

APPENDIX G

DATA USABILITY SUMMARY REPORTS

SUBSURFACE SOIL

Quality Assessment Data Usability Summary Report

RemVēr Project #2020GE39 Client Project #0901816-02-840			
Site:	31 Tonawanda St., Off-site Buffalo, NY	Site #:	C915299A
Client:	NYSDEC via GES, Inc.	Site Owner:	-N/A-
Sample Delivery Groups (SDGs)		See Table #1	
Sample Matrix:	<input checked="" type="checkbox"/> Drinking water	<input checked="" type="checkbox"/> Groundwater	<input checked="" type="checkbox"/> Surface water
	<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Sediment	<input type="checkbox"/> Air
	<input type="checkbox"/> Biota (tissue, type: _____)		<input type="checkbox"/> Other: _____

Introduction

Groundwater & Environmental Services (GES) contracted RemVēr to perform a data quality assessment (DQA) on analytical laboratory data of groundwater samples. Eurofins/Test America (E/TA) reported the data in separate Sample Delivery Groups (SDGs, see Table 1). Table 2 provides a cross-list of the samples associated with each SDG.

A DQA is an evaluation of the performance of analytical procedures and quality of the resulting data. Following the requirements of the New York State Department of Environmental Conservation (NYSDEC) Data Usability Summary Report (DUSR) guidelines for an Analytical Services Protocol (ASP) Category B Data Deliverable, RemVēr prepared a separate DQA/DUSR sub-report for each SDG, evaluating the performance of the analytical procedures and the quality of the resulting data. Each sub-report includes a narrative discussion of qualified sample, a DQA Detail Worksheet, and a Non-Conformance Summary Worksheet describing the final reported qualification flags applied to the data during the DQA. Additionally, one validated EXCEL electronic data deliverable (EDD) is included with this deliverable for each SDG discussed herein.

Intended Use of Data Under Review

NYSDEC contracted GES to perform an off-site monitoring event at the referenced site. The monitoring event's (September 2020) purpose was to collect soil, surface water, and drinking water data regarding two classes of analytes: volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

Significant Data Usability Issues

RemVer rejected no results and the data are acceptable for use. Certain results may have flagged analytes indicating non-detection or quality issues arising from sample handling, laboratory accuracy, or precision issues. Please refer to the individual SDG report and the respective Data Usability Narrative section of the DUSR sub-report for further detail.

Reported Methods

- | | |
|--|---|
| <input type="checkbox"/> Method 1311 TCLP
<input type="checkbox"/> Method 1312 SPLP
<input type="checkbox"/> Method 6010A, B & C / 6020 Trace Metals
<input type="checkbox"/> Method 7000 Metals
<input type="checkbox"/> Method 7196 Hexavalent Chromium (other: _____)
<input type="checkbox"/> Method 7470A or 7471 Mercury
<input type="checkbox"/> Method 8021 Volatile Organic Compounds (VOCs) GC
<input type="checkbox"/> Method 8081B or <input type="checkbox"/> 608 Pesticides
<input type="checkbox"/> Method 8082 or <input type="checkbox"/> 608 PCBs
<input type="checkbox"/> Method 8151 Chlorinated Herbicides
<input checked="" type="checkbox"/> Method 8260C VOCs GC/MS
<input checked="" type="checkbox"/> Method 8270D Semi-VOCs (sVOCs) GC/MS &/or SIM-ID
<input type="checkbox"/> Method 9010/9012/9014 Cyanides (_____) | <input type="checkbox"/> Method TO-13A PAHs (air)
<input type="checkbox"/> Method TO-14A / -15 VOCs (air, summa) (_____) <input type="checkbox"/> Method TO-17 VOCs (air, sorbent)
<input type="checkbox"/> Method 537 PFCs via SPE & LC/MS-MS
<input type="checkbox"/> Volatile Petroleum Hydrocarbons (VPH) Method
<input type="checkbox"/> Extractable Petroleum Hydrocarbons (EPH)
<input checked="" type="checkbox"/> Other Methods:
<input checked="" type="checkbox"/> Method 5030 Purge & Trap
<input checked="" type="checkbox"/> Method 5030A_H Purge & Trap, closed, Hi
<input checked="" type="checkbox"/> Method 5030A_L Purge & Trap, closed, Lo
<input checked="" type="checkbox"/> Method 3550C Ultrasonic Extraction
<input checked="" type="checkbox"/> Method Percent Moisture |
|--|---|

Quality Control Requirements Summary

- | | |
|--|--|
| <input checked="" type="checkbox"/> Duplicate
<input checked="" type="checkbox"/> Matrix Spike [MS] / Matrix Spike Duplicate [MSD]
<input type="checkbox"/> Trip Blanks (as appropriate)
<input type="checkbox"/> Equipment, Method, &/or Rinsate Blank | <input checked="" type="checkbox"/> Other Field QC: Field notes regarding sampling
<input type="checkbox"/> Special QAPP Requirements: _____
_____ |
|--|--|

Table 1. Sample Data Group (SDG) List

SDG 480-#	# Samples	# Blanks	# Dups	Sample Date	Methods		Matrix
					VOCs	SVOCs	
175104	4	—	—	09/14/2020	X	X	Soil & Surface Water
175253	3	—	—	09/15-16/2020	X	X	Soil
175318	1	—	—	09/17/2020	X	—	Drinking Water
175394	3	—	—	09/17/2020	X	X	Soil

Table 2. Sample List

Count	SDG480-#	Sample #	Sample Name	Sample Date	Received
1	175104	#-1	RI-MW-5-R-A	09/14/20 14:00	09/14/20 15:50
2		#-2	RI-MW-5-R-B	09/14/20 14:20	09/14/20 15:50
3		#-3	RI-MW-3	09/14/20 13:00	09/14/20 15:50
4		#-4	31-SW-1	09/14/20 12:05	09/14/20 15:50
5	175253	#-1	1675-MW-1	09/15/20 12:25	09/16/20 17:00
6		#-2	1660-SB-1	09/16/20 13:00	09/16/20 17:00
7		#-3	1660-MW-8	09/16/20 14:45	09/16/20 17:00
8	175318	#-1	DW-1	09/17/20 08:30	09/17/20 16:30
9	175394	#-1	SB-100	09/17/20 09:35	09/17/20 15:15
10		#-2	SB-103	09/17/20 11:15	09/17/20 15:15
11		#-3	SB-106	09/17/20 13:00	09/17/20 15:15

NOTE: EB = Equipment Blank Dup = Duplicate

References

- NYSDEC, 2010, *Technical Guidance for Site Investigation and Remediation*, "DER-10," Division of Environmental Remediation: Albany, NY, May, 232p
- NYSDEC, 2010, *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, Appendix 2B IN *Technical Guidance for Site Investigation and Remediation*, Division of Environmental Remediation: Albany, NY, May, 232p
- USEPA, 2008, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, OSWER 9240.1-48, USEPA-540-R-08-01, Office of Superfund Remediation and Technology Innovation: Washington, DC, June, 225p
- USEPA, 2010, *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, OSWER 9240.1-51, USEPA-540-R-10-011, Office of Superfund Remediation and Technology Innovation: Washington, DC, January, 110p
- USEPA, 2012, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Current Online Revision: <http://www.epa.gov/epawaste/hazard/testmethods/sw846/online/index.htm>, accessed April 2012

Attachments

1. Qualifier Flags
2. Data Usability Reviewer Biography
3. DUSR Sub-Report for SDG #480-175104
4. DUSR Sub-Report for SDG #480-175253
5. DUSR Sub-Report for SDG #480-175318
6. DUSR Sub-Report for SDG #480-175394

NOTE: If Client requests, each DUSR Sub-Report includes validated EDD attached hereto (Excel File Name Format: SDG-#_EquaNysdec-V.xls)



Prepared by: Kurt A. Frantzen, PhD
November 10, 2020

GES PO #1113284-1100

Attachment 1. Qualifier Flags

Qualifier	Quality Implication
0–9	Use with Co-eluting Congeners
A	Tentatively Identified Compound (TIC) suspected to be an aldol condensation product
B EB TB BB RB BH/BL	An analyte identified in method blank (B), aqueous equipment (EB), rinsate (RB), trip (TB), or bottle blanks (BB) used to assess field contamination associated with soil or sediment samples mandates these qualifiers for only soil and sediment sample results. Analyte detected in Blank at level >10X/5-10X that of the Sample
D	Sample analysis from dilution of original sample
E	Analyte concentration exceeds calibration range
HT	Holding time violation
J	Analyte positively identified at a numerical value that is the approximate concentration of the analyte in the sample
J +	Sample likely to have a high bias
J –	Sample likely to have a low bias
UJ	Analyte not detected above the sample quantitation limit; the associated 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
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
R	Sample result rejected due to serious deficiency in ability to analyze sample and meet quality control criteria; the presence or absence of the analyte cannot be confirmed. This qualifier also may apply when more than one sample result is generated for a target analyte (<i>i.e.</i> , dilutions or re-analyses), the most technically acceptable result is considered acceptable.
P	Use professional judgment based on data use. It usually has an “M” with it, which indicates that a manual check should be made if the data that are qualified with the “P” are important to the data user. In addition, “PM” also means a decision is necessary from the Project Manager (or a delegate) concerning the need for further review of the data (<i>see below</i>).
PM	A manual review of the raw data is recommended to determine if the defect affects data use, as in “R” above. This review should include consideration of potential affects that could result from using the “P” qualified data. For example, in the case of holding-time exceedance, the Project Manager or delegate can decide to use the data with no qualification when analytes of interest are known not to be adversely affected by holding-time exceedances. Another example is the case where soil sample duplicate analyses for metals exceed the precision criteria; because this is likely due to sample non-homogeneity rather than contract laboratory error, then the manager or delegate must decide how to use the data.
U	Analyte analyzed for, but not detected above the sample’s reported quantitation limit

Attachment 2. Data Usability Reviewer: Kurt A. Frantzen, PhD

Experience

2013-Present	d/b/a RemVër	Owner
2014-2019	AECC	Senior EHS Consultant
2011-2012	RemVër, Inc.	President
2006-2011	Kleinfelder	Senior Principal Scientist
2005	Kleinfelder	Principal Scientist, Part-Time/On Call
2004-2006	d/b/a Environmental Risk Group	Owner
2004-2006	RemVër, Inc., Larchmont, NY	Founder, President
1999-2004	VHB, Inc.	ERM Director & Associate
1997-1998	GEI Consultants, Inc.	Senior Project Manager
1992-1997	Ecology and Environment, Inc.	Technical Chief
1991-1992	EA Engineering, Science, & Technology, Inc.	Project Manager III
1990-1991	Ecology and Environment, Inc.	Technical Group Manager
1986-1990	Ecology and Environment, Inc.	Senior Environmental Scientist

Education

Am Cancer Soc. Post-Doctoral Fellow, U Washington	1985-1986
PhD—Life Sci. / Biochem, NU—Lincoln	1985
MS—Plant Pathology, Kansas State Univ.	1980
BS—Biology, NU—Omaha	1978

Other

- CERCLA & RCRA experience, as well as DOD (Air Force & Army) & DOE (INEL)
- NE Regional Experience—NY BCP; Mass MCP; & various sites in CT, RI & NH
- National Experience: NE, SE, Gulf & West Coast, Mid-west, Inter-mountain, California, Alaska
- International: Germany, Israel, Kuwait, Australia
- Selected Publications
 - *Using Risk Appraisals to Manage Environmentally Impaired Properties*, 2000, VHB Site Works, Report 108
 - *Risk-Based Analysis for Environmental Managers*, 2001, CRC/Lewis
 - Chapter 7 Risk Assessment, *Managing Hazardous Materials*, 2002 & 2009, IHMM
 - Chapter 22 Cleanup Goals, *Brownfields Law & Practice*, 2004-Present, Lexis/Nexis
 - *Use of Risk Assessment in Risk Management of Contaminated Sites*, 2008, ITRC
- 60 Conference Papers & Invited Professional Presentations
 - 1999-2019, Visiting Lecturer, Brownfields Program, Harvard Graduate School of Design
 - 2010-2013, Invited Lecturer, Pace University Law School
 - 2014-2015, Adjunct Professor, Pace University Law School

Attachment 3. Data Usability Sub-Report for SDG #480-175104

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175104)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175104	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175104	Y	Y	None
	N	N	#-4 collected in unpreserved vial & analyzed beyond hold time limits

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175104	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175104	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175104	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175104	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175104	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 14, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175104 (dated 25-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175104—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/14/2020 @ 15:50 PM (designated as SDG-#480-175104). The temperature of the cooler(s) at receipt were 3.1°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with one exception:

- The surface water sample (#-4) was collected in an unpreserved vial (sample pH 7.0 s.u.) and analyzed using methods for a preserved sample. The analysis was beyond the 7-day hold time limit for an unpreserved sample but within the 14-day limit for a preserved sample. Therefore, RemVēr set a “H” flag for all VOCs in this sample, and these results received flagging as estimates (either UJ or J, as appropriate).

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis, other than Sample #-1 was decanted (removal of soil-water) prior to preparation (ultrasonic extraction). RemVēr set no flag.

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than:

- The surface water sample (#-4) was collected in an unpreserved vial (sample pH was 7.0) and analyzed using methods for a preserved sample. The analysis was beyond the 7-day hold time limit for an unpreserved sample but within the 14-day limit for a preserved sample. Therefore, RemVēr set a “H” flag for all VOCs in this sample, and these results received flagging as estimates (either UJ or J, as appropriate).

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.
- If an analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVēr set a “JE” flag to indicate an estimated detection.
- Method 8260C—If VOC analyte concentrations were below 200 µg/kg the laboratory set a “vs” flag because the result may be biased low due to sample collection not following Method 5035A-L low-level specifications. Therefore, RemVēr set a UJ- or J- flag, as appropriate.
- Method 8260C—Samples #-1 and #-2 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in these samples.
- Method 8270D—Sample #-1 was diluted due to color, appearance, and viscosity. The lab reported elevated limits (RLs). RemVēr set a “D” flag.
- Method 8270D—Sample #-2 was diluted to bring the target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted above. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8270D—Batch 549994 recovery was beyond control limits (in both straight and diluted runs) for 2,4,6-Tribromophenol (surrogate) but impacted only Sample #-1. RemVēr flagged the SVOC results in as UJ or J, as appropriate.

Blank Evaluation

SDG #480-175104 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits) with no exception(s).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175104.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria.

- Method 8270D: Sample #-1 required a dilution due to physical characteristics, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVēr flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

There were no matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175104. QA/QC decisions were based upon the LCS results.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175104

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	All Others	No Comment
#-1	X	—	X	2,4,6-Tribromophenol	Flag UJ or J
	X	—	—	2-Fluorophenol, Nitrobenzene-d5, & Phenol-d5	Flag UJ or J

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	Not Run, See LCS
SVOC (8270)	—	—	—	—	—	Not Run, See LCS

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	—	—	—	None
		—	—	—	None

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved	<input type="checkbox"/> Y	<input type="checkbox"/> N—N/A	Significant QC Variances	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Requested Reporting Limits Achieved	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Preservation Require. Met	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Holding Time Requirements Met	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N			

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175104

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Any	Calibration (E)	>Range, Flag if >RL			Flag JE
	Any VOC	Lab vs-flag due to non-Low-Level Sampling	—	—	Lo	Flag UJ— or J—
#-4	All	Holding & Preservation	Out of compliance			Flag H UJ or H J
#-1 & -2	VOCs	Dilution	—	—	—	Flag D
#-1 & -2	SVOCs	Dilution	—	—	—	Flag D
#-1	SVOC	CCV	<LCL / >UCL	—	—	Flag UJ or J
#-1	SVOC	Surrogate / Dilution	<LCL / >UCL	>	—	Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 4. Data Usability Sub-Report for SDG #480-175253

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175253)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175253	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175253	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175253	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175253	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175253	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175253	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175253	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 15 – September 16, 2016. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175253 (dated 30-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175253—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/16/2020 @ 17:00 PM (designated as SDG-#480-175253). The temperature of the cooler(s) at receipt were 4.7°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis.

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than what is discussed below.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the RL, then then a “UJ” flag was set to indicate a qualified non-detection.
- If an SVOC analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVēr set a “JE” flag to indicate an estimated detection.
- Method 8260C—Samples #-1, -2, and -3 were analyzed using medium level soil analysis and diluted due to the abundance of target analytes. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in the sample.
- Method 8270D—Samples #-2 and #-3 were diluted due to color and appearance and to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs) and forced surrogate recoveries below their calibration range. RemVēr set a “D” flag.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted below. CCVs were acceptable in the SDG for all methods and analytes.

Blank Evaluation

SDG #480-175253 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175253.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria.

- Method 8270D: Samples #-2 and -3 required dilution due to physical characteristics and target analyte abundance, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

The matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175253 were within normal control limits.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175253

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	All	No Comment
SVOC (8270)	—	—	—	All	No Comment
#-2 & #-3	X	X	—	Various Surrogates	Flag UJ or J

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
SVOC (8270)	—	—	—	#-1	—	No Comment
—	—	—	—	—	—	—

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved	<input type="checkbox"/> Y	<input type="checkbox"/> N—N/A	Significant QC Variances	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Requested Reporting Limits Achieved	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Preservation Require. Met	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Holding Time Requirements Met	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175253

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	SVOCs	Calibration (E)	>Range, Flag if >RL			Flag JE
	VOCs	Dilution	—			Flag D
#-2 & -3	SVOCs	Dilution	—			Flag D
#-2 & 3	SVOCs	Surrogates	<LCL	—	—	Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 5. Data Usability Sub-Report for SDG #480-175318

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175318)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175318	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175318	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175318	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175318	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175318	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175318	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175318	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 17, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175318 (dated 29-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175318—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/17/2020 @ 16:30 PM (designated as SDG-#480-175318). The temperature of the cooler(s) at receipt were 3.9°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for VOCs.

Analysis

The laboratory reported no analytical issues associated with the analytical runs.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted above. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8260C—Batch 550761 CCV recovery was above the upper control limit (>UCL) for Cyclohexane in all samples but was not detected. RemVēr flagged the results in all samples as UJ+ or J+, as appropriate.

Blank Evaluation

SDG #480-175318 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175318.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria. Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

The matrix spike/matrix spike duplicate (MS/MSD) runs for all analyses met the QA criteria in SDG 480-175318.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175318

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
—	—	—	—

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
—	—	—	—	—	—

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
—	—	—	—	—	—

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
—	—	—	—	—	—	—

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved ☐ Y ☐ N—N/A Significant QC Variances ☒ Y ☐ N
 Requested Reporting Limits Achieved ☒ Y ☐ N Preservation Require. Met ☒ Y ☐ N
 Holding Time Requirements Met ☒ Y ☐ N

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175318

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Cyclohexane	CCV	>UCL	—	Hi	Flag UJ+ or J+
	—	—	—	—	—	—
—	—	—	—	—	—	—

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 6. Data Usability Sub-Report for SDG #480-175394

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175394)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175394	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175394	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175394	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175394	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175394	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175394	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175394	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 17, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175394 (dated 30-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175394—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received coolers with samples on 9/17/2020 @ 15:15 PM (designated as SDG-#480-175394). The temperature of the cooler(s) at receipt were 3.0 and 3.2°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis, other than Sample #-1 which had a sample volume different from the standard procedure for preparation (ultrasonic extraction). This had an impact to reporting limits (RLs).

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than what is discussed below.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

RemVēr

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.
- If an analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVēr set a “JE” flag to indicate an estimated detection.
- Method 8260C—Samples #-1, #-2, and #-3 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in these samples.
- Method 8260C—Sample #-3 was analyzed using medium level soil analysis and diluted due to the abundance of non-target analytes. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in the sample.
- Method 8270D—Samples #-1, #-2, and #-3 was diluted due to color, appearance, and viscosity. The lab reported elevated limits (RLs). RemVēr set a “D” flag.
- Method 8270D—Samples #-1 and #-2 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs) and also forced surrogate recoveries below their calibration range. RemVēr set a “D” flag for all VOCs in these samples.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted below. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8260C—Batch 550866 CCV recovery was beyond control limits (<LCL or >UCL) for 4-Nitrophenol in all samples but was not detected. RemVēr flagged the results in all samples as UJ, as appropriate.

Blank Evaluation

SDG #480-175394 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits) with the following exception(s):

- Method 8260—analyte Methylene Chloride was detected in the MB (Batch #550876 / 551207) above the RDL and was flagged as a “B J” result in sample’s with detections as a method blank detection. While it appears to only impact Sample #-3, sample non-detections were flagged as “UJ B.”

Laboratory Control Samples (LCS)

The various method LCS’ (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175394 with the following exception(s):

- Method 8260—Batch 551207 spike recover for Methylene Chloride was beyond the upper control limit (>UCL) with high bias due to laboratory contamination. RemVēr set either a UJ+ or J+ flag, as appropriate in all samples.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria, except for:

- Method 8270D: Samples #-1 and -3 required dilution due to physical characteristics, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.
- Method 8270D: Samples #-1 and -2 required dilution due to target analyte abundance impacting RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

There were no matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175394. QA/QC decisions were based upon the LCS results.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175394

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
All Samples	X	Methylene Chloride	Flag BJ or UJ B
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
All	—	—	X	Methylene Chloride	Flag UJ+ / J+
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	X	X	—	Various Surrogates	Flag UJ or J
—	—	—	—	—	—

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
SVOC (8270)	—	—	—	—	—	None

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved	<input type="checkbox"/> Y	<input type="checkbox"/> N—N/A	Significant QC Variances	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Requested Reporting Limits Achieved	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Preservation Require. Met	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Holding Time Requirements Met	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175394

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Any	Calibration (E)	>Range, Flag if >RL			Flag JE
	4-Nitrophenol	CCV	<LCL / >UCL	—	Hi/Lo	Flag UJ or J
	VOC & SVOC	Dilution	—			Flag D
	Methylene Chloride	LCS	>UCL	—	HI	Flag UJ+ or J+
	Methylene Chloride	Blank	—	—	—	Flag BJ or UJ B
	SVOCs	Surrogates	<LCL	—	—	Flag UJ or J
#1	VOVs & SVOCs	Sample Volume	RLs impacted			Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

GROUNDWATER

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Test America
Job No: 480-177831-1
Fraction: Inorganic
Matrix: Aqueous
Report Date: 1/24/2021

This data usability summary report is based upon a review of analytical data generated for groundwater samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample was analyzed for total metals. Sample analyses were performed in accordance with the procedures outlined in the methods referenced at the end of this report.

All sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II "ICP-AES Data Validation", HW-2a, revision 15, December 2012. The quality control requirements specified in the analysis methods and associated acceptance criteria were also used to evaluate the data. The parameters presented on the following page were evaluated.

-
- X • Data Completeness
 - X • Chain of Custody Documentation/ Sample Receipt
 - X • Holding Times
 - X • Initial and Continuing Calibrations
 - X • ICP Interference Check Sample Results
 - X • Laboratory and Field Blank Analysis Results
 - X • Matrix Spike Recoveries and Reproducibility
 - X • Laboratory Duplicate Analysis Results
 - X • ICP Serial Dilution Results
 - X • Field Duplicate Analysis Results
 - X • Laboratory Control Sample Results
 - X • Qualitative Identification
 - X • Reporting Limits
-

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

January 24, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no missing items or issues.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INITIAL AND CONTINUING CALIBRATIONS

All criteria were met. No qualifiers were applied.

5.0 ICP INTERFERENCE CHECK SAMPLE RESULTS

All criteria were met. No qualifiers were applied.

6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS

The following inorganic analytes were detected in the laboratory preparation blanks, and/or calibration blanks. The positive blank results were less than their respective reporting limits (RLs). Positive results for the associated samples were greater than the RL. Qualification was unnecessary.

Blank	Analyte	Concentration (mg/L)	Associated Samples
CCB 480-558741/18	Potassium	0.106 J	MW-1, MW-2, MW-3R
CCB 480-558741/38	Chromium	0.00132 J	MW-5R, DUP-001
	Copper	0.00334 J	

No field or equipment blanks were submitted for this job number. This should be noted when assessing the data.

7.0 ***MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

All criteria were met. No qualifiers were applied.

8.0 ***LABORATORY DUPLICATE RESULTS***

Laboratory duplicate precision was evaluated using the MS/MSD analysis results as discussed above in Section 7.0, Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility.

9.0 ***ICP SERIAL DILUTION RESULTS***

All criteria were met. No qualifiers were applied.

10.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples MW-5R and DUP-001 were submitted to the laboratory evaluate sampling and analytical precision for those analytes determined to be present. Results for these duplicate samples are presented in Table 2.

11.0 ***LABORATORY CONTROL SAMPLE RESULTS***

All criteria were met. No qualifiers were applied.

12.0 ***QUALITATIVE IDENTIFICATION***

All criteria were met. No qualifiers were applied.

13.0 ***REPORTING LIMITS***

As required by USEPA protocol, all analytes, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Metals	Method 6010C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Mercury	Method 7470B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Specific Gravity	Method D1429-87, ASTM

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 Eurofins Environment Test America Job Number 480-177831-1

Analyses Performed									
Sample ID	Lab ID	Collection Dat	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7470A
MW-1	480-177831-1	11/4/2020	Groundwater	X	X	X	X	X	X
MW-2	480-177831-2	11/4/2020	Groundwater	X	X	X	X	X	X
MW-3R	480-177831-3	11/4/2020	Groundwater	X	X	X	X	X	X
MW-5R	480-177831-4	11/4/2020	Groundwater	X	X	X	X	X	X
DUP-001	480-177831-5	11/4/2020	Groundwater	X	X	X	X	X	X

Table 2 Field Duplicate Sample Results for Inorganic Analyses
Groundwater Duplicate Samples MW-5R and DUP-001

Analyte	MW-5R (mg/L)		DUP-001 (mg/L)		RPD	Comments
Aluminum	19.5		20.5		5.0	
Bariumn	0.78		0.78		0.0	
Beryllium	0.00079	J	0.000758	J	4.1	
Calcium	363		365		0.5	
chromium	0.027		0.028		3.6	
Cobalt	0.011		0.011		0.0	
Copper	0.024		0.024		0.0	
Iron	31.9		32.8		2.8	
Lead	0.036		0.038		5.4	
Magnesium	116		118		1.7	
Manganese	1.1		1.2		8.7	
Nickel	0.024		0.025		4.1	
Potassium	12.4		12.9		4.0	
Sodium	745		744		0.1	
Vanadium	0.041		0.044		7	
Zinc	0.094		0.098		4	

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Environmental Testing -Test America
Job No: 480-177831-1
Fraction: Organic
Matrix: Aqueous
Report Date: 1/24/2021

This data usability summary report is based upon a review of analytical data generated for groundwater samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds, semivolatile organic compounds, pesticide compounds, and polychlorinated biphenyls. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

For the volatile and semivolatile fraction determined by Gas Chromatography/Mass Spectrometry, library searches were performed to “tentatively identify” chromatographic peaks whose characteristics did not match those of targeted compounds. Library searches were performed for up to ten volatile and twenty semivolatile extraneous peaks.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II “National Functional Guidelines for Organic Superfund Methods Data Review”, USEPA January 2017. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
X	•	Surrogate Compound Recoveries
X	•	Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
X	•	Field Duplicate Analysis Results
X	•	Laboratory Control Sample Results
X	•	Internal Standard Performance
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

January 24, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed the no missing items or issues.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs \leq 20 percent) was exceeded for the following semivolatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. Results for the compounds are considered quantitative estimates. The nondetect results are marked "UJ".

Calibration Standard	Analyte	%Difference	Associated Samples
CCVIS 480-559515/3 (Laboratory ID W10011042.D)	4-Nitrophenol	28.3	All Samples
	Atrazine	21.3	
	Pentachlorophenol	-23.1	
	Bis(2-Chloroisopropyl)	-21.8	
	ether	-44.4	

The continuing calibration precision criterion (the percent difference between initial and continuing relative response factors (RRF) \leq 20 percent) was exceeded for the following pesticide continuing calibration standard. This indicates a lack of instrument stability for this analyte. Results for the compounds should be considered quantitative estimates. Positive results for these compounds have been marked with “J” qualifiers to indicate that they are quantitative estimates. Nondetect results are marked “UJ”.

Calibration Standard	Analyte	%Difference	Associated Samples
CCV 480-569484/5 (File ID 25_40-267.D) (Column ID RTX CLP-I)	Hepatchlor	24.8	All Samples
	4,4'-DDT	28.5	
	Methoxychlor	35.0	
CCV 480-558484/7 (Column ID RTX CLP-II)	Toxaphene 1	34.6	All Samples
	Toxaphene 2	30.1	

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs \leq 20 percent) was exceeded for the following polychlorinated biphenyls continuing calibration standards. This indicates a lack of instrument stability for these analytes. The results for polychlorinated biphenyls for associated samples are considered quantitative estimates. Positive results for these analytes have been marked with “J” qualifiers to indicate that they are quantitative estimates. Nondetects are marked “UJ”.

Calibration Standard	Analyte		%Difference	Associated Samples
CCV 480-558765/59 (File ID 7_83-043.D)	Aroclor 1016	1	28.4	All Samples
	Aroclor 1016	2	23.9	
	Aroclor 1016	3	26.9	
	Aroclor 1016	4	24.2	
	Aroclor 1016	5	28.4	
	Aroclor 1260	1	25.2	All Samples
	Aroclor 1260	2		
	Aroclor 1260	3	25.1	
	Aroclor 1260	4		
	Aroclor 1260	5	23.1	

LABORATORY AND FIELD BLANK ANALYSIS RESULTS

The following pesticide compounds were detected in associated laboratory method blanks.

Blank	Compound	Concentration (µg/L)	Associated Samples
MB 480-558262/1-	4,4'-DDT	0.0291 J	All Samples
A	Endrin Aldehyde	0.0272 J	
	gamma-BHC	0.00893 J	

The blank results were less than the RL. The following positive results reported for these compounds are also less than the RL and require qualification. The possibility of false positive exists for the samples. USEPA protocol requires positive results for uncommon contaminants, that are less than or equal to the associated blank contamination RL to be considered qualitatively invalid. They have been replaced with the RL and marked "U".

Compound	Qualified Results
4,4'-DDT	MW-1, MW-2, MW-3R MW-5R
gamma-BHC	MW-3R, MW-5R, DUP-001

Field and equipment blanks were not submitted with the samples. This should be noted when assessing the data.

SURROGATE COMPOUNDS

Samples MW-5R and DUP-001 were analyzed for semivolatile organic compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences

and/or extraction/analytical processes. This should be noted when assessing the data.

8.0 *SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

All criteria were met. No qualifiers were applied.

9.0 *FIELD DUPLICATE RESULTS*

Field duplicate samples MW-5R and DUP-001 were submitted to the laboratory evaluate sampling and analytical precision for those compounds determined to be present. Results for these duplicate samples are presented in Table 2.

10.0 *LABORATORY CONTROL SAMPLE RESULTS*

The following table summarizes the semivolatile laboratory control sample (LCS) results that did not meet the indicated acceptance limits:

Compound	LCS (480-558357/2-A) %REC	QC Limits
Atrazine	138	60-127

The high recovery for the above compound suggests inefficiencies with the extraction/analytical processes. All samples were associated with the unacceptable LCS. Positive results for the compounds should be considered biased high quantitative estimates, and may be higher than reported. There were no positive results for the compound for associated samples.

11.0 *INTERNAL STANDARD PERFORMANCE*

All criteria were met. No qualifiers were applied.

13.0 *QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

14.0 *QUANTITATION/REPORTING LIMITS*

For the following samples, a lack of precision (greater than 25 % difference between results) was observed for this analyte on the dual chromatographic columns used for sample analysis. The laboratory for reporting purposes used the higher concentration for these compounds. The results have previously been qualified due to blank results.

Sample	Affected Compound
MW-1	4,4'-DDT
MW-2	4,4'-DDT
MW-3R	4,4'-DDT

The samples presented below were analyzed volatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-1	125
MW-3R	40.0
MW-5R	2000
DUP-001	2000

The samples presented below were analyzed semivolatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for

target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-5R	10.0
DUP-001	20.0

The following samples were analyzed at dilutions for pesticide compounds. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for the samples.

Sample	Dilution Factor
MW-5R	5.0
DUP-001	5.0

The samples presented below were re-analyzed at dilutions for semivolatile organic compounds. The samples were re-analyzed because the responses for compounds exceeded the linear range of the GC/ MS instrument. The results for these compounds have been reported from the dilution analyses. All other results are reported from the initial analyses.

Sample	Dilution Factor	Results Exceeding the Linear Range
MW-5R	200	2-Methylnaphthalene, Naphthaleme
DUP-001	200	2-Methylnaphthalene, Naphthaleme

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

As required by USEPA protocol, all volatile and semivolatiles TICs have been reported with "J" qualifiers to indicate that they are quantitative estimates. EDQ has reported only those TIC results that have not been

determined to be laboratory or field artifacts, and where possible has grouped TIC of similar classification.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Semivolatile Organic Compounds	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Pesticide Compounds	Method 8081B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Polychlorinated Biphenyls	Method 8082A, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 Eurofins Environment Test America Job Number 480-177831-1

Analyses Performed									
Sample ID	Lab ID	Collection Dat	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7470A
MW-1	480-177831-1	11/4/2020	Groundwater	X	X	X	X	X	X
MW-2	480-177831-2	11/4/2020	Groundwater	X	X	X	X	X	X
MW-3R	480-177831-3	11/4/2020	Groundwater	X	X	X	X	X	X
MW-5R	480-177831-4	11/4/2020	Groundwater	X	X	X	X	X	X
DUP-001	480-177831-5	11/4/2020	Groundwater	X	X	X	X	X	X

Table 2 Field Duplicate Sample Results for Organic Analyses
Groundwater Duplicate Samples MW-5R and DUP-001

Compound	MW-5R (µg/L)		DUP-001 (µg/L)		RPD	Comments
1,1,1-Trichloroethane	2800		2900		3.5	
1,1-Dichlororethane	1500	J	1500	J	0.0	
1,1-Dichlororethene	910	J	940	J	3.2	
Benzene	4300		4100		4.8	
cis-1,2-Dichloroethene	160000		160000		0.0	
Ethylbenzene	3100		3000		3.3	
Toluene	2600		2500		3.9	
Trichloroethene	5900		6200		5.0	
Vinyl Chloride	5800		6100		5.0	
Xylene	1600	J	1600	J	0.0	
2-Methylnaphthalene	1500		1700		12.5	
Acenaphthene	67		80	J	17.7	
Acenaphthylene	390		450		14.3	
Acetophenone	6.5	J	ND		NC	
Anthracene	22	J	40	J	58.1	
Biphenyl	110		130		16.7	
Benzo(a) anthracene	ND		12	J	NC	
Benzo(a) pyrene	ND		15	J	NC	
Benzo(b) fluoranthene	ND		8.9	J	NC	
Benzo(g,h,i) perylene	ND		7.3	J	NC	
Carbazole	9.5	J	10	J	5.1	
Chrysene	ND		10	J	NC	
Dibenzofuran	19	J	24	J	23.3	
Flouranthene	9.5	J	27	J	95.9	
Flourene	80		100		22.2	
Naphthalene	8700		8700		0.0	
Phenanthrene	100		180		57.1	
Pyrene	18	J	52	J	97.1	
Aldrin	0.12	J	0.11	J	8.7	
alpha BHC	0.25		0.23	J	8.3	
delta-BHC	0.067	J	0.065	J	3.0	
Endrin Ketone	0.097	J	0.062	J	44.0	
Hepatchlor Epoxide	0.065	J	ND		NC	
Methoxychlor	0.21	J	0.21	J	0.0	
4,4'-DDD	0.11	J	0.11	J	0.0	

NC: Results not calculated due to already considered estimated or one results was not detected (ND).

ND: Not detected.

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-1

Lab Sample ID: 480-177831-1

Date Collected: 11/04/20 09:40

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130	100	ug/L			11/11/20 11:26	125
1,1,2,2-Tetrachloroethane	ND		130	26	ug/L			11/11/20 11:26	125
1,1,2-Trichloroethane	ND		130	29	ug/L			11/11/20 11:26	125
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		130	39	ug/L			11/11/20 11:26	125
1,1-Dichloroethane	120	J	130	48	ug/L			11/11/20 11:26	125
1,1-Dichloroethene	ND		130	36	ug/L			11/11/20 11:26	125
1,2,4-Trichlorobenzene	ND		130	51	ug/L			11/11/20 11:26	125
1,2-Dibromo-3-Chloropropane	ND		130	49	ug/L			11/11/20 11:26	125
1,2-Dichlorobenzene	ND		130	99	ug/L			11/11/20 11:26	125
1,2-Dichloroethane	ND		130	26	ug/L			11/11/20 11:26	125
1,2-Dichloropropane	ND		130	90	ug/L			11/11/20 11:26	125
1,3-Dichlorobenzene	ND		130	98	ug/L			11/11/20 11:26	125
1,4-Dichlorobenzene	ND		130	110	ug/L			11/11/20 11:26	125
2-Butanone (MEK)	ND		1300	170	ug/L			11/11/20 11:26	125
2-Hexanone	ND		630	160	ug/L			11/11/20 11:26	125
4-Methyl-2-pentanone (MIBK)	ND		630	260	ug/L			11/11/20 11:26	125
Acetone	ND		1300	380	ug/L			11/11/20 11:26	125
Benzene	890		130	51	ug/L			11/11/20 11:26	125
Bromodichloromethane	ND		130	49	ug/L			11/11/20 11:26	125
Bromoform	ND		130	33	ug/L			11/11/20 11:26	125
Bromomethane	ND		130	86	ug/L			11/11/20 11:26	125
Carbon disulfide	ND		130	24	ug/L			11/11/20 11:26	125
Carbon tetrachloride	ND		130	34	ug/L			11/11/20 11:26	125
Chlorobenzene	ND		130	94	ug/L			11/11/20 11:26	125
Dibromochloromethane	ND		130	40	ug/L			11/11/20 11:26	125
Chloroethane	ND		130	40	ug/L			11/11/20 11:26	125
Chloroform	ND		130	43	ug/L			11/11/20 11:26	125
Chloromethane	ND		130	44	ug/L			11/11/20 11:26	125
cis-1,2-Dichloroethene	2200		130	100	ug/L			11/11/20 11:26	125
cis-1,3-Dichloropropene	ND		130	45	ug/L			11/11/20 11:26	125
Cyclohexane	ND		130	23	ug/L			11/11/20 11:26	125
Dichlorodifluoromethane	ND		130	85	ug/L			11/11/20 11:26	125
Ethylbenzene	ND		130	93	ug/L			11/11/20 11:26	125
1,2-Dibromoethane	ND		130	91	ug/L			11/11/20 11:26	125
Isopropylbenzene	ND		130	99	ug/L			11/11/20 11:26	125
Methyl acetate	ND		310	160	ug/L			11/11/20 11:26	125
Methyl tert-butyl ether	ND		130	20	ug/L			11/11/20 11:26	125
Methylcyclohexane	ND		130	20	ug/L			11/11/20 11:26	125
Methylene Chloride	ND		130	55	ug/L			11/11/20 11:26	125
Styrene	ND		130	91	ug/L			11/11/20 11:26	125
Tetrachloroethene	ND		130	45	ug/L			11/11/20 11:26	125
Toluene	ND		130	64	ug/L			11/11/20 11:26	125
trans-1,2-Dichloroethene	ND		130	110	ug/L			11/11/20 11:26	125
trans-1,3-Dichloropropene	ND		130	46	ug/L			11/11/20 11:26	125
Trichloroethene	ND		130	58	ug/L			11/11/20 11:26	125
Trichlorofluoromethane	ND		130	110	ug/L			11/11/20 11:26	125
Vinyl chloride	4200		130	110	ug/L			11/11/20 11:26	125
Xylenes, Total	ND		250	83	ug/L			11/11/20 11:26	125

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Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-1

Lab Sample ID: 480-177831-1

Date Collected: 11/04/20 09:40

Matrix: Water

Date Received: 11/05/20 12:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 120		11/11/20 11:26	125
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		11/11/20 11:26	125
4-Bromofluorobenzene (Surr)	104		73 - 120		11/11/20 11:26	125
Dibromofluoromethane (Surr)	113		75 - 123		11/11/20 11:26	125

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		11/10/20 15:08	11/18/20 10:12	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/10/20 15:08	11/18/20 10:12	004
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/10/20 15:08	11/18/20 10:12	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/10/20 15:08	11/18/20 10:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 10:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/10/20 15:08	11/18/20 10:12	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/10/20 15:08	11/18/20 10:12	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 10:12	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/10/20 15:08	11/18/20 10:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/10/20 15:08	11/18/20 10:12	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/10/20 15:08	11/18/20 10:12	1
2-Nitroaniline	ND		10	0.42	ug/L		11/10/20 15:08	11/18/20 10:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/10/20 15:08	11/18/20 10:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:12	1
3-Nitroaniline	ND		10	0.48	ug/L		11/10/20 15:08	11/18/20 10:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/10/20 15:08	11/18/20 10:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 10:12	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 10:12	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 10:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 10:12	1
4-Methylphenol	5.5	J	10	0.36	ug/L		11/10/20 15:08	11/18/20 10:12	1
4-Nitroaniline	ND		10	0.25	ug/L		11/10/20 15:08	11/18/20 10:12	1
4-Nitrophenol	ND		10	1.5	ug/L		11/10/20 15:08	11/18/20 10:12	004
Acenaphthene	ND		5.0	0.41	ug/L		11/10/20 15:08	11/18/20 10:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/10/20 15:08	11/18/20 10:12	1
Acetophenone	ND		5.0	0.54	ug/L		11/10/20 15:08	11/18/20 10:12	1
Anthracene	ND		5.0	0.28	ug/L		11/10/20 15:08	11/18/20 10:12	1
Atrazine	ND		5.0	0.46	ug/L		11/10/20 15:08	11/18/20 10:12	004
Benzaldehyde	ND		5.0	0.27	ug/L		11/10/20 15:08	11/18/20 10:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 10:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 10:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/10/20 15:08	11/18/20 10:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 10:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/10/20 15:08	11/18/20 10:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 10:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:12	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/10/20 15:08	11/18/20 10:12	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/10/20 15:08	11/18/20 10:12	1
Caprolactam	ND		5.0	2.2	ug/L		11/10/20 15:08	11/18/20 10:12	1
Carbazole	ND		5.0	0.30	ug/L		11/10/20 15:08	11/18/20 10:12	1
Chrysene	ND		5.0	0.33	ug/L		11/10/20 15:08	11/18/20 10:12	1

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Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-1

Lab Sample ID: 480-177831-1

Date Collected: 11/04/20 09:40

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/10/20 15:08	11/18/20 10:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/10/20 15:08	11/18/20 10:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 10:12	1
Dibenzofuran	ND		10	0.51	ug/L		11/10/20 15:08	11/18/20 10:12	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/10/20 15:08	11/18/20 10:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 10:12	1
Fluoranthene	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:12	1
Fluorene	ND		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 10:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 10:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/10/20 15:08	11/18/20 10:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 10:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 10:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 10:12	1
Isophorone	ND		5.0	0.43	ug/L		11/10/20 15:08	11/18/20 10:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/10/20 15:08	11/18/20 10:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 10:12	1
Naphthalene	ND		5.0	0.76	ug/L		11/10/20 15:08	11/18/20 10:12	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/10/20 15:08	11/18/20 10:12	1
Pentachlorophenol	ND		10	2.2	ug/L		11/10/20 15:08	11/18/20 10:12	1
Phenanthrene	ND		5.0	0.44	ug/L		11/10/20 15:08	11/18/20 10:12	1
Phenol	7.7		5.0	0.39	ug/L		11/10/20 15:08	11/18/20 10:12	1
Pyrene	ND		5.0	0.34	ug/L		11/10/20 15:08	11/18/20 10:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	84		46 - 120	11/10/20 15:08	11/18/20 10:12	1
Phenol-d5 (Surr)	40		22 - 120	11/10/20 15:08	11/18/20 10:12	1
p-Terphenyl-d14 (Surr)	73		60 - 148	11/10/20 15:08	11/18/20 10:12	1
2,4,6-Tribromophenol (Surr)	100		41 - 120	11/10/20 15:08	11/18/20 10:12	1
2-Fluorobiphenyl (Surr)	95		48 - 120	11/10/20 15:08	11/18/20 10:12	1
2-Fluorophenol (Surr)	61		35 - 120	11/10/20 15:08	11/18/20 10:12	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		11/10/20 08:39	11/11/20 12:45	1
4,4'-DDE	ND		0.050	0.012	ug/L		11/10/20 08:39	11/11/20 12:45	1
4,4'-DDT	0.050		0.050	0.011	ug/L		11/10/20 08:39	11/11/20 12:45	1
Aldrin	ND		0.050	0.0081	ug/L		11/10/20 08:39	11/11/20 12:45	1
alpha-BHC	ND		0.050	0.0077	ug/L		11/10/20 08:39	11/11/20 12:45	1
cis-Chlordane	ND		0.050	0.015	ug/L		11/10/20 08:39	11/11/20 12:45	1
beta-BHC	ND		0.050	0.025	ug/L		11/10/20 08:39	11/11/20 12:45	1
delta-BHC	0.013	J	0.050	0.010	ug/L		11/10/20 08:39	11/11/20 12:45	1
Dieldrin	ND		0.050	0.0098	ug/L		11/10/20 08:39	11/11/20 12:45	1
Endosulfan I	ND		0.050	0.011	ug/L		11/10/20 08:39	11/11/20 12:45	1
Endosulfan II	ND		0.050	0.012	ug/L		11/10/20 08:39	11/11/20 12:45	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		11/10/20 08:39	11/11/20 12:45	1
Endrin	ND		0.050	0.014	ug/L		11/10/20 08:39	11/11/20 12:45	1
Endrin aldehyde	ND		0.050	0.016	ug/L		11/10/20 08:39	11/11/20 12:45	1
Endrin ketone	ND		0.050	0.012	ug/L		11/10/20 08:39	11/11/20 12:45	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		11/10/20 08:39	11/11/20 12:45	1
trans-Chlordane	ND		0.050	0.011	ug/L		11/10/20 08:39	11/11/20 12:45	1

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12/03/2020
SHK/gld/09

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-1

Lab Sample ID: 480-177831-1

Date Collected: 11/04/20 09:40

Matrix: Water

Date Received: 11/05/20 12:20

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	0.011	J	0.050	0.0085	ug/L		11/10/20 08:39	11/11/20 12:45	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		11/10/20 08:39	11/11/20 12:45	1
Methoxychlor	ND <i>CCU</i>		0.050	0.014	ug/L		11/10/20 08:39	11/11/20 12:45	<i>CCU</i>
Toxaphene	ND <i>UL</i>		0.50	0.12	ug/L		11/10/20 08:39	11/11/20 12:45	<i>CCU</i>
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		20 - 120				11/10/20 08:39	11/11/20 12:45	1
DCB Decachlorobiphenyl	58		20 - 120				11/10/20 08:39	11/11/20 12:45	1
Tetrachloro-m-xylene	142	X	44 - 120				11/10/20 08:39	11/11/20 12:45	1
Tetrachloro-m-xylene	73		44 - 120				11/10/20 08:39	11/11/20 12:45	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND <i>W</i>		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 05:37	<i>CCU</i>
PCB-1221	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 05:37	1
PCB-1232	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 05:37	1
PCB-1242	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 05:37	1
PCB-1248	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 05:37	1
PCB-1254	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 05:37	1
PCB-1260	ND <i>W</i>		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 05:37	<i>CCU</i>
PCB-1262	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 05:37	1
PCB-1268	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	115		39 - 121				11/11/20 09:34	11/13/20 05:37	1
Tetrachloro-m-xylene (Surr)	111		39 - 121				11/11/20 09:34	11/13/20 05:37	1
DCB Decachlorobiphenyl (Surr)	112		19 - 120				11/11/20 09:34	11/13/20 05:37	1
DCB Decachlorobiphenyl (Surr)	116		19 - 120				11/11/20 09:34	11/13/20 05:37	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.3		0.20	0.060	mg/L		11/11/20 08:45	11/11/20 22:33	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 08:45	11/11/20 22:33	1
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 08:45	11/11/20 22:33	1
Barium	0.20	<i>1</i>	0.0020	0.00070	mg/L		11/11/20 08:45	11/11/20 22:33	1
Beryllium	ND		0.0020	0.00030	mg/L		11/11/20 08:45	11/11/20 22:33	1
Cadmium	ND		0.0020	0.00050	mg/L		11/11/20 08:45	11/11/20 22:33	1
Calcium	393		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 22:33	1
Chromium	0.0018	J	0.0040	0.0010	mg/L		11/11/20 08:45	11/11/20 22:33	1
Cobalt	0.00076	J	0.0040	0.00063	mg/L		11/11/20 08:45	11/11/20 22:33	1
Copper	ND		0.010	0.0016	mg/L		11/11/20 08:45	11/11/20 22:33	1
Iron	18.0		0.050	0.019	mg/L		11/11/20 08:45	11/11/20 22:33	1
Lead	0.0074	J	0.010	0.0030	mg/L		11/11/20 08:45	11/11/20 22:33	1
Magnesium	185		0.20	0.043	mg/L		11/11/20 08:45	11/11/20 22:33	1
Manganese	0.78		0.0030	0.00040	mg/L		11/11/20 08:45	11/11/20 22:33	1
Nickel	ND		0.010	0.0013	mg/L		11/11/20 08:45	11/11/20 22:33	1
Potassium	4.3		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 22:33	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 08:45	11/11/20 22:33	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 08:45	11/11/20 22:33	1
Sodium	389		1.0	0.32	mg/L		11/11/20 08:45	11/11/20 22:33	1

ML 11/24/2021
Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-1

Date Collected: 11/04/20 09:40

Date Received: 11/05/20 12:20

Lab Sample ID: 480-177831-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.020	0.010	mg/L		11/11/20 08:45	11/11/20 22:33	1
Vanadium	0.0016	J	0.0050	0.0015	mg/L		11/11/20 08:45	11/11/20 22:33	1
Zinc	0.0049	J	0.010	0.0015	mg/L		11/11/20 08:45	11/11/20 22:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/20 13:55	11/10/20 17:34	1

Client Sample ID: MW-2

Date Collected: 11/04/20 10:55

Date Received: 11/05/20 12:20

Lab Sample ID: 480-177831-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	9.6		1.0	0.82	ug/L			11/11/20 11:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/20 11:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/11/20 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/11/20 11:50	1
1,1-Dichloroethane	7.6		1.0	0.38	ug/L			11/11/20 11:50	1
1,1-Dichloroethene	1.9		1.0	0.29	ug/L			11/11/20 11:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/11/20 11:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/11/20 11:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/11/20 11:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/11/20 11:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/11/20 11:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/11/20 11:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/11/20 11:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/11/20 11:50	1
2-Hexanone	ND		5.0	1.2	ug/L			11/11/20 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/11/20 11:50	1
Acetone	ND		10	3.0	ug/L			11/11/20 11:50	1
Benzene	ND		1.0	0.41	ug/L			11/11/20 11:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/11/20 11:50	1
Bromoform	ND		1.0	0.26	ug/L			11/11/20 11:50	1
Bromomethane	ND		1.0	0.69	ug/L			11/11/20 11:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/11/20 11:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/11/20 11:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/11/20 11:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/11/20 11:50	1
Chloroethane	ND		1.0	0.32	ug/L			11/11/20 11:50	1
Chloroform	ND		1.0	0.34	ug/L			11/11/20 11:50	1
Chloromethane	ND		1.0	0.35	ug/L			11/11/20 11:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/11/20 11:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/11/20 11:50	1
Cyclohexane	ND		1.0	0.18	ug/L			11/11/20 11:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/11/20 11:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/11/20 11:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/11/20 11:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/11/20 11:50	1
Methyl acetate	ND		2.5	1.3	ug/L			11/11/20 11:50	1

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12/03/2020
11/24/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-2

Lab Sample ID: 480-177831-2

Date Collected: 11/04/20 10:55

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.48	J	1.0	0.16	ug/L			11/11/20 11:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/11/20 11:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/11/20 11:50	1
Styrene	ND		1.0	0.73	ug/L			11/11/20 11:50	1
Tetrachloroethene	0.42	J	1.0	0.36	ug/L			11/11/20 11:50	1
Toluene	ND		1.0	0.51	ug/L			11/11/20 11:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/11/20 11:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/11/20 11:50	1
Trichloroethene	0.68	J	1.0	0.46	ug/L			11/11/20 11:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/11/20 11:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/11/20 11:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/11/20 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 120		11/11/20 11:50	1
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		11/11/20 11:50	1
4-Bromofluorobenzene (Surr)	105		73 - 120		11/11/20 11:50	1
Dibromofluoromethane (Surr)	113		75 - 123		11/11/20 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		11/10/20 15:08	11/18/20 10:40	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/10/20 15:08	11/18/20 10:40	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/10/20 15:08	11/18/20 10:40	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/10/20 15:08	11/18/20 10:40	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 10:40	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/10/20 15:08	11/18/20 10:40	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/10/20 15:08	11/18/20 10:40	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 10:40	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:40	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/10/20 15:08	11/18/20 10:40	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/10/20 15:08	11/18/20 10:40	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:40	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/10/20 15:08	11/18/20 10:40	1
2-Nitroaniline	ND		10	0.42	ug/L		11/10/20 15:08	11/18/20 10:40	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/10/20 15:08	11/18/20 10:40	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:40	1
3-Nitroaniline	ND		10	0.48	ug/L		11/10/20 15:08	11/18/20 10:40	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/10/20 15:08	11/18/20 10:40	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 10:40	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 10:40	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 10:40	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 10:40	1
4-Methylphenol	ND		10	0.36	ug/L		11/10/20 15:08	11/18/20 10:40	1
4-Nitroaniline	ND		10	0.25	ug/L		11/10/20 15:08	11/18/20 10:40	1
4-Nitrophenol	ND		10	1.5	ug/L		11/10/20 15:08	11/18/20 10:40	1
Acenaphthene	ND		5.0	0.41	ug/L		11/10/20 15:08	11/18/20 10:40	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/10/20 15:08	11/18/20 10:40	1
Acetophenone	ND		5.0	0.54	ug/L		11/10/20 15:08	11/18/20 10:40	1
Anthracene	ND		5.0	0.28	ug/L		11/10/20 15:08	11/18/20 10:40	1

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Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-2

Lab Sample ID: 480-177831-2

Date Collected: 11/04/20 10:55

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND	*LJ	5.0	0.46	ug/L		11/10/20 15:08	11/18/20 10:40	CC4
Benzaldehyde	ND		5.0	0.27	ug/L		11/10/20 15:08	11/18/20 10:40	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 10:40	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 10:40	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/10/20 15:08	11/18/20 10:40	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 10:40	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/10/20 15:08	11/18/20 10:40	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 10:40	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:40	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/10/20 15:08	11/18/20 10:40	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/10/20 15:08	11/18/20 10:40	1
Caprolactam	ND		5.0	2.2	ug/L		11/10/20 15:08	11/18/20 10:40	1
Carbazole	ND		5.0	0.30	ug/L		11/10/20 15:08	11/18/20 10:40	1
Chrysene	ND		5.0	0.33	ug/L		11/10/20 15:08	11/18/20 10:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/10/20 15:08	11/18/20 10:40	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/10/20 15:08	11/18/20 10:40	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 10:40	1
Dibenzofuran	ND		10	0.51	ug/L		11/10/20 15:08	11/18/20 10:40	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/10/20 15:08	11/18/20 10:40	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 10:40	1
Fluoranthene	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 10:40	1
Fluorene	ND		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 10:40	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 10:40	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/10/20 15:08	11/18/20 10:40	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 10:40	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 10:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 10:40	1
Isophorone	ND		5.0	0.43	ug/L		11/10/20 15:08	11/18/20 10:40	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/10/20 15:08	11/18/20 10:40	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 10:40	1
Naphthalene	1.8	J	5.0	0.76	ug/L		11/10/20 15:08	11/18/20 10:40	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/10/20 15:08	11/18/20 10:40	1
Pentachlorophenol	ND		10	2.2	ug/L		11/10/20 15:08	11/18/20 10:40	ack
Phenanthrene	ND		5.0	0.44	ug/L		11/10/20 15:08	11/18/20 10:40	1
Phenol	ND		5.0	0.39	ug/L		11/10/20 15:08	11/18/20 10:40	1
Pyrene	ND		5.0	0.34	ug/L		11/10/20 15:08	11/18/20 10:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86		46 - 120	11/10/20 15:08	11/18/20 10:40	1
Phenol-d5 (Surr)	45		22 - 120	11/10/20 15:08	11/18/20 10:40	1
p-Terphenyl-d14 (Surr)	88		60 - 148	11/10/20 15:08	11/18/20 10:40	1
2,4,6-Tribromophenol (Surr)	98		41 - 120	11/10/20 15:08	11/18/20 10:40	1
2-Fluorobiphenyl (Surr)	99		48 - 120	11/10/20 15:08	11/18/20 10:40	1
2-Fluorophenol (Surr)	66		35 - 120	11/10/20 15:08	11/18/20 10:40	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.052	0.0096	ug/L		11/10/20 08:39	11/11/20 13:05	1
4,4'-DDE	ND		0.052	0.012	ug/L		11/10/20 08:39	11/11/20 13:05	1
4,4'-DDT	0.052	0.029 JBU	0.052	0.011	ug/L		11/10/20 08:39	11/11/20 13:05	MBL

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12/03/2020
shl 1/24/20

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-2

Lab Sample ID: 480-177831-2

Date Collected: 11/04/20 10:55

Matrix: Water

Date Received: 11/05/20 12:20

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.052	0.0084	ug/L		11/10/20 08:39	11/11/20 13:05	1
alpha-BHC	ND		0.052	0.0080	ug/L		11/10/20 08:39	11/11/20 13:05	1
cis-Chlordane	ND		0.052	0.015	ug/L		11/10/20 08:39	11/11/20 13:05	1
beta-BHC	ND		0.052	0.026	ug/L		11/10/20 08:39	11/11/20 13:05	1
delta-BHC	0.013	J	0.052	0.010	ug/L		11/10/20 08:39	11/11/20 13:05	1
Dieldrin	ND		0.052	0.010	ug/L		11/10/20 08:39	11/11/20 13:05	1
Endosulfan I	ND		0.052	0.011	ug/L		11/10/20 08:39	11/11/20 13:05	1
Endosulfan II	ND		0.052	0.013	ug/L		11/10/20 08:39	11/11/20 13:05	1
Endosulfan sulfate	ND		0.052	0.016	ug/L		11/10/20 08:39	11/11/20 13:05	1
Endrin	ND		0.052	0.014	ug/L		11/10/20 08:39	11/11/20 13:05	1
Endrin aldehyde	ND		0.052	0.017	ug/L		11/10/20 08:39	11/11/20 13:05	1
Endrin ketone	ND		0.052	0.013	ug/L		11/10/20 08:39	11/11/20 13:05	1
gamma-BHC (Lindane)	ND		0.052	0.0083	ug/L		11/10/20 08:39	11/11/20 13:05	1
trans-Chlordane	ND		0.052	0.011	ug/L		11/10/20 08:39	11/11/20 13:05	1
Heptachlor	ND		0.052	0.0089	ug/L		11/10/20 08:39	11/11/20 13:05	1
Heptachlor epoxide	ND		0.052	0.0077	ug/L		11/10/20 08:39	11/11/20 13:05	1
Methoxychlor	ND		0.052	0.015	ug/L		11/10/20 08:39	11/11/20 13:05	1
Toxaphene	ND		0.52	0.13	ug/L		11/10/20 08:39	11/11/20 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		20 - 120				11/10/20 08:39	11/11/20 13:05	1
DCB Decachlorobiphenyl	56		20 - 120				11/10/20 08:39	11/11/20 13:05	1
Tetrachloro-m-xylene	108		44 - 120				11/10/20 08:39	11/11/20 13:05	1
Tetrachloro-m-xylene	75		44 - 120				11/10/20 08:39	11/11/20 13:05	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 05:53	1
PCB-1221	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 05:53	1
PCB-1232	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 05:53	1
PCB-1242	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 05:53	1
PCB-1248	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 05:53	1
PCB-1254	ND		0.52	0.26	ug/L		11/11/20 09:34	11/13/20 05:53	1
PCB-1260	ND		0.52	0.26	ug/L		11/11/20 09:34	11/13/20 05:53	1
PCB-1262	ND		0.52	0.26	ug/L		11/11/20 09:34	11/13/20 05:53	1
PCB-1268	ND		0.52	0.26	ug/L		11/11/20 09:34	11/13/20 05:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	113		39 - 121				11/11/20 09:34	11/13/20 05:53	1
Tetrachloro-m-xylene (Surr)	109		39 - 121				11/11/20 09:34	11/13/20 05:53	1
DCB Decachlorobiphenyl (Surr)	114		19 - 120				11/11/20 09:34	11/13/20 05:53	1
DCB Decachlorobiphenyl (Surr)	117		19 - 120				11/11/20 09:34	11/13/20 05:53	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/11/20 08:45	11/11/20 22:36	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 08:45	11/11/20 22:36	1
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 08:45	11/11/20 22:36	1
Barium	0.068		0.0020	0.00070	mg/L		11/11/20 08:45	11/11/20 22:36	1
Beryllium	ND		0.0020	0.00030	mg/L		11/11/20 08:45	11/11/20 22:36	1

SML 12/2/20
Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-2

Lab Sample ID: 480-177831-2

Date Collected: 11/04/20 10:55

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		11/11/20 08:45	11/11/20 22:36	1
Calcium	136		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 22:36	1
Chromium	0.0062		0.0040	0.0010	mg/L		11/11/20 08:45	11/11/20 22:36	1
Cobalt	0.0014	J	0.0040	0.00063	mg/L		11/11/20 08:45	11/11/20 22:36	1
Copper	0.0070	J	0.010	0.0016	mg/L		11/11/20 08:45	11/11/20 22:36	1
Iron	0.87		0.050	0.019	mg/L		11/11/20 08:45	11/11/20 22:36	1
Lead	0.0043	J	0.010	0.0030	mg/L		11/11/20 08:45	11/11/20 22:36	1
Magnesium	33.1		0.20	0.043	mg/L		11/11/20 08:45	11/11/20 22:36	1
Manganese	0.59		0.0030	0.00040	mg/L		11/11/20 08:45	11/11/20 22:36	1
Nickel	0.0064	J	0.010	0.0013	mg/L		11/11/20 08:45	11/11/20 22:36	1
Potassium	8.3		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 22:36	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 08:45	11/11/20 22:36	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 08:45	11/11/20 22:36	1
Sodium	50.6		1.0	0.32	mg/L		11/11/20 08:45	11/11/20 22:36	1
Thallium	ND		0.020	0.010	mg/L		11/11/20 08:45	11/11/20 22:36	1
Vanadium	ND		0.0050	0.0015	mg/L		11/11/20 08:45	11/11/20 22:36	1
Zinc	0.0049	J	0.010	0.0015	mg/L		11/11/20 08:45	11/11/20 22:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/20 13:55	11/10/20 17:35	1

Client Sample ID: MW-3R

Lab Sample ID: 480-177831-3

Date Collected: 11/04/20 12:25

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			11/11/20 12:14	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			11/11/20 12:14	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			11/11/20 12:14	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			11/11/20 12:14	40
1,1-Dichloroethane	ND		40	15	ug/L			11/11/20 12:14	40
1,1-Dichloroethene	ND		40	12	ug/L			11/11/20 12:14	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			11/11/20 12:14	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			11/11/20 12:14	40
1,2-Dichlorobenzene	ND		40	32	ug/L			11/11/20 12:14	40
1,2-Dichloroethane	ND		40	8.4	ug/L			11/11/20 12:14	40
1,2-Dichloropropane	ND		40	29	ug/L			11/11/20 12:14	40
1,3-Dichlorobenzene	ND		40	31	ug/L			11/11/20 12:14	40
1,4-Dichlorobenzene	ND		40	34	ug/L			11/11/20 12:14	40
2-Butanone (MEK)	ND		400	53	ug/L			11/11/20 12:14	40
2-Hexanone	ND		200	50	ug/L			11/11/20 12:14	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			11/11/20 12:14	40
Acetone	ND		400	120	ug/L			11/11/20 12:14	40
Benzene	180		40	16	ug/L			11/11/20 12:14	40
Bromodichloromethane	ND		40	16	ug/L			11/11/20 12:14	40
Bromoform	ND		40	10	ug/L			11/11/20 12:14	40
Bromomethane	ND		40	28	ug/L			11/11/20 12:14	40
Carbon disulfide	ND		40	7.6	ug/L			11/11/20 12:14	40

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Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-3R

Lab Sample ID: 480-177831-3

Date Collected: 11/04/20 12:25

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		40	11	ug/L			11/11/20 12:14	40
Chlorobenzene	ND		40	30	ug/L			11/11/20 12:14	40
Dibromochloromethane	ND		40	13	ug/L			11/11/20 12:14	40
Chloroethane	ND		40	13	ug/L			11/11/20 12:14	40
Chloroform	ND		40	14	ug/L			11/11/20 12:14	40
Chloromethane	ND		40	14	ug/L			11/11/20 12:14	40
cis-1,2-Dichloroethene	1600		40	32	ug/L			11/11/20 12:14	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			11/11/20 12:14	40
Cyclohexane	ND		40	7.2	ug/L			11/11/20 12:14	40
Dichlorodifluoromethane	ND		40	27	ug/L			11/11/20 12:14	40
Ethylbenzene	ND		40	30	ug/L			11/11/20 12:14	40
1,2-Dibromoethane	ND		40	29	ug/L			11/11/20 12:14	40
Isopropylbenzene	ND		40	32	ug/L			11/11/20 12:14	40
Methyl acetate	ND		100	52	ug/L			11/11/20 12:14	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			11/11/20 12:14	40
Methylcyclohexane	ND		40	6.4	ug/L			11/11/20 12:14	40
Methylene Chloride	ND		40	18	ug/L			11/11/20 12:14	40
Styrene	ND		40	29	ug/L			11/11/20 12:14	40
Tetrachloroethene	ND		40	14	ug/L			11/11/20 12:14	40
Toluene	ND		40	20	ug/L			11/11/20 12:14	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			11/11/20 12:14	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			11/11/20 12:14	40
Trichloroethene	ND		40	18	ug/L			11/11/20 12:14	40
Trichlorofluoromethane	ND		40	35	ug/L			11/11/20 12:14	40
Vinyl chloride	1300		40	36	ug/L			11/11/20 12:14	40
Xylenes, Total	ND		80	26	ug/L			11/11/20 12:14	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120		11/11/20 12:14	40
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		11/11/20 12:14	40
4-Bromofluorobenzene (Surr)	106		73 - 120		11/11/20 12:14	40
Dibromofluoromethane (Surr)	112		75 - 123		11/11/20 12:14	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		11/10/20 15:08	11/18/20 09:44	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/10/20 15:08	11/18/20 09:44	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/10/20 15:08	11/18/20 09:44	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/10/20 15:08	11/18/20 09:44	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 09:44	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/10/20 15:08	11/18/20 09:44	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/10/20 15:08	11/18/20 09:44	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 09:44	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 09:44	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/10/20 15:08	11/18/20 09:44	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/10/20 15:08	11/18/20 09:44	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 09:44	1
2-Methylnaphthalene	0.84	J	5.0	0.60	ug/L		11/10/20 15:08	11/18/20 09:44	1
2-Nitroaniline	ND		10	0.42	ug/L		11/10/20 15:08	11/18/20 09:44	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/10/20 15:08	11/18/20 09:44	1

Eurofins TestAmerica, Buffalo

12/03/2020
SMK 1/24/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-3R

Lab Sample ID: 480-177831-3

Date Collected: 11/04/20 12:25

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 09:44	1
3-Nitroaniline	ND		10	0.48	ug/L		11/10/20 15:08	11/18/20 09:44	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/10/20 15:08	11/18/20 09:44	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 09:44	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/10/20 15:08	11/18/20 09:44	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 09:44	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 09:44	1
4-Methylphenol	ND		10	0.36	ug/L		11/10/20 15:08	11/18/20 09:44	1
4-Nitroaniline	ND		10	0.25	ug/L		11/10/20 15:08	11/18/20 09:44	1
4-Nitrophenol	ND <i>LT</i>		10	1.5	ug/L		11/10/20 15:08	11/18/20 09:44	<i>CC</i>
Acenaphthene	ND		5.0	0.41	ug/L		11/10/20 15:08	11/18/20 09:44	1
Acenaphthylene	0.81 J		5.0	0.38	ug/L		11/10/20 15:08	11/18/20 09:44	1
Acetophenone	ND		5.0	0.54	ug/L		11/10/20 15:08	11/18/20 09:44	1
Anthracene	ND		5.0	0.28	ug/L		11/10/20 15:08	11/18/20 09:44	1
Atrazine	ND <i>LT</i>		5.0	0.46	ug/L		11/10/20 15:08	11/18/20 09:44	<i>CC</i>
Benzaldehyde	ND		5.0	0.27	ug/L		11/10/20 15:08	11/18/20 09:44	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 09:44	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 09:44	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/10/20 15:08	11/18/20 09:44	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 09:44	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/10/20 15:08	11/18/20 09:44	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/10/20 15:08	11/18/20 09:44	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 09:44	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/10/20 15:08	11/18/20 09:44	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/10/20 15:08	11/18/20 09:44	1
Caprolactam	ND		5.0	2.2	ug/L		11/10/20 15:08	11/18/20 09:44	1
Carbazole	ND		5.0	0.30	ug/L		11/10/20 15:08	11/18/20 09:44	1
Chrysene	ND		5.0	0.33	ug/L		11/10/20 15:08	11/18/20 09:44	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/10/20 15:08	11/18/20 09:44	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/10/20 15:08	11/18/20 09:44	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 09:44	1
Dibenzofuran	ND		10	0.51	ug/L		11/10/20 15:08	11/18/20 09:44	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/10/20 15:08	11/18/20 09:44	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 09:44	1
Fluoranthene	ND		5.0	0.40	ug/L		11/10/20 15:08	11/18/20 09:44	1
Fluorene	0.46 J		5.0	0.36	ug/L		11/10/20 15:08	11/18/20 09:44	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 09:44	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/10/20 15:08	11/18/20 09:44	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 09:44	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/10/20 15:08	11/18/20 09:44	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/10/20 15:08	11/18/20 09:44	1
Isophorone	ND		5.0	0.43	ug/L		11/10/20 15:08	11/18/20 09:44	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/10/20 15:08	11/18/20 09:44	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/10/20 15:08	11/18/20 09:44	1
Naphthalene	1.4 J		5.0	0.76	ug/L		11/10/20 15:08	11/18/20 09:44	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/10/20 15:08	11/18/20 09:44	1
Pentachlorophenol	ND <i>LT</i>		10	2.2	ug/L		11/10/20 15:08	11/18/20 09:44	<i>CC</i>
Phenanthrene	1.8 J		5.0	0.44	ug/L		11/10/20 15:08	11/18/20 09:44	1
Phenol	2.9 J		5.0	0.39	ug/L		11/10/20 15:08	11/18/20 09:44	1

Eurofins TestAmerica, Buffalo

12/03/2020
SMR 11/24/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-3R

Lab Sample ID: 480-177831-3

Date Collected: 11/04/20 12:25

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.50	J	5.0	0.34	ug/L		11/10/20 15:08	11/18/20 09:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		46 - 120				11/10/20 15:08	11/18/20 09:44	1
Phenol-d5 (Surr)	45		22 - 120				11/10/20 15:08	11/18/20 09:44	1
p-Terphenyl-d14 (Surr)	72		60 - 148				11/10/20 15:08	11/18/20 09:44	1
2,4,6-Tribromophenol (Surr)	100		41 - 120				11/10/20 15:08	11/18/20 09:44	1
2-Fluorobiphenyl (Surr)	96		48 - 120				11/10/20 15:08	11/18/20 09:44	1
2-Fluorophenol (Surr)	65		35 - 120				11/10/20 15:08	11/18/20 09:44	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.052	0.0096	ug/L		11/10/20 08:39	11/11/20 11:46	1
4,4'-DDE	ND		0.052	0.012	ug/L		11/10/20 08:39	11/11/20 11:46	1
4,4'-DDT	0.052	J	0.052	0.011	ug/L		11/10/20 08:39	11/11/20 11:46	MSL
Aldrin	ND		0.052	0.0084	ug/L		11/10/20 08:39	11/11/20 11:46	1
alpha-BHC	0.011	J	0.052	0.0080	ug/L		11/10/20 08:39	11/11/20 11:46	1
cis-Chlordane	ND		0.052	0.015	ug/L		11/10/20 08:39	11/11/20 11:46	1
beta-BHC	ND		0.052	0.026	ug/L		11/10/20 08:39	11/11/20 11:46	1
delta-BHC	0.013	J	0.052	0.010	ug/L		11/10/20 08:39	11/11/20 11:46	1
Dieldrin	ND		0.052	0.010	ug/L		11/10/20 08:39	11/11/20 11:46	1
Endosulfan I	ND		0.052	0.011	ug/L		11/10/20 08:39	11/11/20 11:46	1
Endosulfan II	ND		0.052	0.013	ug/L		11/10/20 08:39	11/11/20 11:46	1
Endosulfan sulfate	ND		0.052	0.016	ug/L		11/10/20 08:39	11/11/20 11:46	1
Endrin	ND		0.052	0.014	ug/L		11/10/20 08:39	11/11/20 11:46	1
Endrin aldehyde	ND		0.052	0.017	ug/L		11/10/20 08:39	11/11/20 11:46	1
Endrin ketone	ND		0.052	0.013	ug/L		11/10/20 08:39	11/11/20 11:46	1
gamma-BHC (Lindane)	0.052	J	0.052	0.0083	ug/L		11/10/20 08:39	11/11/20 11:46	MSL
trans-Chlordane	ND		0.052	0.011	ug/L		11/10/20 08:39	11/11/20 11:46	1
Heptachlor	ND		0.052	0.0089	ug/L		11/10/20 08:39	11/11/20 11:46	CSH
Heptachlor epoxide	ND		0.052	0.0077	ug/L		11/10/20 08:39	11/11/20 11:46	1
Methoxychlor	ND		0.052	0.015	ug/L		11/10/20 08:39	11/11/20 11:46	CSH
Toxaphene	ND		0.52	0.13	ug/L		11/10/20 08:39	11/11/20 11:46	CSH
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		20 - 120				11/10/20 08:39	11/11/20 11:46	1
DCB Decachlorobiphenyl	61		20 - 120				11/10/20 08:39	11/11/20 11:46	1
Tetrachloro-m-xylene	113		44 - 120				11/10/20 08:39	11/11/20 11:46	1
Tetrachloro-m-xylene	71		44 - 120				11/10/20 08:39	11/11/20 11:46	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		20 - 120				11/10/20 08:39	11/11/20 11:46	1
DCB Decachlorobiphenyl	61		20 - 120				11/10/20 08:39	11/11/20 11:46	1
Tetrachloro-m-xylene	113		44 - 120				11/10/20 08:39	11/11/20 11:46	1
Tetrachloro-m-xylene	71		44 - 120				11/10/20 08:39	11/11/20 11:46	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 03:46	CSH
PCB-1221	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 03:46	1
PCB-1232	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 03:46	1
PCB-1242	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 03:46	1
PCB-1248	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 03:46	1
PCB-1254	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 03:46	1
PCB-1260	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 03:46	CSH
PCB-1262	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 03:46	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-3R

Lab Sample ID: 480-177831-3

Date Collected: 11/04/20 12:25

Matrix: Water

Date Received: 11/05/20 12:20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	98		39 - 121				11/11/20 09:34	11/13/20 03:46	1
Tetrachloro-m-xylene (Surr)	94		39 - 121				11/11/20 09:34	11/13/20 03:46	1
DCB Decachlorobiphenyl (Surr)	109		19 - 120				11/11/20 09:34	11/13/20 03:46	1
DCB Decachlorobiphenyl (Surr)	117		19 - 120				11/11/20 09:34	11/13/20 03:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.35		0.20	0.060	mg/L		11/11/20 08:45	11/11/20 22:40	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 08:45	11/11/20 22:40	1
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 08:45	11/11/20 22:40	1
Barium	0.18		0.0020	0.00070	mg/L		11/11/20 08:45	11/11/20 22:40	1
Beryllium	ND		0.0020	0.00030	mg/L		11/11/20 08:45	11/11/20 22:40	1
Cadmium	ND		0.0020	0.00050	mg/L		11/11/20 08:45	11/11/20 22:40	1
Calcium	348		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 22:40	1
Chromium	0.0030	J	0.0040	0.0010	mg/L		11/11/20 08:45	11/11/20 22:40	1
Cobalt	0.00090	J	0.0040	0.00063	mg/L		11/11/20 08:45	11/11/20 22:40	1
Copper	0.0019	J	0.010	0.0016	mg/L		11/11/20 08:45	11/11/20 22:40	1
Iron	12.6		0.050	0.019	mg/L		11/11/20 08:45	11/11/20 22:40	1
Lead	0.0056	J	0.010	0.0030	mg/L		11/11/20 08:45	11/11/20 22:40	1
Magnesium	125		0.20	0.043	mg/L		11/11/20 08:45	11/11/20 22:40	1
Manganese	0.89		0.0030	0.00040	mg/L		11/11/20 08:45	11/11/20 22:40	1
Nickel	0.0014	J	0.010	0.0013	mg/L		11/11/20 08:45	11/11/20 22:40	1
Potassium	6.7		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 22:40	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 08:45	11/11/20 22:40	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 08:45	11/11/20 22:40	1
Sodium	121		1.0	0.32	mg/L		11/11/20 08:45	11/11/20 22:40	1
Thallium	ND		0.020	0.010	mg/L		11/11/20 08:45	11/11/20 22:40	1
Vanadium	ND		0.0050	0.0015	mg/L		11/11/20 08:45	11/11/20 22:40	1
Zinc	0.0022	J	0.010	0.0015	mg/L		11/11/20 08:45	11/11/20 22:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/20 13:55	11/10/20 17:37	1

Client Sample ID: MW-5R

Lab Sample ID: 480-177831-4

Date Collected: 11/04/20 14:30

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2800		2000	1600	ug/L			11/11/20 12:38	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			11/11/20 12:38	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			11/11/20 12:38	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			11/11/20 12:38	2000
1,1-Dichloroethane	1500	J	2000	760	ug/L			11/11/20 12:38	2000
1,1-Dichloroethene	910	J	2000	580	ug/L			11/11/20 12:38	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			11/11/20 12:38	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			11/11/20 12:38	2000

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177831-4

Date Collected: 11/04/20 14:30

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		2000	1600	ug/L			11/11/20 12:38	2000
1,2-Dichloroethane	ND		2000	420	ug/L			11/11/20 12:38	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			11/11/20 12:38	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			11/11/20 12:38	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			11/11/20 12:38	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			11/11/20 12:38	2000
2-Hexanone	ND		10000	2500	ug/L			11/11/20 12:38	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			11/11/20 12:38	2000
Acetone	ND		20000	6000	ug/L			11/11/20 12:38	2000
Benzene	4300		2000	820	ug/L			11/11/20 12:38	2000
Bromodichloromethane	ND		2000	780	ug/L			11/11/20 12:38	2000
Bromoform	ND		2000	520	ug/L			11/11/20 12:38	2000
Bromomethane	ND		2000	1400	ug/L			11/11/20 12:38	2000
Carbon disulfide	ND		2000	380	ug/L			11/11/20 12:38	2000
Carbon tetrachloride	ND		2000	540	ug/L			11/11/20 12:38	2000
Chlorobenzene	ND		2000	1500	ug/L			11/11/20 12:38	2000
Dibromochloromethane	ND		2000	640	ug/L			11/11/20 12:38	2000
Chloroethane	ND		2000	640	ug/L			11/11/20 12:38	2000
Chloroform	ND		2000	680	ug/L			11/11/20 12:38	2000
Chloromethane	ND		2000	700	ug/L			11/11/20 12:38	2000
cis-1,2-Dichloroethene	160000		2000	1600	ug/L			11/11/20 12:38	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			11/11/20 12:38	2000
Cyclohexane	ND		2000	360	ug/L			11/11/20 12:38	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			11/11/20 12:38	2000
Ethylbenzene	3100		2000	1500	ug/L			11/11/20 12:38	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			11/11/20 12:38	2000
Isopropylbenzene	ND		2000	1600	ug/L			11/11/20 12:38	2000
Methyl acetate	ND		5000	2600	ug/L			11/11/20 12:38	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			11/11/20 12:38	2000
Methylcyclohexane	ND		2000	320	ug/L			11/11/20 12:38	2000
Methylene Chloride	ND		2000	880	ug/L			11/11/20 12:38	2000
Styrene	ND		2000	1500	ug/L			11/11/20 12:38	2000
Tetrachloroethene	ND		2000	720	ug/L			11/11/20 12:38	2000
Toluene	2600		2000	1000	ug/L			11/11/20 12:38	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			11/11/20 12:38	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			11/11/20 12:38	2000
Trichloroethene	5900		2000	920	ug/L			11/11/20 12:38	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			11/11/20 12:38	2000
Vinyl chloride	5800		2000	1800	ug/L			11/11/20 12:38	2000
Xylenes, Total	1600 J		4000	1300	ug/L			11/11/20 12:38	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		11/11/20 12:38	2000
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		11/11/20 12:38	2000
4-Bromofluorobenzene (Surr)	102		73 - 120		11/11/20 12:38	2000
Dibromofluoromethane (Surr)	114		75 - 123		11/11/20 12:38	2000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	110		50	6.5	ug/L		11/10/20 15:08	11/18/20 11:08	10

Eurofins TestAmerica, Buffalo

12/03/2020
SNL 1/24/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177831-4

Date Collected: 11/04/20 14:30

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	UJ	50	5.2	ug/L		11/10/20 15:08	11/18/20 11:08	10
2,4,5-Trichlorophenol	ND		50	4.8	ug/L		11/10/20 15:08	11/18/20 11:08	10
2,4,6-Trichlorophenol	ND		50	6.1	ug/L		11/10/20 15:08	11/18/20 11:08	10
2,4-Dichlorophenol	ND		50	5.1	ug/L		11/10/20 15:08	11/18/20 11:08	10
2,4-Dimethylphenol	ND		50	5.0	ug/L		11/10/20 15:08	11/18/20 11:08	10
2,4-Dinitrophenol	ND		100	22	ug/L		11/10/20 15:08	11/18/20 11:08	10
2,4-Dinitrotoluene	ND		50	4.5	ug/L		11/10/20 15:08	11/18/20 11:08	10
2,6-Dinitrotoluene	ND		50	4.0	ug/L		11/10/20 15:08	11/18/20 11:08	10
2-Chloronaphthalene	ND		50	4.6	ug/L		11/10/20 15:08	11/18/20 11:08	10
2-Chlorophenol	ND		50	5.3	ug/L		11/10/20 15:08	11/18/20 11:08	10
2-Methylphenol	ND		50	4.0	ug/L		11/10/20 15:08	11/18/20 11:08	10
2-Methylnaphthalene	ND 4900	E	50	6.0	ug/L		11/10/20 15:08	11/18/20 11:08	10
2-Nitroaniline	ND		100	4.2	ug/L		11/10/20 15:08	11/18/20 11:08	10
2-Nitrophenol	ND		50	4.8	ug/L		11/10/20 15:08	11/18/20 11:08	10
3,3'-Dichlorobenzidine	ND		50	4.0	ug/L		11/10/20 15:08	11/18/20 11:08	10
3-Nitroaniline	ND		100	4.8	ug/L		11/10/20 15:08	11/18/20 11:08	10
4,6-Dinitro-2-methylphenol	ND		100	22	ug/L		11/10/20 15:08	11/18/20 11:08	10
4-Bromophenyl phenyl ether	ND		50	4.5	ug/L		11/10/20 15:08	11/18/20 11:08	10
4-Chloro-3-methylphenol	ND		50	4.5	ug/L		11/10/20 15:08	11/18/20 11:08	10
4-Chloroaniline	ND		50	5.9	ug/L		11/10/20 15:08	11/18/20 11:08	10
4-Chlorophenyl phenyl ether	ND		50	3.5	ug/L		11/10/20 15:08	11/18/20 11:08	10
4-Methylphenol	ND		100	3.6	ug/L		11/10/20 15:08	11/18/20 11:08	10
4-Nitroaniline	ND		100	2.5	ug/L		11/10/20 15:08	11/18/20 11:08	10
4-Nitrophenol	ND	UJ	100	15	ug/L		11/10/20 15:08	11/18/20 11:08	10
Acenaphthene	67		50	4.1	ug/L		11/10/20 15:08	11/18/20 11:08	10
Acenaphthylene	390		50	3.8	ug/L		11/10/20 15:08	11/18/20 11:08	10
Acetophenone	6.5	J	50	5.4	ug/L		11/10/20 15:08	11/18/20 11:08	10
Anthracene	22	J	50	2.8	ug/L		11/10/20 15:08	11/18/20 11:08	10
Atrazine	ND	UJ	50	4.6	ug/L		11/10/20 15:08	11/18/20 11:08	10
Benzaldehyde	ND		50	2.7	ug/L		11/10/20 15:08	11/18/20 11:08	10
Benzo[a]anthracene	ND		50	3.6	ug/L		11/10/20 15:08	11/18/20 11:08	10
Benzo[a]pyrene	ND		50	4.7	ug/L		11/10/20 15:08	11/18/20 11:08	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		11/10/20 15:08	11/18/20 11:08	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		11/10/20 15:08	11/18/20 11:08	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		11/10/20 15:08	11/18/20 11:08	10
Bis(2-chloroethoxy)methane	ND		50	3.5	ug/L		11/10/20 15:08	11/18/20 11:08	10
Bis(2-chloroethyl)ether	ND		50	4.0	ug/L		11/10/20 15:08	11/18/20 11:08	10
Bis(2-ethylhexyl) phthalate	ND		50	22	ug/L		11/10/20 15:08	11/18/20 11:08	10
Butyl benzyl phthalate	ND		50	10	ug/L		11/10/20 15:08	11/18/20 11:08	10
Caprolactam	ND		50	22	ug/L		11/10/20 15:08	11/18/20 11:08	10
Carbazole	9.5	J	50	3.0	ug/L		11/10/20 15:08	11/18/20 11:08	10
Chrysene	ND		50	3.3	ug/L		11/10/20 15:08	11/18/20 11:08	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		11/10/20 15:08	11/18/20 11:08	10
Di-n-butyl phthalate	ND		50	3.1	ug/L		11/10/20 15:08	11/18/20 11:08	10
Di-n-octyl phthalate	ND		50	4.7	ug/L		11/10/20 15:08	11/18/20 11:08	10
Dibenzofuran	19	J	100	5.1	ug/L		11/10/20 15:08	11/18/20 11:08	10
Diethyl phthalate	ND		50	2.2	ug/L		11/10/20 15:08	11/18/20 11:08	10
Dimethyl phthalate	ND		50	3.6	ug/L		11/10/20 15:08	11/18/20 11:08	10
Fluoranthene	9.5	J	50	4.0	ug/L		11/10/20 15:08	11/18/20 11:08	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177831-4

Date Collected: 11/04/20 14:30

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	80		50	3.6	ug/L		11/10/20 15:08	11/18/20 11:08	10
Hexachlorobenzene	ND		50	5.1	ug/L		11/10/20 15:08	11/18/20 11:08	10
Hexachlorobutadiene	ND		50	6.8	ug/L		11/10/20 15:08	11/18/20 11:08	10
Hexachlorocyclopentadiene	ND		50	5.9	ug/L		11/10/20 15:08	11/18/20 11:08	10
Hexachloroethane	ND		50	5.9	ug/L		11/10/20 15:08	11/18/20 11:08	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		11/10/20 15:08	11/18/20 11:08	10
Isophorone	ND		50	4.3	ug/L		11/10/20 15:08	11/18/20 11:08	10
N-Nitrosodi-n-propylamine	ND		50	5.4	ug/L		11/10/20 15:08	11/18/20 11:08	10
N-Nitrosodiphenylamine	ND		50	5.1	ug/L		11/10/20 15:08	11/18/20 11:08	10
Naphthalene	3200 E		50	7.6	ug/L		11/10/20 15:08	11/18/20 11:08	10
Nitrobenzene	ND		50	2.9	ug/L		11/10/20 15:08	11/18/20 11:08	10
Pentachlorophenol	ND		100	22	ug/L		11/10/20 15:08	11/18/20 11:08	10
Phenanthrene	100		50	4.4	ug/L		11/10/20 15:08	11/18/20 11:08	10
Phenol	ND		50	3.9	ug/L		11/10/20 15:08	11/18/20 11:08	10
Pyrene	18 J		50	3.4	ug/L		11/10/20 15:08	11/18/20 11:08	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	98		46 - 120	11/10/20 15:08	11/18/20 11:08	10
Phenol-d5 (Surr)	39		22 - 120	11/10/20 15:08	11/18/20 11:08	10
p-Terphenyl-d14 (Surr)	72		60 - 148	11/10/20 15:08	11/18/20 11:08	10
2,4,6-Tribromophenol (Surr)	107		41 - 120	11/10/20 15:08	11/18/20 11:08	10
2-Fluorobiphenyl (Surr)	100		48 - 120	11/10/20 15:08	11/18/20 11:08	10
2-Fluorophenol (Surr)	60		35 - 120	11/10/20 15:08	11/18/20 11:08	10

* Report from dilution

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1000	130	ug/L		11/10/20 15:08	11/18/20 16:57	200
bis (2-chloroisopropyl) ether	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 16:57	200
2,4,5-Trichlorophenol	ND		1000	96	ug/L		11/10/20 15:08	11/18/20 16:57	200
2,4,6-Trichlorophenol	ND		1000	120	ug/L		11/10/20 15:08	11/18/20 16:57	200
2,4-Dichlorophenol	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 16:57	200
2,4-Dimethylphenol	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 16:57	200
2,4-Dinitrophenol	ND		2000	440	ug/L		11/10/20 15:08	11/18/20 16:57	200
2,4-Dinitrotoluene	ND		1000	89	ug/L		11/10/20 15:08	11/18/20 16:57	200
2,6-Dinitrotoluene	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 16:57	200
2-Chloronaphthalene	ND		1000	92	ug/L		11/10/20 15:08	11/18/20 16:57	200
2-Chlorophenol	ND		1000	110	ug/L		11/10/20 15:08	11/18/20 16:57	200
2-Methylphenol	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 16:57	200
2-Methylnaphthalene	1500		1000	120	ug/L		11/10/20 15:08	11/18/20 16:57	200
2-Nitroaniline	ND		2000	84	ug/L		11/10/20 15:08	11/18/20 16:57	200
2-Nitrophenol	ND		1000	96	ug/L		11/10/20 15:08	11/18/20 16:57	200
3,3'-Dichlorobenzidine	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 16:57	200
3-Nitroaniline	ND		2000	96	ug/L		11/10/20 15:08	11/18/20 16:57	200
4,6-Dinitro-2-methylphenol	ND		2000	440	ug/L		11/10/20 15:08	11/18/20 16:57	200
4-Bromophenyl phenyl ether	ND		1000	90	ug/L		11/10/20 15:08	11/18/20 16:57	200
4-Chloro-3-methylphenol	ND		1000	90	ug/L		11/10/20 15:08	11/18/20 16:57	200
4-Chloroaniline	ND		1000	120	ug/L		11/10/20 15:08	11/18/20 16:57	200
4-Chlorophenyl phenyl ether	ND		1000	70	ug/L		11/10/20 15:08	11/18/20 16:57	200
4-Methylphenol	ND		2000	72	ug/L		11/10/20 15:08	11/18/20 16:57	200
4-Nitroaniline	ND		2000	50	ug/L		11/10/20 15:08	11/18/20 16:57	200

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177831-4

Date Collected: 11/04/20 14:30

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		2000	300	ug/L		11/10/20 15:08	11/18/20 16:57	200
Acenaphthene	ND		1000	82	ug/L		11/10/20 15:08	11/18/20 16:57	200
Acenaphthylene	390	J	1000	76	ug/L		11/10/20 15:08	11/18/20 16:57	200
Acetophenone	ND		1000	110	ug/L		11/10/20 15:08	11/18/20 16:57	200
Anthracene	ND		1000	56	ug/L		11/10/20 15:08	11/18/20 16:57	200
Atrazine	ND		1000	92	ug/L		11/10/20 15:08	11/18/20 16:57	200
Benzaldehyde	ND		1000	53	ug/L		11/10/20 15:08	11/18/20 16:57	200
Benzo[a]anthracene	ND		1000	72	ug/L		11/10/20 15:08	11/18/20 16:57	200
Benzo[a]pyrene	ND		1000	94	ug/L		11/10/20 15:08	11/18/20 16:57	200
Benzo[b]fluoranthene	ND		1000	68	ug/L		11/10/20 15:08	11/18/20 16:57	200
Benzo[g,h,i]perylene	ND		1000	70	ug/L		11/10/20 15:08	11/18/20 16:57	200
Benzo[k]fluoranthene	ND		1000	150	ug/L		11/10/20 15:08	11/18/20 16:57	200
Bis(2-chloroethoxy)methane	ND		1000	70	ug/L		11/10/20 15:08	11/18/20 16:57	200
Bis(2-chloroethyl)ether	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 16:57	200
Bis(2-ethylhexyl) phthalate	ND		1000	440	ug/L		11/10/20 15:08	11/18/20 16:57	200
Butyl benzyl phthalate	ND		1000	200	ug/L		11/10/20 15:08	11/18/20 16:57	200
Caprolactam	ND		1000	440	ug/L		11/10/20 15:08	11/18/20 16:57	200
Carbazole	ND		1000	60	ug/L		11/10/20 15:08	11/18/20 16:57	200
Chrysene	ND		1000	66	ug/L		11/10/20 15:08	11/18/20 16:57	200
Dibenz(a,h)anthracene	ND		1000	84	ug/L		11/10/20 15:08	11/18/20 16:57	200
Di-n-butyl phthalate	ND		1000	62	ug/L		11/10/20 15:08	11/18/20 16:57	200
Di-n-octyl phthalate	ND		1000	94	ug/L		11/10/20 15:08	11/18/20 16:57	200
Dibenzofuran	ND		2000	100	ug/L		11/10/20 15:08	11/18/20 16:57	200
Diethyl phthalate	ND		1000	44	ug/L		11/10/20 15:08	11/18/20 16:57	200
Dimethyl phthalate	ND		1000	72	ug/L		11/10/20 15:08	11/18/20 16:57	200
Fluoranthene	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 16:57	200
Fluorene	76	J	1000	72	ug/L		11/10/20 15:08	11/18/20 16:57	200
Hexachlorobenzene	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 16:57	200
Hexachlorobutadiene	ND		1000	140	ug/L		11/10/20 15:08	11/18/20 16:57	200
Hexachlorocyclopentadiene	ND		1000	120	ug/L		11/10/20 15:08	11/18/20 16:57	200
Hexachloroethane	ND		1000	120	ug/L		11/10/20 15:08	11/18/20 16:57	200
Indeno[1,2,3-cd]pyrene	ND		1000	94	ug/L		11/10/20 15:08	11/18/20 16:57	200
Isophorone	ND		1000	86	ug/L		11/10/20 15:08	11/18/20 16:57	200
N-Nitrosodi-n-propylamine	ND		1000	110	ug/L		11/10/20 15:08	11/18/20 16:57	200
N-Nitrosodiphenylamine	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 16:57	200
Naphthalene	8700		1000	150	ug/L		11/10/20 15:08	11/18/20 16:57	200
Nitrobenzene	ND		1000	58	ug/L		11/10/20 15:08	11/18/20 16:57	200
Pentachlorophenol	ND		2000	440	ug/L		11/10/20 15:08	11/18/20 16:57	200
Phenanthrene	120	J	1000	88	ug/L		11/10/20 15:08	11/18/20 16:57	200
Phenol	ND		1000	78	ug/L		11/10/20 15:08	11/18/20 16:57	200
Pyrene	ND		1000	68	ug/L		11/10/20 15:08	11/18/20 16:57	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	378	X	46 - 120	11/10/20 15:08	11/18/20 16:57	200
Phenol-d5 (Surr)	0	X	22 - 120	11/10/20 15:08	11/18/20 16:57	200
p-Terphenyl-d14 (Surr)	78		60 - 148	11/10/20 15:08	11/18/20 16:57	200
2,4,6-Tribromophenol (Surr)	0	X	41 - 120	11/10/20 15:08	11/18/20 16:57	200
2-Fluorobiphenyl (Surr)	103		48 - 120	11/10/20 15:08	11/18/20 16:57	200
2-Fluorophenol (Surr)	0	X	35 - 120	11/10/20 15:08	11/18/20 16:57	200

★ Repeat

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177831-4

Date Collected: 11/04/20 14:30

Matrix: Water

Date Received: 11/05/20 12:20

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.11	J	0.25	0.046	ug/L		11/10/20 08:39	11/11/20 13:24	5
4,4'-DDE	ND		0.25	0.058	ug/L		11/10/20 08:39	11/11/20 13:24	5
4,4'-DDT	0.25	0.15 J B U	0.25	0.055	ug/L		11/10/20 08:39	11/11/20 13:24	MBL 5
Aldrin	0.12	J	0.25	0.041	ug/L		11/10/20 08:39	11/11/20 13:24	5
alpha-BHC	0.25		0.25	0.039	ug/L		11/10/20 08:39	11/11/20 13:24	5
cis-Chlordane	ND		0.25	0.074	ug/L		11/10/20 08:39	11/11/20 13:24	5
beta-BHC	ND		0.25	0.12	ug/L		11/10/20 08:39	11/11/20 13:24	5
delta-BHC	0.067	J	0.25	0.050	ug/L		11/10/20 08:39	11/11/20 13:24	5
Dieldrin	ND		0.25	0.049	ug/L		11/10/20 08:39	11/11/20 13:24	5
Endosulfan I	ND		0.25	0.055	ug/L		11/10/20 08:39	11/11/20 13:24	5
Endosulfan II	ND		0.25	0.060	ug/L		11/10/20 08:39	11/11/20 13:24	5
Endosulfan sulfate	ND		0.25	0.079	ug/L		11/10/20 08:39	11/11/20 13:24	5
Endrin	ND		0.25	0.069	ug/L		11/10/20 08:39	11/11/20 13:24	5
Endrin aldehyde	ND		0.25	0.082	ug/L		11/10/20 08:39	11/11/20 13:24	5
Endrin ketone	0.097	J	0.25	0.060	ug/L		11/10/20 08:39	11/11/20 13:24	5
gamma-BHC (Lindane)	0.25	0.077 J B U	0.25	0.040	ug/L		11/10/20 08:39	11/11/20 13:24	MBL 5
trans-Chlordane	ND		0.25	0.055	ug/L		11/10/20 08:39	11/11/20 13:24	5
Heptachlor	ND UJ		0.25	0.043	ug/L		11/10/20 08:39	11/11/20 13:24	CCH 5
Heptachlor epoxide	0.065	J	0.25	0.037	ug/L		11/10/20 08:39	11/11/20 13:24	5
Methoxychlor	0.21	J	0.25	0.071	ug/L		11/10/20 08:39	11/11/20 13:24	ASH 5
Toxaphene	ND UJ		2.5	0.60	ug/L		11/10/20 08:39	11/11/20 13:24	CCH 5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		20 - 120	11/10/20 08:39	11/11/20 13:24	5
DCB Decachlorobiphenyl	67		20 - 120	11/10/20 08:39	11/11/20 13:24	5
Tetrachloro-m-xylene	199	X	44 - 120	11/10/20 08:39	11/11/20 13:24	5
Tetrachloro-m-xylene	91		44 - 120	11/10/20 08:39	11/11/20 13:24	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND UJ		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:09	CCH 1
PCB-1221	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:09	1
PCB-1232	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:09	1
PCB-1242	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:09	1
PCB-1248	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:09	1
PCB-1254	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:09	1
PCB-1260	ND UJ		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:09	CCH 1
PCB-1262	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:09	1
PCB-1268	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	87		39 - 121	11/11/20 09:34	11/13/20 06:09	1
Tetrachloro-m-xylene (Surr)	99		39 - 121	11/11/20 09:34	11/13/20 06:09	1
DCB Decachlorobiphenyl (Surr)	59		19 - 120	11/11/20 09:34	11/13/20 06:09	1
DCB Decachlorobiphenyl (Surr)	65		19 - 120	11/11/20 09:34	11/13/20 06:09	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19.5		0.20	0.060	mg/L		11/11/20 08:45	11/11/20 23:10	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 08:45	11/11/20 23:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177831-4

Date Collected: 11/04/20 14:30

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 08:45	11/11/20 23:10	1
Barium	0.78	J	0.0020	0.00070	mg/L		11/11/20 08:45	11/11/20 23:10	1
Beryllium	0.00079	J	0.0020	0.00030	mg/L		11/11/20 08:45	11/11/20 23:10	1
Cadmium	ND		0.0020	0.00050	mg/L		11/11/20 08:45	11/11/20 23:10	1
Calcium	363		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 23:10	1
Chromium	0.027		0.0040	0.0010	mg/L		11/11/20 08:45	11/11/20 23:10	1
Cobalt	0.011		0.0040	0.00063	mg/L		11/11/20 08:45	11/11/20 23:10	1
Copper	0.024		0.010	0.0016	mg/L		11/11/20 08:45	11/11/20 23:10	1
Iron	31.9		0.050	0.019	mg/L		11/11/20 08:45	11/11/20 23:10	1
Lead	0.036		0.010	0.0030	mg/L		11/11/20 08:45	11/11/20 23:10	1
Magnesium	116		0.20	0.043	mg/L		11/11/20 08:45	11/11/20 23:10	1
Manganese	1.1		0.0030	0.00040	mg/L		11/11/20 08:45	11/11/20 23:10	1
Nickel	0.024		0.010	0.0013	mg/L		11/11/20 08:45	11/11/20 23:10	1
Potassium	12.4		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 23:10	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 08:45	11/11/20 23:10	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 08:45	11/11/20 23:10	1
Sodium	745		1.0	0.32	mg/L		11/11/20 08:45	11/11/20 23:10	1
Thallium	ND		0.020	0.010	mg/L		11/11/20 08:45	11/11/20 23:10	1
Vanadium	0.041		0.0050	0.0015	mg/L		11/11/20 08:45	11/11/20 23:10	1
Zinc	0.094		0.010	0.0015	mg/L		11/11/20 08:45	11/11/20 23:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/20 13:55	11/10/20 17:42	1

Client Sample ID: DUP-001

Lab Sample ID: 480-177831-5

Date Collected: 11/04/20 00:00

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2900		2000	1600	ug/L			11/11/20 13:02	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			11/11/20 13:02	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			11/11/20 13:02	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			11/11/20 13:02	2000
1,1-Dichloroethane	1500	J	2000	760	ug/L			11/11/20 13:02	2000
1,1-Dichloroethene	940	J	2000	580	ug/L			11/11/20 13:02	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			11/11/20 13:02	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			11/11/20 13:02	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			11/11/20 13:02	2000
1,2-Dichloroethane	ND		2000	420	ug/L			11/11/20 13:02	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			11/11/20 13:02	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			11/11/20 13:02	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			11/11/20 13:02	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			11/11/20 13:02	2000
2-Hexanone	ND		10000	2500	ug/L			11/11/20 13:02	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			11/11/20 13:02	2000
Acetone	ND		20000	6000	ug/L			11/11/20 13:02	2000
Benzene	4100		2000	820	ug/L			11/11/20 13:02	2000
Bromodichloromethane	ND		2000	780	ug/L			11/11/20 13:02	2000

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12/03/2020
SMK 1/2/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: DUP-001

Lab Sample ID: 480-177831-5

Date Collected: 11/04/20 00:00

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		2000	520	ug/L			11/11/20 13:02	2000
Bromomethane	ND		2000	1400	ug/L			11/11/20 13:02	2000
Carbon disulfide	ND		2000	380	ug/L			11/11/20 13:02	2000
Carbon tetrachloride	ND		2000	540	ug/L			11/11/20 13:02	2000
Chlorobenzene	ND		2000	1500	ug/L			11/11/20 13:02	2000
Dibromochloromethane	ND		2000	640	ug/L			11/11/20 13:02	2000
Chloroethane	ND		2000	640	ug/L			11/11/20 13:02	2000
Chloroform	ND		2000	680	ug/L			11/11/20 13:02	2000
Chloromethane	ND		2000	700	ug/L			11/11/20 13:02	2000
cis-1,2-Dichloroethene	160000		2000	1600	ug/L			11/11/20 13:02	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			11/11/20 13:02	2000
Cyclohexane	ND		2000	360	ug/L			11/11/20 13:02	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			11/11/20 13:02	2000
Ethylbenzene	3000		2000	1500	ug/L			11/11/20 13:02	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			11/11/20 13:02	2000
Isopropylbenzene	ND		2000	1600	ug/L			11/11/20 13:02	2000
Methyl acetate	ND		5000	2600	ug/L			11/11/20 13:02	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			11/11/20 13:02	2000
Methylcyclohexane	ND		2000	320	ug/L			11/11/20 13:02	2000
Methylene Chloride	ND		2000	880	ug/L			11/11/20 13:02	2000
Styrene	ND		2000	1500	ug/L			11/11/20 13:02	2000
Tetrachloroethene	ND		2000	720	ug/L			11/11/20 13:02	2000
Toluene	2500		2000	1000	ug/L			11/11/20 13:02	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			11/11/20 13:02	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			11/11/20 13:02	2000
Trichloroethene	6200		2000	920	ug/L			11/11/20 13:02	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			11/11/20 13:02	2000
Vinyl chloride	6100		2000	1800	ug/L			11/11/20 13:02	2000
Xylenes, Total	1600 J		4000	1300	ug/L			11/11/20 13:02	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		80 - 120		11/11/20 13:02	2000
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		11/11/20 13:02	2000
4-Bromofluorobenzene (Surr)	106		73 - 120		11/11/20 13:02	2000
Dibromofluoromethane (Surr)	113		75 - 123		11/11/20 13:02	2000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	130		100	13	ug/L		11/10/20 15:08	11/18/20 11:36	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		11/10/20 15:08	11/18/20 11:36	20
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		11/10/20 15:08	11/18/20 11:36	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		11/10/20 15:08	11/18/20 11:36	20
2,4-Dichlorophenol	ND		100	10	ug/L		11/10/20 15:08	11/18/20 11:36	20
2,4-Dimethylphenol	ND		100	10	ug/L		11/10/20 15:08	11/18/20 11:36	20
2,4-Dinitrophenol	ND		200	44	ug/L		11/10/20 15:08	11/18/20 11:36	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		11/10/20 15:08	11/18/20 11:36	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
2-Chloronaphthalene	ND		100	9.2	ug/L		11/10/20 15:08	11/18/20 11:36	20
2-Chlorophenol	ND		100	11	ug/L		11/10/20 15:08	11/18/20 11:36	20
2-Methylphenol	ND		100	8.0	ug/L		11/10/20 15:08	11/18/20 11:36	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: DUP-001

Lab Sample ID: 480-177831-5

Date Collected: 11/04/20 00:00

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1500 E		100	12	ug/L		11/10/20 15:08	11/18/20 11:36	20
2-Nitroaniline	ND		200	8.4	ug/L		11/10/20 15:08	11/18/20 11:36	20
2-Nitrophenol	ND		100	9.6	ug/L		11/10/20 15:08	11/18/20 11:36	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
3-Nitroaniline	ND		200	9.6	ug/L		11/10/20 15:08	11/18/20 11:36	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		11/10/20 15:08	11/18/20 11:36	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
4-Chloroaniline	ND		100	12	ug/L		11/10/20 15:08	11/18/20 11:36	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
4-Methylphenol	ND		200	7.2	ug/L		11/10/20 15:08	11/18/20 11:36	20
4-Nitroaniline	ND		200	5.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
4-Nitrophenol	ND UJ		200	30	ug/L		11/10/20 15:08	11/18/20 11:36	20 CC4
Acenaphthene	80 J		100	8.2	ug/L		11/10/20 15:08	11/18/20 11:36	20
Acenaphthylene	450		100	7.6	ug/L		11/10/20 15:08	11/18/20 11:36	20
Acetophenone	ND		100	11	ug/L		11/10/20 15:08	11/18/20 11:36	20
Anthracene	40 J		100	5.6	ug/L		11/10/20 15:08	11/18/20 11:36	20
Atrazine	ND UJ		100	9.2	ug/L		11/10/20 15:08	11/18/20 11:36	20 CC4
Benzaldehyde	ND		100	5.3	ug/L		11/10/20 15:08	11/18/20 11:36	20
Benzo[a]anthracene	12 J		100	7.2	ug/L		11/10/20 15:08	11/18/20 11:36	20
Benzo[a]pyrene	15 J		100	9.4	ug/L		11/10/20 15:08	11/18/20 11:36	20
Benzo[b]fluoranthene	8.9 J		100	6.8	ug/L		11/10/20 15:08	11/18/20 11:36	20
Benzo[g,h,i]perylene	7.3 J		100	7.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
Benzo[k]fluoranthene	ND		100	15	ug/L		11/10/20 15:08	11/18/20 11:36	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		11/10/20 15:08	11/18/20 11:36	20
Butyl benzyl phthalate	ND		100	20	ug/L		11/10/20 15:08	11/18/20 11:36	20
Caprolactam	ND		100	44	ug/L		11/10/20 15:08	11/18/20 11:36	20
Carbazole	10 J		100	6.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
Chrysene	10 J		100	6.6	ug/L		11/10/20 15:08	11/18/20 11:36	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		11/10/20 15:08	11/18/20 11:36	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		11/10/20 15:08	11/18/20 11:36	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		11/10/20 15:08	11/18/20 11:36	20
Dibenzofuran	24 J		200	10	ug/L		11/10/20 15:08	11/18/20 11:36	20
Diethyl phthalate	ND		100	4.4	ug/L		11/10/20 15:08	11/18/20 11:36	20
Dimethyl phthalate	ND		100	7.2	ug/L		11/10/20 15:08	11/18/20 11:36	20
Fluoranthene	27 J		100	8.0	ug/L		11/10/20 15:08	11/18/20 11:36	20
Fluorene	100		100	7.2	ug/L		11/10/20 15:08	11/18/20 11:36	20
Hexachlorobenzene	ND		100	10	ug/L		11/10/20 15:08	11/18/20 11:36	20
Hexachlorobutadiene	ND		100	14	ug/L		11/10/20 15:08	11/18/20 11:36	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		11/10/20 15:08	11/18/20 11:36	20
Hexachloroethane	ND		100	12	ug/L		11/10/20 15:08	11/18/20 11:36	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		11/10/20 15:08	11/18/20 11:36	20
Isophorone	ND		100	8.6	ug/L		11/10/20 15:08	11/18/20 11:36	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		11/10/20 15:08	11/18/20 11:36	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		11/10/20 15:08	11/18/20 11:36	20
Naphthalene	4500 E		100	15	ug/L		11/10/20 15:08	11/18/20 11:36	20
Nitrobenzene	ND		100	5.8	ug/L		11/10/20 15:08	11/18/20 11:36	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: DUP-001

Lab Sample ID: 480-177831-5

Date Collected: 11/04/20 00:00

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		200	44	ug/L		11/10/20 15:08	11/18/20 11:36	20
Phenanthrene	180		100	8.8	ug/L		11/10/20 15:08	11/18/20 11:36	20
Phenol	ND		100	7.8	ug/L		11/10/20 15:08	11/18/20 11:36	20
Pyrene	52	J	100	6.8	ug/L		11/10/20 15:08	11/18/20 11:36	20

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	115		46 - 120				11/10/20 15:08	11/18/20 11:36	20
Phenol-d5 (Surr)	43		22 - 120				11/10/20 15:08	11/18/20 11:36	20
p-Terphenyl-d14 (Surr)	74		60 - 148				11/10/20 15:08	11/18/20 11:36	20
2,4,6-Tribromophenol (Surr)	130	X	41 - 120				11/10/20 15:08	11/18/20 11:36	20
2-Fluorobiphenyl (Surr)	102		48 - 120				11/10/20 15:08	11/18/20 11:36	20
2-Fluorophenol (Surr)	53		35 - 120				11/10/20 15:08	11/18/20 11:36	20

Report from dilution

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	130	J	1000	130	ug/L		11/10/20 15:08	11/18/20 17:25	200
bis (2-chloroisopropyl) ether	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 17:25	200
2,4,5-Trichlorophenol	ND		1000	96	ug/L		11/10/20 15:08	11/18/20 17:25	200
2,4,6-Trichlorophenol	ND		1000	120	ug/L		11/10/20 15:08	11/18/20 17:25	200
2,4-Dichlorophenol	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 17:25	200
2,4-Dimethylphenol	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 17:25	200
2,4-Dinitrophenol	ND		2000	440	ug/L		11/10/20 15:08	11/18/20 17:25	200
2,4-Dinitrotoluene	ND		1000	89	ug/L		11/10/20 15:08	11/18/20 17:25	200
2,6-Dinitrotoluene	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 17:25	200
2-Chloronaphthalene	ND		1000	92	ug/L		11/10/20 15:08	11/18/20 17:25	200
2-Chlorophenol	ND		1000	110	ug/L		11/10/20 15:08	11/18/20 17:25	200
2-Methylphenol	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 17:25	200
2-Methylnaphthalene	1700		1000	120	ug/L		11/10/20 15:08	11/18/20 17:25	200
2-Nitroaniline	ND		2000	84	ug/L		11/10/20 15:08	11/18/20 17:25	200
2-Nitrophenol	ND		1000	96	ug/L		11/10/20 15:08	11/18/20 17:25	200
3,3'-Dichlorobenzidine	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 17:25	200
3-Nitroaniline	ND		2000	96	ug/L		11/10/20 15:08	11/18/20 17:25	200
4,6-Dinitro-2-methylphenol	ND		2000	440	ug/L		11/10/20 15:08	11/18/20 17:25	200
4-Bromophenyl phenyl ether	ND		1000	90	ug/L		11/10/20 15:08	11/18/20 17:25	200
4-Chloro-3-methylphenol	ND		1000	90	ug/L		11/10/20 15:08	11/18/20 17:25	200
4-Chloroaniline	ND		1000	120	ug/L		11/10/20 15:08	11/18/20 17:25	200
4-Chlorophenyl phenyl ether	ND		1000	70	ug/L		11/10/20 15:08	11/18/20 17:25	200
4-Methylphenol	ND		2000	72	ug/L		11/10/20 15:08	11/18/20 17:25	200
4-Nitroaniline	ND		2000	50	ug/L		11/10/20 15:08	11/18/20 17:25	200
4-Nitrophenol	ND		2000	300	ug/L		11/10/20 15:08	11/18/20 17:25	200
Acenaphthene	84	J	1000	82	ug/L		11/10/20 15:08	11/18/20 17:25	200
Acenaphthylene	420	J	1000	76	ug/L		11/10/20 15:08	11/18/20 17:25	200
Acetophenone	ND		1000	110	ug/L		11/10/20 15:08	11/18/20 17:25	200
Anthracene	ND		1000	56	ug/L		11/10/20 15:08	11/18/20 17:25	200
Atrazine	ND		1000	92	ug/L		11/10/20 15:08	11/18/20 17:25	200
Benzaldehyde	ND		1000	53	ug/L		11/10/20 15:08	11/18/20 17:25	200
Benzo[a]anthracene	ND		1000	72	ug/L		11/10/20 15:08	11/18/20 17:25	200
Benzo[a]pyrene	ND		1000	94	ug/L		11/10/20 15:08	11/18/20 17:25	200
Benzo[b]fluoranthene	ND		1000	68	ug/L		11/10/20 15:08	11/18/20 17:25	200
Benzo[g,h,i]perylene	ND		1000	70	ug/L		11/10/20 15:08	11/18/20 17:25	200

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Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: DUP-001

Lab Sample ID: 480-177831-5

Date Collected: 11/04/20 00:00

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		1000	150	ug/L		11/10/20 15:08	11/18/20 17:25	200
Bis(2-chloroethoxy)methane	ND		1000	70	ug/L		11/10/20 15:08	11/18/20 17:25	200
Bis(2-chloroethyl)ether	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 17:25	200
Bis(2-ethylhexyl) phthalate	ND		1000	440	ug/L		11/10/20 15:08	11/18/20 17:25	200
Butyl benzyl phthalate	ND		1000	200	ug/L		11/10/20 15:08	11/18/20 17:25	200
Caprolactam	ND		1000	440	ug/L		11/10/20 15:08	11/18/20 17:25	200
Carbazole	ND		1000	60	ug/L		11/10/20 15:08	11/18/20 17:25	200
Chrysene	ND		1000	66	ug/L		11/10/20 15:08	11/18/20 17:25	200
Dibenz(a,h)anthracene	ND		1000	84	ug/L		11/10/20 15:08	11/18/20 17:25	200
Di-n-butyl phthalate	ND		1000	62	ug/L		11/10/20 15:08	11/18/20 17:25	200
Di-n-octyl phthalate	ND		1000	94	ug/L		11/10/20 15:08	11/18/20 17:25	200
Dibenzofuran	ND		2000	100	ug/L		11/10/20 15:08	11/18/20 17:25	200
Diethyl phthalate	ND		1000	44	ug/L		11/10/20 15:08	11/18/20 17:25	200
Dimethyl phthalate	ND		1000	72	ug/L		11/10/20 15:08	11/18/20 17:25	200
Fluoranthene	ND		1000	80	ug/L		11/10/20 15:08	11/18/20 17:25	200
Fluorene	90	J	1000	72	ug/L		11/10/20 15:08	11/18/20 17:25	200
Hexachlorobenzene	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 17:25	200
Hexachlorobutadiene	ND		1000	140	ug/L		11/10/20 15:08	11/18/20 17:25	200
Hexachlorocyclopentadiene	ND		1000	120	ug/L		11/10/20 15:08	11/18/20 17:25	200
Hexachloroethane	ND		1000	120	ug/L		11/10/20 15:08	11/18/20 17:25	200
Indeno[1,2,3-cd]pyrene	ND		1000	94	ug/L		11/10/20 15:08	11/18/20 17:25	200
Isophorone	ND		1000	86	ug/L		11/10/20 15:08	11/18/20 17:25	200
N-Nitrosodi-n-propylamine	ND		1000	110	ug/L		11/10/20 15:08	11/18/20 17:25	200
N-Nitrosodiphenylamine	ND		1000	100	ug/L		11/10/20 15:08	11/18/20 17:25	200
Naphthalene	★ 8700		1000	150	ug/L		11/10/20 15:08	11/18/20 17:25	200
Nitrobenzene	ND		1000	58	ug/L		11/10/20 15:08	11/18/20 17:25	200
Pentachlorophenol	ND		2000	440	ug/L		11/10/20 15:08	11/18/20 17:25	200
Phenanthrene	200	J	1000	88	ug/L		11/10/20 15:08	11/18/20 17:25	200
Phenol	ND		1000	78	ug/L		11/10/20 15:08	11/18/20 17:25	200
Pyrene	ND		1000	68	ug/L		11/10/20 15:08	11/18/20 17:25	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	367	X	46 - 120	11/10/20 15:08	11/18/20 17:25	200
Phenol-d5 (Surr)	0	X	22 - 120	11/10/20 15:08	11/18/20 17:25	200
p-Terphenyl-d14 (Surr)	0	X	60 - 148	11/10/20 15:08	11/18/20 17:25	200
2,4,6-Tribromophenol (Surr)	0	X	41 - 120	11/10/20 15:08	11/18/20 17:25	200
2-Fluorobiphenyl (Surr)	99		48 - 120	11/10/20 15:08	11/18/20 17:25	200
2-Fluorophenol (Surr)	0	X	35 - 120	11/10/20 15:08	11/18/20 17:25	200

★ Report

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.11	J	0.25	0.046	ug/L		11/10/20 08:39	11/11/20 13:44	5
4,4'-DDE	ND		0.25	0.058	ug/L		11/10/20 08:39	11/11/20 13:44	5
4,4'-DDT	ND	US	0.25	0.055	ug/L		11/10/20 08:39	11/11/20 13:44	5
Aldrin	0.11	J	0.25	0.041	ug/L		11/10/20 08:39	11/11/20 13:44	5
alpha-BHC	0.23	J	0.25	0.039	ug/L		11/10/20 08:39	11/11/20 13:44	5
cis-Chlordane	ND		0.25	0.074	ug/L		11/10/20 08:39	11/11/20 13:44	5
beta-BHC	ND		0.25	0.12	ug/L		11/10/20 08:39	11/11/20 13:44	5
delta-BHC	0.065	J	0.25	0.050	ug/L		11/10/20 08:39	11/11/20 13:44	5
Dieldrin	ND		0.25	0.049	ug/L		11/10/20 08:39	11/11/20 13:44	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: DUP-001

Lab Sample ID: 480-177831-5

Date Collected: 11/04/20 00:00

Matrix: Water

Date Received: 11/05/20 12:20

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		0.25	0.055	ug/L		11/10/20 08:39	11/11/20 13:44	5
Endosulfan II	ND		0.25	0.060	ug/L		11/10/20 08:39	11/11/20 13:44	5
Endosulfan sulfate	ND		0.25	0.079	ug/L		11/10/20 08:39	11/11/20 13:44	5
Endrin	ND		0.25	0.069	ug/L		11/10/20 08:39	11/11/20 13:44	5
Endrin aldehyde	ND		0.25	0.082	ug/L		11/10/20 08:39	11/11/20 13:44	5
Endrin ketone	0.062	J	0.25	0.060	ug/L		11/10/20 08:39	11/11/20 13:44	5
gamma-BHC (Lindane)	0.25	U	0.25	0.040	ug/L		11/10/20 08:39	11/11/20 13:44	5
trans-Chlordane	ND		0.25	0.055	ug/L		11/10/20 08:39	11/11/20 13:44	5
Heptachlor	ND		0.25	0.043	ug/L		11/10/20 08:39	11/11/20 13:44	5
Heptachlor epoxide	ND		0.25	0.037	ug/L		11/10/20 08:39	11/11/20 13:44	5
Methoxychlor	0.21	J	0.25	0.071	ug/L		11/10/20 08:39	11/11/20 13:44	5
Toxaphene	ND		2.5	0.60	ug/L		11/10/20 08:39	11/11/20 13:44	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		20 - 120	11/10/20 08:39	11/11/20 13:44	5
DCB Decachlorobiphenyl	56		20 - 120	11/10/20 08:39	11/11/20 13:44	5
Tetrachloro-m-xylene	198	X	44 - 120	11/10/20 08:39	11/11/20 13:44	5
Tetrachloro-m-xylene	98		44 - 120	11/10/20 08:39	11/11/20 13:44	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:25	1
PCB-1221	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:25	1
PCB-1232	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:25	1
PCB-1242	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:25	1
PCB-1248	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:25	1
PCB-1254	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:25	1
PCB-1260	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:25	1
PCB-1262	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:25	1
PCB-1268	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	109		39 - 121	11/11/20 09:34	11/13/20 06:25	1
Tetrachloro-m-xylene (Surr)	119		39 - 121	11/11/20 09:34	11/13/20 06:25	1
DCB Decachlorobiphenyl (Surr)	66		19 - 120	11/11/20 09:34	11/13/20 06:25	1
DCB Decachlorobiphenyl (Surr)	72		19 - 120	11/11/20 09:34	11/13/20 06:25	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.5		0.20	0.060	mg/L		11/11/20 08:45	11/11/20 23:14	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 08:45	11/11/20 23:14	1
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 08:45	11/11/20 23:14	1
Barium	0.78	J	0.0020	0.00070	mg/L		11/11/20 08:45	11/11/20 23:14	1
Beryllium	0.00075	J	0.0020	0.00030	mg/L		11/11/20 08:45	11/11/20 23:14	1
Cadmium	ND		0.0020	0.00050	mg/L		11/11/20 08:45	11/11/20 23:14	1
Calcium	365		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 23:14	1
Chromium	0.028		0.0040	0.0010	mg/L		11/11/20 08:45	11/11/20 23:14	1
Cobalt	0.011		0.0040	0.00063	mg/L		11/11/20 08:45	11/11/20 23:14	1
Copper	0.024		0.010	0.0016	mg/L		11/11/20 08:45	11/11/20 23:14	1
Iron	32.8		0.050	0.019	mg/L		11/11/20 08:45	11/11/20 23:14	1

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12/03/2020
SMK 11/24/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177831-1

Client Sample ID: DUP-001

Lab Sample ID: 480-177831-5

Date Collected: 11/04/20 00:00

Matrix: Water

Date Received: 11/05/20 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.038		0.010	0.0030	mg/L		11/11/20 08:45	11/11/20 23:14	1
Magnesium	118		0.20	0.043	mg/L		11/11/20 08:45	11/11/20 23:14	1
Manganese	1.2		0.0030	0.00040	mg/L		11/11/20 08:45	11/11/20 23:14	1
Nickel	0.025		0.010	0.0013	mg/L		11/11/20 08:45	11/11/20 23:14	1
Potassium	12.9		0.50	0.10	mg/L		11/11/20 08:45	11/11/20 23:14	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 08:45	11/11/20 23:14	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 08:45	11/11/20 23:14	1
Sodium	744		1.0	0.32	mg/L		11/11/20 08:45	11/11/20 23:14	1
Thallium	ND		0.020	0.010	mg/L		11/11/20 08:45	11/11/20 23:14	1
Vanadium	0.044		0.0050	0.0015	mg/L		11/11/20 08:45	11/11/20 23:14	1
Zinc	0.098		0.010	0.0015	mg/L		11/11/20 08:45	11/11/20 23:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/20 13:55	11/10/20 17:43	1

SMK
11/24/2021

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Environmental Testing -Test America
Job No: 480-175853-1
Fraction: Organic
Matrix: Aqueous and Solid
Report Date: 1/22/2021

This data usability summary report is based upon a review of analytical data generated for groundwater and DNAPL samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds, semivolatile organic compounds, pesticide compounds, and polychlorinated biphenyls. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

For the volatile and semivolatile fraction determined by Gas Chromatography/Mass Spectrometry, library searches were performed to “tentatively identify” chromatographic peaks whose characteristics did not match those of targeted compounds. Library searches were performed for up to ten volatile and twenty semivolatile extraneous peaks.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II “National Functional Guidelines for Organic Superfund Methods Data Review”, USEPA January 2017. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
X	•	Surrogate Compound Recoveries
	•	Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
	•	Field Duplicate Analysis Results
X	•	Laboratory Control Sample Results
X	•	Internal Standard Performance
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

January 22, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed the following missing items or issues:

Continuing calibration criterion was not met for methoxychlor, heptachlor, and 4, 4'-DDT for standards CCV 480-569484/5 and CCV 480-569484/7. There was no mention in the case narrative.

Continuing calibration criterion was not met for aroclor 1016 for standards CCV 480-558765-1. There was no mention in the case narrative.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

The semivolatile organic compound results for sample MW-100 should be considered biased low quantitative estimates, and may be higher than reported. The sample was extracted 4-days outside of the method 7-day method hold time. Because the sample was extracted outside of the holding time, chemical or biological degradation may have occurred. Positive results for semivolatile organic compounds for the samples have been marked with "J" qualifiers to indicate that they are quantitative estimates. Reporting limits (RLs) have been marked "UJ".

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs ≤ 20 percent) was exceeded for the following volatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect results for these compounds have been marked "UJ" to indicate that they are quantitative estimates.

Calibration Standard	Compound	%Difference	Associated Samples
CCV 480-559861/3 (File ID N7433.D)	1,1,2-Trichloro-1,2,2-trifluoroethane	28.0	MW-100 DNAPL
	Carbon Disulfide	22.1	
	Carbon Tetrachloride	22.3	
	Methylcyclohexane	25.3	

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs ≤ 20 percent) was exceeded for the following semivolatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. Positive results for these compounds have been marked with "J" qualifiers to indicate that they are quantitative estimates. Nondetect results are marked "UJ". Sample MW-100 was qualified previously due to holing times.

Calibration Standard	Analyte	%Difference	Associated Samples
CCV 480-560544/3 (Laboratory ID V3148308.D)	Bis(2-Chloroisopropyl) ether	-44.4	MW-100 DNAPL
	Hexachlorobutadiene	26.4	
CCV 480-559179/3 (Laboratory ID W10010932.D)	4-Nitrophenol	21.0	MW-8R, MW-103, MW-106
CCV 480-560162/3 (Laboratory ID W10011114.D)	Bis(2-Chloroisopropyl) ether	-31.3	MW-100
	Hexachlorobutadiene	21.8	

The continuing calibration precision criterion (the percent difference between initial and continuing relative response factors (RRF) ≤ 15 percent) was exceeded for the following pesticide continuing calibration standard. This indicates a lack of instrument stability for this analyte. Results for the compounds should be considered quantitative estimates. Positive results for these compounds have been marked with "J" qualifiers to indicate that they are quantitative estimates. Nondetect results are marked "UJ".

Calibration Standard	Analyte	%Difference	Associated Samples
CCV 480-569484/5 (File ID 25_40-267.D) (Column ID RTX CLP-I)	Hepatchlor	24.8	MW-8R, MW-106
	4,4'-DDT	28.5	
	Methoxychlor	35.0	
CCV 480-558484/7 (Column ID RTX CLP-II)	Toxaphene 1	34.6	MW-8R, MW-106
	Toxaphene 2	30.1	

Table 2 presents polychlorinated biphenyls calibration standards that exceeded the precision criterion (the percent difference between initial and continuing CFs ≤ 20 percent). This indicates a lack of instrument stability for these analytes. The results for polychlorinated biphenyls for associated samples are considered quantitative estimates. There were no positive results for the analytes. Nondetect results for the samples are marked "UJ" to indicate that they are estimates.

6.0

LABORATORY AND FIELD BLANK ANALYSIS RESULTS

The following pesticide compounds were detected in associated laboratory method blanks.

Blank	Compound	Concentration ($\mu\text{g/L}$)	Associated Samples
MB 480-558262/1-A	4,4'-DDT	0.0291 J	MW-8R, MW-100, MW-103, MW-106
	Endrin Aldehyde	0.0272 J	
	gamma-BHC	0.00893 J	
MB 480-559856/1-A	delta-BHC	0.154 J	MW-100 DNAPL

The blank results were less than the reporting limit. The following positive results reported for these compounds are also less than the RL and require qualification. The possibility of false positive exists for the samples. USEPA protocol requires positive results for uncommon contaminants, that are less than or equal to the associated blank

contamination RL to be considered qualitatively invalid. They have been replaced with the RL and marked "U".

Compound	Qualified Results
gamma-BHC	MW-8R, MW-103

Field and equipment blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 ***SURROGATE COMPOUNDS***

Samples MW-100 and MW-100 DNAPL were analyzed for semivolatile organic compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

Samples MW-100 and MW-100 DNAPL were analyzed for pesticide compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

8.0 ***SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

9.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted for this job number.

10.0**LABORATORY CONTROL SAMPLE RESULTS**

The following table summarizes the semivolatile laboratory control sample (LCS)/ laboratory control sample duplicate (LCSD) results that did not meet the indicated acceptance limits:

Compound	LCS (480-559859/2-A) %REC	LCSD (480-559859/3-A) %REC	QC Limits
Atrazine	133	129	60-127
Benzo(g,h,i) perylene		150	45-145
Dibenz (a,h) anthracene	135	137	54-132
Hexachlorobenzene		127	60-120
Hexachlorobutadiene	124	122	45-120
Indeno (1,2,3-cd) pyrene	136	143	56-124

The high recoveries for the above compounds suggest inefficiencies with the extraction/analytical processes. Sample MW-100 DNAPL is associated with the unacceptable LCS/LCSD. Positive results for the compounds should be considered biased high quantitative estimates, and may be higher than reported. The positive results are marked "J".

11.0**INTERNAL STANDARD PERFORMANCE**

All criteria were met. No qualifiers were applied.

13.0**QUALITATIVE IDENTIFICATION**

All criteria were met. No qualifiers were applied.

14.0**QUANTITATION/REPORTING LIMITS**

The following pesticide compounds were reported by the laboratory at concentrations less than the RL. Poor precision was observed for these compounds on the dual chromatographic columns used for sample analysis (greater than 50 % difference between results). The laboratory for

reporting purposes used the higher concentration for these compounds. The positive pesticide results should be considered non-detected at the quantitation limit. The results have been replaced with the RL and marked "U".

Sample	Affected Compound
MW-100 DNAPL	4,4'-DDT

For the following samples, a lack of precision (greater than 25 % difference between results) was observed for this analyte on the dual chromatographic columns used for sample analysis. The laboratory for reporting purposes used the higher concentration for these compounds. The result has been marked with "J" qualifiers to indicate that it is a quantitative estimate.

Sample	Affected Compound
MW-8R	gamma-BHC
MW-106	gamma-BHC, heptachlor, 4,4'-DDT

Sample MW-100 DNAPL for volatile organic compound analyses was collected in accordance with protocols specified by SW-846 method 5035. The sample was then analyzed for volatile organic compounds according to medium level protocols. The RLs for the nondetect volatile compounds for the sample are elevated by its medium level protocol dilution factor for compounds that were not detected. The elevated RLs should be noted when assessing the data.

The samples presented below were analyzed volatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-8R	1000
MW-100	200
MW-103	20.0
MW-106	20.0
MW-100	100
DNAPL	

The samples presented below were analyzed semivolatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-100	50.0
MW-100	100
DNAPL	

The samples presented below were analyzed pesticide compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-100	100
MW-100 DNAPL	10.0

MW-100 DNAPL was analyzed for polychlorinated biphenyls at a ten-fold dilution. The dilution analysis was performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for the sample.

Sample MW-100 DNAPL was re-analyzed at a 1000-fold dilution for volatile organic compounds. The reanalysis was performed because the response for ethylbenzene exceeded the linear range of the GC/MS instrument for the initial analysis. The affected result was reported from the dilution analysis. All other results have been reported from the initial analysis.

The samples presented below were re-analyzed at dilutions for semivolatile organic compounds. The samples were re-analyzed because the responses for compounds exceeded the linear range of the GC/MS instrument. The results for these compounds have been reported from the dilution analyses. All other results are reported from the initial analyses.

Sample	Dilution Factor	Results Exceeding the Linear Range
MW-8R	200	2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Naphthalene
MW-100	200	2-Methylnaphthalene, Acenaphthene, Phenanthrene
MW-103	5.0	Acenaphthene, Phenanthrene
MW-106	5.0	Acenaphthene, Phenanthrene

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

As required by USEPA protocol, all volatile and semivolatiles TICs have been reported with “J” qualifiers to indicate that they are quantitative estimates. EDQ has reported only those TIC results that have not been determined to be laboratory or field artifacts, and where possible has grouped TIC of similar classification.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Semivolatile Organic Compounds	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Pesticide Compounds	Method 8081B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Polychlorinated Biphenyls	Method 8082A, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 Eurofins Environment Test America Job Number 480-17853-1

Analyses Performed											
Sample ID	Lab ID	Collection Date	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7470A	SW7471B	D1429
MW-8R	480-177853-1	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-100	480-177853-2	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-103	480-177853-3	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-106	480-177853-4	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-100 DNAPL	480-177853-5	11/5/2020	DNAPL	X	X	X	X	X	X	X	X

Table 2 **Polychlorinated Biphenyls Continuing Calibrations Exceeding the Precision Criterion**

Calibration Standard	Analyte		%Difference	Associated Samples
CCV 480-558765/59 File ID 7_83-043.D (GC Column: ZB-5)	Aroclor 1016	1	28.4	MW-8R, MW-100, MW-103, MW-106
	Aroclor 1016	2	23.9	
	Aroclor 1016	3	26.9	
	Aroclor 1016	4	24.2	
	Aroclor 1016	5	28.4	
	Aroclor 1260	1		
	Aroclor 1260	2	25.1	
	Aroclor 1260	3		
	Aroclor 1260	4	23.1	
	Aroclor 1260	5	28.7	
CCV 480-558765/59 File ID 7_83-043.D (GC Column: ZB-35)	Aroclor 1016	1	33.0	MW-8R, MW-100, MW-103, MW-106
	Aroclor 1016	2		
	Aroclor 1016	3		
	Aroclor 1016	4		
	Aroclor 1016	5		
	Aroclor 1260	1	24.7	
	Aroclor 1260	2	26.3	
	Aroclor 1260	3	25.3	
	Aroclor 1260	4	27.0	
	Aroclor 1260	5	25.7	

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Test America
Job No: 480-175853-1
Fraction: Inorganic
Matrix: Aqueous and Solid
Report Date: 1/22/2021

This data usability summary report is based upon a review of analytical data generated for groundwater and DNAPL samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample was analyzed for total metals and specific gravity. Sample analyses were performed in accordance with the procedures outlined in the methods referenced at the end of this report.

All sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II "ICP-AES Data Validation", HW-2a, revision 15, December 2012. The quality control requirements specified in the analysis methods and associated acceptance criteria were also used to evaluate the data. The parameters presented on the following page were evaluated.

-
- X • Data Completeness
 - X • Chain of Custody Documentation/ Sample Receipt
 - X • Holding Times
 - X • Initial and Continuing Calibrations
 - X • ICP Interference Check Sample Results
 - X • Laboratory and Field Blank Analysis Results
 - X • Matrix Spike Recoveries and Reproducibility
 - X • Laboratory Duplicate Analysis Results
 - X • ICP Serial Dilution Results
 - Field Duplicate Analysis Results
 - X • Laboratory Control Sample Results
 - X • Qualitative Identification
 - X • Reporting Limits
-

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

January 22, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no missing items or issues.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INITIAL AND CONTINUING CALIBRATIONS

All criteria were met. No qualifiers were applied.

5.0 ICP INTERFERENCE CHECK SAMPLE RESULTS

Barium was detected in interference check standard (ICS) A 480-559254/8 at a concentration of 0.0071 mg/L, which is greater than twice the reporting limit. Samples MW-8R, MW-100, MW-103, and MW-106 were associated with the unacceptable ICS. The data package case narrative indicated that barium may have been present as an impurity in the standard solution. Barium results for the samples were all significantly greater than RL. Qualification was unnecessary.

6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS

The following inorganic analytes were detected in the laboratory preparation blanks, and/or calibration blanks. The positive blank results were less than their respective reporting limits (RLs). Results for the

associated samples were greater than the RL. Qualification was unnecessary.

Blank	Analyte	Concentration (mg/L)	Associated Samples
MB 480-559736/1-A, mg/Kg	Calcium	3.77 J	MW-100 DNAPL
CCB 480-559258/18	Potassium	0.117 J	MW-8R, MW-100

No field or equipment blanks were submitted for this job number. This should be noted when assessing the data.

7.0 ***MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

All criteria were met. No qualifiers were applied.

8.0 ***LABORATORY DUPLICATE RESULTS***

Laboratory duplicate precision was evaluated using the MS/MSD analysis results as discussed above in Section 7.0, Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility.

9.0 ***ICP SERIAL DILUTION RESULTS***

All criteria were met. No qualifiers were applied.

10.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted with this job number.

11.0 ***LABORATORY CONTROL SAMPLE RESULTS***

All criteria were met. No qualifiers were applied.

12.0 ***QUALITATIVE IDENTIFICATION***

All criteria were met. No qualifiers were applied.

13.0 ***REPORTING LIMITS***

As required by USEPA protocol, all analytes, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Metals	Method 6010C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Mercury	Method 7470B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Specific Gravity	Method D1429-87, ASTM

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 Eurofins Environment Test America Job Number 480-17853-1

Analyses Performed											
Sample ID	Lab ID	Collection Date	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7470A	SW7471B	D1429
MW-8R	480-177853-1	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-100	480-177853-2	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-103	480-177853-3	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-106	480-177853-4	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-100 DNAPL	480-177853-5	11/5/2020	DNAPL	X	X	X	X	X	X	X	X

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-8R

Lab Sample ID: 480-177853-1

Date Collected: 11/05/20 09:25

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1400		1000	820	ug/L			11/11/20 13:25	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			11/11/20 13:25	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			11/11/20 13:25	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			11/11/20 13:25	1000
1,1-Dichloroethane	1400		1000	380	ug/L			11/11/20 13:25	1000
1,1-Dichloroethene	500	J	1000	290	ug/L			11/11/20 13:25	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			11/11/20 13:25	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			11/11/20 13:25	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			11/11/20 13:25	1000
1,2-Dichloroethane	ND		1000	210	ug/L			11/11/20 13:25	1000
1,2-Dichloropropane	ND		1000	720	ug/L			11/11/20 13:25	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			11/11/20 13:25	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			11/11/20 13:25	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			11/11/20 13:25	1000
2-Hexanone	ND		5000	1200	ug/L			11/11/20 13:25	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			11/11/20 13:25	1000
Acetone	ND		10000	3000	ug/L			11/11/20 13:25	1000
Benzene	3000		1000	410	ug/L			11/11/20 13:25	1000
Bromodichloromethane	ND		1000	390	ug/L			11/11/20 13:25	1000
Bromoform	ND		1000	260	ug/L			11/11/20 13:25	1000
Bromomethane	ND		1000	690	ug/L			11/11/20 13:25	1000
Carbon disulfide	ND		1000	190	ug/L			11/11/20 13:25	1000
Carbon tetrachloride	ND		1000	270	ug/L			11/11/20 13:25	1000
Chlorobenzene	ND		1000	750	ug/L			11/11/20 13:25	1000
Dibromochloromethane	ND		1000	320	ug/L			11/11/20 13:25	1000
Chloroethane	ND		1000	320	ug/L			11/11/20 13:25	1000
Chloroform	ND		1000	340	ug/L			11/11/20 13:25	1000
Chloromethane	ND		1000	350	ug/L			11/11/20 13:25	1000
cis-1,2-Dichloroethene	★ 110000 E		1000	810	ug/L			11/11/20 13:25	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			11/11/20 13:25	1000
Cyclohexane	ND		1000	180	ug/L			11/11/20 13:25	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			11/11/20 13:25	1000
Ethylbenzene	2900		1000	740	ug/L			11/11/20 13:25	1000
1,2-Dibromoethane	ND		1000	730	ug/L			11/11/20 13:25	1000
Isopropylbenzene	ND		1000	790	ug/L			11/11/20 13:25	1000
Methyl acetate	ND		2500	1300	ug/L			11/11/20 13:25	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			11/11/20 13:25	1000
Methylcyclohexane	ND		1000	160	ug/L			11/11/20 13:25	1000
Methylene Chloride	ND		1000	440	ug/L			11/11/20 13:25	1000
Styrene	ND		1000	730	ug/L			11/11/20 13:25	1000
Tetrachloroethene	ND		1000	360	ug/L			11/11/20 13:25	1000
Toluene	2100		1000	510	ug/L			11/11/20 13:25	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			11/11/20 13:25	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			11/11/20 13:25	1000
Trichloroethene	ND		1000	460	ug/L			11/11/20 13:25	1000
Trichlorofluoromethane	ND		1000	880	ug/L			11/11/20 13:25	1000
Vinyl chloride	5600		1000	900	ug/L			11/11/20 13:25	1000
Xylenes, Total	2300		2000	660	ug/L			11/11/20 13:25	1000

★ Report from dilution

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-8R

Lab Sample ID: 480-177853-1

Date Collected: 11/05/20 09:25

Matrix: Water

Date Received: 11/06/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 120		11/11/20 13:25	1000
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		11/11/20 13:25	1000
4-Bromofluorobenzene (Surr)	106		73 - 120		11/11/20 13:25	1000
Dibromofluoromethane (Surr)	118		75 - 123		11/11/20 13:25	1000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	1600	ug/L			11/12/20 11:25	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			11/12/20 11:25	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			11/12/20 11:25	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			11/12/20 11:25	2000
1,1-Dichloroethane	1400	J	2000	760	ug/L			11/12/20 11:25	2000
1,1-Dichloroethene	ND		2000	580	ug/L			11/12/20 11:25	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			11/12/20 11:25	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			11/12/20 11:25	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			11/12/20 11:25	2000
1,2-Dichloroethane	ND		2000	420	ug/L			11/12/20 11:25	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			11/12/20 11:25	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			11/12/20 11:25	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			11/12/20 11:25	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			11/12/20 11:25	2000
2-Hexanone	ND		10000	2500	ug/L			11/12/20 11:25	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			11/12/20 11:25	2000
Acetone	ND		20000	6000	ug/L			11/12/20 11:25	2000
Benzene	3000		2000	820	ug/L			11/12/20 11:25	2000
Bromodichloromethane	ND		2000	780	ug/L			11/12/20 11:25	2000
Bromoform	ND		2000	520	ug/L			11/12/20 11:25	2000
Bromomethane	ND		2000	1400	ug/L			11/12/20 11:25	2000
Carbon disulfide	ND		2000	380	ug/L			11/12/20 11:25	2000
Carbon tetrachloride	ND		2000	540	ug/L			11/12/20 11:25	2000
Chlorobenzene	ND		2000	1500	ug/L			11/12/20 11:25	2000
Dibromochloromethane	ND		2000	640	ug/L			11/12/20 11:25	2000
Chloroethane	ND		2000	640	ug/L			11/12/20 11:25	2000
Chloroform	ND		2000	680	ug/L			11/12/20 11:25	2000
Chloromethane	ND		2000	700	ug/L			11/12/20 11:25	2000
cis-1,2-Dichloroethene	100000	★	2000	1600	ug/L			11/12/20 11:25	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			11/12/20 11:25	2000
Cyclohexane	ND		2000	360	ug/L			11/12/20 11:25	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			11/12/20 11:25	2000
Ethylbenzene	3000		2000	1500	ug/L			11/12/20 11:25	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			11/12/20 11:25	2000
Isopropylbenzene	ND		2000	1600	ug/L			11/12/20 11:25	2000
Methyl acetate	ND		5000	2600	ug/L			11/12/20 11:25	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			11/12/20 11:25	2000
Methylcyclohexane	ND		2000	320	ug/L			11/12/20 11:25	2000
Methylene Chloride	ND		2000	880	ug/L			11/12/20 11:25	2000
Styrene	ND		2000	1500	ug/L			11/12/20 11:25	2000
Tetrachloroethene	ND		2000	720	ug/L			11/12/20 11:25	2000
Toluene	2200		2000	1000	ug/L			11/12/20 11:25	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			11/12/20 11:25	2000

Report

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-8R

Lab Sample ID: 480-177853-1

Date Collected: 11/05/20 09:25

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2000	740	ug/L			11/12/20 11:25	2000
Trichloroethene	ND		2000	920	ug/L			11/12/20 11:25	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			11/12/20 11:25	2000
Vinyl chloride	5900		2000	1800	ug/L			11/12/20 11:25	2000
Xylenes, Total	1600	J	4000	1300	ug/L			11/12/20 11:25	2000

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120					11/12/20 11:25	2000
1,2-Dichloroethane-d4 (Surr)	108		77 - 120					11/12/20 11:25	2000
4-Bromofluorobenzene (Surr)	105		73 - 120					11/12/20 11:25	2000
Dibromofluoromethane (Surr)	112		75 - 123					11/12/20 11:25	2000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	74 E		5.0	0.65	ug/L		11/11/20 15:04	11/15/20 21:31	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/11/20 15:04	11/15/20 21:31	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/11/20 15:04	11/15/20 21:31	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/11/20 15:04	11/15/20 21:31	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 21:31	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/11/20 15:04	11/15/20 21:31	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 21:31	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 21:31	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 21:31	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/11/20 15:04	11/15/20 21:31	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/11/20 15:04	11/15/20 21:31	1
2-Methylphenol	4.2	J	5.0	0.40	ug/L		11/11/20 15:04	11/15/20 21:31	1
2-Methylnaphthalene	760 E		5.0	0.60	ug/L		11/11/20 15:04	11/15/20 21:31	1
2-Nitroaniline	ND		10	0.42	ug/L		11/11/20 15:04	11/15/20 21:31	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/11/20 15:04	11/15/20 21:31	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 21:31	1
3-Nitroaniline	ND		10	0.48	ug/L		11/11/20 15:04	11/15/20 21:31	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 21:31	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 21:31	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 21:31	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 21:31	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 21:31	1
4-Methylphenol	0.74	J	10	0.36	ug/L		11/11/20 15:04	11/15/20 21:31	1
4-Nitroaniline	ND		10	0.25	ug/L		11/11/20 15:04	11/15/20 21:31	1
4-Nitrophenol	1.5 E		10	1.5	ug/L		11/11/20 15:04	11/15/20 21:31	1
Acenaphthene	66 E		5.0	0.41	ug/L		11/11/20 15:04	11/15/20 21:31	1
Acenaphthylene	170 E		5.0	0.38	ug/L		11/11/20 15:04	11/15/20 21:31	1
Acetophenone	5.3		5.0	0.54	ug/L		11/11/20 15:04	11/15/20 21:31	1
Anthracene	10		5.0	0.28	ug/L		11/11/20 15:04	11/15/20 21:31	1
Atrazine	ND		5.0	0.46	ug/L		11/11/20 15:04	11/15/20 21:31	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/11/20 15:04	11/15/20 21:31	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 21:31	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 21:31	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/11/20 15:04	11/15/20 21:31	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 21:31	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/11/20 15:04	11/15/20 21:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-8R

Lab Sample ID: 480-177853-1

Date Collected: 11/05/20 09:25

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 21:31	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 21:31	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/11/20 15:04	11/15/20 21:31	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/11/20 15:04	11/15/20 21:31	1
Caprolactam	ND		5.0	2.2	ug/L		11/11/20 15:04	11/15/20 21:31	1
Carbazole	8.8		5.0	0.30	ug/L		11/11/20 15:04	11/15/20 21:31	1
Chrysene	ND		5.0	0.33	ug/L		11/11/20 15:04	11/15/20 21:31	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/11/20 15:04	11/15/20 21:31	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/11/20 15:04	11/15/20 21:31	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 21:31	1
Dibenzofuran	14		10	0.51	ug/L		11/11/20 15:04	11/15/20 21:31	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/11/20 15:04	11/15/20 21:31	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 21:31	1
Fluoranthene	3.2 J		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 21:31	1
Fluorene	52		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 21:31	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 21:31	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/11/20 15:04	11/15/20 21:31	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 21:31	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 21:31	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 21:31	1
Isophorone	ND		5.0	0.43	ug/L		11/11/20 15:04	11/15/20 21:31	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/11/20 15:04	11/15/20 21:31	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 21:31	1
Naphthalene	1200 E		5.0	0.76	ug/L		11/11/20 15:04	11/15/20 21:31	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/11/20 15:04	11/15/20 21:31	1
Pentachlorophenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 21:31	1
Phenanthrene	58		5.0	0.44	ug/L		11/11/20 15:04	11/15/20 21:31	1
Phenol	15		5.0	0.39	ug/L		11/11/20 15:04	11/15/20 21:31	1
Pyrene	5.3		5.0	0.34	ug/L		11/11/20 15:04	11/15/20 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	145	X	46 - 120	11/11/20 15:04	11/15/20 21:31	1
Phenol-d5 (Surr)	50		22 - 120	11/11/20 15:04	11/15/20 21:31	1
p-Terphenyl-d14 (Surr)	67		60 - 148	11/11/20 15:04	11/15/20 21:31	1
2,4,6-Tribromophenol (Surr)	102		41 - 120	11/11/20 15:04	11/15/20 21:31	1
2-Fluorobiphenyl (Surr)	90		48 - 120	11/11/20 15:04	11/15/20 21:31	1
2-Fluorophenol (Surr)	55		35 - 120	11/11/20 15:04	11/15/20 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1000	130	ug/L		11/11/20 15:04	11/23/20 22:59	200
bis (2-chloroisopropyl) ether	ND		1000	100	ug/L		11/11/20 15:04	11/23/20 22:59	200
2,4,5-Trichlorophenol	ND		1000	96	ug/L		11/11/20 15:04	11/23/20 22:59	200
2,4,6-Trichlorophenol	ND		1000	120	ug/L		11/11/20 15:04	11/23/20 22:59	200
2,4-Dichlorophenol	ND		1000	100	ug/L		11/11/20 15:04	11/23/20 22:59	200
2,4-Dimethylphenol	ND		1000	100	ug/L		11/11/20 15:04	11/23/20 22:59	200
2,4-Dinitrophenol	ND		2000	440	ug/L		11/11/20 15:04	11/23/20 22:59	200
2,4-Dinitrotoluene	ND		1000	89	ug/L		11/11/20 15:04	11/23/20 22:59	200
2,6-Dinitrotoluene	ND		1000	80	ug/L		11/11/20 15:04	11/23/20 22:59	200
2-Chloronaphthalene	ND		1000	92	ug/L		11/11/20 15:04	11/23/20 22:59	200

Report from
alution

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-8R

Lab Sample ID: 480-177853-1

Date Collected: 11/05/20 09:25

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		1000	110	ug/L		11/11/20 15:04	11/23/20 22:59	200
2-Methylphenol	ND		1000	80	ug/L		11/11/20 15:04	11/23/20 22:59	200
2-Methylnaphthalene	880	J	1000	120	ug/L		11/11/20 15:04	11/23/20 22:59	200
2-Nitroaniline	ND		2000	84	ug/L		11/11/20 15:04	11/23/20 22:59	200
2-Nitrophenol	ND		1000	96	ug/L		11/11/20 15:04	11/23/20 22:59	200
3,3'-Dichlorobenzidine	ND		1000	80	ug/L		11/11/20 15:04	11/23/20 22:59	200
3-Nitroaniline	ND		2000	96	ug/L		11/11/20 15:04	11/23/20 22:59	200
4,6-Dinitro-2-methylphenol	ND		2000	440	ug/L		11/11/20 15:04	11/23/20 22:59	200
4-Bromophenyl phenyl ether	ND		1000	90	ug/L		11/11/20 15:04	11/23/20 22:59	200
4-Chloro-3-methylphenol	ND		1000	90	ug/L		11/11/20 15:04	11/23/20 22:59	200
4-Chloroaniline	ND		1000	120	ug/L		11/11/20 15:04	11/23/20 22:59	200
4-Chlorophenyl phenyl ether	ND		1000	70	ug/L		11/11/20 15:04	11/23/20 22:59	200
4-Methylphenol	ND		2000	72	ug/L		11/11/20 15:04	11/23/20 22:59	200
4-Nitroaniline	ND		2000	50	ug/L		11/11/20 15:04	11/23/20 22:59	200
4-Nitrophenol	ND		2000	300	ug/L		11/11/20 15:04	11/23/20 22:59	200
Acenaphthene	ND		1000	82	ug/L		11/11/20 15:04	11/23/20 22:59	200
Acenaphthylene	170	J	1000	76	ug/L		11/11/20 15:04	11/23/20 22:59	200
Acetophenone	ND		1000	110	ug/L		11/11/20 15:04	11/23/20 22:59	200
Anthracene	ND		1000	56	ug/L		11/11/20 15:04	11/23/20 22:59	200
Atrazine	ND		1000	92	ug/L		11/11/20 15:04	11/23/20 22:59	200
Benzaldehyde	ND		1000	53	ug/L		11/11/20 15:04	11/23/20 22:59	200
Benzo[a]anthracene	ND		1000	72	ug/L		11/11/20 15:04	11/23/20 22:59	200
Benzo[a]pyrene	ND		1000	94	ug/L		11/11/20 15:04	11/23/20 22:59	200
Benzo[b]fluoranthene	ND		1000	68	ug/L		11/11/20 15:04	11/23/20 22:59	200
Benzo[g,h,i]perylene	ND		1000	70	ug/L		11/11/20 15:04	11/23/20 22:59	200
Benzo[k]fluoranthene	ND		1000	150	ug/L		11/11/20 15:04	11/23/20 22:59	200
Bis(2-chloroethoxy)methane	ND		1000	70	ug/L		11/11/20 15:04	11/23/20 22:59	200
Bis(2-chloroethyl)ether	ND		1000	80	ug/L		11/11/20 15:04	11/23/20 22:59	200
Bis(2-ethylhexyl) phthalate	ND		1000	440	ug/L		11/11/20 15:04	11/23/20 22:59	200
Butyl benzyl phthalate	ND		1000	200	ug/L		11/11/20 15:04	11/23/20 22:59	200
Caprolactam	ND		1000	440	ug/L		11/11/20 15:04	11/23/20 22:59	200
Carbazole	ND		1000	60	ug/L		11/11/20 15:04	11/23/20 22:59	200
Chrysene	ND		1000	66	ug/L		11/11/20 15:04	11/23/20 22:59	200
Dibenz(a,h)anthracene	ND		1000	84	ug/L		11/11/20 15:04	11/23/20 22:59	200
Di-n-butyl phthalate	ND		1000	62	ug/L		11/11/20 15:04	11/23/20 22:59	200
Di-n-octyl phthalate	ND		1000	94	ug/L		11/11/20 15:04	11/23/20 22:59	200
Dibenzofuran	ND		2000	100	ug/L		11/11/20 15:04	11/23/20 22:59	200
Diethyl phthalate	ND		1000	44	ug/L		11/11/20 15:04	11/23/20 22:59	200
Dimethyl phthalate	ND		1000	72	ug/L		11/11/20 15:04	11/23/20 22:59	200
Fluoranthene	ND		1000	80	ug/L		11/11/20 15:04	11/23/20 22:59	200
Fluorene	ND		1000	72	ug/L		11/11/20 15:04	11/23/20 22:59	200
Hexachlorobenzene	ND		1000	100	ug/L		11/11/20 15:04	11/23/20 22:59	200
Hexachlorobutadiene	ND		1000	140	ug/L		11/11/20 15:04	11/23/20 22:59	200
Hexachlorocyclopentadiene	ND		1000	120	ug/L		11/11/20 15:04	11/23/20 22:59	200
Hexachloroethane	ND		1000	120	ug/L		11/11/20 15:04	11/23/20 22:59	200
Indeno[1,2,3-cd]pyrene	ND		1000	94	ug/L		11/11/20 15:04	11/23/20 22:59	200
Isophorone	ND		1000	86	ug/L		11/11/20 15:04	11/23/20 22:59	200
N-Nitrosodi-n-propylamine	ND		1000	110	ug/L		11/11/20 15:04	11/23/20 22:59	200
N-Nitrosodiphenylamine	ND		1000	100	ug/L		11/11/20 15:04	11/23/20 22:59	200

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-8R

Lab Sample ID: 480-177853-1

Date Collected: 11/05/20 09:25

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	5700		1000	150	ug/L		11/11/20 15:04	11/23/20 22:59	200
Nitrobenzene	ND		1000	58	ug/L		11/11/20 15:04	11/23/20 22:59	200
Pentachlorophenol	ND		2000	440	ug/L		11/11/20 15:04	11/23/20 22:59	200
Phenanthrene	ND		1000	88	ug/L		11/11/20 15:04	11/23/20 22:59	200
Phenol	ND		1000	78	ug/L		11/11/20 15:04	11/23/20 22:59	200
Pyrene	ND		1000	68	ug/L		11/11/20 15:04	11/23/20 22:59	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	X	46 - 120	11/11/20 15:04	11/23/20 22:59	200
Phenol-d5 (Surr)	0	X	22 - 120	11/11/20 15:04	11/23/20 22:59	200
p-Terphenyl-d14 (Surr)	0	X	60 - 148	11/11/20 15:04	11/23/20 22:59	200
2,4,6-Tribromophenol (Surr)	0	X	41 - 120	11/11/20 15:04	11/23/20 22:59	200
2-Fluorobiphenyl (Surr)	70		48 - 120	11/11/20 15:04	11/23/20 22:59	200
2-Fluorophenol (Surr)	0	X	35 - 120	11/11/20 15:04	11/23/20 22:59	200

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.021	J	0.050	0.0092	ug/L		11/10/20 08:39	11/11/20 15:02	1
4,4'-DDE	ND		0.050	0.012	ug/L		11/10/20 08:39	11/11/20 15:02	1
4,4'-DDT	ND		0.050	0.011	ug/L		11/10/20 08:39	11/11/20 15:02	CL4
Aldrin	0.098		0.050	0.0081	ug/L		11/10/20 08:39	11/11/20 15:02	1
alpha-BHC	0.14		0.050	0.0077	ug/L		11/10/20 08:39	11/11/20 15:02	1
cis-Chlordane	ND		0.050	0.015	ug/L		11/10/20 08:39	11/11/20 15:02	1
beta-BHC	ND		0.050	0.025	ug/L		11/10/20 08:39	11/11/20 15:02	1
delta-BHC	0.022	J	0.050	0.010	ug/L		11/10/20 08:39	11/11/20 15:02	1
Dieldrin	ND		0.050	0.0098	ug/L		11/10/20 08:39	11/11/20 15:02	1
Endosulfan I	ND		0.050	0.011	ug/L		11/10/20 08:39	11/11/20 15:02	1
Endosulfan II	ND		0.050	0.012	ug/L		11/10/20 08:39	11/11/20 15:02	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		11/10/20 08:39	11/11/20 15:02	1
Endrin	ND		0.050	0.014	ug/L		11/10/20 08:39	11/11/20 15:02	1
Endrin aldehyde	ND		0.050	0.016	ug/L		11/10/20 08:39	11/11/20 15:02	1
Endrin ketone	ND		0.050	0.012	ug/L		11/10/20 08:39	11/11/20 15:02	1
gamma-BHC (Lindane)	0.05	0.015 J B U	0.050	0.0080	ug/L		11/10/20 08:39	11/11/20 15:02	MR1
trans-Chlordane	ND		0.050	0.011	ug/L		11/10/20 08:39	11/11/20 15:02	1
Heptachlor	ND		0.050	0.0085	ug/L		11/10/20 08:39	11/11/20 15:02	CL4
Heptachlor epoxide	ND		0.050	0.0074	ug/L		11/10/20 08:39	11/11/20 15:02	1
Methoxychlor	0.045	J	0.050	0.014	ug/L		11/10/20 08:39	11/11/20 15:02	CL4
Toxaphene	ND		0.50	0.12	ug/L		11/10/20 08:39	11/11/20 15:02	CL1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		20 - 120	11/10/20 08:39	11/11/20 15:02	1
DCB Decachlorobiphenyl	57		20 - 120	11/10/20 08:39	11/11/20 15:02	1
Tetrachloro-m-xylene	160	X	44 - 120	11/10/20 08:39	11/11/20 15:02	1
Tetrachloro-m-xylene	73		44 - 120	11/10/20 08:39	11/11/20 15:02	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:41	CL1
PCB-1221	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:41	1
PCB-1232	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-8R

Lab Sample ID: 480-177853-1

Date Collected: 11/05/20 09:25

Matrix: Water

Date Received: 11/06/20 11:30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:41	1
PCB-1248	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:41	1
PCB-1254	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:41	1
PCB-1260	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:41	1
PCB-1262	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:41	1
PCB-1268	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	105		39 - 121	11/11/20 09:34	11/13/20 06:41	1
Tetrachloro-m-xylene (Surr)	120		39 - 121	11/11/20 09:34	11/13/20 06:41	1
DCB Decachlorobiphenyl (Surr)	64		19 - 120	11/11/20 09:34	11/13/20 06:41	1
DCB Decachlorobiphenyl (Surr)	70		19 - 120	11/11/20 09:34	11/13/20 06:41	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.066	J	0.20	0.060	mg/L		11/11/20 12:42	11/13/20 18:34	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 12:42	11/13/20 18:34	1
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 12:42	11/13/20 18:34	1
Barium	0.51		0.0020	0.00070	mg/L		11/11/20 12:42	11/13/20 18:34	1
Beryllium	ND		0.0020	0.00030	mg/L		11/11/20 12:42	11/13/20 18:34	1
Cadmium	ND		0.0020	0.00050	mg/L		11/11/20 12:42	11/13/20 18:34	1
Calcium	310		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 18:34	1
Chromium	ND		0.0040	0.0010	mg/L		11/11/20 12:42	11/13/20 18:34	1
Cobalt	ND		0.0040	0.00063	mg/L		11/11/20 12:42	11/13/20 18:34	1
Copper	ND		0.010	0.0016	mg/L		11/11/20 12:42	11/13/20 18:34	1
Iron	4.3		0.050	0.019	mg/L		11/11/20 12:42	11/13/20 18:34	1
Lead	0.0053	J	0.010	0.0030	mg/L		11/11/20 12:42	11/13/20 18:34	1
Magnesium	82.4		0.20	0.043	mg/L		11/11/20 12:42	11/13/20 18:34	1
Manganese	0.69		0.0030	0.00040	mg/L		11/11/20 12:42	11/13/20 18:34	1
Nickel	ND		0.010	0.0013	mg/L		11/11/20 12:42	11/13/20 18:34	1
Potassium	7.3		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 18:34	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 12:42	11/13/20 18:34	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 12:42	11/13/20 18:34	1
Sodium	623		1.0	0.32	mg/L		11/11/20 12:42	11/13/20 18:34	1
Thallium	ND		0.020	0.010	mg/L		11/11/20 12:42	11/13/20 18:34	1
Vanadium	ND		0.0050	0.0015	mg/L		11/11/20 12:42	11/13/20 18:34	1
Zinc	0.0019	J	0.010	0.0015	mg/L		11/11/20 12:42	11/13/20 18:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/16/20 13:25	11/16/20 16:50	1

Client Sample ID: MW-100

Lab Sample ID: 480-177853-2

Date Collected: 11/05/20 11:35

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			11/11/20 13:49	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			11/11/20 13:49	200
1,1,2-Trichloroethane	ND		200	46	ug/L			11/11/20 13:49	200

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100

Lab Sample ID: 480-177853-2

Date Collected: 11/05/20 11:35

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			11/11/20 13:49	200
1,1-Dichloroethane	ND		200	76	ug/L			11/11/20 13:49	200
1,1-Dichloroethene	ND		200	58	ug/L			11/11/20 13:49	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			11/11/20 13:49	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			11/11/20 13:49	200
1,2-Dichlorobenzene	ND		200	160	ug/L			11/11/20 13:49	200
1,2-Dichloroethane	ND		200	42	ug/L			11/11/20 13:49	200
1,2-Dichloropropane	ND		200	140	ug/L			11/11/20 13:49	200
1,3-Dichlorobenzene	ND		200	160	ug/L			11/11/20 13:49	200
1,4-Dichlorobenzene	ND		200	170	ug/L			11/11/20 13:49	200
2-Butanone (MEK)	ND		2000	260	ug/L			11/11/20 13:49	200
2-Hexanone	ND		1000	250	ug/L			11/11/20 13:49	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			11/11/20 13:49	200
Acetone	ND		2000	600	ug/L			11/11/20 13:49	200
Benzene	11000		200	82	ug/L			11/11/20 13:49	200
Bromodichloromethane	ND		200	78	ug/L			11/11/20 13:49	200
Bromoform	ND		200	52	ug/L			11/11/20 13:49	200
Bromomethane	ND		200	140	ug/L			11/11/20 13:49	200
Carbon disulfide	ND		200	38	ug/L			11/11/20 13:49	200
Carbon tetrachloride	ND		200	54	ug/L			11/11/20 13:49	200
Chlorobenzene	ND		200	150	ug/L			11/11/20 13:49	200
Dibromochloromethane	ND		200	64	ug/L			11/11/20 13:49	200
Chloroethane	ND		200	64	ug/L			11/11/20 13:49	200
Chloroform	ND		200	68	ug/L			11/11/20 13:49	200
Chloromethane	ND		200	70	ug/L			11/11/20 13:49	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			11/11/20 13:49	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			11/11/20 13:49	200
Cyclohexane	ND		200	36	ug/L			11/11/20 13:49	200
Dichlorodifluoromethane	ND		200	140	ug/L			11/11/20 13:49	200
Ethylbenzene	5100		200	150	ug/L			11/11/20 13:49	200
1,2-Dibromoethane	ND		200	150	ug/L			11/11/20 13:49	200
Isopropylbenzene	ND		200	160	ug/L			11/11/20 13:49	200
Methyl acetate	ND		500	260	ug/L			11/11/20 13:49	200
Methyl tert-butyl ether	ND		200	32	ug/L			11/11/20 13:49	200
Methylcyclohexane	ND		200	32	ug/L			11/11/20 13:49	200
Methylene Chloride	ND		200	88	ug/L			11/11/20 13:49	200
Styrene	220		200	150	ug/L			11/11/20 13:49	200
Tetrachloroethene	ND		200	72	ug/L			11/11/20 13:49	200
Toluene	4000		200	100	ug/L			11/11/20 13:49	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			11/11/20 13:49	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			11/11/20 13:49	200
Trichloroethene	ND		200	92	ug/L			11/11/20 13:49	200
Trichlorofluoromethane	ND		200	180	ug/L			11/11/20 13:49	200
Vinyl chloride	ND		200	180	ug/L			11/11/20 13:49	200
Xylenes, Total	3200		400	130	ug/L			11/11/20 13:49	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		11/11/20 13:49	200
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		11/11/20 13:49	200
4-Bromofluorobenzene (Surr)	106		73 - 120		11/11/20 13:49	200

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100

Lab Sample ID: 480-177853-2

Date Collected: 11/05/20 11:35

Matrix: Water

Date Received: 11/06/20 11:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	116		75 - 123		11/11/20 13:49	200

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	340	H J	250	33	ug/L		11/16/20 15:00	11/20/20 17:42	50
bis (2-chloroisopropyl) ether	ND	H UJ	250	26	ug/L		11/16/20 15:00	11/20/20 17:42	50
2,4,5-Trichlorophenol	ND	H	250	24	ug/L		11/16/20 15:00	11/20/20 17:42	50
2,4,6-Trichlorophenol	ND	H	250	31	ug/L		11/16/20 15:00	11/20/20 17:42	50
2,4-Dichlorophenol	ND	H	250	26	ug/L		11/16/20 15:00	11/20/20 17:42	50
2,4-Dimethylphenol	26	J H	250	25	ug/L		11/16/20 15:00	11/20/20 17:42	50
2,4-Dinitrophenol	ND	H UJ	500	110	ug/L		11/16/20 15:00	11/20/20 17:42	50
2,4-Dinitrotoluene	ND	H	250	22	ug/L		11/16/20 15:00	11/20/20 17:42	50
2,6-Dinitrotoluene	ND	H	250	20	ug/L		11/16/20 15:00	11/20/20 17:42	50
2-Chloronaphthalene	ND	H	250	23	ug/L		11/16/20 15:00	11/20/20 17:42	50
2-Chlorophenol	ND	H	250	27	ug/L		11/16/20 15:00	11/20/20 17:42	50
2-Methylphenol	ND	H	250	20	ug/L		11/16/20 15:00	11/20/20 17:42	50
2-Methylnaphthalene	3000	H J	250	30	ug/L		11/16/20 15:00	11/20/20 17:42	50
2-Nitroaniline	ND	H UJ	500	21	ug/L		11/16/20 15:00	11/20/20 17:42	50
2-Nitrophenol	ND	H	250	24	ug/L		11/16/20 15:00	11/20/20 17:42	50
3,3'-Dichlorobenzidine	ND	H	250	20	ug/L		11/16/20 15:00	11/20/20 17:42	50
3-Nitroaniline	ND	H	500	24	ug/L		11/16/20 15:00	11/20/20 17:42	50
4,6-Dinitro-2-methylphenol	ND	H	500	110	ug/L		11/16/20 15:00	11/20/20 17:42	50
4-Bromophenyl phenyl ether	ND	H	250	23	ug/L		11/16/20 15:00	11/20/20 17:42	50
4-Chloro-3-methylphenol	ND	H	250	23	ug/L		11/16/20 15:00	11/20/20 17:42	50
4-Chloroaniline	ND	H	250	30	ug/L		11/16/20 15:00	11/20/20 17:42	50
4-Chlorophenyl phenyl ether	ND	H	250	18	ug/L		11/16/20 15:00	11/20/20 17:42	50
4-Methylphenol	ND	H	500	18	ug/L		11/16/20 15:00	11/20/20 17:42	50
4-Nitroaniline	ND	H	500	13	ug/L		11/16/20 15:00	11/20/20 17:42	50
4-Nitrophenol	ND	H	500	76	ug/L		11/16/20 15:00	11/20/20 17:42	50
Acenaphthene	340	H J	250	21	ug/L		11/16/20 15:00	11/20/20 17:42	50
Acenaphthylene	770	H J	250	19	ug/L		11/16/20 15:00	11/20/20 17:42	50
Acetophenone	ND	H UJ	250	27	ug/L		11/16/20 15:00	11/20/20 17:42	50
Anthracene	330	H J	250	14	ug/L		11/16/20 15:00	11/20/20 17:42	50
Atrazine	ND	H UJ	250	23	ug/L		11/16/20 15:00	11/20/20 17:42	50
Benzaldehyde	ND	H UJ	250	13	ug/L		11/16/20 15:00	11/20/20 17:42	50
Benzo[a]anthracene	170	J H	250	18	ug/L		11/16/20 15:00	11/20/20 17:42	50
Benzo[a]pyrene	200	J H	250	24	ug/L		11/16/20 15:00	11/20/20 17:42	50
Benzo[b]fluoranthene	110	J H	250	17	ug/L		11/16/20 15:00	11/20/20 17:42	50
Benzo[g,h,i]perylene	84	J H	250	18	ug/L		11/16/20 15:00	11/20/20 17:42	50
Benzo[k]fluoranthene	48	J H	250	37	ug/L		11/16/20 15:00	11/20/20 17:42	50
Bis(2-chloroethoxy)methane	ND	H UJ	250	18	ug/L		11/16/20 15:00	11/20/20 17:42	50
Bis(2-chloroethyl)ether	ND	H	250	20	ug/L		11/16/20 15:00	11/20/20 17:42	50
Bis(2-ethylhexyl) phthalate	ND	H	250	110	ug/L		11/16/20 15:00	11/20/20 17:42	50
Butyl benzyl phthalate	ND	H	250	50	ug/L		11/16/20 15:00	11/20/20 17:42	50
Caprolactam	ND	H	250	110	ug/L		11/16/20 15:00	11/20/20 17:42	50
Carbazole	16	J H	250	15	ug/L		11/16/20 15:00	11/20/20 17:42	50
Chrysene	140	J H	250	17	ug/L		11/16/20 15:00	11/20/20 17:42	50
Dibenz(a,h)anthracene	24	J H	250	21	ug/L		11/16/20 15:00	11/20/20 17:42	50
Di-n-butyl phthalate	ND	H UJ	250	16	ug/L		11/16/20 15:00	11/20/20 17:42	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100

Lab Sample ID: 480-177853-2

Date Collected: 11/05/20 11:35

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND	A	250	24	ug/L		11/16/20 15:00	11/20/20 17:42	50
Dibenzofuran	76	J H	500	26	ug/L		11/16/20 15:00	11/20/20 17:42	50
Diethyl phthalate	ND	A	250	11	ug/L		11/16/20 15:00	11/20/20 17:42	50
Dimethyl phthalate	ND	A	250	18	ug/L		11/16/20 15:00	11/20/20 17:42	50
Fluoranthene	330	J H	250	20	ug/L		11/16/20 15:00	11/20/20 17:42	50
Fluorene	400	J H	250	18	ug/L		11/16/20 15:00	11/20/20 17:42	50
Hexachlorobenzene	ND	A	250	26	ug/L		11/16/20 15:00	11/20/20 17:42	50
Hexachlorobutadiene	ND	A	250	34	ug/L		11/16/20 15:00	11/20/20 17:42	50
Hexachlorocyclopentadiene	ND	A	250	30	ug/L		11/16/20 15:00	11/20/20 17:42	50
Hexachloroethane	ND	A	250	30	ug/L		11/16/20 15:00	11/20/20 17:42	50
Indeno[1,2,3-cd]pyrene	57	J H	250	24	ug/L		11/16/20 15:00	11/20/20 17:42	50
Isophorone	ND	A	250	22	ug/L		11/16/20 15:00	11/20/20 17:42	50
N-Nitrosodi-n-propylamine	ND	A	250	27	ug/L		11/16/20 15:00	11/20/20 17:42	50
N-Nitrosodiphenylamine	ND	A	250	26	ug/L		11/16/20 15:00	11/20/20 17:42	50
Naphthalene	8300	H E	250	38	ug/L		11/16/20 15:00	11/20/20 17:42	50
Nitrobenzene	ND	A	250	15	ug/L		11/16/20 15:00	11/20/20 17:42	50
Pentachlorophenol	ND	A	500	110	ug/L		11/16/20 15:00	11/20/20 17:42	50
Phenanthrene	1200	J H	250	22	ug/L		11/16/20 15:00	11/20/20 17:42	50
Phenol	39	J H	250	20	ug/L		11/16/20 15:00	11/20/20 17:42	50
Pyrene	620	J H	250	17	ug/L		11/16/20 15:00	11/20/20 17:42	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	156	X	46 - 120	11/16/20 15:00	11/20/20 17:42	50
Phenol-d5 (Surr)	0	X	22 - 120	11/16/20 15:00	11/20/20 17:42	50
p-Terphenyl-d14 (Surr)	70		60 - 148	11/16/20 15:00	11/20/20 17:42	50
2,4,6-Tribromophenol (Surr)	0	X	41 - 120	11/16/20 15:00	11/20/20 17:42	50
2-Fluorobiphenyl (Surr)	100		48 - 120	11/16/20 15:00	11/20/20 17:42	50
2-Fluorophenol (Surr)	0	X	35 - 120	11/16/20 15:00	11/20/20 17:42	50

Report from dilution

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	360	J H	1000	130	ug/L		11/16/20 15:00	11/23/20 19:11	200
bis (2-chloroisopropyl) ether	ND	H	1000	100	ug/L		11/16/20 15:00	11/23/20 19:11	200
2,4,5-Trichlorophenol	ND	H	1000	96	ug/L		11/16/20 15:00	11/23/20 19:11	200
2,4,6-Trichlorophenol	ND	H	1000	120	ug/L		11/16/20 15:00	11/23/20 19:11	200
2,4-Dichlorophenol	ND	H	1000	100	ug/L		11/16/20 15:00	11/23/20 19:11	200
2,4-Dimethylphenol	ND	H	1000	100	ug/L		11/16/20 15:00	11/23/20 19:11	200
2,4-Dinitrophenol	ND	H	2000	440	ug/L		11/16/20 15:00	11/23/20 19:11	200
2,4-Dinitrotoluene	ND	H	1000	89	ug/L		11/16/20 15:00	11/23/20 19:11	200
2,6-Dinitrotoluene	ND	H	1000	80	ug/L		11/16/20 15:00	11/23/20 19:11	200
2-Chloronaphthalene	ND	H	1000	92	ug/L		11/16/20 15:00	11/23/20 19:11	200
2-Chlorophenol	ND	H	1000	110	ug/L		11/16/20 15:00	11/23/20 19:11	200
2-Methylphenol	ND	H	1000	80	ug/L		11/16/20 15:00	11/23/20 19:11	200
2-Methylnaphthalene	3400	H	1000	120	ug/L		11/16/20 15:00	11/23/20 19:11	200
2-Nitroaniline	ND	H	2000	84	ug/L		11/16/20 15:00	11/23/20 19:11	200
2-Nitrophenol	ND	H	1000	96	ug/L		11/16/20 15:00	11/23/20 19:11	200
3,3'-Dichlorobenzidine	ND	H	1000	80	ug/L		11/16/20 15:00	11/23/20 19:11	200
3-Nitroaniline	ND	H	2000	96	ug/L		11/16/20 15:00	11/23/20 19:11	200
4,6-Dinitro-2-methylphenol	ND	H	2000	440	ug/L		11/16/20 15:00	11/23/20 19:11	200
4-Bromophenyl phenyl ether	ND	H	1000	90	ug/L		11/16/20 15:00	11/23/20 19:11	200

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100

Lab Sample ID: 480-177853-2

Date Collected: 11/05/20 11:35

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND	H	1000	90	ug/L		11/16/20 15:00	11/23/20 19:11	200
4-Chloroaniline	ND	H	1000	120	ug/L		11/16/20 15:00	11/23/20 19:11	200
4-Chlorophenyl phenyl ether	ND	H	1000	70	ug/L		11/16/20 15:00	11/23/20 19:11	200
4-Methylphenol	ND	H	2000	72	ug/L		11/16/20 15:00	11/23/20 19:11	200
4-Nitroaniline	ND	H	2000	50	ug/L		11/16/20 15:00	11/23/20 19:11	200
4-Nitrophenol	ND	H	2000	300	ug/L		11/16/20 15:00	11/23/20 19:11	200
Acenaphthene	360	J H	1000	82	ug/L		11/16/20 15:00	11/23/20 19:11	200
Acenaphthylene	830	J H	1000	76	ug/L		11/16/20 15:00	11/23/20 19:11	200
Acetophenone	ND	H	1000	110	ug/L		11/16/20 15:00	11/23/20 19:11	200
Anthracene	330	J H	1000	56	ug/L		11/16/20 15:00	11/23/20 19:11	200
Atrazine	ND	H	1000	92	ug/L		11/16/20 15:00	11/23/20 19:11	200
Benzaldehyde	ND	H	1000	53	ug/L		11/16/20 15:00	11/23/20 19:11	200
Benzo[a]anthracene	ND	H	1000	72	ug/L		11/16/20 15:00	11/23/20 19:11	200
Benzo[a]pyrene	230	J H	1000	94	ug/L		11/16/20 15:00	11/23/20 19:11	200
Benzo[b]fluoranthene	130	J H	1000	68	ug/L		11/16/20 15:00	11/23/20 19:11	200
Benzo[g,h,i]perylene	110	J H	1000	70	ug/L		11/16/20 15:00	11/23/20 19:11	200
Benzo[k]fluoranthene	ND	H	1000	150	ug/L		11/16/20 15:00	11/23/20 19:11	200
Bis(2-chloroethoxy)methane	ND	H	1000	70	ug/L		11/16/20 15:00	11/23/20 19:11	200
Bis(2-chloroethyl)ether	ND	H	1000	80	ug/L		11/16/20 15:00	11/23/20 19:11	200
Bis(2-ethylhexyl) phthalate	ND	H	1000	440	ug/L		11/16/20 15:00	11/23/20 19:11	200
Butyl benzyl phthalate	ND	H	1000	200	ug/L		11/16/20 15:00	11/23/20 19:11	200
Caprolactam	ND	H	1000	440	ug/L		11/16/20 15:00	11/23/20 19:11	200
Carbazole	ND	H	1000	60	ug/L		11/16/20 15:00	11/23/20 19:11	200
Chrysene	170	J H	1000	66	ug/L		11/16/20 15:00	11/23/20 19:11	200
Dibenz(a,h)anthracene	ND	H	1000	84	ug/L		11/16/20 15:00	11/23/20 19:11	200
Di-n-butyl phthalate	ND	H	1000	62	ug/L		11/16/20 15:00	11/23/20 19:11	200
Di-n-octyl phthalate	ND	H	1000	94	ug/L		11/16/20 15:00	11/23/20 19:11	200
Dibenzofuran	ND	H	2000	100	ug/L		11/16/20 15:00	11/23/20 19:11	200
Diethyl phthalate	ND	H	1000	44	ug/L		11/16/20 15:00	11/23/20 19:11	200
Dimethyl phthalate	ND	H	1000	72	ug/L		11/16/20 15:00	11/23/20 19:11	200
Fluoranthene	370	J H	1000	80	ug/L		11/16/20 15:00	11/23/20 19:11	200
Fluorene	430	J H	1000	72	ug/L		11/16/20 15:00	11/23/20 19:11	200
Hexachlorobenzene	ND	H	1000	100	ug/L		11/16/20 15:00	11/23/20 19:11	200
Hexachlorobutadiene	ND	H	1000	140	ug/L		11/16/20 15:00	11/23/20 19:11	200
Hexachlorocyclopentadiene	ND	H	1000	120	ug/L		11/16/20 15:00	11/23/20 19:11	200
Hexachloroethane	ND	H	1000	120	ug/L		11/16/20 15:00	11/23/20 19:11	200
Indeno[1,2,3-cd]pyrene	ND	H	1000	94	ug/L		11/16/20 15:00	11/23/20 19:11	200
Isophorone	ND	H	1000	86	ug/L		11/16/20 15:00	11/23/20 19:11	200
N-Nitrosodi-n-propylamine	ND	H	1000	110	ug/L		11/16/20 15:00	11/23/20 19:11	200
N-Nitrosodiphenylamine	ND	H	1000	100	ug/L		11/16/20 15:00	11/23/20 19:11	200
Naphthalene	12000	H J	1000	150	ug/L		11/16/20 15:00	11/23/20 19:11	200
Nitrobenzene	ND	H	1000	58	ug/L		11/16/20 15:00	11/23/20 19:11	200
Pentachlorophenol	ND	H	2000	440	ug/L		11/16/20 15:00	11/23/20 19:11	200
Phenanthrene	1300	H	1000	88	ug/L		11/16/20 15:00	11/23/20 19:11	200
Phenol	ND	H	1000	78	ug/L		11/16/20 15:00	11/23/20 19:11	200
Pyrene	660	J H	1000	68	ug/L		11/16/20 15:00	11/23/20 19:11	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	X	46 - 120	11/16/20 15:00	11/23/20 19:11	200
Phenol-d5 (Surr)	0	X	22 - 120	11/16/20 15:00	11/23/20 19:11	200

Client Sample Results

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Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100

Lab Sample ID: 480-177853-2

Date Collected: 11/05/20 11:35

Matrix: Water

Date Received: 11/06/20 11:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	0	X	60 - 148	11/16/20 15:00	11/23/20 19:11	200
2,4,6-Tribromophenol (Surr)	0	X	41 - 120	11/16/20 15:00	11/23/20 19:11	200
2-Fluorobiphenyl (Surr)	105		48 - 120	11/16/20 15:00	11/23/20 19:11	200
2-Fluorophenol (Surr)	0	X	35 - 120	11/16/20 15:00	11/23/20 19:11	200

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.92	ug/L		11/10/20 08:39	11/12/20 10:05	100
4,4'-DDE	ND		5.0	1.2	ug/L		11/10/20 08:39	11/12/20 10:05	100
4,4'-DDT	ND		5.0	1.1	ug/L		11/10/20 08:39	11/12/20 10:05	100
Aldrin	ND		5.0	0.81	ug/L		11/10/20 08:39	11/12/20 10:05	100
alpha-BHC	ND		5.0	0.77	ug/L		11/10/20 08:39	11/12/20 10:05	100
cis-Chlordane	ND		5.0	1.5	ug/L		11/10/20 08:39	11/12/20 10:05	100
beta-BHC	ND		5.0	2.5	ug/L		11/10/20 08:39	11/12/20 10:05	100
delta-BHC	ND		5.0	1.0	ug/L		11/10/20 08:39	11/12/20 10:05	100
Dieldrin	ND		5.0	0.98	ug/L		11/10/20 08:39	11/12/20 10:05	100
Endosulfan I	ND		5.0	1.1	ug/L		11/10/20 08:39	11/12/20 10:05	100
Endosulfan II	ND		5.0	1.2	ug/L		11/10/20 08:39	11/12/20 10:05	100
Endosulfan sulfate	ND		5.0	1.6	ug/L		11/10/20 08:39	11/12/20 10:05	100
Endrin	ND		5.0	1.4	ug/L		11/10/20 08:39	11/12/20 10:05	100
Endrin aldehyde	ND		5.0	1.6	ug/L		11/10/20 08:39	11/12/20 10:05	100
Endrin ketone	ND		5.0	1.2	ug/L		11/10/20 08:39	11/12/20 10:05	100
gamma-BHC (Lindane)	ND		5.0	0.80	ug/L		11/10/20 08:39	11/12/20 10:05	100
trans-Chlordane	ND		5.0	1.1	ug/L		11/10/20 08:39	11/12/20 10:05	100
Heptachlor	ND		5.0	0.85	ug/L		11/10/20 08:39	11/12/20 10:05	100
Heptachlor epoxide	ND		5.0	0.74	ug/L		11/10/20 08:39	11/12/20 10:05	100
Methoxychlor	ND		5.0	1.4	ug/L		11/10/20 08:39	11/12/20 10:05	100
Toxaphene	ND		50	12	ug/L		11/10/20 08:39	11/12/20 10:05	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	11/10/20 08:39	11/12/20 10:05	100
DCB Decachlorobiphenyl	0	X	20 - 120	11/10/20 08:39	11/12/20 10:05	100
Tetrachloro-m-xylene	0	X	44 - 120	11/10/20 08:39	11/12/20 10:05	100
Tetrachloro-m-xylene	0	X	44 - 120	11/10/20 08:39	11/12/20 10:05	100

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:57	1
PCB-1221	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:57	1
PCB-1232	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:57	1
PCB-1242	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:57	1
PCB-1248	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 06:57	1
PCB-1254	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:57	1
PCB-1260	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:57	1
PCB-1262	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:57	1
PCB-1268	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 06:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	86		39 - 121	11/11/20 09:34	11/13/20 06:57	1
Tetrachloro-m-xylene (Surr)	95		39 - 121	11/11/20 09:34	11/13/20 06:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100

Lab Sample ID: 480-177853-2

Date Collected: 11/05/20 11:35

Matrix: Water

Date Received: 11/06/20 11:30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	42		19 - 120	11/11/20 09:34	11/13/20 06:57	1
DCB Decachlorobiphenyl (Surr)	48		19 - 120	11/11/20 09:34	11/13/20 06:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2.8		0.20	0.060	mg/L		11/11/20 12:42	11/13/20 18:38	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 12:42	11/13/20 18:38	1
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 12:42	11/13/20 18:38	1
Barium	0.68		0.0020	0.00070	mg/L		11/11/20 12:42	11/13/20 18:38	1
Beryllium	ND		0.0020	0.00030	mg/L		11/11/20 12:42	11/13/20 18:38	1
Cadmium	0.00091	J	0.0020	0.00050	mg/L		11/11/20 12:42	11/13/20 18:38	1
Calcium	217		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 18:38	1
Chromium	0.0060		0.0040	0.0010	mg/L		11/11/20 12:42	11/13/20 18:38	1
Cobalt	0.0027	J	0.0040	0.00063	mg/L		11/11/20 12:42	11/13/20 18:38	1
Copper	0.018		0.010	0.0016	mg/L		11/11/20 12:42	11/13/20 18:38	1
Iron	4.9		0.050	0.019	mg/L		11/11/20 12:42	11/13/20 18:38	1
Lead	0.037		0.010	0.0030	mg/L		11/11/20 12:42	11/13/20 18:38	1
Magnesium	166		0.20	0.043	mg/L		11/11/20 12:42	11/13/20 18:38	1
Manganese	0.37		0.0030	0.00040	mg/L		11/11/20 12:42	11/13/20 18:38	1
Nickel	0.0035	J	0.010	0.0013	mg/L		11/11/20 12:42	11/13/20 18:38	1
Potassium	9.9		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 18:38	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 12:42	11/13/20 18:38	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 12:42	11/13/20 18:38	1
Sodium	173		1.0	0.32	mg/L		11/11/20 12:42	11/13/20 18:38	1
Thallium	ND		0.020	0.010	mg/L		11/11/20 12:42	11/13/20 18:38	1
Vanadium	0.010		0.0050	0.0015	mg/L		11/11/20 12:42	11/13/20 18:38	1
Zinc	0.062		0.010	0.0015	mg/L		11/11/20 12:42	11/13/20 18:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/16/20 13:25	11/16/20 16:51	1

Client Sample ID: MW-103

Lab Sample ID: 480-177853-3

Date Collected: 11/05/20 14:05

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			11/11/20 14:13	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			11/11/20 14:13	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			11/11/20 14:13	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			11/11/20 14:13	20
1,1-Dichloroethane	ND		20	7.6	ug/L			11/11/20 14:13	20
1,1-Dichloroethene	ND		20	5.8	ug/L			11/11/20 14:13	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			11/11/20 14:13	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			11/11/20 14:13	20
1,2-Dichlorobenzene	ND		20	16	ug/L			11/11/20 14:13	20
1,2-Dichloroethane	ND		20	4.2	ug/L			11/11/20 14:13	20
1,2-Dichloropropane	ND		20	14	ug/L			11/11/20 14:13	20
1,3-Dichlorobenzene	ND		20	16	ug/L			11/11/20 14:13	20

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-103

Lab Sample ID: 480-177853-3

Date Collected: 11/05/20 14:05

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		20	17	ug/L			11/11/20 14:13	20
2-Butanone (MEK)	ND		200	26	ug/L			11/11/20 14:13	20
2-Hexanone	ND		100	25	ug/L			11/11/20 14:13	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			11/11/20 14:13	20
Acetone	ND		200	60	ug/L			11/11/20 14:13	20
Benzene	18	J	20	8.2	ug/L			11/11/20 14:13	20
Bromodichloromethane	ND		20	7.8	ug/L			11/11/20 14:13	20
Bromoform	ND		20	5.2	ug/L			11/11/20 14:13	20
Bromomethane	ND		20	14	ug/L			11/11/20 14:13	20
Carbon disulfide	ND		20	3.8	ug/L			11/11/20 14:13	20
Carbon tetrachloride	ND		20	5.4	ug/L			11/11/20 14:13	20
Chlorobenzene	ND		20	15	ug/L			11/11/20 14:13	20
Dibromochloromethane	ND		20	6.4	ug/L			11/11/20 14:13	20
Chloroethane	ND		20	6.4	ug/L			11/11/20 14:13	20
Chloroform	ND		20	6.8	ug/L			11/11/20 14:13	20
Chloromethane	ND		20	7.0	ug/L			11/11/20 14:13	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			11/11/20 14:13	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			11/11/20 14:13	20
Cyclohexane	ND		20	3.6	ug/L			11/11/20 14:13	20
Dichlorodifluoromethane	ND		20	14	ug/L			11/11/20 14:13	20
Ethylbenzene	170		20	15	ug/L			11/11/20 14:13	20
1,2-Dibromoethane	ND		20	15	ug/L			11/11/20 14:13	20
Isopropylbenzene	ND		20	16	ug/L			11/11/20 14:13	20
Methyl acetate	ND		50	26	ug/L			11/11/20 14:13	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			11/11/20 14:13	20
Methylcyclohexane	ND		20	3.2	ug/L			11/11/20 14:13	20
Methylene Chloride	ND		20	8.8	ug/L			11/11/20 14:13	20
Styrene	ND		20	15	ug/L			11/11/20 14:13	20
Tetrachloroethene	ND		20	7.2	ug/L			11/11/20 14:13	20
Toluene	10	J	20	10	ug/L			11/11/20 14:13	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			11/11/20 14:13	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			11/11/20 14:13	20
Trichloroethene	ND		20	9.2	ug/L			11/11/20 14:13	20
Trichlorofluoromethane	ND		20	18	ug/L			11/11/20 14:13	20
Vinyl chloride	ND		20	18	ug/L			11/11/20 14:13	20
Xylenes, Total	110		40	13	ug/L			11/11/20 14:13	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		11/11/20 14:13	20
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		11/11/20 14:13	20
4-Bromofluorobenzene (Surr)	105		73 - 120		11/11/20 14:13	20
Dibromofluoromethane (Surr)	108		75 - 123		11/11/20 14:13	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		11/11/20 15:04	11/15/20 22:00	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/11/20 15:04	11/15/20 22:00	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/11/20 15:04	11/15/20 22:00	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/11/20 15:04	11/15/20 22:00	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 22:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-103

Lab Sample ID: 480-177853-3

Date Collected: 11/05/20 14:05

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/11/20 15:04	11/15/20 22:00	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 22:00	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 22:00	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:00	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/11/20 15:04	11/15/20 22:00	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/11/20 15:04	11/15/20 22:00	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:00	1
2-Methylnaphthalene	74 E		5.0	0.60	ug/L		11/11/20 15:04	11/15/20 22:00	1
2-Nitroaniline	ND		10	0.42	ug/L		11/11/20 15:04	11/15/20 22:00	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/11/20 15:04	11/15/20 22:00	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:00	1
3-Nitroaniline	ND		10	0.48	ug/L		11/11/20 15:04	11/15/20 22:00	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 22:00	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 22:00	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 22:00	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 22:00	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 22:00	1
4-Methylphenol	ND		10	0.36	ug/L		11/11/20 15:04	11/15/20 22:00	1
4-Nitroaniline	ND		10	0.25	ug/L		11/11/20 15:04	11/15/20 22:00	1
4-Nitrophenol	110 E		10	1.5	ug/L		11/11/20 15:04	11/15/20 22:00	1
Acenaphthene	110 E		5.0	0.41	ug/L		11/11/20 15:04	11/15/20 22:00	1
Acenaphthylene	12		5.0	0.38	ug/L		11/11/20 15:04	11/15/20 22:00	1
Acetophenone	ND		5.0	0.54	ug/L		11/11/20 15:04	11/15/20 22:00	1
Anthracene	17		5.0	0.28	ug/L		11/11/20 15:04	11/15/20 22:00	1
Atrazine	ND		5.0	0.46	ug/L		11/11/20 15:04	11/15/20 22:00	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/11/20 15:04	11/15/20 22:00	1
Benzo[a]anthracene	0.68 J		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 22:00	1
Benzo[a]pyrene	0.52 J		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 22:00	1
Benzo[b]fluoranthene	0.34 J		5.0	0.34	ug/L		11/11/20 15:04	11/15/20 22:00	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 22:00	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/11/20 15:04	11/15/20 22:00	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 22:00	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:00	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/11/20 15:04	11/15/20 22:00	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/11/20 15:04	11/15/20 22:00	1
Caprolactam	ND		5.0	2.2	ug/L		11/11/20 15:04	11/15/20 22:00	1
Carbazole	1.5 J		5.0	0.30	ug/L		11/11/20 15:04	11/15/20 22:00	1
Chrysene	0.53 J		5.0	0.33	ug/L		11/11/20 15:04	11/15/20 22:00	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/11/20 15:04	11/15/20 22:00	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/11/20 15:04	11/15/20 22:00	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 22:00	1
Dibenzofuran	7.2 J		10	0.51	ug/L		11/11/20 15:04	11/15/20 22:00	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/11/20 15:04	11/15/20 22:00	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 22:00	1
Fluoranthene	7.0		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:00	1
Fluorene	42		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 22:00	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 22:00	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/11/20 15:04	11/15/20 22:00	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 22:00	1

CC/11

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-103

Lab Sample ID: 480-177853-3

Date Collected: 11/05/20 14:05

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 22:00	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 22:00	1
Isophorone	ND		5.0	0.43	ug/L		11/11/20 15:04	11/15/20 22:00	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/11/20 15:04	11/15/20 22:00	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 22:00	1
Naphthalene	27		5.0	0.76	ug/L		11/11/20 15:04	11/15/20 22:00	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/11/20 15:04	11/15/20 22:00	1
Pentachlorophenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 22:00	1
Phenanthrene	73 E		5.0	0.44	ug/L		11/11/20 15:04	11/15/20 22:00	1
Phenol	1.9 J		5.0	0.39	ug/L		11/11/20 15:04	11/15/20 22:00	1
Pyrene	10		5.0	0.34	ug/L		11/11/20 15:04	11/15/20 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	103		46 - 120	11/11/20 15:04	11/15/20 22:00	1
Phenol-d5 (Surr)	50		22 - 120	11/11/20 15:04	11/15/20 22:00	1
p-Terphenyl-d14 (Surr)	78		60 - 148	11/11/20 15:04	11/15/20 22:00	1
2,4,6-Tribromophenol (Surr)	115		41 - 120	11/11/20 15:04	11/15/20 22:00	1
2-Fluorobiphenyl (Surr)	108		48 - 120	11/11/20 15:04	11/15/20 22:00	1
2-Fluorophenol (Surr)	69		35 - 120	11/11/20 15:04	11/15/20 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		11/11/20 15:04	11/23/20 23:27	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		11/11/20 15:04	11/23/20 23:27	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:27	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		11/11/20 15:04	11/23/20 23:27	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		11/11/20 15:04	11/23/20 23:27	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		11/11/20 15:04	11/23/20 23:27	5
2,4-Dinitrophenol	ND		50	11	ug/L		11/11/20 15:04	11/23/20 23:27	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		11/11/20 15:04	11/23/20 23:27	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
2-Chloronaphthalene	ND		25	2.3	ug/L		11/11/20 15:04	11/23/20 23:27	5
2-Chlorophenol	ND		25	2.7	ug/L		11/11/20 15:04	11/23/20 23:27	5
2-Methylphenol	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
2-Methylnaphthalene	81		25	3.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
2-Nitroaniline	ND		50	2.1	ug/L		11/11/20 15:04	11/23/20 23:27	5
2-Nitrophenol	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:27	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
3-Nitroaniline	ND		50	2.4	ug/L		11/11/20 15:04	11/23/20 23:27	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		11/11/20 15:04	11/23/20 23:27	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		11/11/20 15:04	11/23/20 23:27	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		11/11/20 15:04	11/23/20 23:27	5
4-Chloroaniline	ND		25	3.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:27	5
4-Methylphenol	ND		50	1.8	ug/L		11/11/20 15:04	11/23/20 23:27	5
4-Nitroaniline	ND		50	1.3	ug/L		11/11/20 15:04	11/23/20 23:27	5
4-Nitrophenol	ND		50	7.6	ug/L		11/11/20 15:04	11/23/20 23:27	5
Acenaphthene	110		25	2.1	ug/L		11/11/20 15:04	11/23/20 23:27	5
Acenaphthylene	10 J		25	1.9	ug/L		11/11/20 15:04	11/23/20 23:27	5
Acetophenone	ND		25	2.7	ug/L		11/11/20 15:04	11/23/20 23:27	5

Eurofins TestAmerica, Buffalo

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Job ID: 480-177853-1

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Lab Sample ID: 480-177853-3

Date Collected: 11/05/20 14:05

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	16	J	25	1.4	ug/L		11/11/20 15:04	11/23/20 23:27	5
Atrazine	ND		25	2.3	ug/L		11/11/20 15:04	11/23/20 23:27	5
Benzaldehyde	7.3	J	25	1.3	ug/L		11/11/20 15:04	11/23/20 23:27	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:27	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:27	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/11/20 15:04	11/23/20 23:27	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:27	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/11/20 15:04	11/23/20 23:27	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:27	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		11/11/20 15:04	11/23/20 23:27	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
Caprolactam	ND		25	11	ug/L		11/11/20 15:04	11/23/20 23:27	5
Carbazole	ND		25	1.5	ug/L		11/11/20 15:04	11/23/20 23:27	5
Chrysene	ND		25	1.7	ug/L		11/11/20 15:04	11/23/20 23:27	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/11/20 15:04	11/23/20 23:27	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		11/11/20 15:04	11/23/20 23:27	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:27	5
Dibenzofuran	7.2	J	50	2.6	ug/L		11/11/20 15:04	11/23/20 23:27	5
Diethyl phthalate	ND		25	1.1	ug/L		11/11/20 15:04	11/23/20 23:27	5
Dimethyl phthalate	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:27	5
Fluoranthene	6.8	J	25	2.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
Fluorene	40		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:27	5
Hexachlorobenzene	ND		25	2.6	ug/L		11/11/20 15:04	11/23/20 23:27	5
Hexachlorobutadiene	ND		25	3.4	ug/L		11/11/20 15:04	11/23/20 23:27	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
Hexachloroethane	ND		25	3.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:27	5
Isophorone	ND		25	2.2	ug/L		11/11/20 15:04	11/23/20 23:27	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		11/11/20 15:04	11/23/20 23:27	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		11/11/20 15:04	11/23/20 23:27	5
Naphthalene	27		25	3.8	ug/L		11/11/20 15:04	11/23/20 23:27	5
Nitrobenzene	ND		25	1.5	ug/L		11/11/20 15:04	11/23/20 23:27	5
Pentachlorophenol	ND		50	11	ug/L		11/11/20 15:04	11/23/20 23:27	5
Phenanthrene	77		25	2.2	ug/L		11/11/20 15:04	11/23/20 23:27	5
Phenol	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:27	5
Pyrene	9.7	J	25	1.7	ug/L		11/11/20 15:04	11/23/20 23:27	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		46 - 120	11/11/20 15:04	11/23/20 23:27	5
Phenol-d5 (Surr)	43		22 - 120	11/11/20 15:04	11/23/20 23:27	5
p-Terphenyl-d14 (Surr)	76		60 - 148	11/11/20 15:04	11/23/20 23:27	5
2,4,6-Tribromophenol (Surr)	114		41 - 120	11/11/20 15:04	11/23/20 23:27	5
2-Fluorobiphenyl (Surr)	104		48 - 120	11/11/20 15:04	11/23/20 23:27	5
2-Fluorophenol (Surr)	59		35 - 120	11/11/20 15:04	11/23/20 23:27	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		11/10/20 08:39	11/12/20 10:25	1
4,4'-DDE	ND		0.050	0.012	ug/L		11/10/20 08:39	11/12/20 10:25	1

Report

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-103

Lab Sample ID: 480-177853-3

Date Collected: 11/05/20 14:05

Matrix: Water

Date Received: 11/06/20 11:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		0.050	0.011	ug/L		11/10/20 08:39	11/12/20 10:25	1
Aldrin	ND		0.050	0.0081	ug/L		11/10/20 08:39	11/12/20 10:25	1
alpha-BHC	ND		0.050	0.0077	ug/L		11/10/20 08:39	11/12/20 10:25	1
cis-Chlordane	ND		0.050	0.015	ug/L		11/10/20 08:39	11/12/20 10:25	1
beta-BHC	ND		0.050	0.025	ug/L		11/10/20 08:39	11/12/20 10:25	1
delta-BHC	ND		0.050	0.010	ug/L		11/10/20 08:39	11/12/20 10:25	1
Dieldrin	ND		0.050	0.0098	ug/L		11/10/20 08:39	11/12/20 10:25	1
Endosulfan I	ND		0.050	0.011	ug/L		11/10/20 08:39	11/12/20 10:25	1
Endosulfan II	ND		0.050	0.012	ug/L		11/10/20 08:39	11/12/20 10:25	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		11/10/20 08:39	11/12/20 10:25	1
Endrin	ND		0.050	0.014	ug/L		11/10/20 08:39	11/12/20 10:25	1
Endrin aldehyde	ND		0.050	0.016	ug/L		11/10/20 08:39	11/12/20 10:25	1
Endrin ketone	ND		0.050	0.012	ug/L		11/10/20 08:39	11/12/20 10:25	1
gamma-BHC (Lindane)	0.050	0.016 JB U	0.050	0.0080	ug/L		11/10/20 08:39	11/12/20 10:25	MBL
trans-Chlordane	ND		0.050	0.011	ug/L		11/10/20 08:39	11/12/20 10:25	1
Heptachlor	ND		0.050	0.0085	ug/L		11/10/20 08:39	11/12/20 10:25	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		11/10/20 08:39	11/12/20 10:25	1
Methoxychlor	ND		0.050	0.014	ug/L		11/10/20 08:39	11/12/20 10:25	1
Toxaphene	ND		0.50	0.12	ug/L		11/10/20 08:39	11/12/20 10:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		20 - 120	11/10/20 08:39	11/12/20 10:25	1
DCB Decachlorobiphenyl	50		20 - 120	11/10/20 08:39	11/12/20 10:25	1
Tetrachloro-m-xylene	96		44 - 120	11/10/20 08:39	11/12/20 10:25	1
Tetrachloro-m-xylene	67		44 - 120	11/10/20 08:39	11/12/20 10:25	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	LS	0.50	0.18	ug/L		11/11/20 09:34	11/13/20 07:12	CC4
PCB-1221	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 07:12	1
PCB-1232	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 07:12	1
PCB-1242	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 07:12	1
PCB-1248	ND		0.50	0.18	ug/L		11/11/20 09:34	11/13/20 07:12	1
PCB-1254	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 07:12	1
PCB-1260	ND	LS	0.50	0.25	ug/L		11/11/20 09:34	11/13/20 07:12	CC4
PCB-1262	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 07:12	1
PCB-1268	ND		0.50	0.25	ug/L		11/11/20 09:34	11/13/20 07:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	97		39 - 121	11/11/20 09:34	11/13/20 07:12	1
Tetrachloro-m-xylene (Surr)	111		39 - 121	11/11/20 09:34	11/13/20 07:12	1
DCB Decachlorobiphenyl (Surr)	55		19 - 120	11/11/20 09:34	11/13/20 07:12	1
DCB Decachlorobiphenyl (Surr)	62		19 - 120	11/11/20 09:34	11/13/20 07:12	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.21		0.20	0.060	mg/L		11/11/20 12:42	11/13/20 18:53	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 12:42	11/13/20 18:53	1
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 12:42	11/13/20 18:53	1
Barium	0.053		0.0020	0.00070	mg/L		11/11/20 12:42	11/13/20 18:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-103

Lab Sample ID: 480-177853-3

Date Collected: 11/05/20 14:05

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/11/20 12:42	11/13/20 18:53	1
Cadmium	ND		0.0020	0.00050	mg/L		11/11/20 12:42	11/13/20 18:53	1
Calcium	102		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 18:53	1
Chromium	ND		0.0040	0.0010	mg/L		11/11/20 12:42	11/13/20 18:53	1
Cobalt	ND		0.0040	0.00063	mg/L		11/11/20 12:42	11/13/20 18:53	1
Copper	0.0022	J	0.010	0.0016	mg/L		11/11/20 12:42	11/13/20 18:53	1
Iron	2.0		0.050	0.019	mg/L		11/11/20 12:42	11/13/20 18:53	1
Lead	0.0070	J	0.010	0.0030	mg/L		11/11/20 12:42	11/13/20 18:53	1
Magnesium	32.5		0.20	0.043	mg/L		11/11/20 12:42	11/13/20 18:53	1
Manganese	0.89		0.0030	0.00040	mg/L		11/11/20 12:42	11/13/20 18:53	1
Nickel	ND		0.010	0.0013	mg/L		11/11/20 12:42	11/13/20 18:53	1
Potassium	9.2		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 18:53	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 12:42	11/13/20 18:53	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 12:42	11/13/20 18:53	1
Sodium	50.9		1.0	0.32	mg/L		11/11/20 12:42	11/13/20 18:53	1
Thallium	ND		0.020	0.010	mg/L		11/11/20 12:42	11/13/20 18:53	1
Vanadium	ND		0.0050	0.0015	mg/L		11/11/20 12:42	11/13/20 18:53	1
Zinc	0.0051	J	0.010	0.0015	mg/L		11/11/20 12:42	11/13/20 18:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/16/20 13:25	11/16/20 16:52	1

Client Sample ID: MW-106

Lab Sample ID: 480-177853-4

Date Collected: 11/05/20 15:15

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			11/11/20 14:37	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			11/11/20 14:37	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			11/11/20 14:37	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			11/11/20 14:37	20
1,1-Dichloroethane	ND		20	7.6	ug/L			11/11/20 14:37	20
1,1-Dichloroethene	ND		20	5.8	ug/L			11/11/20 14:37	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			11/11/20 14:37	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			11/11/20 14:37	20
1,2-Dichlorobenzene	ND		20	16	ug/L			11/11/20 14:37	20
1,2-Dichloroethane	ND		20	4.2	ug/L			11/11/20 14:37	20
1,2-Dichloropropane	ND		20	14	ug/L			11/11/20 14:37	20
1,3-Dichlorobenzene	ND		20	16	ug/L			11/11/20 14:37	20
1,4-Dichlorobenzene	ND		20	17	ug/L			11/11/20 14:37	20
2-Butanone (MEK)	ND		200	26	ug/L			11/11/20 14:37	20
2-Hexanone	ND		100	25	ug/L			11/11/20 14:37	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			11/11/20 14:37	20
Acetone	ND		200	60	ug/L			11/11/20 14:37	20
Benzene	ND		20	8.2	ug/L			11/11/20 14:37	20
Bromodichloromethane	ND		20	7.8	ug/L			11/11/20 14:37	20
Bromoform	ND		20	5.2	ug/L			11/11/20 14:37	20
Bromomethane	ND		20	14	ug/L			11/11/20 14:37	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-106

Lab Sample ID: 480-177853-4

Date Collected: 11/05/20 15:15

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		20	3.8	ug/L			11/11/20 14:37	20
Carbon tetrachloride	ND		20	5.4	ug/L			11/11/20 14:37	20
Chlorobenzene	ND		20	15	ug/L			11/11/20 14:37	20
Dibromochloromethane	ND		20	6.4	ug/L			11/11/20 14:37	20
Chloroethane	ND		20	6.4	ug/L			11/11/20 14:37	20
Chloroform	ND		20	6.8	ug/L			11/11/20 14:37	20
Chloromethane	ND		20	7.0	ug/L			11/11/20 14:37	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			11/11/20 14:37	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			11/11/20 14:37	20
Cyclohexane	ND		20	3.6	ug/L			11/11/20 14:37	20
Dichlorodifluoromethane	ND		20	14	ug/L			11/11/20 14:37	20
Ethylbenzene	200		20	15	ug/L			11/11/20 14:37	20
1,2-Dibromoethane	ND		20	15	ug/L			11/11/20 14:37	20
Isopropylbenzene	16 J		20	16	ug/L			11/11/20 14:37	20
Methyl acetate	ND		50	26	ug/L			11/11/20 14:37	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			11/11/20 14:37	20
Methylcyclohexane	ND		20	3.2	ug/L			11/11/20 14:37	20
Methylene Chloride	ND		20	8.8	ug/L			11/11/20 14:37	20
Styrene	ND		20	15	ug/L			11/11/20 14:37	20
Tetrachloroethene	ND		20	7.2	ug/L			11/11/20 14:37	20
Toluene	ND		20	10	ug/L			11/11/20 14:37	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			11/11/20 14:37	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			11/11/20 14:37	20
Trichloroethene	ND		20	9.2	ug/L			11/11/20 14:37	20
Trichlorofluoromethane	ND		20	18	ug/L			11/11/20 14:37	20
Vinyl chloride	ND		20	18	ug/L			11/11/20 14:37	20
Xylenes, Total	74		40	13	ug/L			11/11/20 14:37	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		11/11/20 14:37	20
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/11/20 14:37	20
4-Bromofluorobenzene (Surr)	107		73 - 120		11/11/20 14:37	20
Dibromofluoromethane (Surr)	109		75 - 123		11/11/20 14:37	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	27		5.0	0.65	ug/L		11/11/20 15:04	11/15/20 22:28	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/11/20 15:04	11/15/20 22:28	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/11/20 15:04	11/15/20 22:28	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/11/20 15:04	11/15/20 22:28	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 22:28	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/11/20 15:04	11/15/20 22:28	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 22:28	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 22:28	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:28	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/11/20 15:04	11/15/20 22:28	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/11/20 15:04	11/15/20 22:28	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:28	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/11/20 15:04	11/15/20 22:28	1
2-Nitroaniline	ND		10	0.42	ug/L		11/11/20 15:04	11/15/20 22:28	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-106

Lab Sample ID: 480-177853-4

Date Collected: 11/05/20 15:15

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		5.0	0.48	ug/L		11/11/20 15:04	11/15/20 22:28	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:28	1
3-Nitroaniline	ND		10	0.48	ug/L		11/11/20 15:04	11/15/20 22:28	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 22:28	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 22:28	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/11/20 15:04	11/15/20 22:28	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 22:28	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 22:28	1
4-Methylphenol	ND		10	0.36	ug/L		11/11/20 15:04	11/15/20 22:28	1
4-Nitroaniline	ND		10	0.25	ug/L		11/11/20 15:04	11/15/20 22:28	1
4-Nitrophenol	ND		10	1.5	ug/L		11/11/20 15:04	11/15/20 22:28	1
Acenaphthene	120 E		5.0	0.41	ug/L		11/11/20 15:04	11/15/20 22:28	1
Acenaphthylene	5.6		5.0	0.38	ug/L		11/11/20 15:04	11/15/20 22:28	1
Acetophenone	3.9 J		5.0	0.54	ug/L		11/11/20 15:04	11/15/20 22:28	1
Anthracene	17		5.0	0.28	ug/L		11/11/20 15:04	11/15/20 22:28	1
Atrazine	ND		5.0	0.46	ug/L		11/11/20 15:04	11/15/20 22:28	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/11/20 15:04	11/15/20 22:28	1
Benzo[a]anthracene	0.53 J		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 22:28	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 22:28	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/11/20 15:04	11/15/20 22:28	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 22:28	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/11/20 15:04	11/15/20 22:28	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/11/20 15:04	11/15/20 22:28	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:28	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/11/20 15:04	11/15/20 22:28	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/11/20 15:04	11/15/20 22:28	1
Caprolactam	ND		5.0	2.2	ug/L		11/11/20 15:04	11/15/20 22:28	1
Carbazole	1.8 J		5.0	0.30	ug/L		11/11/20 15:04	11/15/20 22:28	1
Chrysene	0.46 J		5.0	0.33	ug/L		11/11/20 15:04	11/15/20 22:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/11/20 15:04	11/15/20 22:28	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/11/20 15:04	11/15/20 22:28	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 22:28	1
Dibenzofuran	4.5 J		10	0.51	ug/L		11/11/20 15:04	11/15/20 22:28	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/11/20 15:04	11/15/20 22:28	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 22:28	1
Fluoranthene	6.1		5.0	0.40	ug/L		11/11/20 15:04	11/15/20 22:28	1
Fluorene	44		5.0	0.36	ug/L		11/11/20 15:04	11/15/20 22:28	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 22:28	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/11/20 15:04	11/15/20 22:28	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 22:28	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/11/20 15:04	11/15/20 22:28	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/11/20 15:04	11/15/20 22:28	1
Isophorone	ND		5.0	0.43	ug/L		11/11/20 15:04	11/15/20 22:28	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/11/20 15:04	11/15/20 22:28	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/11/20 15:04	11/15/20 22:28	1
Naphthalene	ND		5.0	0.76	ug/L		11/11/20 15:04	11/15/20 22:28	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/11/20 15:04	11/15/20 22:28	1
Pentachlorophenol	ND		10	2.2	ug/L		11/11/20 15:04	11/15/20 22:28	1
Phenanthrene	72 E		5.0	0.44	ug/L		11/11/20 15:04	11/15/20 22:28	1

cc4

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-106

Lab Sample ID: 480-177853-4

Date Collected: 11/05/20 15:15

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.50	J	5.0	0.39	ug/L		11/11/20 15:04	11/15/20 22:28	1
Pyrene	10		5.0	0.34	ug/L		11/11/20 15:04	11/15/20 22:28	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	101		46 - 120				11/11/20 15:04	11/15/20 22:28	1
Phenol-d5 (Surr)	54		22 - 120				11/11/20 15:04	11/15/20 22:28	1
p-Terphenyl-d14 (Surr)	67		60 - 148				11/11/20 15:04	11/15/20 22:28	1
2,4,6-Tribromophenol (Surr)	117		41 - 120				11/11/20 15:04	11/15/20 22:28	1
2-Fluorobiphenyl (Surr)	97		48 - 120				11/11/20 15:04	11/15/20 22:28	1
2-Fluorophenol (Surr)	77		35 - 120				11/11/20 15:04	11/15/20 22:28	1

Report from dilution

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	26		25	3.3	ug/L		11/11/20 15:04	11/23/20 23:55	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		11/11/20 15:04	11/23/20 23:55	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:55	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		11/11/20 15:04	11/23/20 23:55	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		11/11/20 15:04	11/23/20 23:55	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		11/11/20 15:04	11/23/20 23:55	5
2,4-Dinitrophenol	ND		50	11	ug/L		11/11/20 15:04	11/23/20 23:55	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		11/11/20 15:04	11/23/20 23:55	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
2-Chloronaphthalene	ND		25	2.3	ug/L		11/11/20 15:04	11/23/20 23:55	5
2-Chlorophenol	ND		25	2.7	ug/L		11/11/20 15:04	11/23/20 23:55	5
2-Methylphenol	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
2-Methylnaphthalene	ND		25	3.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
2-Nitroaniline	ND		50	2.1	ug/L		11/11/20 15:04	11/23/20 23:55	5
2-Nitrophenol	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:55	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
3-Nitroaniline	ND		50	2.4	ug/L		11/11/20 15:04	11/23/20 23:55	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		11/11/20 15:04	11/23/20 23:55	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		11/11/20 15:04	11/23/20 23:55	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		11/11/20 15:04	11/23/20 23:55	5
4-Chloroaniline	ND		25	3.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:55	5
4-Methylphenol	ND		50	1.8	ug/L		11/11/20 15:04	11/23/20 23:55	5
4-Nitroaniline	ND		50	1.3	ug/L		11/11/20 15:04	11/23/20 23:55	5
4-Nitrophenol	ND		50	7.6	ug/L		11/11/20 15:04	11/23/20 23:55	5
Acenaphthene	★ 130		25	2.1	ug/L		11/11/20 15:04	11/23/20 23:55	5
Acenaphthylene	5.3	J	25	1.9	ug/L		11/11/20 15:04	11/23/20 23:55	5
Acetophenone	3.7	J	25	2.7	ug/L		11/11/20 15:04	11/23/20 23:55	5
Anthracene	15	J	25	1.4	ug/L		11/11/20 15:04	11/23/20 23:55	5
Atrazine	ND		25	2.3	ug/L		11/11/20 15:04	11/23/20 23:55	5
Benzaldehyde	ND		25	1.3	ug/L		11/11/20 15:04	11/23/20 23:55	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:55	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:55	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/11/20 15:04	11/23/20 23:55	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:55	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/11/20 15:04	11/23/20 23:55	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:55	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-106

Lab Sample ID: 480-177853-4

Date Collected: 11/05/20 15:15

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		11/11/20 15:04	11/23/20 23:55	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
Caprolactam	ND		25	11	ug/L		11/11/20 15:04	11/23/20 23:55	5
Carbazole	1.6	J	25	1.5	ug/L		11/11/20 15:04	11/23/20 23:55	5
Chrysene	ND		25	1.7	ug/L		11/11/20 15:04	11/23/20 23:55	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/11/20 15:04	11/23/20 23:55	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		11/11/20 15:04	11/23/20 23:55	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:55	5
Dibenzofuran	4.3	J	50	2.6	ug/L		11/11/20 15:04	11/23/20 23:55	5
Diethyl phthalate	ND		25	1.1	ug/L		11/11/20 15:04	11/23/20 23:55	5
Dimethyl phthalate	ND		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:55	5
Fluoranthene	6.1	J	25	2.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
Fluorene	45		25	1.8	ug/L		11/11/20 15:04	11/23/20 23:55	5
Hexachlorobenzene	ND		25	2.6	ug/L		11/11/20 15:04	11/23/20 23:55	5
Hexachlorobutadiene	ND		25	3.4	ug/L		11/11/20 15:04	11/23/20 23:55	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
Hexachloroethane	ND		25	3.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/11/20 15:04	11/23/20 23:55	5
Isophorone	ND		25	2.2	ug/L		11/11/20 15:04	11/23/20 23:55	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		11/11/20 15:04	11/23/20 23:55	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		11/11/20 15:04	11/23/20 23:55	5
Naphthalene	ND		25	3.8	ug/L		11/11/20 15:04	11/23/20 23:55	5
Nitrobenzene	ND		25	1.5	ug/L		11/11/20 15:04	11/23/20 23:55	5
Pentachlorophenol	ND		50	11	ug/L		11/11/20 15:04	11/23/20 23:55	5
Phenanthrene	71		25	2.2	ug/L		11/11/20 15:04	11/23/20 23:55	5
Phenol	ND		25	2.0	ug/L		11/11/20 15:04	11/23/20 23:55	5
Pyrene	9.0	J	25	1.7	ug/L		11/11/20 15:04	11/23/20 23:55	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		46 - 120	11/11/20 15:04	11/23/20 23:55	5
Phenol-d5 (Surr)	43		22 - 120	11/11/20 15:04	11/23/20 23:55	5
p-Terphenyl-d14 (Surr)	62		60 - 148	11/11/20 15:04	11/23/20 23:55	5
2,4,6-Tribromophenol (Surr)	122	X	41 - 120	11/11/20 15:04	11/23/20 23:55	5
2-Fluorobiphenyl (Surr)	99		48 - 120	11/11/20 15:04	11/23/20 23:55	5
2-Fluorophenol (Surr)	61		35 - 120	11/11/20 15:04	11/23/20 23:55	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		11/10/20 08:39	11/11/20 16:01	1
4,4'-DDE	ND		0.050	0.012	ug/L		11/10/20 08:39	11/11/20 16:01	1
4,4'-DDT	0.085	J	0.050	0.011	ug/L		11/10/20 08:39	11/11/20 16:01	CC41
Aldrin	ND		0.050	0.0081	ug/L		11/10/20 08:39	11/11/20 16:01	1
alpha-BHC	ND		0.050	0.0077	ug/L		11/10/20 08:39	11/11/20 16:01	1
cis-Chlordane	ND		0.050	0.015	ug/L		11/10/20 08:39	11/11/20 16:01	1
beta-BHC	ND		0.050	0.025	ug/L		11/10/20 08:39	11/11/20 16:01	1
delta-BHC	0.088		0.050	0.010	ug/L		11/10/20 08:39	11/11/20 16:01	1
Dieldrin	ND		0.050	0.0098	ug/L		11/10/20 08:39	11/11/20 16:01	1
Endosulfan I	ND		0.050	0.011	ug/L		11/10/20 08:39	11/11/20 16:01	1
Endosulfan II	ND		0.050	0.012	ug/L		11/10/20 08:39	11/11/20 16:01	1

Report

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-106

Lab Sample ID: 480-177853-4

Date Collected: 11/05/20 15:15

Matrix: Water

Date Received: 11/06/20 11:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		0.050	0.016	ug/L		11/10/20 08:39	11/11/20 16:01	1
Endrin	ND		0.050	0.014	ug/L		11/10/20 08:39	11/11/20 16:01	1
Endrin aldehyde	0.051	J	0.050	0.016	ug/L		11/10/20 08:39	11/11/20 16:01	1
Endrin ketone	0.020	J	0.050	0.012	ug/L		11/10/20 08:39	11/11/20 16:01	1
gamma-BHC (Lindane)	0.11	J	0.050	0.0080	ug/L		11/10/20 08:39	11/11/20 16:01	2C1
trans-Chlordane	ND		0.050	0.011	ug/L		11/10/20 08:39	11/11/20 16:01	1
Heptachlor	0.10	J	0.050	0.0085	ug/L		11/10/20 08:39	11/11/20 16:01	CC4
Heptachlor epoxide	ND		0.050	0.0074	ug/L		11/10/20 08:39	11/11/20 16:01	1
Methoxychlor	ND		0.050	0.014	ug/L		11/10/20 08:39	11/11/20 16:01	CC4
Toxaphene	ND		0.50	0.12	ug/L		11/10/20 08:39	11/11/20 16:01	CC4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42		20 - 120				11/10/20 08:39	11/11/20 16:01	1
DCB Decachlorobiphenyl	37		20 - 120				11/10/20 08:39	11/11/20 16:01	1
Tetrachloro-m-xylene	116		44 - 120				11/10/20 08:39	11/11/20 16:01	1
Tetrachloro-m-xylene	81		44 - 120				11/10/20 08:39	11/11/20 16:01	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 07:28	CC4
PCB-1221	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 07:28	1
PCB-1232	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 07:28	1
PCB-1242	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 07:28	1
PCB-1248	ND		0.52	0.18	ug/L		11/11/20 09:34	11/13/20 07:28	1
PCB-1254	ND		0.52	0.26	ug/L		11/11/20 09:34	11/13/20 07:28	1
PCB-1260	ND		0.52	0.26	ug/L		11/11/20 09:34	11/13/20 07:28	CC4
PCB-1262	ND		0.52	0.26	ug/L		11/11/20 09:34	11/13/20 07:28	1
PCB-1268	ND		0.52	0.26	ug/L		11/11/20 09:34	11/13/20 07:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	99		39 - 121				11/11/20 09:34	11/13/20 07:28	1
Tetrachloro-m-xylene (Surr)	114		39 - 121				11/11/20 09:34	11/13/20 07:28	1
DCB Decachlorobiphenyl (Surr)	50		19 - 120				11/11/20 09:34	11/13/20 07:28	1
DCB Decachlorobiphenyl (Surr)	58		19 - 120				11/11/20 09:34	11/13/20 07:28	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.28		0.20	0.060	mg/L		11/11/20 12:42	11/13/20 19:11	1
Antimony	ND		0.020	0.0068	mg/L		11/11/20 12:42	11/13/20 19:11	1
Arsenic	ND		0.015	0.0056	mg/L		11/11/20 12:42	11/13/20 19:11	1
Barium	0.27	J	0.0020	0.00070	mg/L		11/11/20 12:42	11/13/20 19:11	1
Beryllium	ND		0.0020	0.00030	mg/L		11/11/20 12:42	11/13/20 19:11	1
Cadmium	ND		0.0020	0.00050	mg/L		11/11/20 12:42	11/13/20 19:11	1
Calcium	209		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 19:11	1
Chromium	0.0011	J	0.0040	0.0010	mg/L		11/11/20 12:42	11/13/20 19:11	1
Cobalt	ND		0.0040	0.00063	mg/L		11/11/20 12:42	11/13/20 19:11	1
Copper	0.0061	J	0.010	0.0016	mg/L		11/11/20 12:42	11/13/20 19:11	1
Iron	7.5		0.050	0.019	mg/L		11/11/20 12:42	11/13/20 19:11	1
Lead	0.012		0.010	0.0030	mg/L		11/11/20 12:42	11/13/20 19:11	1
Magnesium	57.5		0.20	0.043	mg/L		11/11/20 12:42	11/13/20 19:11	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-106

Lab Sample ID: 480-177853-4

Date Collected: 11/05/20 15:15

Matrix: Water

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	2.0		0.0030	0.00040	mg/L		11/11/20 12:42	11/13/20 19:11	1
Nickel	ND		0.010	0.0013	mg/L		11/11/20 12:42	11/13/20 19:11	1
Potassium	10		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 19:11	1
Selenium	ND		0.025	0.0087	mg/L		11/11/20 12:42	11/13/20 19:11	1
Silver	ND		0.0060	0.0017	mg/L		11/11/20 12:42	11/13/20 19:11	1
Sodium	79.6		1.0	0.32	mg/L		11/11/20 12:42	11/13/20 19:11	1
Thallium	ND		0.020	0.010	mg/L		11/11/20 12:42	11/13/20 19:11	1
Vanadium	ND		0.0050	0.0015	mg/L		11/11/20 12:42	11/13/20 19:11	1
Zinc	0.025		0.010	0.0015	mg/L		11/11/20 12:42	11/13/20 19:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/16/20 13:25	11/16/20 16:54	1

~~Client Sample ID: MW-100 DNAPL~~

~~Lab Sample ID: 480-177853-5~~

~~Date Collected: 11/05/20 12:00~~

~~Matrix: Waste~~

~~Date Received: 11/06/20 11:30~~

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40000	11000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1,2,2-Tetrachloroethane	ND		40000	6500	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1,2-Trichloroethane	ND		40000	8400	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40000	20000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1-Dichloroethane	ND		40000	12000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1-Dichloroethene	ND		40000	14000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2,4-Trichlorobenzene	ND		40000	15000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dibromo-3-Chloropropane	ND		40000	20000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dichlorobenzene	ND		40000	10000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dichloroethane	ND		40000	16000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dichloropropane	ND		40000	6500	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,3-Dichlorobenzene	ND		40000	11000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,4-Dichlorobenzene	ND		40000	5600	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
2-Butanone (MEK)	ND		200000	120000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
2-Hexanone	ND		200000	82000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
4-Methyl-2-pentanone (MIBK)	ND		200000	13000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Acetone	ND		200000	160000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Benzene	1500000		40000	7600	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Bromodichloromethane	ND		40000	8000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Bromoform	ND		40000	20000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Bromomethane	ND		40000	8800	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Carbon-disulfide	ND		40000	18000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Carbon-tetrachloride	ND		40000	10000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Chlorobenzene	ND		40000	5300	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Dibromochloromethane	ND		40000	19000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Chloroethane	ND		40000	8300	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Chloroform	ND		40000	27000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Chloromethane	ND		40000	9500	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
cis-1,2-Dichloroethene	ND		40000	11000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
cis-1,3-Dichloropropene	ND		40000	9500	ug/Kg		11/17/20 14:20	11/19/20 12:00	400

Eurofins TestAmerica, Buffalo

NON-AQUEOUS PHASE LIQUID (NAPL)

Project: NYSDEC 31 Tonawanda St- Off- Site #C915332,
31 Tonawanda, New York
Laboratory: Eurofins Environment Testing TestAmerica, Amherst, NY
Sample Delivery Group: 480-165255-1
Fraction: Organic
Matrix: Solid
Report Date: 7/24/2020

This data usability summary report is based upon a review of analytical data generated for surface water and waste samples. The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The samples were analyzed for volatile organic compounds, semivolatile organic compounds, and polychlorinated biphenyls. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the "National Functional Guidelines for Organic Superfund Methods Data Review", USEPA January 2017. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
X	•	Surrogate Compound Recoveries
	•	Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
	•	Field Duplicate Analysis Results
X	•	Laboratory Fortified Blank Results
X	•	Internal Standard Performance
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

July 24, 2020
Date

1.0 DATA COMPLETENESS

The NYSDEC ASP Category B deliverable data were provided by the laboratory.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody documentation was complete.

The samples were received in acceptable condition.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs \leq 20 percent) was exceeded for the following volatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect result is marked "UJ" to indicate that it is an estimate.

Calibration Standard	Analyte	%Difference	Associated Samples
CCVIS 480-515121/3 (Laboratory ID N1007.D)	Carbon Disulfide	-21.7	1660-MW-7-DNAPL

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs \leq 20 percent) was exceeded for the following semivolatile continuing calibration standards. This indicates a lack of instrument stability for the compound. The nondetect result is marked "UJ" to indicate that it is an estimate.

Calibration Standard	Analyte	%Difference	Associated Samples
CCVIS 480-514651/3 (Laboratory ID Y0281426.D)	Pentachlorophenol	20.5	BSA-SW1

The continuing calibration precision criterion (the percent difference between initial and continuing CFs ≤ 15 percent) was exceeded for the polychlorinated biphenyls continuing calibration standards presented in Table 2. This indicates a lack of instrument stability for these analytes. The results for polychlorinated biphenyls for associated samples are considered quantitative estimates. Nondetect results are marked "UJ".

6.0 *LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

No compounds were detected in the associated laboratory method blanks.

Trip blanks and field blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 *SURROGATE COMPOUNDS*

Sample 1660-MW-7-DNAPL was analyzed for semivolatile organic compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

Sample 1660-MW-7-DNAPL was analyzed for polychlorinated biphenyls at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

8.0 ***MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

9.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted for this job number.

10.0 ***LABORATORY CONTROL SAMPLE RESULTS***

All criteria were met. No qualifiers were applied.

11.0 ***INTERNAL STANDARD PERFORMANCE***

All criteria were met. No qualifiers were applied.

12.0 ***QUALITATIVE IDENTIFICATION***

All criteria were met. No qualifiers were applied.

13.0 ***QUANTITATION/REPORTING LIMITS***

Sample 1660-MW-7-DNAPL was analyzed for volatile organic compounds at a 2000-fold dilution. The dilution analysis was performed because of the suspected presence of high levels of target compounds and/or interferences. Reporting limits (RLs) are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for this sample.

Sample 1660-MW-7-DNAPL was analyzed for semivolatile organic compounds at a 200-fold dilution. The dilution analysis was performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these

samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for this sample.

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Semivolatile Organic Compounds	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Polychlorinated Biphenyls	Method 8082A, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St- Off- Site #C915332
 Surface Water and Waste Sampling
 Test America Job ID 480-165255-1

Analyses Performed							
Sample ID	Lab ID		Collection Date	Matrix	VOC	SVOC	PCB
BSA-SW1	480-165255	1	1/15/2020	Surface Water	X	X	X
1660-MW-7-DNAPL	480-165255	2	1/15/2020	Waste	X	X	X

Table 2

Polychlorinated Biphenyls Continuing Calibrations Exceeding Precision Criteria

Calibration Standard	Analyte	%Difference	Associated Samples
File ID CCVIS 480-514702/5\7_64-126.D (GC Column:ZB-5)	Aroclor 1016	1	1660-MW-7-DNAPL
	Aroclor 1016	2	
	Aroclor 1016	3	
	Aroclor 1016	4	
	Aroclor 1016	5	
	Aroclor 1260	1	
	Aroclor 1260	2	
	Aroclor 1260	3	
	Aroclor 1260	4	
	Aroclor 1260	5	
File ID CCVIS 480-514702/5\7_64-126.D (GC Column:ZB-35)	Aroclor 1016	1	1660-MW-7-DNAPL
	Aroclor 1016	2	
	Aroclor 1016	3	
	Aroclor 1016	4	
	Aroclor 1016	5	
	Aroclor 1260	1	
	Aroclor 1260	2	
	Aroclor 1260	3	
	Aroclor 1260	4	
	Aroclor 1260	5	

Table 2

Polychlorinated Biphenyls Continuing Calibrations Exceeding Precision Criteria

Calibration Standard	Analyte		%Difference	Associated Samples
File ID CCVIS 480-514702/7\7_64-128.D (GC Column:ZB-5)	Aroclor 1232	1	21.6	1660-MW-7-DNAPL
	Aroclor 1232	2		
	Aroclor 1232	3	33.4	
	Aroclor 1232	4		
	Aroclor 1232	5	21.6	
	Aroclor 1262	1		
	Aroclor 1262	2		
	Aroclor 1262	3	35.40	
	Aroclor 1262	4		
	Aroclor 1262	5	22.3	
File ID CCVIS 480-514702/7\7_64-128.D (GC Column:ZB-35)	Aroclor 1232	1		1660-MW-7-DNAPL
	Aroclor 1232	2	32.2	
	Aroclor 1232	3	25.9	
	Aroclor 1232	4	38.400	
	Aroclor 1232	5	22.3	
	Aroclor 1262	1	46.9000	
	Aroclor 1262	2	61.4	
	Aroclor 1262	3	64.40	
	Aroclor 1262	4		
	Aroclor 1262	5	26.9	
File ID CCVIS 480-514702/11\7_64-132.D (GC Column:ZB-35)	Aroclor 1248	1	46.9000	1660-MW-7-DNAPL
	Aroclor 1248	2	61.4	
	Aroclor 1248	3	64.40	
	Aroclor 1248	4		
	Aroclor 1248	5	26.9	

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165255-1

Client Sample ID: 1660-MW-7-DNAPL

Lab Sample ID: 480-165255-2

Date Collected: 01/15/20 11:00

Matrix: Waste

Date Received: 01/16/20 12:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	440000		200000	54000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,1,2,2-Tetrachloroethane	ND		200000	32000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,1,2-Trichloroethane	ND		200000	41000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200000	98000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,1-Dichloroethane	77000	J ✓	200000	60000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,1-Dichloroethene	ND		200000	68000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,2,4-Trichlorobenzene	ND		200000	74000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,2-Dibromo-3-Chloropropane	ND		200000	98000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,2-Dichlorobenzene	ND		200000	50000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,2-Dichloroethane	ND		200000	80000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,2-Dichloropropane	ND		200000	32000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,3-Dichlorobenzene	ND		200000	52000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,4-Dichlorobenzene	ND		200000	27000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
2-Butanone (MEK)	ND		980000	580000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
2-Hexanone	ND		980000	400000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
4-Methyl-2-pentanone (MIBK)	ND		980000	63000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Acetone	ND		980000	800000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Benzene	220000		200000	37000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Bromodichloromethane	ND		200000	39000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Bromoform	ND		200000	98000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Bromomethane	ND		200000	43000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Carbon disulfide	ND	W	200000	89000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Carbon tetrachloride	ND		200000	50000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Chlorobenzene	ND		200000	26000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Dibromochloromethane	ND		200000	95000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Chloroethane	ND		200000	41000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Chloroform	ND		200000	130000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Chloromethane	ND		200000	47000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
cis-1,2-Dichloroethene	5800000		200000	54000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
cis-1,3-Dichloropropene	ND		200000	47000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Cyclohexane	ND		200000	43000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Dichlorodifluoromethane	ND		200000	85000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Ethylbenzene	1800000		200000	57000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
1,2-Dibromoethane	ND		200000	34000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Isopropylbenzene	33000	J	200000	29000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Methyl acetate	ND		980000	93000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Methyl tert-butyl ether	ND		200000	74000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Methylcyclohexane	ND		200000	92000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Methylene Chloride	ND		200000	39000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Styrene	400000		200000	47000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Tetrachloroethene	ND		200000	26000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Toluene	470000		200000	52000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
trans-1,2-Dichloroethene	ND		200000	46000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
trans-1,3-Dichloropropene	ND		200000	19000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Trichloroethene	890000		200000	54000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Trichlorofluoromethane	ND		200000	92000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Vinyl chloride	ND		200000	66000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000
Xylenes, Total	1500000		390000	110000	ug/Kg		01/23/20 13:34	01/28/20 12:34	2000

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165255-1

Client Sample ID: 1660-MW-7-DNAPL

Lab Sample ID: 480-165255-2

Date Collected: 01/15/20 11:00

Matrix: Waste

Date Received: 01/16/20 12:28

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	01/23/20 13:34	01/28/20 12:34	2000
1,2-Dichloroethane-d4 (Surr)	97		53 - 146	01/23/20 13:34	01/28/20 12:34	2000
4-Bromofluorobenzene (Surr)	102		49 - 148	01/23/20 13:34	01/28/20 12:34	2000
Dibromofluoromethane (Surr)	94		60 - 140	01/23/20 13:34	01/28/20 12:34	2000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	4000000	J	7800000	1200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
bis (2-chloroisopropyl) ether	ND		7800000	1600000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2,4,5-Trichlorophenol	ND		7800000	2100000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2,4,6-Trichlorophenol	ND		7800000	1600000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2,4-Dichlorophenol	ND		7800000	830000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2,4-Dimethylphenol	ND		7800000	1900000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2,4-Dinitrophenol	ND		77000000	36000000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2,4-Dinitrotoluene	ND		7800000	1600000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2,6-Dinitrotoluene	ND		7800000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2-Chloronaphthalene	ND		7800000	1300000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2-Chlorophenol	ND		7800000	1400000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2-Methylphenol	ND		7800000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2-Methylnaphthalene	32000000		7800000	1600000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2-Nitroaniline	ND		15000000	1200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
2-Nitrophenol	ND		7800000	2200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
3,3'-Dichlorobenzidine	ND		15000000	9200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
3-Nitroaniline	ND		15000000	2200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
4,6-Dinitro-2-methylphenol	ND		15000000	7800000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
4-Bromophenyl phenyl ether	ND		7800000	1100000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
4-Chloro-3-methylphenol	ND		7800000	1900000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
4-Chloroaniline	ND		7800000	1900000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
4-Chlorophenyl phenyl ether	ND		7800000	970000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
4-Methylphenol	ND		15000000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
4-Nitroaniline	ND		15000000	4100000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
4-Nitrophenol	ND		15000000	5500000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Acenaphthene	2900000	J	7800000	1200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Acenaphthylene	8200000		7800000	1000000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Acetophenone	ND		7800000	1100000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Anthracene	5900000	J	7800000	1900000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Atrazine	ND		7800000	2700000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Benzaldehyde	ND		7800000	6200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Benzo[a]anthracene	3700000	J	7800000	780000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Benzo[a]pyrene	3300000	J	7800000	1200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Benzo[b]fluoranthene	2500000	J	7800000	1200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Benzo[g,h,i]perylene	1300000	J	7800000	830000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Benzo[k]fluoranthene	ND		7800000	1000000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Bis(2-chloroethoxy)methane	ND		7800000	1700000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Bis(2-chloroethyl)ether	ND		7800000	1000000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Bis(2-ethylhexyl) phthalate	ND		7800000	2700000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Butyl benzyl phthalate	ND		7800000	1300000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Caprolactam	ND		7800000	2400000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Carbazole	ND		7800000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Chrysene	2900000	J	7800000	1800000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165255-1

Client Sample ID: 1660-MW-7-DNAPL

Lab Sample ID: 480-165255-2

Date Collected: 01/15/20 11:00

Matrix: Waste

Date Received: 01/16/20 12:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		7800000	1400000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Di-n-butyl phthalate	ND		7800000	1300000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Di-n-octyl phthalate	ND		7800000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Dibenzofuran	ND		7800000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Diethyl phthalate	ND		7800000	1000000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Dimethyl phthalate	ND		7800000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Fluoranthene	6000000	J	7800000	830000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Fluorene	5500000	J	7800000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Hexachlorobenzene	ND		7800000	1100000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Hexachlorobutadiene	ND		7800000	1200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Hexachlorocyclopentadiene	ND		7800000	1100000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Hexachloroethane	ND		7800000	1000000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Indeno[1,2,3-cd]pyrene	ND		7800000	970000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Isophorone	ND		7800000	1700000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
N-Nitrosodi-n-propylamine	ND		7800000	1300000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
N-Nitrosodiphenylamine	ND		7800000	6400000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Naphthalene	50000000		7800000	1000000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Nitrobenzene	ND		7800000	880000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Pentachlorophenol	ND		15000000	7800000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Phenanthrene	22000000		7800000	1200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Phenol	ND		7800000	1200000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200
Pyrene	13000000		7800000	920000	ug/Kg		01/22/20 15:06	01/23/20 20:43	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	X	53 - 120	01/22/20 15:06	01/23/20 20:43	200
Phenol-d5 (Surr)	0	X	54 - 120	01/22/20 15:06	01/23/20 20:43	200
p-Terphenyl-d14 (Surr)	0	X	79 - 130	01/22/20 15:06	01/23/20 20:43	200
2,4,6-Tribromophenol (Surr)	0	X	54 - 120	01/22/20 15:06	01/23/20 20:43	200
2-Fluorobiphenyl (Surr)	97		60 - 120	01/22/20 15:06	01/23/20 20:43	200
2-Fluorophenol (Surr)	0	X	52 - 120	01/22/20 15:06	01/23/20 20:43	200

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	UJ	83	16	mg/Kg		01/22/20 15:10	01/23/20 16:40	20
PCB-1221	ND		83	16	mg/Kg		01/22/20 15:10	01/23/20 16:40	20
PCB-1232	ND	UJ	83	16	mg/Kg		01/22/20 15:10	01/23/20 16:40	20
PCB-1242	ND		83	16	mg/Kg		01/22/20 15:10	01/23/20 16:40	20
PCB-1248	ND	UJ	83	16	mg/Kg		01/22/20 15:10	01/23/20 16:40	20
PCB-1254	ND		83	3.9	mg/Kg		01/22/20 15:10	01/23/20 16:40	20
PCB-1260	ND	UJ	83	3.9	mg/Kg		01/22/20 15:10	01/23/20 16:40	20
PCB-1262	ND	UJ	83	3.9	mg/Kg		01/22/20 15:10	01/23/20 16:40	20
PCB-1268	ND		83	3.9	mg/Kg		01/22/20 15:10	01/23/20 16:40	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	36	X DL	60 - 154	01/22/20 15:10	01/23/20 16:40	20
DCB Decachlorobiphenyl (Surr)	79		65 - 174	01/22/20 15:10	01/23/20 16:40	20

SMK
1/16/2020

Eurofins TestAmerica, Buffalo

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Environmental Testing -Test America
Job No: 480-175853-1
Fraction: Organic
Matrix: Aqueous and Solid
Report Date: 1/22/2021

This data usability summary report is based upon a review of analytical data generated for groundwater and DNAPL samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds, semivolatile organic compounds, pesticide compounds, and polychlorinated biphenyls. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

For the volatile and semivolatile fraction determined by Gas Chromatography/Mass Spectrometry, library searches were performed to “tentatively identify” chromatographic peaks whose characteristics did not match those of targeted compounds. Library searches were performed for up to ten volatile and twenty semivolatile extraneous peaks.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II “National Functional Guidelines for Organic Superfund Methods Data Review”, USEPA January 2017. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
X	•	Surrogate Compound Recoveries
	•	Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
	•	Field Duplicate Analysis Results
X	•	Laboratory Control Sample Results
X	•	Internal Standard Performance
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

January 22, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed the following missing items or issues:

Continuing calibration criterion was not met for methoxychlor, heptachlor, and 4, 4'-DDT for standards CCV 480-569484/5 and CCV 480-569484/7. There was no mention in the case narrative.

Continuing calibration criterion was not met for aroclor 1016 for standards CCV 480-558765-1. There was no mention in the case narrative.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

The semivolatile organic compound results for sample MW-100 should be considered biased low quantitative estimates, and may be higher than reported. The sample was extracted 4-days outside of the method 7-day method hold time. Because the sample was extracted outside of the holding time, chemical or biological degradation may have occurred. Positive results for semivolatile organic compounds for the samples have been marked with "J" qualifiers to indicate that they are quantitative estimates. Reporting limits (RLs) have been marked "UJ".

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs ≤ 20 percent) was exceeded for the following volatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect results for these compounds have been marked "UJ" to indicate that they are quantitative estimates.

Calibration Standard	Compound	%Difference	Associated Samples
CCV 480-559861/3 (File ID N7433.D)	1,1,2-Trichloro-1,2,2-trifluoroethane	28.0	MW-100 DNAPL
	Carbon Disulfide	22.1	
	Carbon Tetrachloride	22.3	
	Methylcyclohexane	25.3	

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs ≤ 20 percent) was exceeded for the following semivolatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. Positive results for these compounds have been marked with "J" qualifiers to indicate that they are quantitative estimates. Nondetect results are marked "UJ". Sample MW-100 was qualified previously due to holing times.

Calibration Standard	Analyte	%Difference	Associated Samples
CCV 480-560544/3 (Laboratory ID V3148308.D)	Bis(2-Chloroisopropyl) ether	-44.4	MW-100 DNAPL
	Hexachlorobutadiene	26.4	
CCV 480-559179/3 (Laboratory ID W10010932.D)	4-Nitrophenol	21.0	MW-8R, MW-103, MW-106
CCV 480-560162/3 (Laboratory ID W10011114.D)	Bis(2-Chloroisopropyl) ether	-31.3	MW-100
	Hexachlorobutadiene	21.8	

The continuing calibration precision criterion (the percent difference between initial and continuing relative response factors (RRF) ≤ 15 percent) was exceeded for the following pesticide continuing calibration standard. This indicates a lack of instrument stability for this analyte. Results for the compounds should be considered quantitative estimates. Positive results for these compounds have been marked with "J" qualifiers to indicate that they are quantitative estimates. Nondetect results are marked "UJ".

Calibration Standard	Analyte	%Difference	Associated Samples
CCV 480-569484/5 (File ID 25_40-267.D) (Column ID RTX CLP-I)	Hepatchlor	24.8	MW-8R, MW-106
	4,4'-DDT	28.5	
	Methoxychlor	35.0	
CCV 480-558484/7 (Column ID RTX CLP-II)	Toxaphene 1	34.6	MW-8R, MW-106
	Toxaphene 2	30.1	

Table 2 presents polychlorinated biphenyls calibration standards that exceeded the precision criterion (the percent difference between initial and continuing CFs ≤ 20 percent). This indicates a lack of instrument stability for these analytes. The results for polychlorinated biphenyls for associated samples are considered quantitative estimates. There were no positive results for the analytes. Nondetect results for the samples are marked "UJ" to indicate that they are estimates.

6.0

LABORATORY AND FIELD BLANK ANALYSIS RESULTS

The following pesticide compounds were detected in associated laboratory method blanks.

Blank	Compound	Concentration ($\mu\text{g/L}$)	Associated Samples
MB 480-558262/1-A	4,4'-DDT	0.0291 J	MW-8R, MW-100, MW-103, MW-106
	Endrin Aldehyde	0.0272 J	
	gamma-BHC	0.00893 J	
MB 480-559856/1-A	delta-BHC	0.154 J	MW-100 DNAPL

The blank results were less than the reporting limit. The following positive results reported for these compounds are also less than the RL and require qualification. The possibility of false positive exists for the samples. USEPA protocol requires positive results for uncommon contaminants, that are less than or equal to the associated blank

contamination RL to be considered qualitatively invalid. They have been replaced with the RL and marked "U".

Compound	Qualified Results
gamma-BHC	MW-8R, MW-103

Field and equipment blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 ***SURROGATE COMPOUNDS***

Samples MW-100 and MW-100 DNAPL were analyzed for semivolatile organic compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

Samples MW-100 and MW-100 DNAPL were analyzed for pesticide compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

8.0 ***SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

9.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted for this job number.

10.0**LABORATORY CONTROL SAMPLE RESULTS**

The following table summarizes the semivolatile laboratory control sample (LCS)/ laboratory control sample duplicate (LCSD) results that did not meet the indicated acceptance limits:

Compound	LCS (480-559859/2-A) %REC	LCSD (480-559859/3-A) %REC	QC Limits
Atrazine	133	129	60-127
Benzo(g,h,i) perylene		150	45-145
Dibenz (a,h) anthracene	135	137	54-132
Hexachlorobenzene		127	60-120
Hexachlorobutadiene	124	122	45-120
Indeno (1,2,3-cd) pyrene	136	143	56-124

The high recoveries for the above compounds suggest inefficiencies with the extraction/analytical processes. Sample MW-100 DNAPL is associated with the unacceptable LCS/LCSD. Positive results for the compounds should be considered biased high quantitative estimates, and may be higher than reported. The positive results are marked "J".

11.0**INTERNAL STANDARD PERFORMANCE**

All criteria were met. No qualifiers were applied.

13.0**QUALITATIVE IDENTIFICATION**

All criteria were met. No qualifiers were applied.

14.0**QUANTITATION/REPORTING LIMITS**

The following pesticide compounds were reported by the laboratory at concentrations less than the RL. Poor precision was observed for these compounds on the dual chromatographic columns used for sample analysis (greater than 50 % difference between results). The laboratory for

reporting purposes used the higher concentration for these compounds. The positive pesticide results should be considered non-detected at the quantitation limit. The results have been replaced with the RL and marked "U".

Sample	Affected Compound
MW-100 DNAPL	4,4'-DDT

For the following samples, a lack of precision (greater than 25 % difference between results) was observed for this analyte on the dual chromatographic columns used for sample analysis. The laboratory for reporting purposes used the higher concentration for these compounds. The result has been marked with "J" qualifiers to indicate that it is a quantitative estimate.

Sample	Affected Compound
MW-8R	gamma-BHC
MW-106	gamma-BHC, heptachlor, 4,4'-DDT

Sample MW-100 DNAPL for volatile organic compound analyses was collected in accordance with protocols specified by SW-846 method 5035. The sample was then analyzed for volatile organic compounds according to medium level protocols. The RLs for the nondetect volatile compounds for the sample are elevated by its medium level protocol dilution factor for compounds that were not detected. The elevated RLs should be noted when assessing the data.

The samples presented below were analyzed volatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-8R	1000
MW-100	200
MW-103	20.0
MW-106	20.0
MW-100	100
DNAPL	

The samples presented below were analyzed semivolatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-100	50.0
MW-100	100
DNAPL	

The samples presented below were analyzed pesticide compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-100	100
MW-100 DNAPL	10.0

MW-100 DNAPL was analyzed for polychlorinated biphenyls at a ten-fold dilution. The dilution analysis was performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for the sample.

Sample MW-100 DNAPL was re-analyzed at a 1000-fold dilution for volatile organic compounds. The reanalysis was performed because the response for ethylbenzene exceeded the linear range of the GC/MS instrument for the initial analysis. The affected result was reported from the dilution analysis. All other results have been reported from the initial analysis.

The samples presented below were re-analyzed at dilutions for semivolatile organic compounds. The samples were re-analyzed because the responses for compounds exceeded the linear range of the GC/MS instrument. The results for these compounds have been reported from the dilution analyses. All other results are reported from the initial analyses.

Sample	Dilution Factor	Results Exceeding the Linear Range
MW-8R	200	2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Naphthalene
MW-100	200	2-Methylnaphthalene, Acenaphthene, Phenanthrene
MW-103	5.0	Acenaphthene, Phenanthrene
MW-106	5.0	Acenaphthene, Phenanthrene

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

As required by USEPA protocol, all volatile and semivolatiles TICs have been reported with “J” qualifiers to indicate that they are quantitative estimates. EDQ has reported only those TIC results that have not been determined to be laboratory or field artifacts, and where possible has grouped TIC of similar classification.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Semivolatile Organic Compounds	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Pesticide Compounds	Method 8081B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Polychlorinated Biphenyls	Method 8082A, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 Eurofins Environment Test America Job Number 480-17853-1

Analyses Performed											
Sample ID	Lab ID	Collection Date	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7470A	SW7471B	D1429
MW-8R	480-177853-1	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-100	480-177853-2	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-103	480-177853-3	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-106	480-177853-4	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-100 DNAPL	480-177853-5	11/5/2020	DNAPL	X	X	X	X	X	X	X	X

Table 2 **Polychlorinated Biphenyls Continuing Calibrations Exceeding the Precision Criterion**

Calibration Standard	Analyte		%Difference	Associated Samples
CCV 480-558765/59 File ID 7_83-043.D (GC Column: ZB-5)	Aroclor 1016	1	28.4	MW-8R, MW-100, MW-103, MW-106
	Aroclor 1016	2	23.9	
	Aroclor 1016	3	26.9	
	Aroclor 1016	4	24.2	
	Aroclor 1016	5	28.4	
	Aroclor 1260	1		
	Aroclor 1260	2	25.1	
	Aroclor 1260	3		
	Aroclor 1260	4	23.1	
	Aroclor 1260	5	28.7	
CCV 480-558765/59 File ID 7_83-043.D (GC Column: ZB-35)	Aroclor 1016	1	33.0	MW-8R, MW-100, MW-103, MW-106
	Aroclor 1016	2		
	Aroclor 1016	3		
	Aroclor 1016	4		
	Aroclor 1016	5		
	Aroclor 1260	1	24.7	
	Aroclor 1260	2	26.3	
	Aroclor 1260	3	25.3	
	Aroclor 1260	4	27.0	
	Aroclor 1260	5	25.7	

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Test America
Job No: 480-175853-1
Fraction: Inorganic
Matrix: Aqueous and Solid
Report Date: 1/22/2021

This data usability summary report is based upon a review of analytical data generated for groundwater and DNAPL samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample was analyzed for total metals and specific gravity. Sample analyses were performed in accordance with the procedures outlined in the methods referenced at the end of this report.

All sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II "ICP-AES Data Validation", HW-2a, revision 15, December 2012. The quality control requirements specified in the analysis methods and associated acceptance criteria were also used to evaluate the data. The parameters presented on the following page were evaluated.

-
- X • Data Completeness
 - X • Chain of Custody Documentation/ Sample Receipt
 - X • Holding Times
 - X • Initial and Continuing Calibrations
 - X • ICP Interference Check Sample Results
 - X • Laboratory and Field Blank Analysis Results
 - X • Matrix Spike Recoveries and Reproducibility
 - X • Laboratory Duplicate Analysis Results
 - X • ICP Serial Dilution Results
 - Field Duplicate Analysis Results
 - X • Laboratory Control Sample Results
 - X • Qualitative Identification
 - X • Reporting Limits
-

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

January 22, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no missing items or issues.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INITIAL AND CONTINUING CALIBRATIONS

All criteria were met. No qualifiers were applied.

5.0 ICP INTERFERENCE CHECK SAMPLE RESULTS

Barium was detected in interference check standard (ICS) A 480-559254/8 at a concentration of 0.0071 mg/L, which is greater than twice the reporting limit. Samples MW-8R, MW-100, MW-103, and MW-106 were associated with the unacceptable ICS. The data package case narrative indicated that barium may have been present as an impurity in the standard solution. Barium results for the samples were all significantly greater than RL. Qualification was unnecessary.

6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS

The following inorganic analytes were detected in the laboratory preparation blanks, and/or calibration blanks. The positive blank results were less than their respective reporting limits (RLs). Results for the

associated samples were greater than the RL. Qualification was unnecessary.

Blank	Analyte	Concentration (mg/L)	Associated Samples
MB 480-559736/1-A, mg/Kg	Calcium	3.77 J	MW-100 DNAPL
CCB 480-559258/18	Potassium	0.117 J	MW-8R, MW-100

No field or equipment blanks were submitted for this job number. This should be noted when assessing the data.

7.0 ***MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

All criteria were met. No qualifiers were applied.

8.0 ***LABORATORY DUPLICATE RESULTS***

Laboratory duplicate precision was evaluated using the MS/MSD analysis results as discussed above in Section 7.0, Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility.

9.0 ***ICP SERIAL DILUTION RESULTS***

All criteria were met. No qualifiers were applied.

10.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted with this job number.

11.0 ***LABORATORY CONTROL SAMPLE RESULTS***

All criteria were met. No qualifiers were applied.

12.0 ***QUALITATIVE IDENTIFICATION***

All criteria were met. No qualifiers were applied.

13.0 ***REPORTING LIMITS***

As required by USEPA protocol, all analytes, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Metals	Method 6010C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Mercury	Method 7470B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Specific Gravity	Method D1429-87, ASTM

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 Eurofins Environment Test America Job Number 480-17853-1

Analyses Performed											
Sample ID	Lab ID	Collection Date	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7470A	SW7471B	D1429
MW-8R	480-177853-1	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-100	480-177853-2	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-103	480-177853-3	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-106	480-177853-4	11/5/2020	Groundwater	X	X	X	X	X	X		
MW-100 DNAPL	480-177853-5	11/5/2020	DNAPL	X	X	X	X	X	X	X	X

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

~~Client Sample ID: MW 106~~

~~Lab Sample ID: 480 177853 4~~

~~Date Collected: 11/05/20 15:15~~

~~Matrix: Water~~

~~Date Received: 11/06/20 11:30~~

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	2.0		0.0030	0.00040	mg/L		11/11/20 12:42	11/13/20 19:11	4
Nickel	ND		0.010	0.0013	mg/L		11/11/20 12:42	11/13/20 19:11	4
Potassium	10		0.50	0.10	mg/L		11/11/20 12:42	11/13/20 19:11	4
Selenium	ND		0.025	0.0087	mg/L		11/11/20 12:42	11/13/20 19:11	4
Silver	ND		0.0060	0.0017	mg/L		11/11/20 12:42	11/13/20 19:11	4
Sodium	79.6		1.0	0.32	mg/L		11/11/20 12:42	11/13/20 19:11	4
Thallium	ND		0.020	0.010	mg/L		11/11/20 12:42	11/13/20 19:11	4
Vanadium	ND		0.0050	0.0015	mg/L		11/11/20 12:42	11/13/20 19:11	4
Zinc	0.025		0.010	0.0015	mg/L		11/11/20 12:42	11/13/20 19:11	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/16/20 13:25	11/16/20 16:54	4

Client Sample ID: MW-100 DNAPL

Lab Sample ID: 480-177853-5

Date Collected: 11/05/20 12:00

Matrix: Waste

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40000	11000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1,2,2-Tetrachloroethane	ND		40000	6500	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1,2-Trichloroethane	ND		40000	8400	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40000	20000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1-Dichloroethane	ND		40000	12000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,1-Dichloroethene	ND		40000	14000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2,4-Trichlorobenzene	ND		40000	15000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dibromo-3-Chloropropane	ND		40000	20000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dichlorobenzene	ND		40000	10000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dichloroethane	ND		40000	16000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dichloropropane	ND		40000	6500	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,3-Dichlorobenzene	ND		40000	11000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,4-Dichlorobenzene	ND		40000	5600	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
2-Butanone (MEK)	ND		200000	120000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
2-Hexanone	ND		200000	82000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
4-Methyl-2-pentanone (MIBK)	ND		200000	13000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Acetone	ND		200000	160000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Benzene	1500000		40000	7600	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Bromodichloromethane	ND		40000	8000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Bromoform	ND		40000	20000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Bromomethane	ND		40000	8800	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Carbon disulfide	ND		40000	18000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Carbon tetrachloride	ND		40000	10000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Chlorobenzene	ND		40000	5300	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Dibromochloromethane	ND		40000	19000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Chloroethane	ND		40000	8300	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Chloroform	ND		40000	27000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Chloromethane	ND		40000	9500	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
cis-1,2-Dichloroethene	ND		40000	11000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
cis-1,3-Dichloropropene	ND		40000	9500	ug/Kg		11/17/20 14:20	11/19/20 12:00	400

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100 DNAPL

Lab Sample ID: 480-177853-5

Date Collected: 11/05/20 12:00

Matrix: Waste

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		40000	8800	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Dichlorodifluoromethane	ND		40000	17000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Ethylbenzene	5200000 E		40000	12000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
1,2-Dibromoethane	ND		40000	7000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Isopropylbenzene	150000		40000	6000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Methyl acetate	ND		200000	19000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Methyl tert-butyl ether	ND		40000	15000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Methylcyclohexane	ND		40000	19000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Methylene Chloride	ND		40000	7900	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Styrene	360000		40000	9600	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Tetrachloroethene	ND		40000	5400	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Toluene	3200000		40000	11000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
trans-1,2-Dichloroethene	ND		40000	9400	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
trans-1,3-Dichloropropene	ND		40000	3900	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Trichloroethene	ND		40000	11000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Trichlorofluoromethane	ND		40000	19000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Vinyl chloride	ND		40000	13000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400
Xylenes, Total	3500000		80000	22000	ug/Kg		11/17/20 14:20	11/19/20 12:00	400

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	11/17/20 14:20	11/19/20 12:00	400
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	11/17/20 14:20	11/19/20 12:00	400
4-Bromofluorobenzene (Surr)	103		49 - 148	11/17/20 14:20	11/19/20 12:00	400
Dibromofluoromethane (Surr)	98		60 - 140	11/17/20 14:20	11/19/20 12:00	400

** Report from dilution*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	100000	28000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,1,2,2-Tetrachloroethane	ND	H	100000	16000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,1,2-Trichloroethane	ND	H	100000	21000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	100000	50000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,1-Dichloroethane	ND	H	100000	31000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,1-Dichloroethene	ND	H	100000	34000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,2,4-Trichlorobenzene	ND	H	100000	38000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,2-Dibromo-3-Chloropropane	ND	H	100000	50000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,2-Dichlorobenzene	ND	H	100000	25000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,2-Dichloroethane	ND	H	100000	41000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,2-Dichloropropane	ND	H	100000	16000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,3-Dichlorobenzene	ND	H	100000	27000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,4-Dichlorobenzene	ND	H	100000	14000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
2-Butanone (MEK)	ND	H	500000	300000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
2-Hexanone	ND	H	500000	200000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
4-Methyl-2-pentanone (MIBK)	ND	H	500000	32000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Acetone	ND	H	500000	410000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Benzene	2000000	H	100000	19000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Bromodichloromethane	ND	H	100000	20000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Bromoform	ND	H	100000	50000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Bromomethane	ND	H	100000	22000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Carbon disulfide	ND	H	100000	45000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Carbon tetrachloride	ND	H	100000	25000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000

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Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100 DNAPL

Lab Sample ID: 480-177853-5

Date Collected: 11/05/20 12:00

Matrix: Waste

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	H	100000	13000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Dibromochloromethane	ND	H	100000	48000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Chloroethane	ND	H	100000	21000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Chloroform	ND	H	100000	68000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Chloromethane	ND	H	100000	24000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
cis-1,2-Dichloroethene	ND	H	100000	27000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
cis-1,3-Dichloropropene	ND	H	100000	24000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Cyclohexane	ND	H	100000	22000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Dichlorodifluoromethane	ND	H	100000	43000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Ethylbenzene	6500000	H	100000	29000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
1,2-Dibromoethane	ND	H	100000	17000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Isopropylbenzene	190000	H	100000	15000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Methyl acetate	ND	H	500000	47000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Methyl tert-butyl ether	ND	H	100000	38000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Methylcyclohexane	ND	H	100000	47000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Methylene Chloride	ND	H	100000	20000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Styrene	450000	H	100000	24000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Tetrachloroethene	ND	H	100000	13000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Toluene	4100000	H	100000	27000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
trans-1,2-Dichloroethene	ND	H	100000	24000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
trans-1,3-Dichloropropene	ND	H	100000	9800	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Trichloroethene	ND	H	100000	28000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Trichlorofluoromethane	ND	H	100000	47000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Vinyl chloride	ND	H	100000	33000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000
Xylenes, Total	4400000	H	200000	55000	ug/Kg		11/17/20 14:20	11/23/20 05:56	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		50 - 149	11/17/20 14:20	11/23/20 05:56	1000
1,2-Dichloroethane-d4 (Surr)	106		53 - 146	11/17/20 14:20	11/23/20 05:56	1000
4-Bromofluorobenzene (Surr)	105		49 - 148	11/17/20 14:20	11/23/20 05:56	1000
Dibromofluoromethane (Surr)	104		60 - 140	11/17/20 14:20	11/23/20 05:56	1000

Report

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5200000		3600000	540000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
bis (2-chloroisopropyl) ether	ND		3600000	730000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2,4,5-Trichlorophenol	ND		3600000	990000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2,4,6-Trichlorophenol	ND		3600000	730000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2,4-Dichlorophenol	ND		3600000	390000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2,4-Dimethylphenol	ND		3600000	880000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2,4-Dinitrophenol	ND		3600000	1700000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2,4-Dinitrotoluene	ND		3600000	750000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2,6-Dinitrotoluene	ND		3600000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2-Chloronaphthalene	ND		3600000	600000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2-Chlorophenol	ND		3600000	660000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2-Methylphenol	ND		3600000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2-Methylnaphthalene	41000000		3600000	730000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2-Nitroaniline	ND		7100000	540000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
2-Nitrophenol	ND		3600000	1000000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
3,3'-Dichlorobenzidine	ND		7100000	4300000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100 DNAPL

Lab Sample ID: 480-177853-5

Date Collected: 11/05/20 12:00

Matrix: Waste

Date Received: 11/06/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		7100000	1000000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
4,6-Dinitro-2-methylphenol	ND		7100000	3600000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
4-Bromophenyl phenyl ether	ND		3600000	510000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
4-Chloro-3-methylphenol	ND		3600000	900000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
4-Chloroaniline	ND		3600000	900000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
4-Chlorophenyl phenyl ether	ND		3600000	450000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
4-Methylphenol	ND		7100000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
4-Nitroaniline	ND		7100000	1900000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
4-Nitrophenol	ND		7100000	2600000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Acenaphthene	4500000		3600000	540000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Acenaphthylene	14000000		3600000	470000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Acetophenone	ND		3600000	490000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Anthracene	7700000		3600000	900000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Atrazine	ND		3600000	1300000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Benzaldehyde	ND		3600000	2900000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Benzo[a]anthracene	3900000		3600000	360000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Benzo[a]pyrene	4500000		3600000	540000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Benzo[b]fluoranthene	2200000	J	3600000	580000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Benzo[g,h,i]perylene	2300000	J	3600000	390000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Benzo[k]fluoranthene	1200000	J	3600000	470000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Bis(2-chloroethoxy)methane	ND		3600000	770000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Bis(2-chloroethyl)ether	ND		3600000	470000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Bis(2-ethylhexyl) phthalate	ND		3600000	1200000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Butyl benzyl phthalate	ND		3600000	600000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Caprolactam	ND		3600000	1100000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Carbazole	ND		3600000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Chrysene	3400000	J	3600000	810000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Dibenz(a,h)anthracene	ND		3600000	640000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Di-n-butyl phthalate	ND		3600000	620000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Di-n-octyl phthalate	ND		3600000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Dibenzofuran	1400000	J	3600000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Diethyl phthalate	ND		3600000	470000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Dimethyl phthalate	ND		3600000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Fluoranthene	8100000		3600000	390000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Fluorene	7800000		3600000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Hexachlorobenzene	ND		3600000	490000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Hexachlorobutadiene	ND		3600000	540000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Hexachlorocyclopentadiene	ND		3600000	490000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Hexachloroethane	ND		3600000	470000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Indeno[1,2,3-cd]pyrene	1500000	J	3600000	450000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Isophorone	ND		3600000	770000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
N-Nitrosodi-n-propylamine	ND		3600000	620000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
N-Nitrosodiphenylamine	ND		3600000	3000000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Naphthalene	71000000		3600000	470000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Nitrobenzene	ND		3600000	410000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Pentachlorophenol	ND		7100000	3600000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Phenanthrene	27000000		3600000	540000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Phenol	ND		3600000	560000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100
Pyrene	14000000		3600000	430000	ug/Kg		11/19/20 07:09	11/24/20 01:14	100

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100 DNAPL

Lab Sample ID: 480-177853-5

Date Collected: 11/05/20 12:00

Matrix: Waste

Date Received: 11/06/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	X	53 - 120	11/19/20 07:09	11/24/20 01:14	100
Phenol-d5 (Surr)	0	X	54 - 120	11/19/20 07:09	11/24/20 01:14	100
p-Terphenyl-d14 (Surr)	0	X	79 - 130	11/19/20 07:09	11/24/20 01:14	100
2,4,6-Tribromophenol (Surr)	0	X	54 - 120	11/19/20 07:09	11/24/20 01:14	100
2-Fluorobiphenyl (Surr)	105		60 - 120	11/19/20 07:09	11/24/20 01:14	100
2-Fluorophenol (Surr)	0	X	52 - 120	11/19/20 07:09	11/24/20 01:14	100

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.75	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
4,4'-DDE	ND		3.8	1.1	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
4,4'-DDT	3.6	17/10	3.8	0.85	mg/Kg		11/19/20 07:03	11/20/20 11:32	20
Aldrin	ND		3.8	0.39	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
alpha-BHC	ND		3.8	0.69	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
cis-Chlordane	ND		3.8	1.9	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
beta-BHC	ND		3.8	2.8	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
delta-BHC	ND		3.8	0.51	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Dieldrin	ND		3.8	0.92	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Endosulfan I	ND		3.8	0.82	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Endosulfan II	ND		3.8	0.69	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Endosulfan sulfate	ND		3.8	0.72	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Endrin	ND		3.8	1.2	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Endrin aldehyde	ND		3.8	0.98	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Endrin ketone	ND		3.8	0.92	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
gamma-BHC (Lindane)	ND		3.8	2.8	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
trans-Chlordane	ND		3.8	0.53	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Heptachlor	ND		3.8	0.60	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Heptachlor epoxide	ND		3.8	1.0	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Methoxychlor	3.7	J	3.8	1.0	mg/Kg		11/19/20 07:03	11/20/20 11:32	10
Toxaphene	ND		38	22	mg/Kg		11/19/20 07:03	11/20/20 11:32	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	11/19/20 07:03	11/20/20 11:32	10
DCB Decachlorobiphenyl	0	X	45 - 120	11/19/20 07:03	11/20/20 11:32	10
Tetrachloro-m-xylene	90		30 - 124	11/19/20 07:03	11/20/20 11:32	10
Tetrachloro-m-xylene	90		30 - 124	11/19/20 07:03	11/20/20 11:32	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	6.5	mg/Kg		11/19/20 07:13	11/19/20 23:02	10
PCB-1221	ND		33	6.5	mg/Kg		11/19/20 07:13	11/19/20 23:02	10
PCB-1232	ND		33	6.5	mg/Kg		11/19/20 07:13	11/19/20 23:02	10
PCB-1242	ND		33	6.5	mg/Kg		11/19/20 07:13	11/19/20 23:02	10
PCB-1248	ND		33	6.5	mg/Kg		11/19/20 07:13	11/19/20 23:02	10
PCB-1254	ND		33	1.6	mg/Kg		11/19/20 07:13	11/19/20 23:02	10
PCB-1260	ND		33	1.6	mg/Kg		11/19/20 07:13	11/19/20 23:02	10
PCB-1262	ND		33	1.6	mg/Kg		11/19/20 07:13	11/19/20 23:02	10
PCB-1268	ND		33	1.6	mg/Kg		11/19/20 07:13	11/19/20 23:02	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	99		60 - 154	11/19/20 07:13	11/19/20 23:02	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177853-1

Client Sample ID: MW-100 DNAPL

Lab Sample ID: 480-177853-5

Date Collected: 11/05/20 12:00

Matrix: Waste

Date Received: 11/06/20 11:30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	90		60 - 154	11/19/20 07:13	11/19/20 23:02	10
DCB Decachlorobiphenyl (Surr)	118		65 - 174	11/19/20 07:13	11/19/20 23:02	10
DCB Decachlorobiphenyl (Surr)	148		65 - 174	11/19/20 07:13	11/19/20 23:02	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	23.9		9.9	4.4	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Antimony	ND		14.9	0.40	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Arsenic	0.93	J	2.0	0.40	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Barium	0.58	✓	0.50	0.11	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Beryllium	ND		0.20	0.028	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Cadmium	ND		0.20	0.030	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Calcium	105	✗	49.6	3.3	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Chromium	0.25	J	0.50	0.20	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Cobalt	ND		0.50	0.050	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Copper	0.52	J	0.99	0.21	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Iron	39.7		9.9	3.5	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Lead	0.64	J	0.99	0.24	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Magnesium	34.4		19.8	0.92	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Manganese	0.78		0.20	0.032	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Nickel	ND		5.0	0.23	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Potassium	ND		29.8	19.8	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Selenium	ND		4.0	0.40	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Silver	ND		0.60	0.20	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Sodium	ND		139	12.9	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Thallium	ND		6.0	0.30	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Vanadium	0.50		0.50	0.11	mg/Kg		11/19/20 09:19	11/19/20 19:35	1
Zinc	0.89	J	2.0	0.63	mg/Kg		11/19/20 09:19	11/19/20 19:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023	0.0093	mg/Kg		11/17/20 16:31	11/17/20 19:58	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	1.0275		0.1000	0.1000	g/mL			11/18/20 14:00	1

em
12/02/20

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Test America
Job No: 480-177477-1
Fraction: Inorganic
Matrix: Solid
Report Date: 1/23/2021

This data usability summary report is based upon a review of analytical data generated for DNAPL samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample was analyzed for total metals and specific gravity. Sample analyses were performed in accordance with the procedures outlined in the methods referenced at the end of this report.

All sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II "ICP-AES Data Validation", HW-2a, revision 15, December 2012. The quality control requirements specified in the analysis methods and associated acceptance criteria were also used to evaluate the data. The parameters presented on the following page were evaluated.

-
- X • Data Completeness
 - X • Chain of Custody Documentation/ Sample Receipt
 - X • Holding Times
 - X • Initial and Continuing Calibrations
 - X • ICP Interference Check Sample Results
 - X • Laboratory and Field Blank Analysis Results
 - Matrix Spike Recoveries and Reproducibility
 - Laboratory Duplicate Analysis Results
 - ICP Serial Dilution Results
 - Field Duplicate Analysis Results
 - X • Laboratory Control Sample Results
 - X • Qualitative Identification
 - X • Reporting Limits
-

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

January 23, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no missing items or issues.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INITIAL AND CONTINUING CALIBRATIONS

All criteria were met. No qualifiers were applied.

5.0 ICP INTERFERENCE CHECK SAMPLE RESULTS

Barium was detected in interference check standard (ICS) A 480-559254/8 at a concentration of 0.0066 mg/L, which is greater than twice the reporting limit. Samples MW-5R, MW-8, and MW-100 were associated with the unacceptable ICS. The data package case narrative indicated that barium may have been present as an impurity in the standard solution. Barium results for the samples were all significantly greater than reporting limit (RL). Qualification was unnecessary.

6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS

The following inorganic analytes were detected in the laboratory preparation blanks, and/or calibration blanks. The positive blank results were less than their respective reporting limits (RLs). Positive results for

the associated samples were greater than the RL. Qualification was unnecessary.

Blank	Analyte	Concentration (mg/L)	Associated Samples
MB 480-561333/1-A, mg/Kg	Calcium	4.16 J	MW-5R, MW-8, MW-100
	Manganese	0.0406 J	
CCB 480-561608/88	Manganese	0.000040 J	MW-5R, MW-8, MW-100
	Molybdenum	0.00435 J	

No field or equipment blanks were submitted for this job number. This should be noted when assessing the data.

7.0 ***MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

8.0 ***LABORATORY DUPLICATE RESULTS***

Laboratory duplicate precision was evaluated using the MS/MSD analysis results as discussed above in Section 7.0, Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility.

9.0 ***ICP SERIAL DILUTION RESULTS***

The laboratory did not select a site sample to perform ICP serial dilution analyses. Therefore, the associated sample data could not be evaluated based on this parameter. This should be noted when assessing the sample data.

10.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted with this job number.

11.0 *LABORATORY CONTROL SAMPLE RESULTS*

All criteria were met. No qualifiers were applied.

12.0 *QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

13.0 *REPORTING LIMITS*

As required by USEPA protocol, all analytes, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Metals	Method 6010C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Mercury	Method 7470B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Specific Gravity	Method D1429-87, ASTM

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 Eurofins Environment Test America Job Number 480-17747-1

Analyses Performed										
Sample ID	Lab ID	Collection Date	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7471B	D1429
MW-5R	480-177477-1	10/28/2020	DNAPL	X	X	X	X	X	X	X
MW-8	480-177477-2	10/29/2020	DNAPL	X	X	X	X	X	X	X
MW-100	480-177477-3	10/29/2020	DNAPL	X	X	X	X	X	X	X

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Environmental Testing -Test America
Job No: 480-177477-1
Fraction: Organic
Matrix: Solid
Report Date: 1/23/2021

This data usability summary report is based upon a review of analytical data generated for DNAPL samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds, semivolatile organic compounds, pesticide compounds, and polychlorinated biphenyls. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

For the volatile and semivolatile fraction determined by Gas Chromatography/Mass Spectrometry, library searches were performed to “tentatively identify” chromatographic peaks whose characteristics did not match those of targeted compounds. Library searches were performed for up to ten volatile and twenty semivolatile extraneous peaks.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II “National Functional Guidelines for Organic Superfund Methods Data Review”, USEPA January 2017. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
X	•	Surrogate Compound Recoveries
	•	Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
	•	Field Duplicate Analysis Results
X	•	Laboratory Control Sample Results
X	•	Internal Standard Performance
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

January 23, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed the no missing items or issues.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

The volatile organic compound results for samples MW-5R, MW-8, and MW-100 should be considered biased low quantitative estimates, and may be higher than reported. The samples were analyzed 5 to 6 days outside of the method 14-day method hold time. Because the samples were analyzed outside of the holding time, chemical or biological degradation may have occurred. Results for volatile organic compounds for the samples have been marked with "J" qualifiers to indicate that they are biased quantitative estimates. Reporting limits (RLs) have been marked "UJ".

The semivolatile organic compound results for samples MW-5R, MW-8, and MW-100 should be considered biased low quantitative estimates, and may be higher than reported. The sample was extracted six to seven days outside of the method 14-day method hold time. Because the samples were extracted outside of the holding time, chemical or biological degradation may have occurred. Positive results for semivolatile organic compounds for the samples have been marked with "J" qualifiers to indicate that they are quantitative estimates. RLs have been marked "UJ".

The pesticide compound results for samples MW-5R, MW-8, and MW-100 should be considered biased low quantitative estimates, and may be higher than reported. The samples were extracted six to seven days outside of the method 14-day method hold time. Because the sample was extracted outside of the holding time, chemical or biological degradation

may have occurred. Positive results for pesticide compounds for the samples have been marked with “J” qualifiers to indicate that they are quantitative estimates. RLs have been marked “UJ”.

4.0 *INSTRUMENT PERFORMANCE*

All criteria were met. No qualifiers were applied.

5.0 *INITIAL AND CONTINUING CALIBRATIONS*

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs ≤ 20 percent) was exceeded for the following semivolatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. Results for the compounds are considered quantitative estimates. The samples were qualified previously due to holding times.

Calibration Standard	Analyte	%Difference	Associated Samples
CCV 480-560544/3 (Laboratory ID V3148308.D)	Bis(2-Chloroisopropyl) ether Hexachlorobutadiene	-44.4 26.4	MW-5R, MW-8, MW-100

6.0 *LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

The following pesticide compounds were detected in associated laboratory method blanks.

Blank	Compound	Concentration (µg/L)	Associated Samples
MB 480-559856/1- A	delta-BHC	0.154 J	All Samples

The blank results were less than the reporting limit. The following positive results reported for these compounds are also less than the RL

and require qualification. The possibility of false positive exists for the samples. USEPA protocol requires positive results for uncommon contaminants, that are less than or equal to the associated blank contamination RL to be considered qualitatively invalid. They have been replaced with the RL and marked "U".

Compound	Qualified Results
delta-BHC	MW-8

Field and equipment blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 *SURROGATE COMPOUNDS*

High recoveries were obtained for the surrogate compounds for the polychlorinated biphenyl analyses of the following samples. The laboratory did not re-extract the samples to confirm the unacceptable recoveries. The results were nondetect. Qualification was unnecessary.

Sample	Surrogate Compound	Column
MW-8	Decachlorobiphenyl	Both

Samples MW-5R, MW-8, and MW-100 were analyzed for semivolatile organic compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

Sample MW-5R was analyzed for pesticide compounds at a dilution that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

Samples MW-5R and MW-100 were analyzed for polychlorinated biphenyls at dilutions that did not allow for the determination of whether

the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

8.0 *SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

9.0 *FIELD DUPLICATE RESULTS*

Field duplicate samples were not submitted for this job number.

10.0 *LABORATORY CONTROL SAMPLE RESULTS*

The following table summarizes the volatile laboratory control sample (LCS) results that did not meet the indicated acceptance limits:

Compound	LCS (480 559511/21-A) %REC	QC Limits
2-Butanone	192	54-149

The high recovery indicates inefficiencies with the sample analytical process. Positive results for the compound are biased high quantitative estimates and may be lower than reported. All samples are associated with the LCS. The 2-butanone results for the samples are nondetect. Qualification was unnecessary.

The following table summarizes the semivolatile LCS/ laboratory control sample duplicate (LCSD) results that did not meet the indicated acceptance limits:

Compound	LCS (480-559859/2-A) %REC	LCSD (480-559859/3-A) %REC	QC Limits
Atrazine	133	129	60-127
Benzo(g,h,i) perylene		150	45-145
Dibenz (a,h) anthracene	135	137	54-132
Hexachlorobenzene		127	60-120
Hexachlorobutadiene	124	122	45-120
Indeno (1,2,3-cd) pyrene	136	143	56-124

The high recoveries for the above compounds suggest inefficiencies with the extraction/analytical processes. All samples were associated with the unacceptable LCS/LCSD. Positive results for the compounds should be considered biased high quantitative estimates, and may be higher than reported. The results were qualified previously due to holding times.

11.0 INTERNAL STANDARD PERFORMANCE

All criteria were met. No qualifiers were applied.

13.0 QUALITATIVE IDENTIFICATION

All criteria were met. No qualifiers were applied.

14.0 QUANTITATION/REPORTING LIMITS

The following pesticide compounds were reported by the laboratory at concentrations less than the RL. Poor precision was observed for these compounds on the dual chromatographic columns used for sample analysis (greater than 50 % difference between results). The laboratory for reporting purposes used the higher concentration for these compounds. The positive pesticide results should be considered nondetect at the RL. The results have been replaced with the RL and marked "U".

Sample	Affected Compound
MW-5R	4,4'-DDT

Samples MW-5R and MW-100 for volatile organic compound analyses were collected in accordance with protocols specified by SW-846 method 5035. The sample was then analyzed for volatile organic compounds according to medium level protocols. The RLs for the nondetect volatile compounds for the sample are elevated by its medium level protocol dilution factor for compounds that were not detected. The elevated RLs should be noted when assessing the data.

The samples presented below were analyzed semivolatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-5R	100
MW-8	20.0
MW-100	100

Sample MW-5R was analyzed pesticide compounds at a ten-fold dilution. The dilution analysis was performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for the sample.

The following samples were analyzed at dilutions for polychlorinated biphenyls. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for the samples.

Sample	Dilution Factor
MW-5R	20.00
MW-100	10.0

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

As required by USEPA protocol, all volatile and semivolatiles TICs have been reported with “J” qualifiers to indicate that they are quantitative estimates. EDQ has reported only those TIC results that have not been determined to be laboratory or field artifacts, and where possible has grouped TIC of similar classification.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Semivolatile Organic Compounds	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Pesticide Compounds	Method 8081B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Polychlorinated Biphenyls	Method 8082A, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 Eurofins Environment Test America Job Number 480-17747-1

Analyses Performed										
Sample ID	Lab ID	Collection Date	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7471B	D1429
MW-5R	480-177477-1	10/28/2020	DNAPL	X	X	X	X	X	X	X
MW-8	480-177477-2	10/29/2020	DNAPL	X	X	X	X	X	X	X
MW-100	480-177477-3	10/29/2020	DNAPL	X	X	X	X	X	X	X

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177477-1

Date Collected: 10/28/20 12:00

Matrix: Waste

Date Received: 11/03/20 12:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	A	100	28	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,1,2,2-Tetrachloroethane	ND	H	100	16	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	100	50	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,1,2-Trichloroethane	ND	H	100	21	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,1-Dichloroethane	ND	H	100	31	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,1-Dichloroethene	ND	H	100	35	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,2,4-Trichlorobenzene	ND	H	100	38	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,2,4-Trimethylbenzene	230	H	100	28	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,2-Dibromo-3-Chloropropane	ND	H	100	50	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,2-Dibromoethane	ND	H	100	17	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,2-Dichlorobenzene	ND	H	100	25	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,2-Dichloroethane	ND	H	100	41	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,2-Dichloropropane	ND	H	100	16	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,3,5-Trimethylbenzene	71	J	100	30	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,3-Dichlorobenzene	ND	H	100	27	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
1,4-Dichlorobenzene	ND	H	100	14	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
2-Butanone (MEK)	ND	H	500	300	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
2-Hexanone	ND	H	500	200	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
4-Methyl-2-pentanone (MIBK)	ND	H	500	32	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Acetone	ND	H	500	410	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Benzene	ND	H	100	19	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Bromodichloromethane	ND	H	100	20	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Bromoform	ND	H	100	50	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Bromomethane	ND	H	100	22	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Carbon disulfide	ND	H	100	45	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Carbon tetrachloride	ND	H	100	25	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Chlorobenzene	ND	H	100	13	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Chloroethane	ND	H	100	21	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Chloroform	ND	H	100	68	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Chloromethane	ND	H	100	24	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
cis-1,2-Dichloroethene	ND	H	100	28	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
cis-1,3-Dichloropropene	ND	H	100	24	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Cyclohexane	ND	H	100	22	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Dibromochloromethane	ND	H	100	48	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Dichlorodifluoromethane	ND	H	100	44	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Ethylbenzene	390	H	100	29	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Isopropylbenzene	ND	H	100	15	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Methyl acetate	ND	H	500	48	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Methyl tert-butyl ether	ND	H	100	38	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Methylcyclohexane	ND	H	100	47	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Methylene Chloride	ND	H	100	20	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
n-Butylbenzene	ND	H	100	29	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
N-Propylbenzene	ND	H	100	26	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
sec-Butylbenzene	ND	H	100	37	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Styrene	ND	H	100	24	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
tert-Butylbenzene	ND	H	100	28	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Tetrachloroethene	ND	H	100	13	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Toluene	120	H	100	27	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
trans-1,2-Dichloroethene	ND	H	100	24	ug/Kg		11/17/20 14:20	11/22/20 18:46	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177477-1

Date Collected: 10/28/20 12:00

Matrix: Waste

Date Received: 11/03/20 12:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	H	100	9.8	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Trichloroethene	ND	H	100	28	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Trichlorofluoromethane	ND	H	100	47	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Vinyl chloride	ND	H	100	33	ug/Kg		11/17/20 14:20	11/22/20 18:46	1
Xylenes, Total	320	H	200	55	ug/Kg		11/17/20 14:20	11/22/20 18:46	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzene, 1-propynyl-	1500	H	ug/Kg		11.19	673-32-5	11/17/20 14:20	11/22/20 18:46	1
2,4-Dimethylstyrene	770	H	ug/Kg		11.55	2234-20-0	11/17/20 14:20	11/22/20 18:46	1
1H-Indene, 1-methyl-	1800	H	ug/Kg		12.32	767-59-9	11/17/20 14:20	11/22/20 18:46	1
Naphthalene	12000	H	ug/Kg		12.73	91-20-3	11/17/20 14:20	11/22/20 18:46	1
Naphthalene, 2-methyl-	6200	H	ug/Kg		13.63	91-57-6	11/17/20 14:20	11/22/20 18:46	1
Naphthalene, 1-methyl-	3300	H	ug/Kg		13.78	90-12-0	11/17/20 14:20	11/22/20 18:46	1
Naphthalene, 2,6-dimethyl-	1100	H	ug/Kg		14.44	581-42-0	11/17/20 14:20	11/22/20 18:46	1
Naphthalene, 2,7-dimethyl-	1900	H	ug/Kg		14.57	582-16-1	11/17/20 14:20	11/22/20 18:46	1
Naphthalene, 1,6-dimethyl-	820	H	ug/Kg		14.76	575-43-9	11/17/20 14:20	11/22/20 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		50 - 149	11/17/20 14:20	11/22/20 18:46	1
1,2-Dichloroethane-d4 (Surr)	109		53 - 146	11/17/20 14:20	11/22/20 18:46	1
4-Bromofluorobenzene (Surr)	98		49 - 148	11/17/20 14:20	11/22/20 18:46	1
Dibromofluoromethane (Surr)	103		60 - 140	11/17/20 14:20	11/22/20 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	3600000	990000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2,4,6-Trichlorophenol	ND	H	3600000	730000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2,4-Dichlorophenol	ND	H	3600000	390000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2,4-Dimethylphenol	ND	H	3600000	880000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2,4-Dinitrophenol	ND	H	36000000	17000000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2,4-Dinitrotoluene	ND	H	3600000	750000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2,6-Dinitrotoluene	ND	H	3600000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2-Chloronaphthalene	ND	H	3600000	600000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2-Chlorophenol	ND	H	3600000	660000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2-Methylnaphthalene	46000000	H	3600000	730000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2-Methylphenol	ND	H	3600000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2-Nitroaniline	ND	H	7100000	540000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
2-Nitrophenol	ND	H	3600000	1000000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
3,3'-Dichlorobenzidine	ND	H	7100000	4300000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
3-Nitroaniline	ND	H	7100000	1000000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
4,6-Dinitro-2-methylphenol	ND	H	7100000	3600000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
4-Bromophenyl phenyl ether	ND	H	3600000	510000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
4-Chloro-3-methylphenol	ND	H	3600000	900000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
4-Chloroaniline	ND	H	3600000	900000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
4-Chlorophenyl phenyl ether	ND	H	3600000	450000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
4-Methylphenol	ND	H	7100000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
4-Nitroaniline	ND	H	7100000	1900000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
4-Nitrophenol	ND	H	7100000	2600000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Acenaphthene	4300000	H	3600000	540000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Acenaphthylene	15000000	H	3600000	470000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177477-1

Date Collected: 10/28/20 12:00

Matrix: Waste

Date Received: 11/03/20 12:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND	H	3600000	490000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Anthracene	8500000	H	3600000	900000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Atrazine	ND	H*	3600000	1300000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Benzaldehyde	ND	H	3600000	2900000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Benzo[a]anthracene	4500000	H	3600000	360000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Benzo[a]pyrene	5200000	H	3600000	540000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Benzo[b]fluoranthene	3400000	J H	3600000	580000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Benzo[g,h,i]perylene	2600000	J H*	3600000	390000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Benzo[k]fluoranthene	ND	H	3600000	470000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Biphenyl	5500000	H	3600000	540000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
bis (2-chloroisopropyl) ether	ND	H	3600000	730000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Bis(2-chloroethoxy)methane	ND	H	3600000	770000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Bis(2-chloroethyl)ether	ND	H	3600000	470000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Bis(2-ethylhexyl) phthalate	ND	H	3600000	1200000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Butyl benzyl phthalate	ND	H	3600000	600000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Caprolactam	ND	H	3600000	1100000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Carbazole	ND	H	3600000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Chrysene	3500000	J H	3600000	810000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Dibenz(a,h)anthracene	ND	H*	3600000	640000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Dibenzofuran	ND	H	3600000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Diethyl phthalate	ND	H	3600000	470000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Dimethyl phthalate	ND	H	3600000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Di-n-butyl phthalate	ND	H	3600000	620000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Di-n-octyl phthalate	ND	H	3600000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Fluoranthene	9300000	H	3600000	390000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Fluorene	9100000	H	3600000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Hexachlorobenzene	ND	H*	3600000	490000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Hexachlorobutadiene	ND	H*	3600000	540000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Hexachlorocyclopentadiene	ND	H	3600000	490000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Hexachloroethane	ND	H	3600000	470000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Indeno[1,2,3-cd]pyrene	1600000	J H*	3600000	450000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Isophorone	ND	H	3600000	770000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Naphthalene	7000000	H	3600000	470000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Nitrobenzene	ND	H	3600000	410000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
N-Nitrosodi-n-propylamine	ND	H	3600000	620000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
N-Nitrosodiphenylamine	ND	H	3600000	3000000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Pentachlorophenol	ND	H	7100000	3600000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Phenanthrene	3000000	H	3600000	540000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Phenol	ND	H	3600000	560000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100
Pyrene	1600000	H	3600000	430000	ug/Kg		11/19/20 07:09	11/23/20 23:59	100

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethylbenzene	6900000	T H J N	ug/Kg		3.97	100-41-4	11/19/20 07:09	11/23/20 23:59	100
p-Xylene	4300000	T H J N	ug/Kg		4.10	106-42-3	11/19/20 07:09	11/23/20 23:59	100
Benzene, ethenylmethyl-	9100000	T H J N	ug/Kg		5.64	25013-15-4	11/19/20 07:09	11/23/20 23:59	100
Indene	12000000	T H J N	ug/Kg		6.16	95-13-6	11/19/20 07:09	11/23/20 23:59	100
Benzene, 1-butynyl-	5200000	T H J N	ug/Kg		7.11	622-76-4	11/19/20 07:09	11/23/20 23:59	100
1H-Indene, 1-methyl-	4200000	T H J N	ug/Kg		7.14	767-59-9	11/19/20 07:09	11/23/20 23:59	100
Benzocycloheptatriene	30000000	T H J N	ug/Kg		8.36	264-09-5	11/19/20 07:09	11/23/20 23:59	100
Naphthalene, 1-ethyl-	5700000	T H J N	ug/Kg		8.91	1127-76-0	11/19/20 07:09	11/23/20 23:59	100

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Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177477-1

Date Collected: 10/28/20 12:00

Matrix: Waste

Date Received: 11/03/20 12:57

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene, 1,6-dimethyl-	13000000	J N	ug/Kg		8.98	575-43-9	11/19/20 07:09	11/23/20 23:59	100
Naphthalene, 2,3-dimethyl-	14000000	J N	ug/Kg		9.07	581-40-8	11/19/20 07:09	11/23/20 23:59	100
Naphthalene, 2,6-dimethyl-	7600000	J N	ug/Kg		9.10	581-42-0	11/19/20 07:09	11/23/20 23:59	100
Naphthalene, 2-ethenyl-	5900000	J N	ug/Kg		9.15	827-54-3	11/19/20 07:09	11/23/20 23:59	100
Naphthalene, 2,7-dimethyl-	6900000	J N	ug/Kg		9.20	582-16-1	11/19/20 07:09	11/23/20 23:59	100
Naphthalene, 1,4,6-trimethyl-	4700000	J N	ug/Kg		9.72	2131-42-2	11/19/20 07:09	11/23/20 23:59	100
Unknown	6100000	J	ug/Kg		9.83		11/19/20 07:09	11/23/20 23:59	100
Unknown	4000000	J	ug/Kg		10.68		11/19/20 07:09	11/23/20 23:59	100
Phenanthrene, 1-methyl-	6700000	J N	ug/Kg		11.56	832-69-9	11/19/20 07:09	11/23/20 23:59	100
Anthracene, 2-methyl-	7400000	J N	ug/Kg		11.59	613-12-7	11/19/20 07:09	11/23/20 23:59	100
Unknown	10000000	J	ug/Kg		11.66		11/19/20 07:09	11/23/20 23:59	100
Unknown	4200000	J	ug/Kg		12.07		11/19/20 07:09	11/23/20 23:59	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	X	53 - 120	11/19/20 07:09	11/23/20 23:59	100
Phenol-d5 (Surr)	0	X	54 - 120	11/19/20 07:09	11/23/20 23:59	100
p-Terphenyl-d14 (Surr)	0	X	79 - 130	11/19/20 07:09	11/23/20 23:59	100
2,4,6-Tribromophenol (Surr)	0	X	54 - 120	11/19/20 07:09	11/23/20 23:59	100
2-Fluorobiphenyl (Surr)	108		60 - 120	11/19/20 07:09	11/23/20 23:59	100
2-Fluorophenol (Surr)	0	X	52 - 120	11/19/20 07:09	11/23/20 23:59	100

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	J	3.8	0.75	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
4,4'-DDE	ND	J	3.8	1.1	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
4,4'-DDT	1.1	J	3.8	0.85	mg/Kg		11/19/20 07:03	11/20/20 10:33	20
Aldrin	ND	J	3.8	0.39	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
alpha-BHC	ND	J	3.8	0.69	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
cis-Chlordane	ND	J	3.8	1.9	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
beta-BHC	ND	J	3.8	2.8	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
delta-BHC	ND	J	3.8	0.51	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Dieldrin	ND	J	3.8	0.92	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Endosulfan I	ND	J	3.8	0.82	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Endosulfan II	ND	J	3.8	0.69	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Endosulfan sulfate	ND	J	3.8	0.72	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Endrin	ND	J	3.8	1.2	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Endrin aldehyde	ND	J	3.8	0.98	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Endrin ketone	ND	J	3.8	0.92	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
gamma-BHC (Lindane)	ND	J	3.8	2.8	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
trans-Chlordane	0.80	J	3.8	0.53	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Heptachlor	ND	J	3.8	0.60	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Heptachlor epoxide	ND	J	3.8	1.0	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Methoxychlor	3.4	J	3.8	1.0	mg/Kg		11/19/20 07:03	11/20/20 10:33	10
Toxaphene	ND	J	38	22	mg/Kg		11/19/20 07:03	11/20/20 10:33	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	11/19/20 07:03	11/20/20 10:33	10
DCB Decachlorobiphenyl	0	X	45 - 120	11/19/20 07:03	11/20/20 10:33	10
Tetrachloro-m-xylene	81		30 - 124	11/19/20 07:03	11/20/20 10:33	10
Tetrachloro-m-xylene	98		30 - 124	11/19/20 07:03	11/20/20 10:33	10

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Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-5R

Lab Sample ID: 480-177477-1

Date Collected: 10/28/20 12:00

Matrix: Waste

Date Received: 11/03/20 12:57

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		77	15	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
PCB-1221	ND		77	15	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
PCB-1232	ND		77	15	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
PCB-1242	ND		77	15	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
PCB-1248	ND		77	15	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
PCB-1254	ND		77	3.6	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
PCB-1260	ND		77	3.6	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
PCB-1262	ND		77	3.6	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
PCB-1268	ND		77	3.6	mg/Kg		11/09/20 07:17	11/10/20 13:26	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	163	X	60 - 154				11/09/20 07:17	11/10/20 13:26	20
Tetrachloro-m-xylene (Surr)	128		60 - 154				11/09/20 07:17	11/10/20 13:26	20
DCB Decachlorobiphenyl (Surr)	880	X	65 - 174				11/09/20 07:17	11/10/20 13:26	20
DCB Decachlorobiphenyl (Surr)	100		65 - 174				11/09/20 07:17	11/10/20 13:26	20

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	39.3		10.3	4.5	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Antimony	ND		15.4	0.41	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Arsenic	1.5	J	2.1	0.41	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Barium	0.50	J	0.51	0.11	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Beryllium	ND		0.21	0.029	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Cadmium	ND		0.21	0.031	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Calcium	267	J	51.3	3.4	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Chromium	0.26	J	0.51	0.21	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Cobalt	ND		0.51	0.051	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Copper	0.82	J	1.0	0.22	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Iron	101		10.3	3.6	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Lead	0.39	J	1.0	0.25	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Lithium	ND		5.1	0.51	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Magnesium	102		20.5	0.95	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Manganese	1.6	J	0.21	0.033	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Molybdenum	ND		1.0	0.13	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Nickel	ND		5.1	0.24	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Potassium	ND		30.8	20.5	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Selenium	ND		4.1	0.41	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Silver	ND		0.62	0.21	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Sodium	ND		144	13.3	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Strontium	0.64	J	0.51	0.044	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Thallium	ND		6.2	0.31	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Tin	0.82	J	2.1	0.44	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Titanium	3.6		0.51	0.082	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Vanadium	0.72		0.51	0.11	mg/Kg		12/01/20 10:56	12/02/20 01:25	1
Zinc	0.89	J	2.1	0.66	mg/Kg		12/01/20 10:56	12/02/20 01:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.053	0.021	mg/Kg		11/25/20 15:09	11/25/20 19:10	1

Eurofins TestAmerica, Buffalo

11/25/20

12/03/2020

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-5R

Date Collected: 10/28/20 12:00

Date Received: 11/03/20 12:57

Lab Sample ID: 480-177477-1

Matrix: Waste

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	0.9887		0.1000	0.1000	g/mL			11/18/20 14:00	1

Client Sample ID: MW-8

Date Collected: 10/29/20 08:30

Date Received: 11/03/20 12:57

Lab Sample ID: 480-177477-2

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	99	27	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,1,2,2-Tetrachloroethane	ND	H	99	16	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	99	49	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,1,2-Trichloroethane	ND	H	99	21	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,1-Dichloroethane	ND	H	99	30	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,1-Dichloroethene	ND	H	99	34	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,2,4-Trichlorobenzene	ND	H	99	37	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,2,4-Trimethylbenzene	ND	H	99	28	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,2-Dibromo-3-Chloropropane	ND	H*	99	49	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,2-Dibromoethane	ND	H	99	17	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,2-Dichlorobenzene	ND	H	99	25	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,2-Dichloroethane	ND	H	99	40	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,2-Dichloropropane	ND	H	99	16	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,3,5-Trimethylbenzene	ND	H	99	30	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,3-Dichlorobenzene	ND	H	99	26	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
1,4-Dichlorobenzene	ND	H	99	14	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
2-Butanone (MEK)	ND	H*	490	290	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
2-Hexanone	ND	H*	490	200	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
4-Methyl-2-pentanone (MIBK)	ND	H	490	32	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Acetone	ND	H*	490	410	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Benzene	ND	H	99	19	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Bromodichloromethane	ND	H	99	20	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Bromoform	ND	H	99	49	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Bromomethane	ND	H	99	22	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Carbon disulfide	ND	H	99	45	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Carbon tetrachloride	ND	H	99	25	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Chlorobenzene	ND	H	99	13	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Chloroethane	ND	H	99	21	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Chloroform	ND	H	99	68	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Chloromethane	ND	H	99	23	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
cis-1,2-Dichloroethene	ND	H	99	27	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
cis-1,3-Dichloropropene	ND	H	99	24	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Cyclohexane	ND	H	99	22	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Dibromochloromethane	ND	H	99	48	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Dichlorodifluoromethane	ND	H	99	43	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Ethylbenzene	ND	H	99	29	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Isopropylbenzene	ND	H	99	15	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Methyl acetate	ND	H	490	47	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Methyl tert-butyl ether	ND	H	99	37	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Methylcyclohexane	ND	H	99	46	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Methylene Chloride	ND	H	99	20	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
n-Butylbenzene	ND	H	99	29	ug/Kg		11/17/20 14:20	11/22/20 19:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-8

Lab Sample ID: 480-177477-2

Date Collected: 10/29/20 08:30

Matrix: Waste

Date Received: 11/03/20 12:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND	H	99	26	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
sec-Butylbenzene	ND	H	99	36	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Styrene	ND	H	99	24	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
tert-Butylbenzene	ND	H	99	27	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Tetrachloroethene	ND	H	99	13	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Toluene	32	J	99	26	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
trans-1,2-Dichloroethene	ND	H	99	23	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
trans-1,3-Dichloropropene	ND	H	99	9.7	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Trichloroethene	ND	H	99	27	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Trichlorofluoromethane	ND	H	99	46	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Vinyl chloride	ND	H	99	33	ug/Kg		11/17/20 14:20	11/22/20 19:09	1
Xylenes, Total	ND	H	200	55	ug/Kg		11/17/20 14:20	11/22/20 19:09	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2200	H	ug/Kg		11.42		11/17/20 14:20	11/22/20 19:09	1
Unknown	5400	H	ug/Kg		11.55		11/17/20 14:20	11/22/20 19:09	1
Unknown	1100	H	ug/Kg		11.67		11/17/20 14:20	11/22/20 19:09	1
1,2,4a,4b,7,8,8a,8b-Octahydrobiphenylene	5200	H	ug/Kg		11.84	1000193-45-6	11/17/20 14:20	11/22/20 19:09	1
4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydromethyl-	3500	H	ug/Kg		12.15	26472-00-4	11/17/20 14:20	11/22/20 19:09	1
Unknown	1600	H	ug/Kg		12.25		11/17/20 14:20	11/22/20 19:09	1
Unknown	4300	H	ug/Kg		12.50		11/17/20 14:20	11/22/20 19:09	1
Unknown	1900	H	ug/Kg		12.62		11/17/20 14:20	11/22/20 19:09	1
Unknown	1300	H	ug/Kg		12.88		11/17/20 14:20	11/22/20 19:09	1
Unknown	1100	H	ug/Kg		13.14		11/17/20 14:20	11/22/20 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		50 - 149	11/17/20 14:20	11/22/20 19:09	1
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	11/17/20 14:20	11/22/20 19:09	1
4-Bromofluorobenzene (Surr)	99		49 - 148	11/17/20 14:20	11/22/20 19:09	1
Dibromofluoromethane (Surr)	93		60 - 140	11/17/20 14:20	11/22/20 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	780000	210000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2,4,6-Trichlorophenol	ND	H	780000	160000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2,4-Dichlorophenol	ND	H	780000	83000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2,4-Dimethylphenol	ND	H	780000	190000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2,4-Dinitrophenol	ND	H	7700000	3600000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2,4-Dinitrotoluene	ND	H	780000	160000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2,6-Dinitrotoluene	ND	H	780000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2-Chloronaphthalene	ND	H	780000	130000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2-Chlorophenol	ND	H	780000	140000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2-Methylnaphthalene	1700000	H	780000	160000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2-Methylphenol	ND	H	780000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2-Nitroaniline	ND	H	1500000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
2-Nitrophenol	ND	H	780000	220000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
3,3'-Dichlorobenzidine	ND	H	1500000	920000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
3-Nitroaniline	ND	H	1500000	220000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
4,6-Dinitro-2-methylphenol	ND	H	1500000	780000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-8

Lab Sample ID: 480-177477-2

Date Collected: 10/29/20 08:30

Matrix: Waste

Date Received: 11/03/20 12:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND	H	780000	110000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
4-Chloro-3-methylphenol	ND	H	780000	190000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
4-Chloroaniline	ND	H	780000	190000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
4-Chlorophenyl phenyl ether	ND	H	780000	97000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
4-Methylphenol	ND	H	1500000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
4-Nitroaniline	ND	H	1500000	410000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
4-Nitrophenol	ND	H	1500000	550000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Acenaphthene	200000	J H	780000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Acenaphthylene	600000	J H	780000	100000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Acetophenone	ND	H	780000	110000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Anthracene	360000	J H	780000	190000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Atrazine	ND	H	780000	270000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Benzaldehyde	ND	H	780000	620000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Benzo[a]anthracene	210000	J H	780000	78000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Benzo[a]pyrene	210000	J H	780000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Benzo[b]fluoranthene	120000	J H	780000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Benzo[g,h,i]perylene	120000	J H	780000	83000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Benzo[k]fluoranthene	ND	H	780000	100000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Biphenyl	200000	J H	780000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
bis (2-chloroisopropyl) ether	ND	H	780000	160000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Bis(2-chloroethoxy)methane	ND	H	780000	170000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Bis(2-chloroethyl)ether	ND	H	780000	100000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Bis(2-ethylhexyl) phthalate	ND	H	780000	270000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Butyl benzyl phthalate	ND	H	780000	130000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Caprolactam	ND	H	780000	240000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Carbazole	ND	H	780000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Chrysene	ND	H	780000	180000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Dibenz(a,h)anthracene	ND	H	780000	140000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Dibenzofuran	ND	H	780000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Diethyl phthalate	ND	H	780000	100000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Dimethyl phthalate	ND	H	780000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Di-n-butyl phthalate	ND	H	780000	130000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Di-n-octyl phthalate	ND	H	780000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Fluoranthene	380000	J H	780000	83000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Fluorene	360000	J H	780000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Hexachlorobenzene	ND	H	780000	110000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Hexachlorobutadiene	ND	H	780000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Hexachlorocyclopentadiene	ND	H	780000	110000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Hexachloroethane	ND	H	780000	100000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Indeno[1,2,3-cd]pyrene	ND	H	780000	97000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Isophorone	ND	H	780000	170000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Naphthalene	2600000	J H	780000	100000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Nitrobenzene	ND	H	780000	88000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
N-Nitrosodi-n-propylamine	ND	H	780000	130000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
N-Nitrosodiphenylamine	ND	H	780000	640000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Pentachlorophenol	ND	H	1500000	780000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Phenanthrene	1300000	J H	780000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Phenol	ND	H	780000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20
Pyrene	660000	J H	780000	92000	ug/Kg		11/19/20 07:09	11/24/20 00:24	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-8

Lab Sample ID: 480-177477-2

Date Collected: 10/29/20 08:30

Matrix: Waste

Date Received: 11/03/20 12:57

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzocycloheptatriene	1100000	11 J N	ug/Kg		8.36	264-09-5	11/19/20 07:09	11/24/20 00:24	20
Naphthalene, 2,7-dimethyl-	620000	11 J N	ug/Kg		9.07	582-16-1	11/19/20 07:09	11/24/20 00:24	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		53 - 120	11/19/20 07:09	11/24/20 00:24	20
Phenol-d5 (Surr)	80		54 - 120	11/19/20 07:09	11/24/20 00:24	20
p-Terphenyl-d14 (Surr)	117		79 - 130	11/19/20 07:09	11/24/20 00:24	20
2,4,6-Tribromophenol (Surr)	0	X	54 - 120	11/19/20 07:09	11/24/20 00:24	20
2-Fluorobiphenyl (Surr)	115		60 - 120	11/19/20 07:09	11/24/20 00:24	20
2-Fluorophenol (Surr)	0	X	52 - 120	11/19/20 07:09	11/24/20 00:24	20

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	11 U	0.38	0.075	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
4,4'-DDE	ND	11 U	0.38	0.11	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
4,4'-DDT	ND	11 U	0.38	0.085	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Aldrin	ND	11 U	0.38	0.039	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
alpha-BHC	ND	11 U	0.38	0.069	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
cis-Chlordane	ND	11 U	0.38	0.19	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
beta-BHC	ND	11 U	0.38	0.28	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
delta-BHC	0.38	11 U	0.38	0.051	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Dieldrin	ND	11 U	0.38	0.092	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Endosulfan I	ND	11 U	0.38	0.082	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Endosulfan II	ND	11 U	0.38	0.069	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Endosulfan sulfate	ND	11 U	0.38	0.072	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Endrin	ND	11 U	0.38	0.12	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Endrin aldehyde	ND	11 U	0.38	0.098	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Endrin ketone	ND	11 U	0.38	0.092	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
gamma-BHC (Lindane)	ND	11 U	0.38	0.28	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
trans-Chlordane	ND	11 U	0.38	0.053	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Heptachlor	ND	11 U	0.38	0.060	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Heptachlor epoxide	ND	11 U	0.38	0.10	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Methoxychlor	ND	11 U	0.38	0.10	mg/Kg		11/19/20 07:03	11/20/20 10:52	1
Toxaphene	ND	11 U	3.8	2.2	mg/Kg		11/19/20 07:03	11/20/20 10:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	129	X	45 - 120	11/19/20 07:03	11/20/20 10:52	1
DCB Decachlorobiphenyl	140	X	45 - 120	11/19/20 07:03	11/20/20 10:52	1
Tetrachloro-m-xylene	107		30 - 124	11/19/20 07:03	11/20/20 10:52	1
Tetrachloro-m-xylene	77		30 - 124	11/19/20 07:03	11/20/20 10:52	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3.1	0.61	mg/Kg		11/09/20 07:17	11/10/20 13:39	1
PCB-1221	ND		3.1	0.61	mg/Kg		11/09/20 07:17	11/10/20 13:39	1
PCB-1232	ND		3.1	0.61	mg/Kg		11/09/20 07:17	11/10/20 13:39	1
PCB-1242	ND		3.1	0.61	mg/Kg		11/09/20 07:17	11/10/20 13:39	1
PCB-1248	ND		3.1	0.61	mg/Kg		11/09/20 07:17	11/10/20 13:39	1
PCB-1254	ND		3.1	0.15	mg/Kg		11/09/20 07:17	11/10/20 13:39	1
PCB-1260	ND		3.1	0.15	mg/Kg		11/09/20 07:17	11/10/20 13:39	1
PCB-1262	ND		3.1	0.15	mg/Kg		11/09/20 07:17	11/10/20 13:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-8

Lab Sample ID: 480-177477-2

Date Collected: 10/29/20 08:30

Matrix: Waste

Date Received: 11/03/20 12:57

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		3.1	0.15	mg/Kg		11/09/20 07:17	11/10/20 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	111		60 - 154				11/09/20 07:17	11/10/20 13:39	1
Tetrachloro-m-xylene (Surr)	102		60 - 154				11/09/20 07:17	11/10/20 13:39	1
DCB Decachlorobiphenyl (Surr)	447	X	65 - 174				11/09/20 07:17	11/10/20 13:39	1
DCB Decachlorobiphenyl (Surr)	106		65 - 174				11/09/20 07:17	11/10/20 13:39	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5.9	J	10.3	4.6	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Antimony	ND		15.5	0.41	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Arsenic	ND		2.1	0.41	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Barium	0.28	J	0.52	0.11	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Beryllium	ND		0.21	0.029	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Cadmium	ND		0.21	0.031	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Calcium	277	J	51.7	3.4	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Chromium	ND		0.52	0.21	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Cobalt	ND		0.52	0.052	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Copper	ND		1.0	0.22	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Iron	ND		10.3	3.6	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Lead	ND		1.0	0.25	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Lithium	ND		5.2	0.52	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Magnesium	80.1	J	20.7	0.96	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Manganese	0.63	J	0.21	0.033	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Molybdenum	ND		1.0	0.13	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Nickel	ND		5.2	0.24	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Potassium	ND		31.0	20.7	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Selenium	ND		4.1	0.41	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Silver	ND		0.62	0.21	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Sodium	380	J	145	13.4	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Strontium	4.9	J	0.52	0.044	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Thallium	ND		6.2	0.31	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Tin	ND		2.1	0.44	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Titanium	0.12	J	0.52	0.083	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Vanadium	ND		0.52	0.11	mg/Kg		12/01/20 10:56	12/02/20 01:29	1
Zinc	ND		2.1	0.66	mg/Kg		12/01/20 10:56	12/02/20 01:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0081	mg/Kg		11/25/20 15:09	11/25/20 19:11	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	1.0013		0.1000	0.1000	g/mL			11/18/20 14:00	1

SMK
11/3/20

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-100

Lab Sample ID: 480-177477-3

Date Collected: 10/29/20 11:35

Matrix: Waste

Date Received: 11/03/20 12:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	99	28	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,1,2,2-Tetrachloroethane	ND	H	99	16	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	99	50	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,1,2-Trichloroethane	ND	H	99	21	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,1-Dichloroethane	ND	H	99	31	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,1-Dichloroethene	ND	H	99	34	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,2,4-Trichlorobenzene	ND	H	99	38	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,2,4-Trimethylbenzene	77	J H	99	28	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,2-Dibromo-3-Chloropropane	ND	H	99	50	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,2-Dibromoethane	ND	H	99	17	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,2-Dichlorobenzene	ND	H	99	25	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,2-Dichloroethane	ND	H	99	41	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,2-Dichloropropane	ND	H	99	16	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,3,5-Trimethylbenzene	68	J H	99	30	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,3-Dichlorobenzene	ND	H	99	27	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
1,4-Dichlorobenzene	ND	H	99	14	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
2-Butanone (MEK)	ND	H *	500	300	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
2-Hexanone	ND	H	500	200	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
4-Methyl-2-pentanone (MIBK)	ND	H	500	32	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Acetone	ND	H	500	410	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Benzene	ND	H	99	19	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Bromodichloromethane	ND	H	99	20	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Bromoform	ND	H	99	50	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Bromomethane	ND	H	99	22	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Carbon disulfide	ND	H	99	45	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Carbon tetrachloride	ND	H	99	25	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Chlorobenzene	ND	H	99	13	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Chloroethane	ND	H	99	21	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Chloroform	ND	H	99	68	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Chloromethane	ND	H	99	24	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
cis-1,2-Dichloroethene	ND	H	99	27	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
cis-1,3-Dichloropropene	ND	H	99	24	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Cyclohexane	ND	H	99	22	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Dibromochloromethane	ND	H	99	48	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Dichlorodifluoromethane	ND	H	99	43	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Ethylbenzene	ND	H	99	29	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Isopropylbenzene	ND	H	99	15	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Methyl acetate	ND	H	500	47	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Methyl tert-butyl ether	ND	H	99	38	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Methylcyclohexane	ND	H	99	47	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Methylene Chloride	ND	H	99	20	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
n-Butylbenzene	ND	H	99	29	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
N-Propylbenzene	31	J H	99	26	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
sec-Butylbenzene	ND	H	99	37	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Styrene	ND	H	99	24	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
tert-Butylbenzene	ND	H	99	28	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Tetrachloroethene	ND	H	99	13	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Toluene	ND	H	99	27	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
trans-1,2-Dichloroethene	ND	H	99	23	ug/Kg		11/17/20 14:20	11/22/20 19:33	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-100

Lab Sample ID: 480-177477-3

Date Collected: 10/29/20 11:35

Matrix: Waste

Date Received: 11/03/20 12:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	H	99	9.8	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Trichloroethene	ND	H	99	28	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Trichlorofluoromethane	ND	H	99	47	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Vinyl chloride	ND	H	99	33	ug/Kg		11/17/20 14:20	11/22/20 19:33	1
Xylenes, Total	ND	H	200	55	ug/Kg		11/17/20 14:20	11/22/20 19:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1700	T/H J	ug/Kg		10.92		11/17/20 14:20	11/22/20 19:33	1
The second isomer tricyclopentadiene	9400	T/H J N	ug/Kg		11.20	1000222-21-1	11/17/20 14:20	11/22/20 19:33	1
Unknown	4600	T/H J	ug/Kg		11.42		11/17/20 14:20	11/22/20 19:33	1
4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydrodimethyl-	7500	T/H J N	ug/Kg		11.56	26472-00-4	11/17/20 14:20	11/22/20 19:33	1
4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydrodimethyl-	10000	T/H J N	ug/Kg		11.84	26472-00-4	11/17/20 14:20	11/22/20 19:33	1
1,2,4a,4b,7,8,8a,8b-Octahydrobiphenylene	9500	T/H J N	ug/Kg		12.15	1000193-45-6	11/17/20 14:20	11/22/20 19:33	1
Unknown	2200	T/H J	ug/Kg		12.25		11/17/20 14:20	11/22/20 19:33	1
Unknown	3700	T/H J	ug/Kg		12.50		11/17/20 14:20	11/22/20 19:33	1
Unknown	3100	T/H J	ug/Kg		12.70		11/17/20 14:20	11/22/20 19:33	1
Unknown	3900	T/H J	ug/Kg		12.88		11/17/20 14:20	11/22/20 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		50 - 149	11/17/20 14:20	11/22/20 19:33	1
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	11/17/20 14:20	11/22/20 19:33	1
4-Bromofluorobenzene (Surr)	100		49 - 148	11/17/20 14:20	11/22/20 19:33	1
Dibromofluoromethane (Surr)	89		60 - 140	11/17/20 14:20	11/22/20 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	430000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2,4,6-Trichlorophenol	ND	H	430000	85000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2,4-Dichlorophenol	ND	H	430000	45000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2,4-Dimethylphenol	ND	H	430000	100000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2,4-Dinitrophenol	ND	H	4200000	2000000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2,4-Dinitrotoluene	ND	H	430000	88000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2,6-Dinitrotoluene	ND	H	430000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2-Chloronaphthalene	ND	H	430000	70000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2-Chlorophenol	ND	H	430000	78000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2-Methylnaphthalene	310000	J H	430000	85000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2-Methylphenol	ND	H	430000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2-Nitroaniline	ND	H	830000	63000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
2-Nitrophenol	ND	H	430000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
3,3'-Dichlorobenzidine	ND	H	830000	500000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
3-Nitroaniline	ND	H	830000	120000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
4,6-Dinitro-2-methylphenol	ND	H	830000	430000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
4-Bromophenyl phenyl ether	ND	H	430000	60000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
4-Chloro-3-methylphenol	ND	H	430000	110000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
4-Chloroaniline	ND	H	430000	110000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
4-Chlorophenyl phenyl ether	ND	H	430000	53000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
4-Methylphenol	ND	H	830000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-100

Lab Sample ID: 480-177477-3

Date Collected: 10/29/20 11:35

Matrix: Waste

Date Received: 11/03/20 12:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND	H	830000	220000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
4-Nitrophenol	ND	H	830000	300000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Acenaphthene	ND	H	430000	63000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Acenaphthylene	130000	J H	430000	55000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Acetophenone	ND	H	430000	58000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Anthracene	ND	H	430000	110000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Atrazine	ND	H*	430000	150000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Benzaldehyde	ND	H	430000	340000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Benzo[a]anthracene	ND	H	430000	43000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Benzo[a]pyrene	ND	H	430000	63000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Benzo[b]fluoranthene	ND	H	430000	68000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Benzo[g,h,i]perylene	ND	H*	430000	45000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Benzo[k]fluoranthene	ND	H	430000	55000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Biphenyl	ND	H	430000	63000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
bis (2-chloroisopropyl) ether	ND	H	430000	85000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Bis(2-chloroethoxy)methane	ND	H	430000	90000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Bis(2-chloroethyl)ether	ND	H	430000	55000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Bis(2-ethylhexyl) phthalate	ND	H	430000	150000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Butyl benzyl phthalate	ND	H	430000	70000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Caprolactam	ND	H	430000	130000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Carbazole	ND	H	430000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Chrysene	ND	H	430000	95000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Dibenz(a,h)anthracene	ND	H*	430000	75000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Dibenzofuran	ND	H	430000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Diethyl phthalate	ND	H	430000	55000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Dimethyl phthalate	ND	H	430000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Di-n-butyl phthalate	ND	H	430000	73000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Di-n-octyl phthalate	ND	H	430000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Fluoranthene	73000	J H	430000	45000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Fluorene	75000	J H	430000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Hexachlorobenzene	ND	H*	430000	58000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Hexachlorobutadiene	ND	H*	430000	63000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Hexachlorocyclopentadiene	ND	H	430000	58000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Hexachloroethane	ND	H	430000	55000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Indeno[1,2,3-cd]pyrene	ND	H*	430000	53000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Isophorone	ND	H	430000	90000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Naphthalene	550000	J H	430000	55000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Nitrobenzene	ND	H	430000	48000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
N-Nitrosodi-n-propylamine	ND	H	430000	73000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
N-Nitrosodiphenylamine	ND	H	430000	350000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Pentachlorophenol	ND	H	830000	430000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Phenanthrene	280000	J H	430000	63000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Phenol	ND	H	430000	65000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10
Pyrene	130000	J H	430000	50000	ug/Kg		11/19/20 07:09	11/24/20 00:49	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None	H	ug/Kg				11/19/20 07:09	11/24/20 00:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		53 - 120	11/19/20 07:09	11/24/20 00:49	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-100

Lab Sample ID: 480-177477-3

Date Collected: 10/29/20 11:35

Matrix: Waste

Date Received: 11/03/20 12:57

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	58		54 - 120	11/19/20 07:09	11/24/20 00:49	10
p-Terphenyl-d14 (Surr)	86		79 - 130	11/19/20 07:09	11/24/20 00:49	10
2,4,6-Tribromophenol (Surr)	79		54 - 120	11/19/20 07:09	11/24/20 00:49	10
2-Fluorobiphenyl (Surr)	83		60 - 120	11/19/20 07:09	11/24/20 00:49	10
2-Fluorophenol (Surr)	59		52 - 120	11/19/20 07:09	11/24/20 00:49	10

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	H	0.26	0.051	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
4,4'-DDE	ND	H	0.26	0.074	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
4,4'-DDT	ND	H	0.26	0.058	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Aldrin	ND	H	0.26	0.027	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
alpha-BHC	ND	H	0.26	0.047	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
cis-Chlordane	ND	H	0.26	0.13	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
beta-BHC	ND	H	0.26	0.19	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
delta-BHC	ND	H	0.26	0.035	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Dieldrin	ND	H	0.26	0.063	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Endosulfan I	ND	H	0.26	0.056	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Endosulfan II	ND	H	0.26	0.047	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Endosulfan sulfate	ND	H	0.26	0.049	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Endrin	ND	H	0.26	0.084	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Endrin aldehyde	ND	H	0.26	0.067	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Endrin ketone	ND	H	0.26	0.063	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
gamma-BHC (Lindane)	ND	H	0.26	0.19	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
trans-Chlordane	ND	H	0.26	0.036	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Heptachlor	ND	H	0.26	0.041	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Heptachlor epoxide	ND	H	0.26	0.068	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Methoxychlor	ND	H	0.26	0.068	mg/Kg		11/19/20 07:03	11/20/20 11:12	1
Toxaphene	ND	H	2.6	1.5	mg/Kg		11/19/20 07:03	11/20/20 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		45 - 120	11/19/20 07:03	11/20/20 11:12	1
DCB Decachlorobiphenyl	133	X	45 - 120	11/19/20 07:03	11/20/20 11:12	1
Tetrachloro-m-xylene	82		30 - 124	11/19/20 07:03	11/20/20 11:12	1
Tetrachloro-m-xylene	55		30 - 124	11/19/20 07:03	11/20/20 11:12	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		42	8.2	mg/Kg		11/09/20 07:17	11/10/20 13:51	10
PCB-1221	ND		42	8.2	mg/Kg		11/09/20 07:17	11/10/20 13:51	10
PCB-1232	ND		42	8.2	mg/Kg		11/09/20 07:17	11/10/20 13:51	10
PCB-1242	ND		42	8.2	mg/Kg		11/09/20 07:17	11/10/20 13:51	10
PCB-1248	ND		42	8.2	mg/Kg		11/09/20 07:17	11/10/20 13:51	10
PCB-1254	ND		42	2.0	mg/Kg		11/09/20 07:17	11/10/20 13:51	10
PCB-1260	ND		42	2.0	mg/Kg		11/09/20 07:17	11/10/20 13:51	10
PCB-1262	ND		42	2.0	mg/Kg		11/09/20 07:17	11/10/20 13:51	10
PCB-1268	ND		42	2.0	mg/Kg		11/09/20 07:17	11/10/20 13:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	154		60 - 154	11/09/20 07:17	11/10/20 13:51	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-177477-1

Client Sample ID: MW-100

Lab Sample ID: 480-177477-3

Date Collected: 10/29/20 11:35

Matrix: Waste

Date Received: 11/03/20 12:57

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	131		60 - 154	11/09/20 07:17	11/10/20 13:51	10
DCB Decachlorobiphenyl (Surr)	998	X	65 - 174	11/09/20 07:17	11/10/20 13:51	10
DCB Decachlorobiphenyl (Surr)	142		65 - 174	11/09/20 07:17	11/10/20 13:51	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.7	4.3	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Antimony	ND		14.6	0.39	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Arsenic	ND		1.9	0.39	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Barium	0.28	J	0.49	0.11	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Beryllium	ND		0.19	0.027	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Cadmium	ND		0.19	0.029	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Calcium	169	B	48.6	3.2	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Chromium	ND		0.49	0.19	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Cobalt	ND		0.49	0.049	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Copper	ND		0.97	0.20	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Iron	ND		9.7	3.4	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Lead	ND		0.97	0.23	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Lithium	ND		4.9	0.49	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Magnesium	166		19.4	0.90	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Manganese	0.20	B	0.19	0.031	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Molybdenum	ND		0.97	0.13	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Nickel	ND		4.9	0.22	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Potassium	ND		29.2	19.4	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Selenium	ND		3.9	0.39	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Silver	ND		0.58	0.19	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Sodium	174		136	12.6	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Strontium	8.4		0.49	0.042	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Thallium	ND		5.8	0.29	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Tin	ND		1.9	0.42	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Titanium	ND		0.49	0.078	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Vanadium	ND		0.49	0.11	mg/Kg		12/01/20 10:56	12/02/20 01:32	1
Zinc	ND		1.9	0.62	mg/Kg		12/01/20 10:56	12/02/20 01:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.0084	mg/Kg		11/25/20 15:09	11/25/20 19:13	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	1.0017		0.1000	0.1000	g/mL			11/18/20 14:00	1

SM
1/3/2021

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Environmental Testing -Test America
Job No: 480-180232-1
Fraction: Organic
Matrix: Solid
Report Date: 3/18/2021

This data usability summary report is based upon a review of analytical data generated for DNAPL samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds, semivolatile organic compounds, pesticide compounds, and polychlorinated biphenyls. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II "National Functional Guidelines for Organic Superfund Methods Data Review", USEPA January 2017. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
X	•	Surrogate Compound Recoveries
	•	Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
	•	Field Duplicate Analysis Results
X	•	Laboratory Control Sample Results
X	•	Internal Standard Performance
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

March 18, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no missing items or issues:

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

The continuing calibration precision criterion (the percent difference between initial and continuing relative response factors (RRF) ≤ 20 percent) was exceeded for the following pesticide continuing calibration standard. This indicates a lack of instrument stability for this analyte. Results for the compounds should be considered quantitative estimates. Positive results for these compounds have been marked with "J" qualifiers to indicate that they are quantitative estimates. Nondetect results are marked "UJ".

Calibration Standard	Analyte	%Difference	Associated Samples
CCVIS 480-566895/6 (File ID 25_42-311.D) (Column ID RTX CLP-I)	4,4'-DDT	24.5	MW-100, MW-8, MW-5R
	Methoxychlor	24.0	
CCVIS 480-566895/6 (File ID 25_42-311.D) (Column ID RTX CLP-II)	4,4'-DDT	22.7	MW-100, MW-8, MW-5R
	Methoxychlor	29.9	

6.0 *LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

The following volatile organic compounds were detected in associated laboratory method blanks.

Blank	Compound	Concentration (mg/Kg)	Associated Samples
MB 566690/2-A	Methylene Chloride	54.5 J	All Samples

The blank result was less than the reporting limit (RL). The positive results reported for this compound are also less than the RL and require qualification. The possibility of false positive exists for the samples. USEPA protocol requires positive results for common contaminants, that are less than or equal to the associated blank contamination RL to be considered qualitatively invalid. They have been replaced with the RL and marked "U".

The following pesticide compounds were detected in associated laboratory method blanks.

Blank	Compound	Concentration (mg/Kg)	Associated Samples
MB 566814/1-A	4,4'-DDT	0.145 J	All Samples

The blank results were less than the RL. The following positive results reported for this compound are also less than the RL and require qualification. The possibility of false positive exists for the samples. USEPA protocol requires positive results for uncommon contaminants, that are less than or equal to the associated blank contamination RL to be considered qualitatively invalid. They have been replaced with the RL and marked "U".

Field and equipment blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 *SURROGATE COMPOUNDS*

All samples were analyzed for were analyzed for semivolatile organic compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

All samples were analyzed for pesticide compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

All samples were analyzed for polychlorinated biphenyls at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

8.0 *SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

9.0 *FIELD DUPLICATE RESULTS*

Field duplicate samples were not submitted for this job number.

10.0 *LABORATORY CONTROL SAMPLE RESULTS*

All criteria were met. No qualifiers were applied.

11.0 *INTERNAL STANDARD PERFORMANCE*

All criteria were met. No qualifiers were applied.

13.0 *QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

14.0 *QUANTITATION/REPORTING LIMITS*

The following pesticide compounds were reported by the laboratory at concentrations less than the RL. Poor precision was observed for these compounds on the dual chromatographic columns used for sample analysis (greater than 50 % difference between results). The laboratory for reporting purposes used the higher concentration for these compounds. The positive pesticide results should be considered nondetect at the RL. The results have been replaced with the RL and marked "U".

Sample	Affected Compound
MW-8	Methoxychlor

For the following samples, a lack of precision (greater than 25 % difference between results) was observed for this analyte on the dual chromatographic columns used for sample analysis. The laboratory for reporting purposes used the higher concentration for these compounds. The result has been marked with “J” qualifiers to indicate that it is a quantitative estimate.

Sample	Affected Compound
MW-5R	Methoxychlor

The samples presented below were analyzed volatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-100	400
MW-8	200
MW-5R	200

The samples presented below were analyzed semivolatile organic compounds at dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

Sample	Dilution Factor
MW-100	20.0
MW-8	20.0
MW-5R	20.0

All samples were analyzed pesticide compounds at twenty-fold dilutions. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

The following samples were analyzed at dilutions for polychlorinated biphenyls. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for these samples.

The samples presented below were re-analyzed at dilutions for volatile organic compounds. The samples were re-analyzed because the responses for compounds exceeded the linear range of the GC/ MS instrument. The results for these compounds have been reported from the dilution analyses. All other results are reported from the initial analyses.

Sample	Dilution Factor	Results Exceeding the Linear Range
MW-100	1000	Ethylbenzene
MW-5R	500	cis-1,2-Dichloroethene

The samples presented below were re-analyzed at dilutions for semivolatile organic compounds. The samples were re-analyzed because the responses for compounds exceeded the linear range of the GC/ MS instrument. The results for these compounds have been reported from the dilution analyses. All other results are reported from the initial analyses.

Sample	Dilution Factor	Results Exceeding the Linear Range
MW-100	100	2-Methylnaphthalene, Phenanthrene, Naphthalene
MW-8	100	2-Methylnaphthalene, Phenanthrene, Naphthalene
MW-5R	100	2-Methylnaphthalene, Phenanthrene, Naphthalene

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

As required by USEPA protocol, all volatile and semivolatiles TICs have been reported with “J” qualifiers to indicate that they are quantitative estimates. EDQ has reported only those TIC results that have not been determined to be laboratory or field artifacts, and where possible has grouped TIC of similar classification.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Semivolatile Organic Compounds	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Pesticide Compounds	Method 8081B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Polychlorinated Biphenyls	Method 8082A, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 DNAPL Sampling
 Eurofins Environment Test America Job Number 480-180232-1

Analyses Performed											
Sample ID	Lab ID	Collection Date	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7470A	SW9012	D1429
MW-100	480-180232-1	1/14/2021	Product	X	X	X	X	X	X	X	X
MW-8	480-180232-2	1/14/2021	Product	X	X	X	X	X	X	X	X
MW-5R	480-180232-3	1/14/2021	Product	X	X	X	X	X	X	X	X

Project: NYSDEC 31 Tonawanda St. - OffSite C915299A
Laboratory: Eurofins Test America
Job No: 480-180232-1
Fraction: Inorganic
Matrix: Solid
Report Date: 3/18/2021

This data usability summary report is based upon a review of analytical data generated for DNAPL samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample was analyzed for total metals, cyanide, and specific gravity. Sample analyses were performed in accordance with the procedures outlined in the methods referenced at the end of this report.

All sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the following USEPA Region II "ICP-AES Data Validation", HW-2a, revision 15, December 2012. The quality control requirements specified in the analysis methods and associated acceptance criteria were also used to evaluate the data. The parameters presented on the following page were evaluated.

-
- X • Data Completeness
 - X • Chain of Custody Documentation/ Sample Receipt
 - X • Holding Times
 - X • Initial and Continuing Calibrations
 - X • ICP Interference Check Sample Results
 - X • Laboratory and Field Blank Analysis Results
 - Matrix Spike Recoveries and Reproducibility
 - Laboratory Duplicate Analysis Results
 - ICP Serial Dilution Results
 - Field Duplicate Analysis Results
 - X • Laboratory Control Sample Results
 - X • Qualitative Identification
 - X • Reporting Limits
-

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

March 18, 2021

1.0 DATA COMPLETENESS

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no missing items or issues.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INITIAL AND CONTINUING CALIBRATIONS

Unacceptable recoveries were obtained for the continuing calibration verification (CCV) standards presented below. The unacceptable recovery indicates enhanced sensitivity of the ICP instrument. All samples were associated with the standards. The antimony results for the samples are greater than the RL. Qualification is unnecessary.

RL Standard	Analytes	%Rec
CCV 480-567264/45	Antimony	111

5.0 ICP INTERFERENCE CHECK SAMPLE RESULTS

Barium was detected in interference check standard (ICS) A 480-567264/8 at a concentration of 0.0130 mg/L, which is greater than twice the detection limit. Samples MW-8, MW-5R, and MW-100 were associated with the unacceptable ICS. The data package case narrative indicated that

barium may have been present as an impurity in the standard solution. Barium positive results for the samples were all significantly greater than the ICS A level. Qualification was unnecessary.

6.0 **LABORATORY AND FIELD BLANK ANALYSIS RESULTS**

The following inorganic analytes were detected in the laboratory preparation blanks, and/or calibration blanks. The positive blank results were less than their respective reporting limits (RLs). Results for the associated samples were greater than the RL. Qualification was unnecessary.

Blank	Analyte	Concentration (mg/L)	Associated Samples
MB 480-566911/1-A, mg/Kg	Aluminum	5.55 J	MW-8, MW-5R, MW-100
	Calcium	3.35 J	
	Iron	5.58 J	
	Magnesium	1.00 J	
	Manganese	0.0469 J	
CCB 480-567264/46	Manganese	0.000970 J	MW-8, MW-5R, MW-100

No field or equipment blanks were submitted for this job number. This should be noted when assessing the data.

7.0 **MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY**

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

8.0 ***LABORATORY DUPLICATE RESULTS***

Laboratory duplicate precision was evaluated using the MS/MSD analysis results as discussed above in Section 7.0, Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility.

9.0 ***ICP SERIAL DILUTION RESULTS***

The laboratory did not select a site sample to perform ICP serial dilution analyses. Therefore, the associated sample data could not be evaluated based on this parameter. This should be noted when assessing the sample data.

10.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted with this job number.

11.0 ***LABORATORY CONTROL SAMPLE RESULTS***

All criteria were met. No qualifiers were applied.

12.0 ***QUALITATIVE IDENTIFICATION***

All criteria were met. No qualifiers were applied.

13.0 ***REPORTING LIMITS***

As required by USEPA protocol, all analytes, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Metals	Method 6010C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Mercury	Method 7471B, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, and V, October 2013
Specific Gravity	Method D1429-87, ASTM

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St. - OffSite C915299A
 DNAPL Sampling
 Eurofins Environment Test America Job Number 480-180232-1

Analyses Performed											
Sample ID	Lab ID	Collection Date	Matrix	SW8260C	SW8270D	SW8081B	SW8082A	SW6010C	SW7470A	SW9012	D1429
MW-100	480-180232-1	1/14/2021	Product	X	X	X	X	X	X	X	X
MW-8	480-180232-2	1/14/2021	Product	X	X	X	X	X	X	X	X
MW-5R	480-180232-3	1/14/2021	Product	X	X	X	X	X	X	X	X

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-100

Lab Sample ID: 480-180232-1

Date Collected: 01/14/21 11:30

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40000	11000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,1,2,2-Tetrachloroethane	ND		40000	6500	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,1,2-Trichloroethane	ND		40000	8400	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40000	20000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,1-Dichloroethane	ND		40000	12000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,1-Dichloroethene	ND		40000	14000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,2,4-Trichlorobenzene	ND		40000	15000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,2-Dibromo-3-Chloropropane	ND		40000	20000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,2-Dichlorobenzene	ND		40000	10000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,2-Dichloroethane	ND		40000	16000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,2-Dichloropropane	ND		40000	6500	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,3-Dichlorobenzene	ND		40000	11000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,4-Dichlorobenzene	ND		40000	5600	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
2-Butanone (MEK)	ND		200000	120000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
2-Hexanone	ND		200000	82000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
4-Methyl-2-pentanone (MIBK)	ND		200000	13000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Acetone	ND		200000	160000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Benzene	1000000		40000	7600	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Bromodichloromethane	ND		40000	8000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Bromoform	ND		40000	20000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Bromomethane	ND		40000	8800	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Carbon disulfide	ND		40000	18000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Carbon tetrachloride	ND		40000	10000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Chlorobenzene	ND		40000	5300	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Dibromochloromethane	ND		40000	19000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Chloroethane	ND		40000	8300	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Chloroform	ND		40000	27000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Chloromethane	ND		40000	9500	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
cis-1,2-Dichloroethene	ND		40000	11000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
cis-1,3-Dichloropropene	ND		40000	9600	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Cyclohexane	ND		40000	8900	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Dichlorodifluoromethane	ND		40000	17000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Ethylbenzene	6300000	E A	40000	12000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
1,2-Dibromoethane	ND		40000	7000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Isopropylbenzene	330000		40000	6000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Methyl acetate	ND		200000	19000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Methyl tert-butyl ether	ND		40000	15000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Methylcyclohexane	ND		40000	19000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Methylene Chloride	40000	24000 J B U	40000	7900	ug/Kg		01/20/21 09:44	01/21/21 15:32	MIBK
Styrene	ND		40000	9600	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Tetrachloroethene	ND		40000	5400	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Toluene	840000		40000	11000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
trans-1,2-Dichloroethene	ND		40000	9400	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
trans-1,3-Dichloropropene	ND		40000	3900	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Trichloroethene	ND		40000	11000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Trichlorofluoromethane	ND		40000	19000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Vinyl chloride	ND		40000	13000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400
Xylenes, Total	4000000		80000	22000	ug/Kg		01/20/21 09:44	01/21/21 15:32	400

* Report from dilution

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-100

Lab Sample ID: 480-180232-1

Date Collected: 01/14/21 11:30

Matrix: Waste

Date Received: 01/14/21 15:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	01/20/21 09:44	01/21/21 15:32	400
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	01/20/21 09:44	01/21/21 15:32	400
4-Bromofluorobenzene (Surr)	97		49 - 148	01/20/21 09:44	01/21/21 15:32	400
Dibromofluoromethane (Surr)	97		60 - 140	01/20/21 09:44	01/21/21 15:32	400

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100000	28000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,1,2,2-Tetrachloroethane	ND		100000	16000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,1,2-Trichloroethane	ND		100000	21000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100000	50000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,1-Dichloroethane	ND		100000	31000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,1-Dichloroethene	ND		100000	35000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,2,4-Trichlorobenzene	ND		100000	38000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,2-Dibromo-3-Chloropropane	ND		100000	50000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,2-Dichlorobenzene	ND		100000	26000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,2-Dichloroethane	ND		100000	41000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,2-Dichloropropane	ND		100000	16000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,3-Dichlorobenzene	ND		100000	27000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,4-Dichlorobenzene	ND		100000	14000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
2-Butanone (MEK)	ND		500000	300000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
2-Hexanone	ND		500000	210000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
4-Methyl-2-pentanone (MIBK)	ND		500000	32000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Acetone	ND		500000	410000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Benzene	940000		100000	19000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Bromodichloromethane	ND		100000	20000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Bromoform	ND		100000	50000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Bromomethane	ND		100000	22000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Carbon disulfide	ND		100000	46000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Carbon tetrachloride	ND		100000	26000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Chlorobenzene	ND		100000	13000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Dibromochloromethane	ND		100000	48000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Chloroethane	ND		100000	21000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Chloroform	ND		100000	69000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Chloromethane	ND		100000	24000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
cis-1,2-Dichloroethene	ND		100000	28000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
cis-1,3-Dichloropropene	ND		100000	24000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Cyclohexane	ND		100000	22000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Dichlorodifluoromethane	ND		100000	44000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Ethylbenzene ★★	640000		100000	29000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
1,2-Dibromoethane	ND		100000	18000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Isopropylbenzene	330000		100000	15000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Methyl acetate	ND		500000	48000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Methyl tert-butyl ether	ND		100000	38000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Methylcyclohexane	ND		100000	47000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Methylene Chloride	ND		100000	20000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Styrene	ND		100000	24000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Tetrachloroethene	ND		100000	13000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Toluene	830000		100000	27000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
trans-1,2-Dichloroethene	ND		100000	24000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000

★★ Report

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-100

Lab Sample ID: 480-180232-1

Date Collected: 01/14/21 11:30

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		100000	9800	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Trichloroethene	ND		100000	28000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Trichlorofluoromethane	ND		100000	47000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Vinyl chloride	ND		100000	34000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000
Xylenes, Total	4200000		200000	55000	ug/Kg		01/20/21 09:44	01/24/21 17:42	1000

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		50 - 149				01/20/21 09:44	01/24/21 17:42	1000
1,2-Dichloroethane-d4 (Surr)	103		53 - 146				01/20/21 09:44	01/24/21 17:42	1000
4-Bromofluorobenzene (Surr)	102		49 - 148				01/20/21 09:44	01/24/21 17:42	1000
Dibromofluoromethane (Surr)	101		60 - 140				01/20/21 09:44	01/24/21 17:42	1000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5800000		730000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
bis (2-chloroisopropyl) ether	ND		730000	150000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2,4,5-Trichlorophenol	ND		730000	200000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2,4,6-Trichlorophenol	ND		730000	150000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2,4-Dichlorophenol	ND		730000	77000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2,4-Dimethylphenol	ND		730000	180000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2,4-Dinitrophenol	ND		7100000	3400000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2,4-Dinitrotoluene	ND		730000	150000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2,6-Dinitrotoluene	ND		730000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2-Chloronaphthalene	ND		730000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2-Chlorophenol	ND		730000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2-Methylphenol	ND		730000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2-Methylnaphthalene	39000000 E		730000	150000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2-Nitroaniline	ND		1400000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
2-Nitrophenol	ND		730000	210000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
3,3'-Dichlorobenzidine	ND		1400000	860000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
3-Nitroaniline	ND		1400000	200000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
4,6-Dinitro-2-methylphenol	ND		1400000	730000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
4-Bromophenyl phenyl ether	ND		730000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
4-Chloro-3-methylphenol	ND		730000	180000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
4-Chloroaniline	ND		730000	180000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
4-Chlorophenyl phenyl ether	ND		730000	90000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
4-Methylphenol	ND		1400000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
4-Nitroaniline	ND		1400000	380000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
4-Nitrophenol	ND		1400000	510000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Acenaphthene	13000000		730000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Acenaphthylene	6800000		730000	94000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Acetophenone	ND		730000	99000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Anthracene	8400000		730000	180000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Atrazine	ND		730000	250000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Benzaldehyde	ND		730000	580000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Benzo[a]anthracene	4500000		730000	73000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Benzo[a]pyrene	4900000		730000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Benzo[b]fluoranthene	2700000		730000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Benzo[g,h,i]perylene	2000000		730000	77000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Benzo[k]fluoranthene	1500000		730000	94000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20

* Report from dilution

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-100

Lab Sample ID: 480-180232-1

Date Collected: 01/14/21 11:30

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		730000	150000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Bis(2-chloroethyl)ether	ND		730000	94000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Bis(2-ethylhexyl) phthalate	ND		730000	250000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Butyl benzyl phthalate	ND		730000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Caprolactam	ND		730000	220000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Carbazole	110000	J	730000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Chrysene	3900000		730000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Dibenz(a,h)anthracene	440000	J	730000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Di-n-butyl phthalate	ND		730000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Di-n-octyl phthalate	ND		730000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Dibenzofuran	1300000		730000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Diethyl phthalate	ND		730000	94000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Dimethyl phthalate	ND		730000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Fluoranthene	7800000		730000	77000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Fluorene	7900000		730000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Hexachlorobenzene	ND		730000	99000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Hexachlorobutadiene	ND		730000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Hexachlorocyclopentadiene	ND		730000	99000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Hexachloroethane	ND		730000	94000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Indeno[1,2,3-cd]pyrene	1400000		730000	90000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Isophorone	ND		730000	150000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
N-Nitrosodi-n-propylamine	ND		730000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
N-Nitrosodiphenylamine	ND		730000	590000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Naphthalene	61000000	E	730000	94000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Nitrobenzene	ND		730000	81000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Pentachlorophenol	ND		1400000	730000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Phenanthrene	26000000	E	730000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Phenol	ND		730000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20
Pyrene	15000000		730000	86000	ug/Kg		01/21/21 07:21	01/22/21 20:09	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	88		53 - 120	01/21/21 07:21	01/22/21 20:09	20
Phenol-d5 (Surr)	98		54 - 120	01/21/21 07:21	01/22/21 20:09	20
p-Terphenyl-d14 (Surr)	120		79 - 130	01/21/21 07:21	01/22/21 20:09	20
2,4,6-Tribromophenol (Surr)	110		54 - 120	01/21/21 07:21	01/22/21 20:09	20
2-Fluorobiphenyl (Surr)	93		60 - 120	01/21/21 07:21	01/22/21 20:09	20
2-Fluorophenol (Surr)	100		52 - 120	01/21/21 07:21	01/22/21 20:09	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5300000		3600000	540000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
bis (2-chloroisopropyl) ether	ND		3600000	730000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2,4,5-Trichlorophenol	ND		3600000	990000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2,4,6-Trichlorophenol	ND		3600000	730000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2,4-Dichlorophenol	ND		3600000	390000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2,4-Dimethylphenol	ND		3600000	880000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2,4-Dinitrophenol	ND		36000000	17000000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2,4-Dinitrotoluene	ND		3600000	750000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2,6-Dinitrotoluene	ND		3600000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2-Chloronaphthalene	ND		3600000	600000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100

* Report from dilution

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-100


Lab Sample ID: 480-180232-1

Date Collected: 01/14/21 11:30

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		3600000	660000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2-Methylphenol	ND		3600000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2-Methylnaphthalene 	42000000		3600000	730000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2-Nitroaniline	ND		7100000	540000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
2-Nitrophenol	ND		3600000	1000000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
3,3'-Dichlorobenzidine	ND		7100000	4300000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
3-Nitroaniline	ND		7100000	1000000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
4,6-Dinitro-2-methylphenol	ND		7100000	3600000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
4-Bromophenyl phenyl ether	ND		3600000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
4-Chloro-3-methylphenol	ND		3600000	900000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
4-Chloroaniline	ND		3600000	900000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
4-Chlorophenyl phenyl ether	ND		3600000	450000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
4-Methylphenol	ND		7100000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
4-Nitroaniline	ND		7100000	1900000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
4-Nitrophenol	ND		7100000	2600000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Acenaphthene	13000000		3600000	540000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Acenaphthylene	6400000		3600000	470000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Acetophenone	ND		3600000	490000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Anthracene	8100000		3600000	900000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Atrazine	ND		3600000	1300000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Benzaldehyde	ND		3600000	2900000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Benzo[a]anthracene	4400000		3600000	360000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Benzo[a]pyrene	4500000		3600000	540000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Benzo[b]fluoranthene	2700000	J	3600000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Benzo[g,h,i]perylene	1700000	J	3600000	390000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Benzo[k]fluoranthene	1300000	J	3600000	470000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Bis(2-chloroethoxy)methane	ND		3600000	770000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Bis(2-chloroethyl)ether	ND		3600000	470000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Bis(2-ethylhexyl) phthalate	ND		3600000	1200000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Butyl benzyl phthalate	ND		3600000	600000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Caprolactam	ND		3600000	1100000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Carbazole	ND		3600000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Chrysene	3700000		3600000	810000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Dibenz(a,h)anthracene	ND		3600000	640000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Di-n-butyl phthalate	ND		3600000	620000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Di-n-octyl phthalate	ND		3600000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Dibenzofuran	1000000	J	3600000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Diethyl phthalate	ND		3600000	470000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Dimethyl phthalate	ND		3600000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Fluoranthene	7700000		3600000	390000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Fluorene	7500000		3600000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Hexachlorobenzene	ND		3600000	490000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Hexachlorobutadiene	ND		3600000	540000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Hexachlorocyclopentadiene	ND		3600000	490000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Hexachloroethane	ND		3600000	470000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Indeno[1,2,3-cd]pyrene	1300000	J	3600000	450000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Isophorone	ND		3600000	770000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
N-Nitrosodi-n-propylamine	ND		3600000	620000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
N-Nitrosodiphenylamine	ND		3600000	3000000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-100

Lab Sample ID: 480-180232-1

Date Collected: 01/14/21 11:30

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene ★	74000000		3600000	470000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Nitrobenzene	ND		3600000	410000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Pentachlorophenol	ND		7100000	3600000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Phenanthrene ★	28000000		3600000	540000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Phenol	ND		3600000	560000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Pyrene	15000000		3600000	430000	ug/Kg		01/21/21 07:21	01/25/21 11:10	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	S1-	53 - 120				01/21/21 07:21	01/25/21 11:10	100
Phenol-d5 (Surr)	0	S1-	54 - 120				01/21/21 07:21	01/25/21 11:10	100
p-Terphenyl-d14 (Surr)	111		79 - 130				01/21/21 07:21	01/25/21 11:10	100
2,4,6-Tribromophenol (Surr)	0	S1-	54 - 120				01/21/21 07:21	01/25/21 11:10	100
2-Fluorobiphenyl (Surr)	0	S1-	60 - 120				01/21/21 07:21	01/25/21 11:10	100
2-Fluorophenol (Surr)	0	S1-	52 - 120				01/21/21 07:21	01/25/21 11:10	100

~~★~~ Report

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		7.1	1.4	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
4,4'-DDE	ND		7.1	2.0	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
4,4'-DDT	7.1	21 JBU	7.1	1.6	mg/Kg		01/21/21 07:18	01/21/21 15:34	MBL 20
Aldrin	ND		7.1	0.73	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
alpha-BHC	ND		7.1	1.3	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
cis-Chlordane	ND		7.1	3.6	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
beta-BHC	ND		7.1	5.1	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
delta-BHC	ND		7.1	0.94	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Dieldrin	ND		7.1	1.7	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Endosulfan I	ND		7.1	1.5	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Endosulfan II	ND		7.1	1.3	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Endosulfan sulfate	ND		7.1	1.3	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Endrin	ND		7.1	2.3	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Endrin aldehyde	ND		7.1	1.8	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Endrin ketone	ND		7.1	1.7	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
gamma-BHC (Lindane)	ND		7.1	5.1	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
trans-Chlordane	ND		7.1	0.99	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Heptachlor	ND		7.1	1.1	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Heptachlor epoxide	ND		7.1	1.9	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Methoxychlor	4.5 J		7.1	1.9	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Toxaphene	ND		71	41	mg/Kg		01/21/21 07:18	01/21/21 15:34	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	S1-	45 - 120				01/21/21 07:18	01/21/21 15:34	20
DCB Decachlorobiphenyl	0	S1-	45 - 120				01/21/21 07:18	01/21/21 15:34	20
Tetrachloro-m-xylene	0	S1-	30 - 124				01/21/21 07:18	01/21/21 15:34	20
Tetrachloro-m-xylene	0	S1-	30 - 124				01/21/21 07:18	01/21/21 15:34	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		56	11	mg/Kg		01/21/21 07:14	01/21/21 23:02	20
PCB-1221	ND		56	11	mg/Kg		01/21/21 07:14	01/21/21 23:02	20
PCB-1232	ND		56	11	mg/Kg		01/21/21 07:14	01/21/21 23:02	20

Eurofins Test America, Buffalo
3/17/2021
01/31/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-100

Lab Sample ID: 480-180232-1

Date Collected: 01/14/21 11:30

Matrix: Waste

Date Received: 01/14/21 15:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		56	11	mg/Kg		01/21/21 07:14	01/21/21 23:02	20
PCB-1248	ND		56	11	mg/Kg		01/21/21 07:14	01/21/21 23:02	20
PCB-1254	ND		56	2.6	mg/Kg		01/21/21 07:14	01/21/21 23:02	20
PCB-1260	ND		56	2.6	mg/Kg		01/21/21 07:14	01/21/21 23:02	20
PCB-1262	ND		56	2.6	mg/Kg		01/21/21 07:14	01/21/21 23:02	20
PCB-1268	ND		56	2.6	mg/Kg		01/21/21 07:14	01/21/21 23:02	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	131		60 - 154	01/21/21 07:14	01/21/21 23:02	20
Tetrachloro-m-xylene (Surr)	104		60 - 154	01/21/21 07:14	01/21/21 23:02	20
DCB Decachlorobiphenyl (Surr)	180	S1+	65 - 174	01/21/21 07:14	01/21/21 23:02	20
DCB Decachlorobiphenyl (Surr)	89		65 - 174	01/21/21 07:14	01/21/21 23:02	20

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	35.5	B	9.9	4.3	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Antimony	ND	A	14.8	0.40	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Arsenic	1.3	J	2.0	0.40	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Barium	0.77	1.5	0.49	0.11	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Beryllium	ND		0.20	0.028	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Cadmium	ND		0.20	0.030	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Calcium	205	B	49.4	3.3	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Chromium	0.36	J	0.49	0.20	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Cobalt	ND		0.49	0.049	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Copper	0.88	J	0.99	0.21	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Iron	65.3	B	9.9	3.5	mg/Kg		01/22/21 15:09	01/27/21 17:24	1
Lead	1.2		0.99	0.24	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Magnesium	72.1	B	19.8	0.92	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Manganese	1.5	B	0.20	0.032	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Nickel	ND		4.9	0.23	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Potassium	21.4	J	29.6	19.8	mg/Kg		01/22/21 15:09	01/26/21 22:04	1
Selenium	ND		4.0	0.40	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Silver	ND		0.59	0.20	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Sodium	16.2	J	138	12.8	mg/Kg		01/22/21 15:09	01/26/21 22:04	1
Thallium	ND		5.9	0.30	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Vanadium	0.55		0.49	0.11	mg/Kg		01/22/21 15:09	01/26/21 02:12	1
Zinc	1.2	J	2.0	0.63	mg/Kg		01/22/21 15:09	01/26/21 02:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.058	0.023	mg/Kg		01/26/21 12:01	01/26/21 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.95	0.46	mg/Kg		01/25/21 22:10	01/26/21 22:17	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	1.0408		0.1000	0.1000	g/mL			01/22/21 17:52	1

SNL
2/16/22

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-8

Lab Sample ID: 480-180232-2

Date Collected: 01/14/21 12:45

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	92000		20000	5500	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,1,2,2-Tetrachloroethane	ND		20000	3200	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,1,2-Trichloroethane	ND		20000	4200	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20000	9900	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,1-Dichloroethane	21000		20000	6100	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,1-Dichloroethene	15000	J	20000	6800	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,2,4-Trichlorobenzene	ND		20000	7500	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,2-Dibromo-3-Chloropropane	ND		20000	9900	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,2-Dichlorobenzene	ND		20000	5000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,2-Dichloroethane	ND		20000	8100	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,2-Dichloropropane	ND		20000	3200	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,3-Dichlorobenzene	ND		20000	5300	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,4-Dichlorobenzene	ND		20000	2800	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
2-Butanone (MEK)	ND		99000	59000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
2-Hexanone	ND		99000	41000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
4-Methyl-2-pentanone (MIBK)	ND		99000	6300	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Acetone	ND		99000	81000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Benzene	83000		20000	3800	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Bromodichloromethane	ND		20000	4000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Bromoform	ND		20000	9900	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Bromomethane	ND		20000	4300	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Carbon disulfide	ND		20000	9000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Carbon tetrachloride	ND		20000	5000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Chlorobenzene	ND		20000	2600	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Dibromochloromethane	ND		20000	9600	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Chloroethane	ND		20000	4100	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Chloroform	ND		20000	14000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Chloromethane	ND		20000	4700	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
cis-1,2-Dichloroethene	1700000		20000	5500	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
cis-1,3-Dichloropropene	ND		20000	4700	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Cyclohexane	ND		20000	4400	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Dichlorodifluoromethane	ND		20000	8600	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Ethylbenzene	900000		20000	5800	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
1,2-Dibromoethane	ND		20000	3500	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Isopropylbenzene	20000		20000	3000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Methyl acetate	ND		99000	9400	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Methyl tert-butyl ether	ND		20000	7500	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Methylcyclohexane	ND		20000	9200	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Methylene Chloride	20000	7480 J B U	20000	3900	ug/Kg		01/20/21 09:44	01/21/21 15:55	MB 200
Styrene	140000		20000	4800	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Tetrachloroethene	ND		20000	2700	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Toluene	220000		20000	5300	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
trans-1,2-Dichloroethene	ND		20000	4700	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
trans-1,3-Dichloropropene	ND		20000	1900	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Trichloroethene	ND		20000	5500	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Trichlorofluoromethane	ND		20000	9300	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Vinyl chloride	39000		20000	6600	ug/Kg		01/20/21 09:44	01/21/21 15:55	200
Xylenes, Total	670000		40000	11000	ug/Kg		01/20/21 09:44	01/21/21 15:55	200

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-8

Lab Sample ID: 480-180232-2

Date Collected: 01/14/21 12:45

Matrix: Waste

Date Received: 01/14/21 15:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		50 - 149	01/20/21 09:44	01/21/21 15:55	200
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	01/20/21 09:44	01/21/21 15:55	200
4-Bromofluorobenzene (Surr)	103		49 - 148	01/20/21 09:44	01/21/21 15:55	200
Dibromofluoromethane (Surr)	97		60 - 140	01/20/21 09:44	01/21/21 15:55	200

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	6800000		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
bis (2-chloroisopropyl) ether	ND		780000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2,4,5-Trichlorophenol	ND		780000	210000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2,4,6-Trichlorophenol	ND		780000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2,4-Dichlorophenol	ND		780000	83000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2,4-Dimethylphenol	ND		780000	190000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2,4-Dinitrophenol	ND		7700000	3600000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2,4-Dinitrotoluene	530000	J	780000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2,6-Dinitrotoluene	ND		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2-Chloronaphthalene	ND		780000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2-Chlorophenol	ND		780000	140000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2-Methylphenol	ND		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2-Methylnaphthalene	46000000	E	780000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2-Nitroaniline	ND		1500000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
2-Nitrophenol	ND		780000	220000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
3,3'-Dichlorobenzidine	ND		1500000	920000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
3-Nitroaniline	ND		1500000	220000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
4,6-Dinitro-2-methylphenol	ND		1500000	780000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
4-Bromophenyl phenyl ether	ND		780000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
4-Chloro-3-methylphenol	ND		780000	190000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
4-Chloroaniline	ND		780000	190000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
4-Chlorophenyl phenyl ether	ND		780000	97000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
4-Methylphenol	ND		1500000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
4-Nitroaniline	ND		1500000	410000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
4-Nitrophenol	ND		1500000	550000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Acenaphthene	5500000		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Acenaphthylene	14000000		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Acetophenone	ND		780000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Anthracene	9600000		780000	190000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Atrazine	ND		780000	270000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Benzaldehyde	ND		780000	620000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Benzo[a]anthracene	5400000		780000	78000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Benzo[a]pyrene	5500000		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Benzo[b]fluoranthene	3100000		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Benzo[g,h,i]perylene	2300000		780000	83000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Benzo[k]fluoranthene	1400000		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Bis(2-chloroethoxy)methane	ND		780000	170000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Bis(2-chloroethyl)ether	ND		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Bis(2-ethylhexyl) phthalate	ND		780000	270000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Butyl benzyl phthalate	ND		780000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Caprolactam	ND		780000	240000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Carbazole	110000	J	780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Chrysene	4300000		780000	180000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20

* Report from dilution

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-8

Lab Sample ID: 480-180232-2

Date Collected: 01/14/21 12:45

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	550000	J	780000	140000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Di-n-butyl phthalate	ND		780000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Di-n-octyl phthalate	ND		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Dibenzofuran	1600000		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Diethyl phthalate	ND		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Dimethyl phthalate	ND		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Fluoranthene	9000000		780000	83000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Fluorene	9900000		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Hexachlorobenzene	ND		780000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Hexachlorobutadiene	ND		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Hexachlorocyclopentadiene	ND		780000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Hexachloroethane	ND		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Indeno[1,2,3-cd]pyrene	1500000		780000	97000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Isophorone	ND		780000	170000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
N-Nitrosodi-n-propylamine	ND		780000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
N-Nitrosodiphenylamine	ND		780000	640000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Naphthalene	65000000	E	780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Nitrobenzene	ND		780000	88000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Pentachlorophenol	ND		1500000	780000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Phenanthrene	30000000	E	780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Phenol	ND		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20
Pyrene	18000000		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:33	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	108		53 - 120	01/21/21 07:21	01/22/21 20:33	20
Phenol-d5 (Surr)	121	S1+	54 - 120	01/21/21 07:21	01/22/21 20:33	20
p-Terphenyl-d14 (Surr)	128		79 - 130	01/21/21 07:21	01/22/21 20:33	20
2,4,6-Tribromophenol (Surr)	128	S1+	54 - 120	01/21/21 07:21	01/22/21 20:33	20
2-Fluorobiphenyl (Surr)	98		60 - 120	01/21/21 07:21	01/22/21 20:33	20
2-Fluorophenol (Surr)	104		52 - 120	01/21/21 07:21	01/22/21 20:33	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	6500000		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
bis (2-chloroisopropyl) ether	ND		3900000	780000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2,4,5-Trichlorophenol	ND		3900000	1100000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2,4,6-Trichlorophenol	ND		3900000	780000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2,4-Dichlorophenol	ND		3900000	420000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2,4-Dimethylphenol	ND		3900000	950000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2,4-Dinitrophenol	ND		38000000	18000000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2,4-Dinitrotoluene	ND		3900000	810000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2,6-Dinitrotoluene	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2-Chloronaphthalene	ND		3900000	650000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2-Chlorophenol	ND		3900000	720000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2-Methylphenol	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2-Methylnaphthalene	52000000		3900000	780000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2-Nitroaniline	ND		7600000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
2-Nitrophenol	ND		3900000	1100000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
3,3'-Dichlorobenzidine	ND		7600000	4600000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
3-Nitroaniline	ND		7600000	1100000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100

★ Report from dilution
★★ Report

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-8

Lab Sample ID: 480-180232-2

Date Collected: 01/14/21 12:45

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		7600000	3900000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
4-Bromophenyl phenyl ether	ND		3900000	550000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
4-Chloro-3-methylphenol	ND		3900000	970000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
4-Chloroaniline	ND		3900000	970000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
4-Chlorophenyl phenyl ether	ND		3900000	480000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
4-Methylphenol	ND		7600000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
4-Nitroaniline	ND		7600000	2100000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
4-Nitrophenol	ND		7600000	2700000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Acenaphthene	5200000		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Acenaphthylene	14000000		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Acetophenone	ND		3900000	530000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Anthracene	9400000		3900000	970000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Atrazine	ND		3900000	1400000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Benzaldehyde	ND		3900000	3100000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Benzo[a]anthracene	5300000		3900000	390000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Benzo[a]pyrene	5400000		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Benzo[b]fluoranthene	2800000	J	3900000	620000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Benzo[g,h,i]perylene	2300000	J	3900000	420000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Benzo[k]fluoranthene	1400000	J	3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Bis(2-chloroethoxy)methane	ND		3900000	830000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Bis(2-chloroethyl)ether	ND		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Bis(2-ethylhexyl) phthalate	ND		3900000	1300000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Butyl benzyl phthalate	ND		3900000	650000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Caprolactam	ND		3900000	1200000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Carbazole	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Chrysene	4600000		3900000	880000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Dibenz(a,h)anthracene	ND		3900000	690000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Di-n-butyl phthalate	ND		3900000	670000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Di-n-octyl phthalate	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Dibenzofuran	1300000	J	3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Diethyl phthalate	ND		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Dimethyl phthalate	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Fluoranthene	9400000		3900000	420000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Fluorene	10000000		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Hexachlorobenzene	ND		3900000	530000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Hexachlorobutadiene	ND		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Hexachlorocyclopentadiene	ND		3900000	530000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Hexachloroethane	ND		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Indeno[1,2,3-cd]pyrene	1400000	J	3900000	480000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Isophorone	ND		3900000	830000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
N-Nitrosodi-n-propylamine	ND		3900000	670000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
N-Nitrosodiphenylamine	ND		3900000	3200000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Naphthalene	81000000		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Nitrobenzene	ND		3900000	440000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Pentachlorophenol	ND		7600000	3900000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Phenanthrene	34000000		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Phenol	ND		3900000	600000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100
Pyrene	19000000		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:34	100

Report

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-8

Lab Sample ID: 480-180232-2

Date Collected: 01/14/21 12:45

Matrix: Waste

Date Received: 01/14/21 15:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	S1-	53 - 120	01/21/21 07:21	01/25/21 11:34	100
Phenol-d5 (Surr)	0	S1-	54 - 120	01/21/21 07:21	01/25/21 11:34	100
p-Terphenyl-d14 (Surr)	133	S1+	79 - 130	01/21/21 07:21	01/25/21 11:34	100
2,4,6-Tribromophenol (Surr)	0	S1-	54 - 120	01/21/21 07:21	01/25/21 11:34	100
2-Fluorobiphenyl (Surr)	5	S1-	60 - 120	01/21/21 07:21	01/25/21 11:34	100
2-Fluorophenol (Surr)	0	S1-	52 - 120	01/21/21 07:21	01/25/21 11:34	100

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		7.7	1.5	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
4,4'-DDE	ND		7.7	2.2	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
4,4'-DDT	7.7	20 18 U	7.7	1.7	mg/Kg		01/21/21 07:18	01/21/21 15:54	18 20
Aldrin	ND		7.7	0.78	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
alpha-BHC	ND		7.7	1.4	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
cis-Chlordane	ND		7.7	3.8	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
beta-BHC	ND		7.7	5.5	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
delta-BHC	ND		7.7	1.0	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Dieldrin	ND		7.7	1.8	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Endosulfan I	ND		7.7	1.6	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Endosulfan II	ND		7.7	1.4	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Endosulfan sulfate	ND		7.7	1.4	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Endrin	ND		7.7	2.5	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Endrin aldehyde	ND		7.7	2.0	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Endrin ketone	ND		7.7	1.8	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
gamma-BHC (Lindane)	ND		7.7	5.5	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
trans-Chlordane	ND		7.7	1.1	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Heptachlor	ND		7.7	1.2	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Heptachlor epoxide	ND		7.7	2.0	mg/Kg		01/21/21 07:18	01/21/21 15:54	20
Methoxychlor	7.7	44 4 U	7.7	2.0	mg/Kg		01/21/21 07:18	01/21/21 15:54	20 20
Toxaphene	ND		77	45	mg/Kg		01/21/21 07:18	01/21/21 15:54	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	S1-	45 - 120	01/21/21 07:18	01/21/21 15:54	20
DCB Decachlorobiphenyl	0	S1-	45 - 120	01/21/21 07:18	01/21/21 15:54	20
Tetrachloro-m-xylene	0	S1-	30 - 124	01/21/21 07:18	01/21/21 15:54	20
Tetrachloro-m-xylene	0	S1-	30 - 124	01/21/21 07:18	01/21/21 15:54	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		77	15	mg/Kg		01/21/21 07:14	01/21/21 23:15	20
PCB-1221	ND		77	15	mg/Kg		01/21/21 07:14	01/21/21 23:15	20
PCB-1232	ND		77	15	mg/Kg		01/21/21 07:14	01/21/21 23:15	20
PCB-1242	ND		77	15	mg/Kg		01/21/21 07:14	01/21/21 23:15	20
PCB-1248	ND		77	15	mg/Kg		01/21/21 07:14	01/21/21 23:15	20
PCB-1254	ND		77	3.6	mg/Kg		01/21/21 07:14	01/21/21 23:15	20
PCB-1260	ND		77	3.6	mg/Kg		01/21/21 07:14	01/21/21 23:15	20
PCB-1262	ND		77	3.6	mg/Kg		01/21/21 07:14	01/21/21 23:15	20
PCB-1268	ND		77	3.6	mg/Kg		01/21/21 07:14	01/21/21 23:15	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	145		60 - 154	01/21/21 07:14	01/21/21 23:15	20

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-8

Lab Sample ID: 480-180232-2

Date Collected: 01/14/21 12:45

Matrix: Waste

Date Received: 01/14/21 15:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	104		60 - 154	01/21/21 07:14	01/21/21 23:15	20
DCB Decachlorobiphenyl (Surr)	171		65 - 174	01/21/21 07:14	01/21/21 23:15	20
DCB Decachlorobiphenyl (Surr)	92		65 - 174	01/21/21 07:14	01/21/21 23:15	20

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.1	4.5	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Antimony	ND		15.2	0.41	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Arsenic	0.83	J	2.0	0.41	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Barium	ND		0.51	0.11	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Beryllium	ND		0.20	0.028	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Cadmium	ND		0.20	0.030	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Calcium	50.1	5.4	50.7	3.3	mg/Kg		01/22/21 15:09	01/26/21 02:16	MR
Chromium	ND		0.51	0.20	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Cobalt	ND		0.51	0.051	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Copper	0.56	J	1.0	0.21	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Iron	ND		10.1	3.5	mg/Kg		01/22/21 15:09	01/27/21 17:28	1
Lead	0.29	J	1.0	0.24	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Magnesium	ND		20.3	0.94	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Manganese	0.20	0.15	0.20	0.032	mg/Kg		01/22/21 15:09	01/26/21 02:16	CCB
Nickel	ND		5.1	0.23	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Potassium	ND		30.4	20.3	mg/Kg		01/22/21 15:09	01/26/21 22:08	1
Selenium	ND		4.1	0.41	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Silver	ND		0.61	0.20	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Sodium	ND		142	13.2	mg/Kg		01/22/21 15:09	01/26/21 22:08	1
Thallium	ND		6.1	0.30	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Vanadium	0.24	J	0.51	0.11	mg/Kg		01/22/21 15:09	01/26/21 02:16	1
Zinc	ND		2.0	0.65	mg/Kg		01/22/21 15:09	01/26/21 02:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.055	0.022	mg/Kg		01/26/21 12:01	01/26/21 14:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.97	0.47	mg/Kg		01/25/21 22:10	01/26/21 22:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	1.0460		0.1000	0.1000	g/mL			01/22/21 17:52	1

Client Sample ID: MW-5R

Lab Sample ID: 480-180232-3

Date Collected: 01/14/21 14:00

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	200000		20000	5500	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,1,2,2-Tetrachloroethane	ND		20000	3200	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,1,2-Trichloroethane	ND		20000	4200	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20000	9900	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,1-Dichloroethane	26000		20000	6100	ug/Kg		01/20/21 09:44	01/21/21 16:18	200

Edwards Test America, Buffalo

3/17/2021

01/31/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-5R

Lab Sample ID: 480-180232-3

Date Collected: 01/14/21 14:00

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	28000		20000	6800	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,2,4-Trichlorobenzene	ND		20000	7500	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,2-Dibromo-3-Chloropropane	ND		20000	9900	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,2-Dichlorobenzene	ND		20000	5000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,2-Dichloroethane	ND		20000	8100	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,2-Dichloropropane	ND		20000	3200	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,3-Dichlorobenzene	ND		20000	5300	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,4-Dichlorobenzene	ND		20000	2800	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
2-Butanone (MEK)	ND		99000	59000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
2-Hexanone	ND		99000	41000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
4-Methyl-2-pentanone (MIBK)	ND		99000	6300	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Acetone	ND		99000	81000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Benzene	130000		20000	3800	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Bromodichloromethane	ND		20000	4000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Bromoform	ND		20000	9900	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Bromomethane	ND		20000	4300	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Carbon disulfide	ND		20000	9000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Carbon tetrachloride	ND		20000	5000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Chlorobenzene	ND		20000	2600	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Dibromochloromethane	ND		20000	9600	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Chloroethane	ND		20000	4100	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Chloroform	ND		20000	14000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Chloromethane	ND		20000	4700	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
cis-1,2-Dichloroethene	3200000 E		20000	5500	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
cis-1,3-Dichloropropene	ND		20000	4700	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Cyclohexane	ND		20000	4400	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Dichlorodifluoromethane	ND		20000	8600	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Ethylbenzene	1000000		20000	5800	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
1,2-Dibromoethane	ND		20000	3500	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Isopropylbenzene	18000 J		20000	3000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Methyl acetate	ND		99000	9400	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Methyl tert-butyl ether	ND		20000	7500	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Methylcyclohexane	ND		20000	9200	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Methylene Chloride	20000 11000 JB U		20000	3900	ug/Kg		01/20/21 09:44	01/21/21 16:18	MR 200
Styrene	260000		20000	4800	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Tetrachloroethene	ND		20000	2700	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Toluene	290000		20000	5300	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
trans-1,2-Dichloroethene	ND		20000	4700	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
trans-1,3-Dichloropropene	ND		20000	1900	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Trichloroethene	510000		20000	5500	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Trichlorofluoromethane	ND		20000	9300	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Vinyl chloride	49000		20000	6600	ug/Kg		01/20/21 09:44	01/21/21 16:18	200
Xylenes, Total	850000		40000	11000	ug/Kg		01/20/21 09:44	01/21/21 16:18	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 149	01/20/21 09:44	01/21/21 16:18	200
1,2-Dichloroethane-d4 (Surr)	102		53 - 146	01/20/21 09:44	01/21/21 16:18	200
4-Bromofluorobenzene (Surr)	102		49 - 148	01/20/21 09:44	01/21/21 16:18	200
Dibromofluoromethane (Surr)	98		60 - 140	01/20/21 09:44	01/21/21 16:18	200

Report from dilution

Edwards TestAmerica, Buffalo

3/17/2021

01/31/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-5R

Lab Sample ID: 480-180232-3

Date Collected: 01/14/21 14:00

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	220000		49000	14000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,1,2,2-Tetrachloroethane	ND		49000	8000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,1,2-Trichloroethane	ND		49000	10000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49000	25000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,1-Dichloroethane	25000	J	49000	15000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,1-Dichloroethene	ND		49000	17000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,2,4-Trichlorobenzene	ND		49000	19000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,2-Dibromo-3-Chloropropane	ND		49000	25000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,2-Dichlorobenzene	ND		49000	13000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,2-Dichloroethane	ND		49000	20000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,2-Dichloropropane	ND		49000	8000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,3-Dichlorobenzene	ND		49000	13000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,4-Dichlorobenzene	ND		49000	6900	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
2-Butanone (MEK)	ND		250000	150000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
2-Hexanone	ND		250000	100000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
4-Methyl-2-pentanone (MIBK)	ND		250000	16000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Acetone	ND		250000	200000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Benzene	120000		49000	9400	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Bromodichloromethane	ND		49000	9900	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Bromoform	ND		49000	25000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Bromomethane	ND		49000	11000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Carbon disulfide	ND		49000	22000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Carbon tetrachloride	ND		49000	13000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Chlorobenzene	ND		49000	6500	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Dibromochloromethane	ND		49000	24000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Chloroethane	ND		49000	10000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Chloroform	ND		49000	34000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Chloromethane	ND		49000	12000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
cis-1,2-Dichloroethene ✱	2500000		49000	14000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
cis-1,3-Dichloropropene	ND		49000	12000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Cyclohexane	ND		49000	11000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Dichlorodifluoromethane	ND		49000	22000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Ethylbenzene	980000		49000	14000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
1,2-Dibromoethane	ND		49000	8600	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Isopropylbenzene	19000	J	49000	7400	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Methyl acetate	ND		250000	24000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Methyl tert-butyl ether	ND		49000	19000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Methylcyclohexane	ND		49000	23000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Methylene Chloride	ND		49000	9800	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Styrene	230000		49000	12000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Tetrachloroethene	ND		49000	6600	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Toluene	270000		49000	13000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
trans-1,2-Dichloroethene	ND		49000	12000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
trans-1,3-Dichloropropene	ND		49000	4900	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Trichloroethene	450000		49000	14000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Trichlorofluoromethane	ND		49000	23000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Vinyl chloride	35000	J	49000	17000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500
Xylenes, Total	830000		99000	27000	ug/Kg		01/20/21 09:44	01/26/21 14:28	500

✱✱ Report

SNK Eurofins/TestAmerica, Buffalo
3/17/2021
01/31/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-5R

Lab Sample ID: 480-180232-3

Date Collected: 01/14/21 14:00

Matrix: Waste

Date Received: 01/14/21 15:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 149	01/20/21 09:44	01/26/21 14:28	500
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	01/20/21 09:44	01/26/21 14:28	500
4-Bromofluorobenzene (Surr)	98		49 - 148	01/20/21 09:44	01/26/21 14:28	500
Dibromofluoromethane (Surr)	97		60 - 140	01/20/21 09:44	01/26/21 14:28	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	6300000		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
bis (2-chloroisopropyl) ether	ND		780000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2,4,5-Trichlorophenol	ND		780000	210000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2,4,6-Trichlorophenol	ND		780000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2,4-Dichlorophenol	ND		780000	83000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2,4-Dimethylphenol	ND		780000	190000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2,4-Dinitrophenol	ND		7700000	3600000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2,4-Dinitrotoluene	ND		780000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2,6-Dinitrotoluene	ND		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2-Chloronaphthalene	ND		780000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2-Chlorophenol	ND		780000	140000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2-Methylphenol	ND		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2-Methylnaphthalene	4300000 E		780000	160000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2-Nitroaniline	ND		1500000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
2-Nitrophenol	ND		780000	220000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
3,3'-Dichlorobenzidine	ND		1500000	920000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
3-Nitroaniline	ND		1500000	220000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
4,6-Dinitro-2-methylphenol	ND		1500000	780000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
4-Bromophenyl phenyl ether	ND		780000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
4-Chloro-3-methylphenol	ND		780000	190000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
4-Chloroaniline	ND		780000	190000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
4-Chlorophenyl phenyl ether	ND		780000	97000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
4-Methylphenol	ND		1500000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
4-Nitroaniline	ND		1500000	410000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
4-Nitrophenol	ND		1500000	550000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Acenaphthene	4300000		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Acenaphthylene	14000000		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Acetophenone	ND		780000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Anthracene	8400000		780000	190000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Atrazine	ND		780000	270000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Benzaldehyde	ND		780000	620000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Benzo[a]anthracene	4900000		780000	78000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Benzo[a]pyrene	4800000		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Benzo[b]fluoranthene	3000000		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Benzo[g,h,i]perylene	2100000		780000	83000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Benzo[k]fluoranthene	960000		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Bis(2-chloroethoxy)methane	ND		780000	170000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Bis(2-chloroethyl)ether	ND		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Bis(2-ethylhexyl) phthalate	ND		780000	270000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Butyl benzyl phthalate	ND		780000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Caprolactam	ND		780000	240000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Carbazole	110000 J		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Chrysene	3700000		780000	180000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20

* Report from dilution

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-5R

Lab Sample ID: 480-180232-3

Date Collected: 01/14/21 14:00

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	480000	J	780000	140000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Di-n-butyl phthalate	ND		780000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Di-n-octyl phthalate	ND		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Dibenzofuran	1600000		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Diethyl phthalate	ND		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Dimethyl phthalate	ND		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Fluoranthene	8200000		780000	83000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Fluorene	8900000		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Hexachlorobenzene	ND		780000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Hexachlorobutadiene	ND		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Hexachlorocyclopentadiene	ND		780000	110000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Hexachloroethane	ND		780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Indeno[1,2,3-cd]pyrene	1400000		780000	97000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Isophorone	ND		780000	170000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
N-Nitrosodi-n-propylamine	ND		780000	130000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
N-Nitrosodiphenylamine	ND		780000	640000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Naphthalene	62000000	E	780000	100000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Nitrobenzene	ND		780000	88000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Pentachlorophenol	ND		1500000	780000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Phenanthrene	28000000	E	780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Phenol	ND		780000	120000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20
Pyrene	16000000		780000	92000	ug/Kg		01/21/21 07:21	01/22/21 20:57	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	92		53 - 120	01/21/21 07:21	01/22/21 20:57	20
Phenol-d5 (Surr)	91		54 - 120	01/21/21 07:21	01/22/21 20:57	20
p-Terphenyl-d14 (Surr)	115		79 - 130	01/21/21 07:21	01/22/21 20:57	20
2,4,6-Tribromophenol (Surr)	107		54 - 120	01/21/21 07:21	01/22/21 20:57	20
2-Fluorobiphenyl (Surr)	92		60 - 120	01/21/21 07:21	01/22/21 20:57	20
2-Fluorophenol (Surr)	115		52 - 120	01/21/21 07:21	01/22/21 20:57	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5600000		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
bis (2-chloroisopropyl) ether	ND		3900000	780000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2,4,5-Trichlorophenol	ND		3900000	1100000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2,4,6-Trichlorophenol	ND		3900000	780000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2,4-Dichlorophenol	ND		3900000	420000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2,4-Dimethylphenol	ND		3900000	950000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2,4-Dinitrophenol	ND		38000000	18000000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2,4-Dinitrotoluene	ND		3900000	810000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2,6-Dinitrotoluene	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2-Chloronaphthalene	ND		3900000	650000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2-Chlorophenol	ND		3900000	720000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2-Methylphenol	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2-Methylnaphthalene	47000000		3900000	780000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2-Nitroaniline	ND		7600000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
2-Nitrophenol	ND		3900000	1100000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
3,3'-Dichlorobenzidine	ND		7600000	4600000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
3-Nitroaniline	ND		7600000	1100000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100

* Report from dilution
** Report

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-5R

Lab Sample ID: 480-180232-3

Date Collected: 01/14/21 14:00

Matrix: Waste

Date Received: 01/14/21 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		7600000	3900000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
4-Bromophenyl phenyl ether	ND		3900000	550000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
4-Chloro-3-methylphenol	ND		3900000	970000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
4-Chloroaniline	ND		3900000	970000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
4-Chlorophenyl phenyl ether	ND		3900000	480000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
4-Methylphenol	ND		7600000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
4-Nitroaniline	ND		7600000	2100000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
4-Nitrophenol	ND		7600000	2700000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Acenaphthene	4200000		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Acenaphthylene	14000000		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Acetophenone	ND		3900000	530000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Anthracene	8500000		3900000	970000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Atrazine	ND		3900000	1400000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Benzaldehyde	ND		3900000	3100000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Benzo[a]anthracene	4500000		3900000	390000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Benzo[a]pyrene	4600000		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Benzo[b]fluoranthene	2600000	J	3900000	620000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Benzo[g,h,i]perylene	2000000	J	3900000	420000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Benzo[k]fluoranthene	1200000	J	3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Bis(2-chloroethoxy)methane	ND		3900000	830000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Bis(2-chloroethyl)ether	ND		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Bis(2-ethylhexyl) phthalate	ND		3900000	1300000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Butyl benzyl phthalate	ND		3900000	650000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Caprolactam	ND		3900000	1200000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Carbazole	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Chrysene	3600000	J	3900000	880000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Dibenz(a,h)anthracene	ND		3900000	690000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Di-n-butyl phthalate	ND		3900000	670000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Di-n-octyl phthalate	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Dibenzofuran	1300000	J	3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Diethyl phthalate	ND		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Dimethyl phthalate	ND		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Fluoranthene	8400000		3900000	420000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Fluorene	8700000		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Hexachlorobenzene	ND		3900000	530000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Hexachlorobutadiene	ND		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Hexachlorocyclopentadiene	ND		3900000	530000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Hexachloroethane	ND		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Indeno[1,2,3-cd]pyrene	1200000	J	3900000	480000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Isophorone	ND		3900000	830000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
N-Nitrosodi-n-propylamine	ND		3900000	670000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
N-Nitrosodiphenylamine	ND		3900000	3200000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Naphthalene	7500000		3900000	510000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Nitrobenzene	ND		3900000	440000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Pentachlorophenol	ND		7600000	3900000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Phenanthrene	30000000		3900000	580000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Phenol	ND		3900000	600000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100
Pyrene	16000000		3900000	460000	ug/Kg		01/21/21 07:21	01/25/21 11:59	100

Report

Eurofins TestAmerica Buffalo
3/17/2021
01/31/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-5R

Lab Sample ID: 480-180232-3

Date Collected: 01/14/21 14:00

Matrix: Waste

Date Received: 01/14/21 15:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	S1-	53 - 120	01/21/21 07:21	01/25/21 11:59	100
Phenol-d5 (Surr)	0	S1-	54 - 120	01/21/21 07:21	01/25/21 11:59	100
p-Terphenyl-d14 (Surr)	105		79 - 130	01/21/21 07:21	01/25/21 11:59	100
2,4,6-Tribromophenol (Surr)	0	S1-	54 - 120	01/21/21 07:21	01/25/21 11:59	100
2-Fluorobiphenyl (Surr)	0	S1-	60 - 120	01/21/21 07:21	01/25/21 11:59	100
2-Fluorophenol (Surr)	0	S1-	52 - 120	01/21/21 07:21	01/25/21 11:59	100

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		7.7	1.5	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
4,4'-DDE	ND		7.7	2.2	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
4,4'-DDT	7.7	23 1/2 U	7.7	1.7	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Aldrin	ND		7.7	0.78	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
alpha-BHC	ND		7.7	1.4	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
cis-Chlordane	ND		7.7	3.8	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
beta-BHC	ND		7.7	5.5	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
delta-BHC	ND		7.7	1.0	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Dieldrin	ND		7.7	1.8	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Endosulfan I	ND		7.7	1.6	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Endosulfan II	ND		7.7	1.4	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Endosulfan sulfate	ND		7.7	1.4	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Endrin	ND		7.7	2.5	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Endrin aldehyde	ND		7.7	2.0	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Endrin ketone	ND		7.7	1.8	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
gamma-BHC (Lindane)	ND		7.7	5.5	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
trans-Chlordane	ND		7.7	1.1	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Heptachlor	ND		7.7	1.2	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Heptachlor epoxide	ND		7.7	2.0	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Methoxychlor	4.5	J	7.7	2.0	mg/Kg		01/21/21 07:18	01/21/21 16:13	20
Toxaphene	ND		77	45	mg/Kg		01/21/21 07:18	01/21/21 16:13	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	S1-	45 - 120	01/21/21 07:18	01/21/21 16:13	20
DCB Decachlorobiphenyl	0	S1-	45 - 120	01/21/21 07:18	01/21/21 16:13	20
Tetrachloro-m-xylene	123		30 - 124	01/21/21 07:18	01/21/21 16:13	20
Tetrachloro-m-xylene	113		30 - 124	01/21/21 07:18	01/21/21 16:13	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		36	7.0	mg/Kg		01/21/21 07:14	01/21/21 23:27	10
PCB-1221	ND		36	7.0	mg/Kg		01/21/21 07:14	01/21/21 23:27	10
PCB-1232	ND		36	7.0	mg/Kg		01/21/21 07:14	01/21/21 23:27	10
PCB-1242	ND		36	7.0	mg/Kg		01/21/21 07:14	01/21/21 23:27	10
PCB-1248	ND		36	7.0	mg/Kg		01/21/21 07:14	01/21/21 23:27	10
PCB-1254	ND		36	1.7	mg/Kg		01/21/21 07:14	01/21/21 23:27	10
PCB-1260	ND		36	1.7	mg/Kg		01/21/21 07:14	01/21/21 23:27	10
PCB-1262	ND		36	1.7	mg/Kg		01/21/21 07:14	01/21/21 23:27	10
PCB-1268	ND		36	1.7	mg/Kg		01/21/21 07:14	01/21/21 23:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	152		60 - 154	01/21/21 07:14	01/21/21 23:27	10

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-180232-1

Client Sample ID: MW-5R

Date Collected: 01/14/21 14:00

Date Received: 01/14/21 15:45

Lab Sample ID: 480-180232-3

Matrix: Waste

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	98		60 - 154	01/21/21 07:14	01/21/21 23:27	10
DCB Decachlorobiphenyl (Surr)	144		65 - 174	01/21/21 07:14	01/21/21 23:27	10
DCB Decachlorobiphenyl (Surr)	83		65 - 174	01/21/21 07:14	01/21/21 23:27	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11.8	B	9.8	4.3	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Antimony	ND	B	14.7	0.39	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Arsenic	0.86	J	2.0	0.39	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Barium	0.23	J B	0.49	0.11	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Beryllium	ND		0.20	0.027	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Cadmium	ND		0.20	0.029	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Calcium	111	B	49.0	3.2	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Chromium	ND		0.49	0.20	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Cobalt	ND		0.49	0.049	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Copper	0.49	J	0.98	0.21	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Iron	43.7	B	9.8	3.4	mg/Kg		01/22/21 15:09	01/28/21 15:49	1
Lead	0.26	J	0.98	0.24	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Magnesium	38.5	B	19.6	0.91	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Manganese	0.72	B	0.20	0.031	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Nickel	ND		4.9	0.23	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Potassium	ND		29.4	19.6	mg/Kg		01/22/21 15:09	01/26/21 22:12	1
Selenium	ND		3.9	0.39	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Silver	ND		0.59	0.20	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Sodium	20.9	J	137	12.7	mg/Kg		01/22/21 15:09	01/26/21 22:12	1
Thallium	ND		5.9	0.29	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Vanadium	0.21	J	0.49	0.11	mg/Kg		01/22/21 15:09	01/26/21 02:20	1
Zinc	1.3	J	2.0	0.63	mg/Kg		01/22/21 15:09	01/26/21 02:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.057	0.023	mg/Kg		01/26/21 12:01	01/26/21 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.95	0.46	mg/Kg		01/25/21 22:10	01/26/21 22:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	1.0435		0.1000	0.1000	g/mL			01/22/21 17:52	1

481
3/17/2021

Eurofins TestAmerica, Buffalo

SEDIMENT

Project: NYSDEC 31 Tonawanda St- Off- Site #C915332,
31 Tonawanda, New York
Laboratory: Eurofins Environment Testing TestAmerica, Amherst, NY
Sample Delivery Group: 480-165259-1
Fraction: Organic
Matrix: Sediment
Report Date: 7/19/2020

This data usability summary report is based upon a review of analytical data generated for sediment samples. One field duplicate sample was submitted with the samples for this Sample Delivery Group. The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The samples were analyzed for volatile organic compounds, semivolatile organic compounds, polychlorinated biphenyls, and total organic carbon. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the "National Functional Guidelines for Organic Superfund Methods Data Review", USEPA January 2017. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

-
- | | | |
|---|---|---|
| X | • | Data Completeness |
| X | • | Chain of Custody Documentation/Sample Receipt |
| X | • | Holding Times |
| X | • | Instrument Performance |
| X | • | Initial and Continuing Calibrations |
| X | • | Laboratory and Field Blank Analysis Results |
| X | • | Surrogate Compound Recoveries |
| | • | Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility |
| | • | Field Duplicate Analysis Results |
| X | • | Laboratory Fortified Blank Results |
| X | • | Internal Standard Performance |
| X | • | Qualitative Identification |
| X | • | Quantitation/Reporting Limits |
-

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

July 19, 2020
Date

1.0 DATA COMPLETENESS

The NYSDEC ASP Category B deliverable data were provided by the laboratory.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody documentation was complete.

The samples were received in acceptable condition.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs \leq 20 percent) was exceeded for the following volatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. Positive results for these compounds have been marked with "J" qualifiers to indicate that they are quantitative estimates. Nondetect results are marked "UJ".

Calibration Standard	Analyte	%Difference	Associated Samples
CCVIS 180-305300/2 (Laboratory ID 3012902.D)	Bromomethane	27.9	BSA-SED2
	Chloroethane	36.4	
	Trichlorofluoromethane	26.5	
	Acetone	-21.7	
	2-Butanone	-28.2	
CCVIS 180-305295/2 (Laboratory ID 4012902.D)	Chloroethane	-26.8	BSA-SED1
	Dichlorofluoromethane	-21.7	
	Cyclohexane	23.5	
	Carbon Tetrachloride	21.1	
	1,2-Dibromo-3-Chloropropane	-23.6	

6.0 *LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

No compounds were detected in the associated laboratory method blank.

Trip blanks and field blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 *SURROGATE COMPOUNDS*

The results for polychlorinated biphenyls for the following samples should be considered quantitative estimates. Extremely high (>150%) recoveries were obtained for the surrogate compounds for the polychlorinated biphenyl analysis of these samples. The case narrative indicated that the presence of matrix interference was evident. Re-extraction and reanalysis was not performed. Positive results have been marked "J" to indicate that they are estimates. Nondetect results have been marked "UJ".

Sample	Surrogate Compound	Column
BSA-SED1	Tetrachloro-m-xylene Decachlorobiphenyl	Both
BSA-SED2	Tetrachloro-m-xylene Decachlorobiphenyl	RTX-CLP2 Both

The samples were analyzed for semivolatile organic compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

8.0 ***MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

9.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted for this job number.

10.0 ***LABORATORY CONTROL SAMPLE RESULTS***

The following table summarizes the volatile laboratory control sample (LCS) results that did not meet the indicated acceptance limits:

Compound	LCS (180-305295/3) %REC	QC Limits
Methyl tert-butyl ether	57	60-122

The unacceptable recovery for the above compound suggests inefficiencies with the analytical processes. Results for the compound are considered

biased low quantitative estimates and may be higher than reported. Sample BSA-SED1 was associated with the unacceptable LC. The methyl tert-butyl ether result for this sample is a nondetect and marked "UJ".

The following table summarizes the semivolatile LCS results that did not meet the indicated acceptance limits:

Compound	LCS (180-305295/3) %REC	QC Limits
Benzaldehyde	3	10-100

The unacceptable recovery for the compound suggests inefficiencies with the extraction/analytical processes. All samples were associated with the unacceptable LCS. Nondetect results for benzaldehyde for associated samples have been rejected and are considered suspect. The nondetect results are marked "R".

11.0 INTERNAL STANDARD PERFORMANCE

All criteria were met. No qualifiers were applied.

12.0 QUALITATIVE IDENTIFICATION

All criteria were met. No qualifiers were applied.

13.0 QUANTITATION/REPORTING LIMITS

The following samples were analyzed at dilutions for semivolatile organic compounds. The dilution analyses were performed because of suspected high concentrations of target compounds and/or interferences. RLs are elevated by the dilution factor have resulted for those compounds that were not detected. This should be noted when assessing the data.

Sample	Dilution Factor
BSA-SED1	50.0
BSA-SED2	50.0

The following samples were analyzed at dilutions for semivolatile organic compounds. The dilution analyses were performed because of suspected high concentrations of target compounds and/or interferences. RLs are elevated by the dilution factor have resulted for those compounds that were not detected. This should be noted when assessing the data.

Sample	Dilution Factor
BSA-SED1	10.0
BSA-SED2	10.0

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Semivolatile Organic Compounds	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Polychlorinated Biphenyls	Method 8082A, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Total Organic Carbon	Lloyd Kahn

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St- Off- Site #C915332
 Sediment Sampling
 Test America Job ID 480-165259-1

				Analyses Performed				
Sample ID	Lab ID		Collection Date	Matrix	VOC	SVOC	PCB	TOC
BSA-SED1	480-165259	3	1/15/2020	Sediment	X	X	X	X
BSA-SED2	480-165259	4	1/15/2020	Sediment	X	X	X	X

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165259-1

Client Sample ID: BSA-SED1

Date Collected: 01/15/20 12:35

Date Received: 01/16/20 12:28

Lab Sample ID: 480-165259-3

Matrix: Sediment

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	57.6		0.1	0.1	%			01/29/20 15:16	1

Client Sample ID: BSA-SED1

Date Collected: 01/15/20 12:35

Date Received: 01/16/20 12:28

Lab Sample ID: 480-165259-3

Matrix: Sediment

Percent Solids: 42.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		59	30	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,1,2,2-Tetrachloroethane	ND		59	35	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		59	22	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,1,2-Trichloroethane	ND		59	28	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,1-Dichloroethane	ND		59	21	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,1-Dichloroethene	ND		59	34	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,2-Dibromo-3-Chloropropane	ND		59	36	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	CC4
1,2-Dichlorobenzene	ND		59	24	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,2-Dichloroethane	ND		59	17	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,2-Dichloropropane	ND		59	29	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,2,4-Trichlorobenzene	ND		59	44	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,3-Dichlorobenzene	ND		59	19	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,4-Dichlorobenzene	ND		59	12	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
2-Butanone (MEK)	ND		59	34	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
2-Hexanone	ND		59	49	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
4-Methyl-2-pentanone (MIBK)	ND		59	22	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Acetone	ND		240	37	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Benzene	ND		59	23	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Bromoform	ND		59	31	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Bromomethane	ND		59	53	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Carbon disulfide	ND		59	35	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Carbon tetrachloride	ND		59	39	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	CC4
Chlorobenzene	ND		59	19	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Dibromochloromethane	ND		59	28	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Chloroform	ND		59	25	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Chloromethane	ND		59	45	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Chloroethane	ND		59	30	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	CC1
cis-1,2-Dichloroethene	ND		59	19	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
cis-1,3-Dichloropropene	ND		59	19	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Bromodichloromethane	ND		59	28	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Dichlorodifluoromethane	ND		59	34	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	CC2
Ethylbenzene	660		59	25	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
1,2-Dibromoethane	ND		59	32	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Cyclohexane	ND		59	14	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	CC4
Isopropylbenzene	110		59	27	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Methyl acetate	ND		290	69	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Methyl tert-butyl ether	ND		59	43	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	BSK
Methylcyclohexane	ND		59	25	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Methylene Chloride	53 J		59	45	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Styrene	ND		59	16	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Tetrachloroethene	ND		59	24	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Toluene	39 J		59	20	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165259-1

Client Sample ID: BSA-SED1

Lab Sample ID: 480-165259-3

Date Collected: 01/15/20 12:35

Matrix: Sediment

Date Received: 01/16/20 12:28

Percent Solids: 42.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		59	30	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
trans-1,3-Dichloropropene	ND		59	20	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Trichloroethene	ND		59	18	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Trichlorofluoromethane	ND		59	17	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Vinyl chloride	ND		59	43	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1
Xylenes, Total	700		120	51	ug/Kg	☼	01/29/20 10:36	01/29/20 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		71 - 114	01/29/20 10:36	01/29/20 12:37	1
4-Bromofluorobenzene (Surr)	103		74 - 114	01/29/20 10:36	01/29/20 12:37	1
Dibromofluoromethane (Surr)	98		76 - 116	01/29/20 10:36	01/29/20 12:37	1
Toluene-d8 (Surr)	95		85 - 125	01/29/20 10:36	01/29/20 12:37	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	790000		16000	4600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Acenaphthylene	700000		16000	3500	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Anthracene	1000000		16000	4100	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Benzo[a]anthracene	790000		16000	3000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Benzo[a]pyrene	710000		16000	3400	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Benzo[b]fluoranthene	360000		16000	3900	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Benzo[g,h,i]perylene	350000		16000	3400	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Benzo[k]fluoranthene	160000		16000	4700	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Bis(2-chloroethyl)ether	ND		16000	2900	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Bis(2-chloroethoxy)methane	ND		78000	3800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2,2'-oxybis[1-chloropropane]	ND		16000	5900	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Bis(2-ethylhexyl) phthalate	ND		780000	84000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
4-Bromophenyl phenyl ether	ND		78000	5600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Butyl benzyl phthalate	ND		78000	55000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
4-Chloroaniline	ND		78000	2600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2-Chloronaphthalene	ND		16000	3600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
4-Chlorophenyl phenyl ether	ND		78000	4800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Chrysene	570000		16000	3100	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Dibenz(a,h)anthracene	86000		16000	3500	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Dibenzofuran	130000		78000	3500	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Di-n-butyl phthalate	ND		78000	35000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
3,3'-Dichlorobenzidine	ND		78000	74000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Diethyl phthalate	ND		78000	28000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Dimethyl phthalate	ND		78000	2900	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2,4-Dinitrotoluene	ND		78000	3900	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2,6-Dinitrotoluene	ND		78000	4900	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Di-n-octyl phthalate	ND		78000	46000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Fluoranthene	1300000		16000	4200	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Fluorene	800000		16000	3100	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Hexachlorobenzene	ND		16000	5700	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Hexachlorobutadiene	ND		16000	4600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Hexachlorocyclopentadiene	ND		78000	8100	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Hexachloroethane	ND		78000	4100	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Indeno[1,2,3-cd]pyrene	240000		16000	3200	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Isophorone	ND		78000	4000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165259-1

Client Sample ID: BSA-SED1

Lab Sample ID: 480-165259-3

Date Collected: 01/15/20 12:35

Matrix: Sediment

Date Received: 01/16/20 12:28

Percent Solids: 42.4

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1900000		16000	3800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Naphthalene	8700000		16000	3100	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2-Nitroaniline	ND		400000	36000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
3-Nitroaniline	ND		400000	20000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
4-Nitroaniline	ND		400000	3800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Nitrobenzene	ND		160000	29000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
N-Nitrosodi-n-propylamine	ND		16000	5400	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
N-Nitrosodiphenylamine	ND		78000	26000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Phenanthrene	2600000		16000	4200	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Pyrene	2700000		16000	3700	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Carbazole	ND		16000	3700	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Acetophenone	ND		160000	4300	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Atrazine	ND		160000	35000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Benzaldehyde	ND	R	160000	9800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
1,1'-Biphenyl	300000		78000	3300	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Caprolactam	ND		400000	52000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
4-Chloro-3-methylphenol	ND		78000	3700	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2-Chlorophenol	ND		78000	3700	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2-Methylphenol	ND		78000	23000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Methylphenol, 3 & 4	ND		78000	23000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2,4-Dichlorophenol	ND		16000	6100	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2,4-Dimethylphenol	ND		78000	4900	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2,4-Dinitrophenol	ND		780000	210000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
4,6-Dinitro-2-methylphenol	ND		400000	140000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2-Nitrophenol	ND		78000	13000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
4-Nitrophenol	ND		400000	56000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Pentachlorophenol	ND		400000	130000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
Phenol	ND		78000	24000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2,4,5-Trichlorophenol	ND		78000	5600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50
2,4,6-Trichlorophenol	ND		78000	4300	ug/Kg	☼	01/29/20 10:34	01/31/20 21:31	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	X D	37 - 107	01/29/20 10:34	01/31/20 21:31	50
2-Fluorophenol (Surr)	0	X D	38 - 106	01/29/20 10:34	01/31/20 21:31	50
2,4,6-Tribromophenol (Surr)	0	X D	22 - 116	01/29/20 10:34	01/31/20 21:31	50
Nitrobenzene-d5 (Surr)	0	X D	41 - 112	01/29/20 10:34	01/31/20 21:31	50
Phenol-d5 (Surr)	0	X D	40 - 110	01/29/20 10:34	01/31/20 21:31	50
Terphenyl-d14 (Surr)	0	X D	32 - 115	01/29/20 10:34	01/31/20 21:31	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	LS	34	11	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10
PCB-1221	ND		34	12	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10
PCB-1232	ND		34	8.2	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10
PCB-1242	ND		34	4.9	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10
PCB-1248	ND		34	8.1	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10
PCB-1254	ND		34	10	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10
PCB-1260	310	J	34	9.6	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10
PCB-1262	ND	LS	34	12	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10
PCB-1268	ND	LS	34	4.5	ug/Kg	☼	01/29/20 10:43	01/30/20 14:10	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165259-1

Client Sample ID: BSA-SED1

Date Collected: 01/15/20 12:35

Date Received: 01/16/20 12:28

Lab Sample ID: 480-165259-3

Matrix: Sediment

Percent Solids: 42.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	421	p X	20 - 150	01/29/20 10:43	01/30/20 14:10	10
DCB Decachlorobiphenyl (Surr)	793	X	20 - 150	01/29/20 10:43	01/30/20 14:10	10
Tetrachloro-m-xylene (Surr)	579	X	20 - 138	01/29/20 10:43	01/30/20 14:10	10
Tetrachloro-m-xylene (Surr)	621	X	20 - 138	01/29/20 10:43	01/30/20 14:10	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	211000	J	2360	1760	mg/Kg	☼		01/29/20 13:55	1

Client Sample ID: BSA-SED2

Date Collected: 01/15/20 12:56

Date Received: 01/16/20 12:28

Lab Sample ID: 480-165259-4

Matrix: Sediment

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	54.1		0.1	0.1	%	—		01/29/20 15:16	1

Client Sample ID: BSA-SED2

Date Collected: 01/15/20 12:56

Date Received: 01/16/20 12:28

Lab Sample ID: 480-165259-4

Matrix: Sediment

Percent Solids: 45.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11	5.5	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,1,2,2-Tetrachloroethane	ND		11	6.5	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	4.2	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,1,2-Trichloroethane	ND		11	5.2	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,1-Dichloroethane	ND		11	3.9	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,1-Dichloroethene	ND		11	6.2	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,2-Dibromo-3-Chloropropane	ND		11	6.7	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,2-Dichlorobenzene	ND		11	4.4	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,2-Dichloroethane	ND		11	3.2	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,2-Dichloropropane	ND		11	5.3	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,2,4-Trichlorobenzene	ND		11	8.1	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,3-Dichlorobenzene	ND		11	3.5	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,4-Dichlorobenzene	ND		11	2.2	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
2-Butanone (MEK)	ND	UJ	11	6.3	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	CC4
2-Hexanone	ND		11	9.1	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		11	4.0	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Acetone	ND	UJ	44	6.9	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	CC4
Benzene	ND		11	4.3	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Bromoform	ND		11	5.7	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Bromomethane	ND	UJ	11	9.8	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	CC4
Carbon disulfide	ND		11	6.6	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Carbon tetrachloride	ND		11	7.2	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Chlorobenzene	ND		11	3.4	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Dibromochloromethane	ND		11	5.2	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Chloroform	ND		11	4.6	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Chloromethane	ND		11	8.4	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Chloroethane	ND	UJ	11	5.6	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	CC4
cis-1,2-Dichloroethene	ND		11	3.4	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165259-1

Client Sample ID: BSA-SED2

Lab Sample ID: 480-165259-4

Date Collected: 01/15/20 12:56

Matrix: Sediment

Date Received: 01/16/20 12:28

Percent Solids: 45.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		11	3.5	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Bromodichloromethane	ND		11	5.1	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Dichlorodifluoromethane	ND		11	6.4	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Ethylbenzene	ND		11	4.7	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
1,2-Dibromoethane	ND		11	5.9	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Cyclohexane	ND		11	2.7	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Isopropylbenzene	ND		11	5.0	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Methyl acetate	ND		54	13	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Methyl tert-butyl ether	ND		11	8.0	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Methylcyclohexane	ND		11	4.6	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Methylene Chloride	12		11	8.4	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Styrene	ND		11	2.9	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Tetrachloroethene	ND		11	4.4	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Toluene	ND		11	3.7	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
trans-1,2-Dichloroethene	ND		11	5.5	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
trans-1,3-Dichloropropene	ND		11	3.8	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Trichloroethene	ND		11	3.3	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Trichlorofluoromethane	ND		11	3.2	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Vinyl chloride	ND		11	8.0	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1
Xylenes, Total	ND		22	9.4	ug/Kg	☼	01/29/20 10:26	01/29/20 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		71 - 114	01/29/20 10:26	01/29/20 12:08	1
4-Bromofluorobenzene (Surr)	84		74 - 114	01/29/20 10:26	01/29/20 12:08	1
Dibromofluoromethane (Surr)	108		76 - 116	01/29/20 10:26	01/29/20 12:08	1
Toluene-d8 (Surr)	107		85 - 125	01/29/20 10:26	01/29/20 12:08	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	6300		1100	310	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Acenaphthylene	32000		1100	240	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Anthracene	19000		1100	280	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Benzo[a]anthracene	48000		1100	210	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Benzo[a]pyrene	50000		1100	240	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Benzo[b]fluoranthene	33000		1100	270	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Benzo[g,h,i]perylene	30000		1100	240	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Benzo[k]fluoranthene	8900		1100	330	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Bis(2-chloroethyl)ether	ND		1100	200	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Bis(2-chloroethoxy)methane	ND		5400	260	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2,2'-oxybis[1-chloropropane]	ND		1100	410	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Bis(2-ethylhexyl) phthalate	ND		54000	5800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
4-Bromophenyl phenyl ether	ND		5400	380	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Butyl benzyl phthalate	ND		5400	3800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
4-Chloroaniline	ND		5400	180	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2-Chloronaphthalene	ND		1100	250	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
4-Chlorophenyl phenyl ether	ND		5400	330	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Chrysene	38000		1100	210	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Dibenz(a,h)anthracene	6900		1100	240	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Dibenzofuran	850 J		5400	240	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Di-n-butyl phthalate	ND		5400	2400	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165259-1

Client Sample ID: BSA-SED2

Lab Sample ID: 480-165259-4

Date Collected: 01/15/20 12:56

Matrix: Sediment

Date Received: 01/16/20 12:28

Percent Solids: 45.9

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		5400	5100	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Diethyl phthalate	ND		5400	1900	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Dimethyl phthalate	ND		5400	200	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2,4-Dinitrotoluene	ND		5400	270	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2,6-Dinitrotoluene	ND		5400	340	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Di-n-octyl phthalate	ND		5400	3200	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Fluoranthene	57000		1100	290	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Fluorene	8000		1100	210	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Hexachlorobenzene	ND		1100	390	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Hexachlorobutadiene	ND		1100	320	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Hexachlorocyclopentadiene	ND		5400	560	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Hexachloroethane	ND		5400	280	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Indeno[1,2,3-cd]pyrene	21000		1100	220	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Isophorone	ND		5400	280	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2-Methylnaphthalene	2500		1100	260	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Naphthalene	1500		1100	210	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2-Nitroaniline	ND		28000	2500	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
3-Nitroaniline	ND		28000	1400	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
4-Nitroaniline	ND		28000	260	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Nitrobenzene	ND		11000	2000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
N-Nitrosodi-n-propylamine	ND		1100	370	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
N-Nitrosodiphenylamine	ND		5400	1800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Phenanthrene	36000		1100	290	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Pyrene	120000		1100	260	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Carbazole	520 J		1100	250	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Acetophenone	ND		11000	300	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Atrazine	ND		11000	2400	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Benzaldehyde	ND ^{NR}		11000	680	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50 ^{BSL}
1,1'-Biphenyl	1100 J		5400	230	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Caprolactam	ND		28000	3600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
4-Chloro-3-methylphenol	ND		5400	260	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2-Chlorophenol	ND		5400	250	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2-Methylphenol	ND		5400	1600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Methylphenol, 3 & 4	ND		5400	1600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2,4-Dichlorophenol	ND		1100	420	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2,4-Dimethylphenol	ND		5400	340	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2,4-Dinitrophenol	ND		54000	15000	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
4,6-Dinitro-2-methylphenol	ND		28000	9400	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2-Nitrophenol	ND		5400	870	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
4-Nitrophenol	ND		28000	3800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Pentachlorophenol	ND		28000	8800	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
Phenol	ND		5400	1600	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2,4,5-Trichlorophenol	ND		5400	390	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50
2,4,6-Trichlorophenol	ND		5400	300	ug/Kg	☼	01/29/20 10:34	01/31/20 21:58	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	X D	37 - 107	01/29/20 10:34	01/31/20 21:58	50
2-Fluorophenol (Surr)	0	X D	38 - 106	01/29/20 10:34	01/31/20 21:58	50
2,4,6-Tribromophenol (Surr)	0	X D	22 - 116	01/29/20 10:34	01/31/20 21:58	50
Nitrobenzene-d5 (Surr)	0	X D	41 - 112	01/29/20 10:34	01/31/20 21:58	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165259-1

Client Sample ID: BSA-SED2

Lab Sample ID: 480-165259-4

Date Collected: 01/15/20 12:56

Matrix: Sediment

Date Received: 01/16/20 12:28

Percent Solids: 45.9

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	0	X D	40 - 110	01/29/20 10:34	01/31/20 21:58	50
Terphenyl-d14 (Surr)	0	X D	32 - 115	01/29/20 10:34	01/31/20 21:58	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	US	14	4.4	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10
PCB-1221	ND		14	4.9	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10
PCB-1232	ND		14	3.3	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10
PCB-1242	ND		14	2.0	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10
PCB-1248	ND		14	3.3	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10
PCB-1254	ND		14	4.1	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10
PCB-1260	170		14	3.9	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10
PCB-1262	ND		14	4.8	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10
PCB-1268	ND		14	1.8	ug/Kg	☼	01/29/20 10:43	01/30/20 14:28	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	97	p	20 - 150	01/29/20 10:43	01/30/20 14:28	10
DCB Decachlorobiphenyl (Surr)	406	X	20 - 150	01/29/20 10:43	01/30/20 14:28	10
Tetrachloro-m-xylene (Surr)	163	X	20 - 138	01/29/20 10:43	01/30/20 14:28	10
Tetrachloro-m-xylene (Surr)	175	X	20 - 138	01/29/20 10:43	01/30/20 14:28	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	82100		2180	1620	mg/Kg	☼		01/29/20 14:06	1

SMK
2/20/2020

SURFACE WATER

Project: NYSDEC 31 Tonawanda St- Off- Site #C915332,
31 Tonawanda, New York
Laboratory: Eurofins Environment Testing TestAmerica, Amherst, NY
Sample Delivery Group: 480-165255-1
Fraction: Organic
Matrix: Solid
Report Date: 7/24/2020

This data usability summary report is based upon a review of analytical data generated for surface water and waste samples. The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The samples were analyzed for volatile organic compounds, semivolatile organic compounds, and polychlorinated biphenyls. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the "National Functional Guidelines for Organic Superfund Methods Data Review", USEPA January 2017. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
X	•	Surrogate Compound Recoveries
	•	Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
	•	Field Duplicate Analysis Results
X	•	Laboratory Fortified Blank Results
X	•	Internal Standard Performance
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

July 24, 2020
Date

1.0 DATA COMPLETENESS

The NYSDEC ASP Category B deliverable data were provided by the laboratory.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody documentation was complete.

The samples were received in acceptable condition.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs ≤ 20 percent) was exceeded for the following volatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect result is marked "UJ" to indicate that it is an estimate.

Calibration Standard	Analyte	%Difference	Associated Samples
CCVIS 480-515121/3 (Laboratory ID N1007.D)	Carbon Disulfide	-21.7	1660-MW-7-DNAPL

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs ≤ 20 percent) was exceeded for the following semivolatile continuing calibration standards. This indicates a lack of instrument stability for the compound. The nondetect result is marked "UJ" to indicate that it is an estimate.

Calibration Standard	Analyte	%Difference	Associated Samples
CCVIS 480-514651/3 (Laboratory ID Y0281426.D)	Pentachlorophenol	20.5	BSA-SW1

The continuing calibration precision criterion (the percent difference between initial and continuing CFs ≤ 15 percent) was exceeded for the polychlorinated biphenyls continuing calibration standards presented in Table 2. This indicates a lack of instrument stability for these analytes. The results for polychlorinated biphenyls for associated samples are considered quantitative estimates. Nondetect results are marked "UJ".

6.0 *LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

No compounds were detected in the associated laboratory method blanks.

Trip blanks and field blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 *SURROGATE COMPOUNDS*

Sample 1660-MW-7-DNAPL was analyzed for semivolatile organic compounds at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

Sample 1660-MW-7-DNAPL was analyzed for polychlorinated biphenyls at dilutions that did not allow for the determination of whether the unacceptable recoveries were due to matrix interferences and/or extraction/analytical processes. This should be noted when assessing the data.

8.0 ***MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY***

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

9.0 ***FIELD DUPLICATE RESULTS***

Field duplicate samples were not submitted for this job number.

10.0 ***LABORATORY CONTROL SAMPLE RESULTS***

All criteria were met. No qualifiers were applied.

11.0 ***INTERNAL STANDARD PERFORMANCE***

All criteria were met. No qualifiers were applied.

12.0 ***QUALITATIVE IDENTIFICATION***

All criteria were met. No qualifiers were applied.

13.0 ***QUANTITATION/REPORTING LIMITS***

Sample 1660-MW-7-DNAPL was analyzed for volatile organic compounds at a 2000-fold dilution. The dilution analysis was performed because of the suspected presence of high levels of target compounds and/or interferences. Reporting limits (RLs) are elevated by the dilution factor for these samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for this sample.

Sample 1660-MW-7-DNAPL was analyzed for semivolatile organic compounds at a 200-fold dilution. The dilution analysis was performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for these

samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for this sample.

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with “J” qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Semivolatile Organic Compounds	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Polychlorinated Biphenyls	Method 8082A, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St- Off- Site #C915332
 Surface Water and Waste Sampling
 Test America Job ID 480-165255-1

Analyses Performed							
Sample ID	Lab ID		Collection Date	Matrix	VOC	SVOC	PCB
BSA-SW1	480-165255	1	1/15/2020	Surface Water	X	X	X
1660-MW-7-DNAPL	480-165255	2	1/15/2020	Waste	X	X	X

Table 2

Polychlorinated Biphenyls Continuing Calibrations Exceeding Precision Criteria

Calibration Standard	Analyte		%Difference	Associated Samples
File ID CCVIS 480-514951/5\7_64-178.D (GC Column:ZB-5)	Aroclor 1016	1	-20.9	BSA-SW1
	Aroclor 1016	2		
	Aroclor 1016	3		
	Aroclor 1016	4		
	Aroclor 1016	5	-27.8	
	Aroclor 1260	1		
	Aroclor 1260	2		
	Aroclor 1260	3		
	Aroclor 1260	4		
	Aroclor 1260	5		
File ID CCVIS 480-514951/7\7_64-180.D (GC Column:ZB-5)	Aroclor 1232	1		BSA-SW1
	Aroclor 1232	2		
	Aroclor 1232	3	31.0	
	Aroclor 1232	4		
	Aroclor 1232	5		
	Aroclor 1262	1		
	Aroclor 1262	2		
	Aroclor 1262	3	26.50	
	Aroclor 1262	4		
	Aroclor 1262	5		

Table 2

Polychlorinated Biphenyls Continuing Calibrations Exceeding Precision Criteria

Calibration Standard	Analyte		%Difference	Associated Samples
File ID CCVIS 480-514951/7\7_64-180.D (GC Column:ZB-35)	Aroclor 1232	1		BSA-SW1
	Aroclor 1232	2	34.2	
	Aroclor 1232	3	28.6	
	Aroclor 1232	4	41.7	
	Aroclor 1232	5		
	Aroclor 1262	1	50.2	
	Aroclor 1262	2	67.5	
	Aroclor 1262	3	70.3	
	Aroclor 1262	4		
	Aroclor 1262	5	27.8	
File ID CCVIS 480-514951/11\7_64-184.D (GC Column:ZB-35)	Aroclor 1248	1	34.1	BSA-SW1
	Aroclor 1248	2	21.1	
	Aroclor 1248	3	28.9	
	Aroclor 1248	4	31.7	
	Aroclor 1248	5	31.0	

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165255-1

Client Sample ID: BSA-SW1

Lab Sample ID: 480-165255-1

Date Collected: 01/15/20 12:09

Matrix: Water

Date Received: 01/16/20 12:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/22/20 11:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/22/20 11:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/22/20 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/22/20 11:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/22/20 11:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/22/20 11:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/22/20 11:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/22/20 11:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/22/20 11:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/22/20 11:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/22/20 11:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/22/20 11:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/22/20 11:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/22/20 11:42	1
2-Hexanone	ND		5.0	1.2	ug/L			01/22/20 11:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/22/20 11:42	1
Acetone	ND		10	3.0	ug/L			01/22/20 11:42	1
Benzene	ND		1.0	0.41	ug/L			01/22/20 11:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/22/20 11:42	1
Bromoform	ND		1.0	0.26	ug/L			01/22/20 11:42	1
Bromomethane	ND		1.0	0.69	ug/L			01/22/20 11:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/22/20 11:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/22/20 11:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/22/20 11:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/22/20 11:42	1
Chloroethane	ND		1.0	0.32	ug/L			01/22/20 11:42	1
Chloroform	ND		1.0	0.34	ug/L			01/22/20 11:42	1
Chloromethane	ND		1.0	0.35	ug/L			01/22/20 11:42	1
cis-1,2-Dichloroethene	2.8	✓	1.0	0.81	ug/L			01/22/20 11:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/22/20 11:42	1
Cyclohexane	ND		1.0	0.18	ug/L			01/22/20 11:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/22/20 11:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/22/20 11:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/22/20 11:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/22/20 11:42	1
Methyl acetate	ND		2.5	1.3	ug/L			01/22/20 11:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/22/20 11:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/22/20 11:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/22/20 11:42	1
Styrene	ND		1.0	0.73	ug/L			01/22/20 11:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/22/20 11:42	1
Toluene	ND		1.0	0.51	ug/L			01/22/20 11:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/22/20 11:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/22/20 11:42	1
Trichloroethene	ND		1.0	0.46	ug/L			01/22/20 11:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/22/20 11:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/22/20 11:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/22/20 11:42	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165255-1

Client Sample ID: BSA-SW1

Lab Sample ID: 480-165255-1

Date Collected: 01/15/20 12:09

Matrix: Water

Date Received: 01/16/20 12:28

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		01/22/20 11:42	1
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		01/22/20 11:42	1
4-Bromofluorobenzene (Surr)	98		73 - 120		01/22/20 11:42	1
Dibromofluoromethane (Surr)	102		75 - 123		01/22/20 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		01/21/20 15:15	01/23/20 15:06	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/21/20 15:15	01/23/20 15:06	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/21/20 15:15	01/23/20 15:06	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/21/20 15:15	01/23/20 15:06	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		01/21/20 15:15	01/23/20 15:06	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/21/20 15:15	01/23/20 15:06	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/21/20 15:15	01/23/20 15:06	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/21/20 15:15	01/23/20 15:06	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/21/20 15:15	01/23/20 15:06	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/21/20 15:15	01/23/20 15:06	1
2-Chlorophenol	ND		5.0	0.53	ug/L		01/21/20 15:15	01/23/20 15:06	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/21/20 15:15	01/23/20 15:06	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/21/20 15:15	01/23/20 15:06	1
2-Nitroaniline	ND		10	0.42	ug/L		01/21/20 15:15	01/23/20 15:06	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/21/20 15:15	01/23/20 15:06	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		01/21/20 15:15	01/23/20 15:06	1
3-Nitroaniline	ND		10	0.48	ug/L		01/21/20 15:15	01/23/20 15:06	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/21/20 15:15	01/23/20 15:06	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/21/20 15:15	01/23/20 15:06	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/21/20 15:15	01/23/20 15:06	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/21/20 15:15	01/23/20 15:06	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/21/20 15:15	01/23/20 15:06	1
4-Methylphenol	ND		10	0.36	ug/L		01/21/20 15:15	01/23/20 15:06	1
4-Nitroaniline	ND		10	0.25	ug/L		01/21/20 15:15	01/23/20 15:06	1
4-Nitrophenol	ND		10	1.5	ug/L		01/21/20 15:15	01/23/20 15:06	1
Acenaphthene	ND		5.0	0.41	ug/L		01/21/20 15:15	01/23/20 15:06	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/21/20 15:15	01/23/20 15:06	1
Acetophenone	ND		5.0	0.54	ug/L		01/21/20 15:15	01/23/20 15:06	1
Anthracene	ND		5.0	0.28	ug/L		01/21/20 15:15	01/23/20 15:06	1
Atrazine	ND		5.0	0.46	ug/L		01/21/20 15:15	01/23/20 15:06	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/21/20 15:15	01/23/20 15:06	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/21/20 15:15	01/23/20 15:06	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/21/20 15:15	01/23/20 15:06	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/21/20 15:15	01/23/20 15:06	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/21/20 15:15	01/23/20 15:06	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/21/20 15:15	01/23/20 15:06	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/21/20 15:15	01/23/20 15:06	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/21/20 15:15	01/23/20 15:06	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/21/20 15:15	01/23/20 15:06	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/21/20 15:15	01/23/20 15:06	1
Caprolactam	ND		5.0	2.2	ug/L		01/21/20 15:15	01/23/20 15:06	1
Carbazole	ND		5.0	0.30	ug/L		01/21/20 15:15	01/23/20 15:06	1
Chrysene	ND		5.0	0.33	ug/L		01/21/20 15:15	01/23/20 15:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St. - OffSite C915299A

Job ID: 480-165255-1

Client Sample ID: BSA-SW1

Lab Sample ID: 480-165255-1

Date Collected: 01/15/20 12:09

Matrix: Water

Date Received: 01/16/20 12:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/21/20 15:15	01/23/20 15:06	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/21/20 15:15	01/23/20 15:06	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/21/20 15:15	01/23/20 15:06	1
Dibenzofuran	ND		10	0.51	ug/L		01/21/20 15:15	01/23/20 15:06	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/21/20 15:15	01/23/20 15:06	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/21/20 15:15	01/23/20 15:06	1
Fluoranthene	ND		5.0	0.40	ug/L		01/21/20 15:15	01/23/20 15:06	1
Fluorene	ND		5.0	0.36	ug/L		01/21/20 15:15	01/23/20 15:06	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/21/20 15:15	01/23/20 15:06	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/21/20 15:15	01/23/20 15:06	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/21/20 15:15	01/23/20 15:06	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/21/20 15:15	01/23/20 15:06	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/21/20 15:15	01/23/20 15:06	1
Isophorone	ND		5.0	0.43	ug/L		01/21/20 15:15	01/23/20 15:06	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/21/20 15:15	01/23/20 15:06	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		01/21/20 15:15	01/23/20 15:06	1
Naphthalene	ND		5.0	0.76	ug/L		01/21/20 15:15	01/23/20 15:06	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/21/20 15:15	01/23/20 15:06	1
Pentachlorophenol	ND		10	2.2	ug/L		01/21/20 15:15	01/23/20 15:06	1
Phenanthrene	ND		5.0	0.44	ug/L		01/21/20 15:15	01/23/20 15:06	1
Phenol	ND		5.0	0.39	ug/L		01/21/20 15:15	01/23/20 15:06	1
Pyrene	0.67	J	5.0	0.34	ug/L		01/21/20 15:15	01/23/20 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	97		46 - 120	01/21/20 15:15	01/23/20 15:06	1
Phenol-d5 (Surr)	47		22 - 120	01/21/20 15:15	01/23/20 15:06	1
p-Terphenyl-d14 (Surr)	94		60 - 148	01/21/20 15:15	01/23/20 15:06	1
2,4,6-Tribromophenol (Surr)	95		41 - 120	01/21/20 15:15	01/23/20 15:06	1
2-Fluorobiphenyl (Surr)	97		48 - 120	01/21/20 15:15	01/23/20 15:06	1
2-Fluorophenol (Surr)	65		35 - 120	01/21/20 15:15	01/23/20 15:06	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		01/24/20 15:11	01/27/20 16:27	1
PCB-1221	ND		0.50	0.18	ug/L		01/24/20 15:11	01/27/20 16:27	1
PCB-1232	ND		0.50	0.18	ug/L		01/24/20 15:11	01/27/20 16:27	1
PCB-1242	ND		0.50	0.18	ug/L		01/24/20 15:11	01/27/20 16:27	1
PCB-1248	ND		0.50	0.18	ug/L		01/24/20 15:11	01/27/20 16:27	1
PCB-1254	ND		0.50	0.25	ug/L		01/24/20 15:11	01/27/20 16:27	1
PCB-1260	ND		0.50	0.25	ug/L		01/24/20 15:11	01/27/20 16:27	1
PCB-1262	ND		0.50	0.25	ug/L		01/24/20 15:11	01/27/20 16:27	1
PCB-1268	ND		0.50	0.25	ug/L		01/24/20 15:11	01/27/20 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	72		39 - 121	01/24/20 15:11	01/27/20 16:27	1
DCB Decachlorobiphenyl (Surr)	37		19 - 120	01/24/20 15:11	01/27/20 16:27	1

Quality Assessment Data Usability Summary Report

RemVēr Project #2020GE39 Client Project #0901816-02-840			
Site:	31 Tonawanda St., Off-site Buffalo, NY	Site #:	C915299A
Client:	NYSDEC via GES, Inc.	Site Owner:	-N/A-
Sample Delivery Groups (SDGs)		See Table #1	
Sample Matrix:	<input checked="" type="checkbox"/> Drinking water	<input checked="" type="checkbox"/> Groundwater	<input checked="" type="checkbox"/> Surface water
	<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Sediment	<input type="checkbox"/> Air
	<input type="checkbox"/> Biota (tissue, type: _____)		<input type="checkbox"/> Other: _____

Introduction

Groundwater & Environmental Services (GES) contracted RemVēr to perform a data quality assessment (DQA) on analytical laboratory data of groundwater samples. Eurofins/Test America (E/TA) reported the data in separate Sample Delivery Groups (SDGs, see Table 1). Table 2 provides a cross-list of the samples associated with each SDG.

A DQA is an evaluation of the performance of analytical procedures and quality of the resulting data. Following the requirements of the New York State Department of Environmental Conservation (NYSDEC) Data Usability Summary Report (DUSR) guidelines for an Analytical Services Protocol (ASP) Category B Data Deliverable, RemVēr prepared a separate DQA/DUSR sub-report for each SDG, evaluating the performance of the analytical procedures and the quality of the resulting data. Each sub-report includes a narrative discussion of qualified sample, a DQA Detail Worksheet, and a Non-Conformance Summary Worksheet describing the final reported qualification flags applied to the data during the DQA. Additionally, one validated EXCEL electronic data deliverable (EDD) is included with this deliverable for each SDG discussed herein.

Intended Use of Data Under Review

NYSDEC contracted GES to perform an off-site monitoring event at the referenced site. The monitoring event's (September 2020) purpose was to collect soil, surface water, and drinking water data regarding two classes of analytes: volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

Significant Data Usability Issues

RemVer rejected no results and the data are acceptable for use. Certain results may have flagged analytes indicating non-detection or quality issues arising from sample handling, laboratory accuracy, or precision issues. Please refer to the individual SDG report and the respective Data Usability Narrative section of the DUSR sub-report for further detail.

Reported Methods

- | | |
|--|---|
| <input type="checkbox"/> Method 1311 TCLP
<input type="checkbox"/> Method 1312 SPLP
<input type="checkbox"/> Method 6010A, B & C / 6020 Trace Metals
<input type="checkbox"/> Method 7000 Metals
<input type="checkbox"/> Method 7196 Hexavalent Chromium (other: _____)
<input type="checkbox"/> Method 7470A or 7471 Mercury
<input type="checkbox"/> Method 8021 Volatile Organic Compounds (VOCs) GC
<input type="checkbox"/> Method 8081B or <input type="checkbox"/> 608 Pesticides
<input type="checkbox"/> Method 8082 or <input type="checkbox"/> 608 PCBs
<input type="checkbox"/> Method 8151 Chlorinated Herbicides
<input checked="" type="checkbox"/> Method 8260C VOCs GC/MS
<input checked="" type="checkbox"/> Method 8270D Semi-VOCs (sVOCs) GC/MS &/or SIM-ID
<input type="checkbox"/> Method 9010/9012/9014 Cyanides (_____) | <input type="checkbox"/> Method TO-13A PAHs (air)
<input type="checkbox"/> Method TO-14A / -15 VOCs (air, summa) (_____) <input type="checkbox"/> Method TO-17 VOCs (air, sorbent)
<input type="checkbox"/> Method 537 PFCs via SPE & LC/MS-MS
<input type="checkbox"/> Volatile Petroleum Hydrocarbons (VPH) Method
<input type="checkbox"/> Extractable Petroleum Hydrocarbons (EPH)
<input checked="" type="checkbox"/> Other Methods:
<input checked="" type="checkbox"/> Method 5030 Purge & Trap
<input checked="" type="checkbox"/> Method 5030A_H Purge & Trap, closed, Hi
<input checked="" type="checkbox"/> Method 5030A_L Purge & Trap, closed, Lo
<input checked="" type="checkbox"/> Method 3550C Ultrasonic Extraction
<input checked="" type="checkbox"/> Method Percent Moisture |
|--|---|

Quality Control Requirements Summary

- | | |
|--|--|
| <input checked="" type="checkbox"/> Duplicate
<input checked="" type="checkbox"/> Matrix Spike [MS] / Matrix Spike Duplicate [MSD]
<input type="checkbox"/> Trip Blanks (as appropriate)
<input type="checkbox"/> Equipment, Method, &/or Rinsate Blank | <input checked="" type="checkbox"/> Other Field QC: Field notes regarding sampling
<input type="checkbox"/> Special QAPP Requirements: _____
_____ |
|--|--|

Table 1. Sample Data Group (SDG) List

SDG 480-#	# Samples	# Blanks	# Dups	Sample Date	Methods		Matrix
					VOCs	SVOCs	
175104	4	—	—	09/14/2020	X	X	Soil & Surface Water
175253	3	—	—	09/15-16/2020	X	X	Soil
175318	1	—	—	09/17/2020	X	—	Drinking Water
175394	3	—	—	09/17/2020	X	X	Soil

Table 2. Sample List

Count	SDG480-#	Sample #	Sample Name	Sample Date	Received
1	175104	#-1	RI-MW-5-R-A	09/14/20 14:00	09/14/20 15:50
2		#-2	RI-MW-5-R-B	09/14/20 14:20	09/14/20 15:50
3		#-3	RI-MW-3	09/14/20 13:00	09/14/20 15:50
4		#-4	31-SW-1	09/14/20 12:05	09/14/20 15:50
5	175253	#-1	1675-MW-1	09/15/20 12:25	09/16/20 17:00
6		#-2	1660-SB-1	09/16/20 13:00	09/16/20 17:00
7		#-3	1660-MW-8	09/16/20 14:45	09/16/20 17:00
8	175318	#-1	DW-1	09/17/20 08:30	09/17/20 16:30
9	175394	#-1	SB-100	09/17/20 09:35	09/17/20 15:15
10		#-2	SB-103	09/17/20 11:15	09/17/20 15:15
11		#-3	SB-106	09/17/20 13:00	09/17/20 15:15

NOTE: EB = Equipment Blank Dup = Duplicate

References

- NYSDEC, 2010, *Technical Guidance for Site Investigation and Remediation*, "DER-10," Division of Environmental Remediation: Albany, NY, May, 232p
- NYSDEC, 2010, *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, Appendix 2B IN *Technical Guidance for Site Investigation and Remediation*, Division of Environmental Remediation: Albany, NY, May, 232p
- USEPA, 2008, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, OSWER 9240.1-48, USEPA-540-R-08-01, Office of Superfund Remediation and Technology Innovation: Washington, DC, June, 225p
- USEPA, 2010, *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, OSWER 9240.1-51, USEPA-540-R-10-011, Office of Superfund Remediation and Technology Innovation: Washington, DC, January, 110p
- USEPA, 2012, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Current Online Revision: <http://www.epa.gov/epawaste/hazard/testmethods/sw846/online/index.htm>, accessed April 2012

Attachments

1. Qualifier Flags
2. Data Usability Reviewer Biography
3. DUSR Sub-Report for SDG #480-175104
4. DUSR Sub-Report for SDG #480-175253
5. DUSR Sub-Report for SDG #480-175318
6. DUSR Sub-Report for SDG #480-175394

NOTE: If Client requests, each DUSR Sub-Report includes validated EDD attached hereto (Excel File Name Format: SDG-#_EquaNysdec-V.xls)



Prepared by: Kurt A. Frantzen, PhD
November 10, 2020

GES PO #1113284-1100

Attachment 1. Qualifier Flags

Qualifier	Quality Implication
0–9	Use with Co-eluting Congeners
A	Tentatively Identified Compound (TIC) suspected to be an aldol condensation product
B EB TB BB RB BH/BL	An analyte identified in method blank (B), aqueous equipment (EB), rinsate (RB), trip (TB), or bottle blanks (BB) used to assess field contamination associated with soil or sediment samples mandates these qualifiers for only soil and sediment sample results. Analyte detected in Blank at level >10X/5-10X that of the Sample
D	Sample analysis from dilution of original sample
E	Analyte concentration exceeds calibration range
HT	Holding time violation
J	Analyte positively identified at a numerical value that is the approximate concentration of the analyte in the sample
J +	Sample likely to have a high bias
J –	Sample likely to have a low bias
UJ	Analyte not detected above the sample quantitation limit; the associated 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
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
R	Sample result rejected due to serious deficiency in ability to analyze sample and meet quality control criteria; the presence or absence of the analyte cannot be confirmed. This qualifier also may apply when more than one sample result is generated for a target analyte (<i>i.e.</i> , dilutions or re-analyses), the most technically acceptable result is considered acceptable.
P	Use professional judgment based on data use. It usually has an “M” with it, which indicates that a manual check should be made if the data that are qualified with the “P” are important to the data user. In addition, “PM” also means a decision is necessary from the Project Manager (or a delegate) concerning the need for further review of the data (<i>see below</i>).
PM	A manual review of the raw data is recommended to determine if the defect affects data use, as in “R” above. This review should include consideration of potential affects that could result from using the “P” qualified data. For example, in the case of holding-time exceedance, the Project Manager or delegate can decide to use the data with no qualification when analytes of interest are known not to be adversely affected by holding-time exceedances. Another example is the case where soil sample duplicate analyses for metals exceed the precision criteria; because this is likely due to sample non-homogeneity rather than contract laboratory error, then the manager or delegate must decide how to use the data.
U	Analyte analyzed for, but not detected above the sample’s reported quantitation limit

Attachment 2. Data Usability Reviewer: Kurt A. Frantzen, PhD

Experience

2013-Present	d/b/a RemVër	Owner
2014-2019	AECC	Senior EHS Consultant
2011-2012	RemVër, Inc.	President
2006-2011	Kleinfelder	Senior Principal Scientist
2005	Kleinfelder	Principal Scientist, Part-Time/On Call
2004-2006	d/b/a Environmental Risk Group	Owner
2004-2006	RemVër, Inc., Larchmont, NY	Founder, President
1999-2004	VHB, Inc.	ERM Director & Associate
1997-1998	GEI Consultants, Inc.	Senior Project Manager
1992-1997	Ecology and Environment, Inc.	Technical Chief
1991-1992	EA Engineering, Science, & Technology, Inc.	Project Manager III
1990-1991	Ecology and Environment, Inc.	Technical Group Manager
1986-1990	Ecology and Environment, Inc.	Senior Environmental Scientist

Education

Am Cancer Soc. Post-Doctoral Fellow, U Washington	1985-1986
PhD—Life Sci. / Biochem, NU—Lincoln	1985
MS—Plant Pathology, Kansas State Univ.	1980
BS—Biology, NU—Omaha	1978

Other

- CERCLA & RCRA experience, as well as DOD (Air Force & Army) & DOE (INEL)
- NE Regional Experience—NY BCP; Mass MCP; & various sites in CT, RI & NH
- National Experience: NE, SE, Gulf & West Coast, Mid-west, Inter-mountain, California, Alaska
- International: Germany, Israel, Kuwait, Australia
- Selected Publications
 - *Using Risk Appraisals to Manage Environmentally Impaired Properties*, 2000, VHB Site Works, Report 108
 - *Risk-Based Analysis for Environmental Managers*, 2001, CRC/Lewis
 - Chapter 7 Risk Assessment, *Managing Hazardous Materials*, 2002 & 2009, IHMM
 - Chapter 22 Cleanup Goals, *Brownfields Law & Practice*, 2004-Present, Lexis/Nexis
 - *Use of Risk Assessment in Risk Management of Contaminated Sites*, 2008, ITRC
- 60 Conference Papers & Invited Professional Presentations
 - 1999-2019, Visiting Lecturer, Brownfields Program, Harvard Graduate School of Design
 - 2010-2013, Invited Lecturer, Pace University Law School
 - 2014-2015, Adjunct Professor, Pace University Law School

Attachment 3. Data Usability Sub-Report for SDG #480-175104

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175104)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175104	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175104	Y	Y	None
	N	N	#-4 collected in unpreserved vial & analyzed beyond hold time limits

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175104	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175104	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175104	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175104	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175104	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 14, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175104 (dated 25-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175104—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/14/2020 @ 15:50 PM (designated as SDG-#480-175104). The temperature of the cooler(s) at receipt were 3.1°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with one exception:

- The surface water sample (#-4) was collected in an unpreserved vial (sample pH 7.0 s.u.) and analyzed using methods for a preserved sample. The analysis was beyond the 7-day hold time limit for an unpreserved sample but within the 14-day limit for a preserved sample. Therefore, RemVēr set a “H” flag for all VOCs in this sample, and these results received flagging as estimates (either UJ or J, as appropriate).

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis, other than Sample #-1 was decanted (removal of soil-water) prior to preparation (ultrasonic extraction). RemVēr set no flag.

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than:

- The surface water sample (#-4) was collected in an unpreserved vial (sample pH was 7.0) and analyzed using methods for a preserved sample. The analysis was beyond the 7-day hold time limit for an unpreserved sample but within the 14-day limit for a preserved sample. Therefore, RemVēr set a “H” flag for all VOCs in this sample, and these results received flagging as estimates (either UJ or J, as appropriate).

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.
- If an analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVēr set a “JE” flag to indicate an estimated detection.
- Method 8260C—If VOC analyte concentrations were below 200 µg/kg the laboratory set a “vs” flag because the result may be biased low due to sample collection not following Method 5035A-L low-level specifications. Therefore, RemVēr set a UJ- or J- flag, as appropriate.
- Method 8260C—Samples #-1 and #-2 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in these samples.
- Method 8270D—Sample #-1 was diluted due to color, appearance, and viscosity. The lab reported elevated limits (RLs). RemVēr set a “D” flag.
- Method 8270D—Sample #-2 was diluted to bring the target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted above. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8270D—Batch 549994 recovery was beyond control limits (in both straight and diluted runs) for 2,4,6-Tribromophenol (surrogate) but impacted only Sample #-1. RemVēr flagged the SVOC results in as UJ or J, as appropriate.

Blank Evaluation

SDG #480-175104 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits) with no exception(s).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175104.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria.

- Method 8270D: Sample #-1 required a dilution due to physical characteristics, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

There were no matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175104. QA/QC decisions were based upon the LCS results.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175104

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	All Others	No Comment
#-1	X	—	X	2,4,6-Tribromophenol	Flag UJ or J
	X	—	—	2-Fluorophenol, Nitrobenzene-d5, & Phenol-d5	Flag UJ or J

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	Not Run, See LCS
SVOC (8270)	—	—	—	—	—	Not Run, See LCS

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	—	—	—	None
		—	—	—	None

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved	<input type="checkbox"/> Y	<input type="checkbox"/> N—N/A	Significant QC Variances	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Requested Reporting Limits Achieved	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Preservation Require. Met	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Holding Time Requirements Met	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N			

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175104

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Any	Calibration (E)	>Range, Flag if >RL			Flag JE
	Any VOC	Lab vs-flag due to non-Low-Level Sampling	—	—	Lo	Flag UJ— or J—
#-4	All	Holding & Preservation	Out of compliance			Flag H UJ or H J
#-1 & -2	VOCs	Dilution	—	—	—	Flag D
#-1 & -2	SVOCs	Dilution	—	—	—	Flag D
#-1	SVOC	CCV	<LCL / >UCL	—	—	Flag UJ or J
#-1	SVOC	Surrogate / Dilution	<LCL / >UCL	>	—	Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 4. Data Usability Sub-Report for SDG #480-175253

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175253)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175253	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175253	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175253	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175253	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175253	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175253	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175253	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 15 – September 16, 2016. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175253 (dated 30-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175253—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/16/2020 @ 17:00 PM (designated as SDG-#480-175253). The temperature of the cooler(s) at receipt were 4.7°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis.

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than what is discussed below.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the RL, then then a “UJ” flag was set to indicate a qualified non-detection.
- If an SVOC analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVër set a “JE” flag to indicate an estimated detection.
- Method 8260C—Samples #-1, -2, and -3 were analyzed using medium level soil analysis and diluted due to the abundance of target analytes. The lab reported elevated limits (RLs). RemVër set a “D” flag for all VOCs in the sample.
- Method 8270D—Samples #-2 and #-3 were diluted due to color and appearance and to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs) and forced surrogate recoveries below their calibration range. RemVër set a “D” flag.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted below. CCVs were acceptable in the SDG for all methods and analytes.

Blank Evaluation

SDG #480-175253 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175253.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria.

- Method 8270D: Samples #-2 and -3 required dilution due to physical characteristics and target analyte abundance, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

The matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175253 were within normal control limits.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175253

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	All	No Comment
SVOC (8270)	—	—	—	All	No Comment
#-2 & #-3	X	X	—	Various Surrogates	Flag UJ or J

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
SVOC (8270)	—	—	—	#-1	—	No Comment
—	—	—	—	—	—	—

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved	<input type="checkbox"/> Y	<input type="checkbox"/> N—N/A	Significant QC Variances	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Requested Reporting Limits Achieved	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Preservation Require. Met	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Holding Time Requirements Met	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175253

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	SVOCs	Calibration (E)	>Range, Flag if >RL			Flag JE
	VOCs	Dilution	—			Flag D
#-2 & -3	SVOCs	Dilution	—			Flag D
#-2 & 3	SVOCs	Surrogates	<LCL	—	—	Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 5. Data Usability Sub-Report for SDG #480-175318

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175318)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175318	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175318	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175318	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175318	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175318	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175318	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175318	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 17, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175318 (dated 29-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175318—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/17/2020 @ 16:30 PM (designated as SDG-#480-175318). The temperature of the cooler(s) at receipt were 3.9°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for VOCs.

Analysis

The laboratory reported no analytical issues associated with the analytical runs.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted above. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8260C—Batch 550761 CCV recovery was above the upper control limit (>UCL) for Cyclohexane in all samples but was not detected. RemVēr flagged the results in all samples as UJ+ or J+, as appropriate.

Blank Evaluation

SDG #480-175318 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175318.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria. Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

The matrix spike/matrix spike duplicate (MS/MSD) runs for all analyses met the QA criteria in SDG 480-175318.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175318

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
—	—	—	—

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
—	—	—	—	—	—

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
—	—	—	—	—	—

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
—	—	—	—	—	—	—

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved ☐ Y ☐ N—N/A Significant QC Variances ☒ Y ☐ N
 Requested Reporting Limits Achieved ☒ Y ☐ N Preservation Require. Met ☒ Y ☐ N
 Holding Time Requirements Met ☒ Y ☐ N

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175318

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Cyclohexane	CCV	>UCL	—	Hi	Flag UJ+ or J+
	—	—	—	—	—	—
—	—	—	—	—	—	—

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 6. Data Usability Sub-Report for SDG #480-175394

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175394)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175394	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175394	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175394	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175394	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175394	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175394	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175394	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 17, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175394 (dated 30-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175394—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received coolers with samples on 9/17/2020 @ 15:15 PM (designated as SDG-#480-175394). The temperature of the cooler(s) at receipt were 3.0 and 3.2°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis, other than Sample #-1 which had a sample volume different from the standard procedure for preparation (ultrasonic extraction). This had an impact to reporting limits (RLs).

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than what is discussed below.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

RemVēr

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.
- If an analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVēr set a “JE” flag to indicate an estimated detection.
- Method 8260C—Samples #-1, #-2, and #-3 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in these samples.
- Method 8260C—Sample #-3 was analyzed using medium level soil analysis and diluted due to the abundance of non-target analytes. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in the sample.
- Method 8270D—Samples #-1, #-2, and #-3 was diluted due to color, appearance, and viscosity. The lab reported elevated limits (RLs). RemVēr set a “D” flag.
- Method 8270D—Samples #-1 and #-2 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs) and also forced surrogate recoveries below their calibration range. RemVēr set a “D” flag for all VOCs in these samples.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted below. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8260C—Batch 550866 CCV recovery was beyond control limits (<LCL or >UCL) for 4-Nitrophenol in all samples but was not detected. RemVēr flagged the results in all samples as UJ, as appropriate.

Blank Evaluation

SDG #480-175394 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits) with the following exception(s):

- Method 8260—analyte Methylene Chloride was detected in the MB (Batch #550876 / 551207) above the RDL and was flagged as a “B J” result in sample’s with detections as a method blank detection. While it appears to only impact Sample #-3, sample non-detections were flagged as “UJ B.”

Laboratory Control Samples (LCS)

The various method LCS’ (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175394 with the following exception(s):

- Method 8260—Batch 551207 spike recover for Methylene Chloride was beyond the upper control limit (>UCL) with high bias due to laboratory contamination. RemVēr set either a UJ+ or J+ flag, as appropriate in all samples.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria, except for:

- Method 8270D: Samples #-1 and -3 required dilution due to physical characteristics, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.
- Method 8270D: Samples #-1 and -2 required dilution due to target analyte abundance impacting RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

There were no matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175394. QA/QC decisions were based upon the LCS results.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175394

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
All Samples	X	Methylene Chloride	Flag BJ or UJ B
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
All	—	—	X	Methylene Chloride	Flag UJ+ / J+
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	X	X	—	Various Surrogates	Flag UJ or J
—	—	—	—	—	—

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
SVOC (8270)	—	—	—	—	—	None

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved ☐ Y ☐ N—N/A Significant QC Variances ☒ Y ☐ N
 Requested Reporting Limits Achieved ☒ Y ☐ N Preservation Require. Met ☒ Y ☐ N
 Holding Time Requirements Met ☒ Y ☐ N

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175394

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Any	Calibration (E)	>Range, Flag if >RL			Flag JE
	4-Nitrophenol	CCV	<LCL / >UCL	—	Hi/Lo	Flag UJ or J
	VOC & SVOC	Dilution	—			Flag D
	Methylene Chloride	LCS	>UCL	—	HI	Flag UJ+ or J+
	Methylene Chloride	Blank	—	—	—	Flag BJ or UJ B
	SVOCs	Surrogates	<LCL	—	—	Flag UJ or J
#1	VOVs & SVOCs	Sample Volume	RLs impacted			Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

DRILLING WATER

Quality Assessment Data Usability Summary Report

RemVēr Project #2020GE39 Client Project #0901816-02-840			
Site:	31 Tonawanda St., Off-site Buffalo, NY	Site #:	C915299A
Client:	NYSDEC via GES, Inc.	Site Owner:	-N/A-
Sample Delivery Groups (SDGs)		See Table #1	
Sample Matrix:	<input checked="" type="checkbox"/> Drinking water	<input checked="" type="checkbox"/> Groundwater	<input checked="" type="checkbox"/> Surface water
	<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Sediment	<input type="checkbox"/> Air
	<input type="checkbox"/> Biota (tissue, type: _____)		<input type="checkbox"/> Other: _____

Introduction

Groundwater & Environmental Services (GES) contracted RemVēr to perform a data quality assessment (DQA) on analytical laboratory data of groundwater samples. Eurofins/Test America (E/TA) reported the data in separate Sample Delivery Groups (SDGs, see Table 1). Table 2 provides a cross-list of the samples associated with each SDG.

A DQA is an evaluation of the performance of analytical procedures and quality of the resulting data. Following the requirements of the New York State Department of Environmental Conservation (NYSDEC) Data Usability Summary Report (DUSR) guidelines for an Analytical Services Protocol (ASP) Category B Data Deliverable, RemVēr prepared a separate DQA/DUSR sub-report for each SDG, evaluating the performance of the analytical procedures and the quality of the resulting data. Each sub-report includes a narrative discussion of qualified sample, a DQA Detail Worksheet, and a Non-Conformance Summary Worksheet describing the final reported qualification flags applied to the data during the DQA. Additionally, one validated EXCEL electronic data deliverable (EDD) is included with this deliverable for each SDG discussed herein.

Intended Use of Data Under Review

NYSDEC contracted GES to perform an off-site monitoring event at the referenced site. The monitoring event's (September 2020) purpose was to collect soil, surface water, and drinking water data regarding two classes of analytes: volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

Significant Data Usability Issues

RemVer rejected no results and the data are acceptable for use. Certain results may have flagged analytes indicating non-detection or quality issues arising from sample handling, laboratory accuracy, or precision issues. Please refer to the individual SDG report and the respective Data Usability Narrative section of the DUSR sub-report for further detail.

Reported Methods

- | | |
|--|---|
| <input type="checkbox"/> Method 1311 TCLP
<input type="checkbox"/> Method 1312 SPLP
<input type="checkbox"/> Method 6010A, B & C / 6020 Trace Metals
<input type="checkbox"/> Method 7000 Metals
<input type="checkbox"/> Method 7196 Hexavalent Chromium (other: _____)
<input type="checkbox"/> Method 7470A or 7471 Mercury
<input type="checkbox"/> Method 8021 Volatile Organic Compounds (VOCs) GC
<input type="checkbox"/> Method 8081B or <input type="checkbox"/> 608 Pesticides
<input type="checkbox"/> Method 8082 or <input type="checkbox"/> 608 PCBs
<input type="checkbox"/> Method 8151 Chlorinated Herbicides
<input checked="" type="checkbox"/> Method 8260C VOCs GC/MS
<input checked="" type="checkbox"/> Method 8270D Semi-VOCs (sVOCs) GC/MS &/or SIM-ID
<input type="checkbox"/> Method 9010/9012/9014 Cyanides (_____) | <input type="checkbox"/> Method TO-13A PAHs (air)
<input type="checkbox"/> Method TO-14A / -15 VOCs (air, summa) (_____) <input type="checkbox"/> Method TO-17 VOCs (air, sorbent)
<input type="checkbox"/> Method 537 PFCs via SPE & LC/MS-MS
<input type="checkbox"/> Volatile Petroleum Hydrocarbons (VPH) Method
<input type="checkbox"/> Extractable Petroleum Hydrocarbons (EPH)
<input checked="" type="checkbox"/> Other Methods:
<input checked="" type="checkbox"/> Method 5030 Purge & Trap
<input checked="" type="checkbox"/> Method 5030A_H Purge & Trap, closed, Hi
<input checked="" type="checkbox"/> Method 5030A_L Purge & Trap, closed, Lo
<input checked="" type="checkbox"/> Method 3550C Ultrasonic Extraction
<input checked="" type="checkbox"/> Method Percent Moisture |
|--|---|

Quality Control Requirements Summary

- | | |
|--|--|
| <input checked="" type="checkbox"/> Duplicate
<input checked="" type="checkbox"/> Matrix Spike [MS] / Matrix Spike Duplicate [MSD]
<input type="checkbox"/> Trip Blanks (as appropriate)
<input type="checkbox"/> Equipment, Method, &/or Rinsate Blank | <input checked="" type="checkbox"/> Other Field QC: Field notes regarding sampling
<input type="checkbox"/> Special QAPP Requirements: _____
_____ |
|--|--|

Table 1. Sample Data Group (SDG) List

SDG 480-#	# Samples	# Blanks	# Dups	Sample Date	Methods		Matrix
					VOCs	SVOCs	
175104	4	—	—	09/14/2020	X	X	Soil & Surface Water
175253	3	—	—	09/15-16/2020	X	X	Soil
175318	1	—	—	09/17/2020	X	—	Drinking Water
175394	3	—	—	09/17/2020	X	X	Soil

Table 2. Sample List

Count	SDG480-#	Sample #	Sample Name	Sample Date	Received
1	175104	#-1	RI-MW-5-R-A	09/14/20 14:00	09/14/20 15:50
2		#-2	RI-MW-5-R-B	09/14/20 14:20	09/14/20 15:50
3		#-3	RI-MW-3	09/14/20 13:00	09/14/20 15:50
4		#-4	31-SW-1	09/14/20 12:05	09/14/20 15:50
5	175253	#-1	1675-MW-1	09/15/20 12:25	09/16/20 17:00
6		#-2	1660-SB-1	09/16/20 13:00	09/16/20 17:00
7		#-3	1660-MW-8	09/16/20 14:45	09/16/20 17:00
8	175318	#-1	DW-1	09/17/20 08:30	09/17/20 16:30
9	175394	#-1	SB-100	09/17/20 09:35	09/17/20 15:15
10		#-2	SB-103	09/17/20 11:15	09/17/20 15:15
11		#-3	SB-106	09/17/20 13:00	09/17/20 15:15

NOTE: EB = Equipment Blank Dup = Duplicate

References

- NYSDEC, 2010, *Technical Guidance for Site Investigation and Remediation*, "DER-10," Division of Environmental Remediation: Albany, NY, May, 232p
- NYSDEC, 2010, *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, Appendix 2B IN *Technical Guidance for Site Investigation and Remediation*, Division of Environmental Remediation: Albany, NY, May, 232p
- USEPA, 2008, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, OSWER 9240.1-48, USEPA-540-R-08-01, Office of Superfund Remediation and Technology Innovation: Washington, DC, June, 225p
- USEPA, 2010, *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, OSWER 9240.1-51, USEPA-540-R-10-011, Office of Superfund Remediation and Technology Innovation: Washington, DC, January, 110p
- USEPA, 2012, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Current Online Revision: <http://www.epa.gov/epawaste/hazard/testmethods/sw846/online/index.htm>, accessed April 2012

Attachments

1. Qualifier Flags
2. Data Usability Reviewer Biography
3. DUSR Sub-Report for SDG #480-175104
4. DUSR Sub-Report for SDG #480-175253
5. DUSR Sub-Report for SDG #480-175318
6. DUSR Sub-Report for SDG #480-175394

NOTE: If Client requests, each DUSR Sub-Report includes validated EDD attached hereto (Excel File Name Format: SDG-#_EquaNysdec-V.xls)



Prepared by: Kurt A. Frantzen, PhD
November 10, 2020

GES PO #1113284-1100

Attachment 1. Qualifier Flags

Qualifier	Quality Implication
0–9	Use with Co-eluting Congeners
A	Tentatively Identified Compound (TIC) suspected to be an aldol condensation product
B EB TB BB RB BH/BL	An analyte identified in method blank (B), aqueous equipment (EB), rinsate (RB), trip (TB), or bottle blanks (BB) used to assess field contamination associated with soil or sediment samples mandates these qualifiers for only soil and sediment sample results. Analyte detected in Blank at level >10X/5-10X that of the Sample
D	Sample analysis from dilution of original sample
E	Analyte concentration exceeds calibration range
HT	Holding time violation
J	Analyte positively identified at a numerical value that is the approximate concentration of the analyte in the sample
J +	Sample likely to have a high bias
J –	Sample likely to have a low bias
UJ	Analyte not detected above the sample quantitation limit; the associated 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
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
R	Sample result rejected due to serious deficiency in ability to analyze sample and meet quality control criteria; the presence or absence of the analyte cannot be confirmed. This qualifier also may apply when more than one sample result is generated for a target analyte (<i>i.e.</i> , dilutions or re-analyses), the most technically acceptable result is considered acceptable.
P	Use professional judgment based on data use. It usually has an “M” with it, which indicates that a manual check should be made if the data that are qualified with the “P” are important to the data user. In addition, “PM” also means a decision is necessary from the Project Manager (or a delegate) concerning the need for further review of the data (<i>see below</i>).
PM	A manual review of the raw data is recommended to determine if the defect affects data use, as in “R” above. This review should include consideration of potential affects that could result from using the “P” qualified data. For example, in the case of holding-time exceedance, the Project Manager or delegate can decide to use the data with no qualification when analytes of interest are known not to be adversely affected by holding-time exceedances. Another example is the case where soil sample duplicate analyses for metals exceed the precision criteria; because this is likely due to sample non-homogeneity rather than contract laboratory error, then the manager or delegate must decide how to use the data.
U	Analyte analyzed for, but not detected above the sample’s reported quantitation limit

Attachment 2. Data Usability Reviewer: Kurt A. Frantzen, PhD

Experience

2013-Present	d/b/a RemVër	Owner
2014-2019	AECC	Senior EHS Consultant
2011-2012	RemVër, Inc.	President
2006-2011	Kleinfelder	Senior Principal Scientist
2005	Kleinfelder	Principal Scientist, Part-Time/On Call
2004-2006	d/b/a Environmental Risk Group	Owner
2004-2006	RemVër, Inc., Larchmont, NY	Founder, President
1999-2004	VHB, Inc.	ERM Director & Associate
1997-1998	GEI Consultants, Inc.	Senior Project Manager
1992-1997	Ecology and Environment, Inc.	Technical Chief
1991-1992	EA Engineering, Science, & Technology, Inc.	Project Manager III
1990-1991	Ecology and Environment, Inc.	Technical Group Manager
1986-1990	Ecology and Environment, Inc.	Senior Environmental Scientist

Education

Am Cancer Soc. Post-Doctoral Fellow, U Washington	1985-1986
PhD—Life Sci. / Biochem, NU—Lincoln	1985
MS—Plant Pathology, Kansas State Univ.	1980
BS—Biology, NU—Omaha	1978

Other

- CERCLA & RCRA experience, as well as DOD (Air Force & Army) & DOE (INEL)
- NE Regional Experience—NY BCP; Mass MCP; & various sites in CT, RI & NH
- National Experience: NE, SE, Gulf & West Coast, Mid-west, Inter-mountain, California, Alaska
- International: Germany, Israel, Kuwait, Australia
- Selected Publications
 - *Using Risk Appraisals to Manage Environmentally Impaired Properties*, 2000, VHB Site Works, Report 108
 - *Risk-Based Analysis for Environmental Managers*, 2001, CRC/Lewis
 - Chapter 7 Risk Assessment, *Managing Hazardous Materials*, 2002 & 2009, IHMM
 - Chapter 22 Cleanup Goals, *Brownfields Law & Practice*, 2004-Present, Lexis/Nexis
 - *Use of Risk Assessment in Risk Management of Contaminated Sites*, 2008, ITRC
- 60 Conference Papers & Invited Professional Presentations
 - 1999-2019, Visiting Lecturer, Brownfields Program, Harvard Graduate School of Design
 - 2010-2013, Invited Lecturer, Pace University Law School
 - 2014-2015, Adjunct Professor, Pace University Law School

Attachment 3. Data Usability Sub-Report for SDG #480-175104

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175104)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175104	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175104	Y	Y	None
	N	N	#-4 collected in unpreserved vial & analyzed beyond hold time limits

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175104	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175104	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175104	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175104	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175104	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 14, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175104 (dated 25-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175104—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/14/2020 @ 15:50 PM (designated as SDG-#480-175104). The temperature of the cooler(s) at receipt were 3.1°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with one exception:

- The surface water sample (#-4) was collected in an unpreserved vial (sample pH 7.0 s.u.) and analyzed using methods for a preserved sample. The analysis was beyond the 7-day hold time limit for an unpreserved sample but within the 14-day limit for a preserved sample. Therefore, RemVēr set a “H” flag for all VOCs in this sample, and these results received flagging as estimates (either UJ or J, as appropriate).

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis, other than Sample #-1 was decanted (removal of soil-water) prior to preparation (ultrasonic extraction). RemVēr set no flag.

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than:

- The surface water sample (#-4) was collected in an unpreserved vial (sample pH was 7.0) and analyzed using methods for a preserved sample. The analysis was beyond the 7-day hold time limit for an unpreserved sample but within the 14-day limit for a preserved sample. Therefore, RemVēr set a “H” flag for all VOCs in this sample, and these results received flagging as estimates (either UJ or J, as appropriate).

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.
- If an analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVēr set a “JE” flag to indicate an estimated detection.
- Method 8260C—If VOC analyte concentrations were below 200 µg/kg the laboratory set a “vs” flag because the result may be biased low due to sample collection not following Method 5035A-L low-level specifications. Therefore, RemVēr set a UJ- or J- flag, as appropriate.
- Method 8260C—Samples #-1 and #-2 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in these samples.
- Method 8270D—Sample #-1 was diluted due to color, appearance, and viscosity. The lab reported elevated limits (RLs). RemVēr set a “D” flag.
- Method 8270D—Sample #-2 was diluted to bring the target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted above. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8270D—Batch 549994 recovery was beyond control limits (in both straight and diluted runs) for 2,4,6-Tribromophenol (surrogate) but impacted only Sample #-1. RemVēr flagged the SVOC results in as UJ or J, as appropriate.

Blank Evaluation

SDG #480-175104 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits) with no exception(s).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175104.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria.

- Method 8270D: Sample #-1 required a dilution due to physical characteristics, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

There were no matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175104. QA/QC decisions were based upon the LCS results.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175104

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	All Others	No Comment
#-1	X	—	X	2,4,6-Tribromophenol	Flag UJ or J
	X	—	—	2-Fluorophenol, Nitrobenzene-d5, & Phenol-d5	Flag UJ or J

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	Not Run, See LCS
SVOC (8270)	—	—	—	—	—	Not Run, See LCS

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	—	—	—	None
		—	—	—	None

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved	<input type="checkbox"/> Y	<input type="checkbox"/> N—N/A	Significant QC Variances	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Requested Reporting Limits Achieved	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Preservation Require. Met	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Holding Time Requirements Met	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N			

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175104

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Any	Calibration (E)	>Range, Flag if >RL			Flag JE
	Any VOC	Lab vs-flag due to non-Low-Level Sampling	—	—	Lo	Flag UJ— or J—
#-4	All	Holding & Preservation	Out of compliance			Flag H UJ or H J
#-1 & -2	VOCs	Dilution	—	—	—	Flag D
#-1 & -2	SVOCs	Dilution	—	—	—	Flag D
#-1	SVOC	CCV	<LCL / >UCL	—	—	Flag UJ or J
#-1	SVOC	Surrogate / Dilution	<LCL / >UCL	>	—	Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 4. Data Usability Sub-Report for SDG #480-175253

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175253)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175253	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175253	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175253	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175253	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175253	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175253	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175253	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 15 – September 16, 2016. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175253 (dated 30-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175253—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/16/2020 @ 17:00 PM (designated as SDG-#480-175253). The temperature of the cooler(s) at receipt were 4.7°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis.

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than what is discussed below.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the RL, then then a “UJ” flag was set to indicate a qualified non-detection.
- If an SVOC analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVër set a “JE” flag to indicate an estimated detection.
- Method 8260C—Samples #-1, -2, and -3 were analyzed using medium level soil analysis and diluted due to the abundance of target analytes. The lab reported elevated limits (RLs). RemVër set a “D” flag for all VOCs in the sample.
- Method 8270D—Samples #-2 and #-3 were diluted due to color and appearance and to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs) and forced surrogate recoveries below their calibration range. RemVër set a “D” flag.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted below. CCVs were acceptable in the SDG for all methods and analytes.

Blank Evaluation

SDG #480-175253 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175253.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria.

- Method 8270D: Samples #-2 and -3 required dilution due to physical characteristics and target analyte abundance, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

The matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175253 were within normal control limits.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175253

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	All	No Comment
SVOC (8270)	—	—	—	All	No Comment
#-2 & #-3	X	X	—	Various Surrogates	Flag UJ or J

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
SVOC (8270)	—	—	—	#-1	—	No Comment
—	—	—	—	—	—	—

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved	<input type="checkbox"/> Y	<input type="checkbox"/> N—N/A	Significant QC Variances	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Requested Reporting Limits Achieved	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Preservation Require. Met	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Holding Time Requirements Met	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175253

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	SVOCs	Calibration (E)	>Range, Flag if >RL			Flag JE
	VOCs	Dilution	—			Flag D
#-2 & -3	SVOCs	Dilution	—			Flag D
#-2 & 3	SVOCs	Surrogates	<LCL	—	—	Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 5. Data Usability Sub-Report for SDG #480-175318

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175318)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175318	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175318	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175318	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175318	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175318	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175318	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175318	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 17, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175318 (dated 29-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175318—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 9/17/2020 @ 16:30 PM (designated as SDG-#480-175318). The temperature of the cooler(s) at receipt were 3.9°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for VOCs.

Analysis

The laboratory reported no analytical issues associated with the analytical runs.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted above. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8260C—Batch 550761 CCV recovery was above the upper control limit (>UCL) for Cyclohexane in all samples but was not detected. RemVēr flagged the results in all samples as UJ+ or J+, as appropriate.

Blank Evaluation

SDG #480-175318 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits).

Laboratory Control Samples (LCS)

The various method LCS' (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175318.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria. Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

The matrix spike/matrix spike duplicate (MS/MSD) runs for all analyses met the QA criteria in SDG 480-175318.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175318

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
—	—	—	—

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
—	—	—	—	—	—

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
—	—	—	—	—	—

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
—	—	—	—	—	—	—

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved ☐ Y ☐ N—N/A Significant QC Variances ☒ Y ☐ N
 Requested Reporting Limits Achieved ☒ Y ☐ N Preservation Require. Met ☒ Y ☐ N
 Holding Time Requirements Met ☒ Y ☐ N

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175318

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Cyclohexane	CCV	>UCL	—	Hi	Flag UJ+ or J+
	—	—	—	—	—	—
—	—	—	—	—	—	—

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

Attachment 6. Data Usability Sub-Report for SDG #480-175394

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Field meteorological data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Associated sampling location and plan included	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See RAP/QAPP
Associated drilling logs available, reviewed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Identification of QC samples in notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample IDs
Sampling instrument decontamination records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Sampling instrument calibration logs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No review required under QAPP
Chain of custody included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	With analytical report
Notes include communication logs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrective action (CA) reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Any electronic data deliverables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Sampling Report (by Field Team Leader)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Notes

Lab Report Contents (Test America SDG Reports: #480-175394)

<input checked="" type="checkbox"/> SDG Narrative	<input checked="" type="checkbox"/> Spike recoveries
<input checked="" type="checkbox"/> Contract Lab Sample Information Sheets	<input checked="" type="checkbox"/> Duplicate results
<input checked="" type="checkbox"/> Data Package Summary Forms	<input checked="" type="checkbox"/> Confirmation (lab check/QC) samples
<input checked="" type="checkbox"/> Chain-of-Custody (COC) Forms	<input checked="" type="checkbox"/> Internal standard area & retention time summary
<input checked="" type="checkbox"/> Test Results (no tentatively identified compounds [TICs])	<input checked="" type="checkbox"/> Chromatograms
<input checked="" type="checkbox"/> Calibration standards	<input checked="" type="checkbox"/> Raw data files
<input checked="" type="checkbox"/> Surrogate recoveries	<input checked="" type="checkbox"/> Other specific information
<input checked="" type="checkbox"/> Blank results	

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	Complete (Y/N)	Comments
480-175394	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	Hold Times (Y/N)	Preservation (Y/N)	Exception Comment
480-175394	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?									
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data									
SDG	1	2	3	4	5	6	7	8	9
480-175394	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.									

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	Protocols (Y/N)	Exception Comment
480-175394	Y	No

Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	Confirmation (Y/N)	Exception Comment
480-175394	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	Qualifiers (Y/N)	Comment
480-175394	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	QC Exceedances Documented (Y/N)	Comment
480-175394	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The samples came from a collection event September 17, 2020. RemVēr no issues in the provided documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-175394 (dated 30-Sep-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-175394—single, one-page COC. The laboratory noted no issues at the time of acceptance.

Sample Preservation & Holding Time Evaluation

Laboratory received coolers with samples on 9/17/2020 @ 15:15 PM (designated as SDG-#480-175394). The temperature of the cooler(s) at receipt were 3.0 and 3.2°C. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation

The laboratory reported no issues associated with sample preparation for either VOC or SVOC analysis, other than Sample #-1 which had a sample volume different from the standard procedure for preparation (ultrasonic extraction). This had an impact to reporting limits (RLs).

Analysis

The laboratory reported no analytical issues associated with the analytical runs other than what is discussed below.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

RemVēr

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).
- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.
- If an analyte was above the RL and beyond the upper limit for an analyte the laboratory set an “E” flag. RemVēr set a “JE” flag to indicate an estimated detection.
- Method 8260C—Samples #-1, #-2, and #-3 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in these samples.
- Method 8260C—Sample #-3 was analyzed using medium level soil analysis and diluted due to the abundance of non-target analytes. The lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in the sample.
- Method 8270D—Samples #-1, #-2, and #-3 was diluted due to color, appearance, and viscosity. The lab reported elevated limits (RLs). RemVēr set a “D” flag.
- Method 8270D—Samples #-1 and #-2 were diluted to bring target analyte concentrations within calibration range. The lab reported elevated limits (RLs) and also forced surrogate recoveries below their calibration range. RemVēr set a “D” flag for all VOCs in these samples.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes other than that noted below. CCVs were acceptable in the SDG for all methods and analytes, with the following exceptions:

- Method 8260C—Batch 550866 CCV recovery was beyond control limits (<LCL or >UCL) for 4-Nitrophenol in all samples but was not detected. RemVēr flagged the results in all samples as UJ, as appropriate.

Blank Evaluation

SDG #480-175394 had Method Blanks (MBs) for each method. The MBs were acceptable (no analytes greater than the reported detection limits) with the following exception(s):

- Method 8260—analyte Methylene Chloride was detected in the MB (Batch #550876 / 551207) above the RDL and was flagged as a “B J” result in sample’s with detections as a method blank detection. While it appears to only impact Sample #-3, sample non-detections were flagged as “UJ B.”

Laboratory Control Samples (LCS)

The various method LCS’ (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-175394 with the following exception(s):

- Method 8260—Batch 551207 spike recover for Methylene Chloride was beyond the upper control limit (>UCL) with high bias due to laboratory contamination. RemVēr set either a UJ+ or J+ flag, as appropriate in all samples.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates behaved in this SDG within acceptable performance criteria, except for:

- Method 8270D: Samples #-1 and -3 required dilution due to physical characteristics, which not only impacted RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.
- Method 8270D: Samples #-1 and -2 required dilution due to target analyte abundance impacting RLs but surrogate recoveries as well, resulting in inaccurate recovery analysis. RemVer flagged the results as UJ or J as appropriate.

Isotope Dilution Analyte (IDA) was not performed for any analysis reported in this SDG.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

There were no matrix spike/matrix spike duplicate (MS/MSD) runs reported for the analyses in SDG 480-175394. QA/QC decisions were based upon the LCS results.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES did not submit a field replicate sample for this SDG.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

DQA Detail Worksheet for SDG #480-175394

BLANKS	>RL?	Compounds	Notes
VOC (8260)	—	—	No Comment
All Samples	X	Methylene Chloride	Flag BJ or UJ B
SVOC (8270)	—	—	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
All	—	—	X	Methylene Chloride	Flag UJ+ / J+
SVOC (8270)	—	—	—	—	No Comment

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	—	No Comment
SVOC (8270)	X	X	—	Various Surrogates	Flag UJ or J
—	—	—	—	—	—

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	—	—	None
SVOC (8270)	—	—	—	—	—	None

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
None	None	N/A	—	As listed	None
		N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment

Reasonable Confidence Achieved ☐ Y ☐ N—N/A Significant QC Variances ☒ Y ☐ N
 Requested Reporting Limits Achieved ☒ Y ☐ N Preservation Require. Met ☒ Y ☐ N
 Holding Time Requirements Met ☒ Y ☐ N

Abbreviations:

RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
 RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
 VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
 EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
 PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report

Notes: * Typical lab contaminants, not site-related

DQA Non-Conformance Summary Worksheet for SDG #480-175394

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Any	Calibration (E)	>Range, Flag if >RL			Flag JE
	4-Nitrophenol	CCV	<LCL / >UCL	—	Hi/Lo	Flag UJ or J
	VOC & SVOC	Dilution	—			Flag D
	Methylene Chloride	LCS	>UCL	—	HI	Flag UJ+ or J+
	Methylene Chloride	Blank	—	—	—	Flag BJ or UJ B
	SVOCs	Surrogates	<LCL	—	—	Flag UJ or J
#1	VOVs & SVOCs	Sample Volume	RLs impacted			Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

SOIL VAPOR & AIR

Project: NYSDEC 31 Tonawanda St- Off- Site #C915332,
31 Tonawanda, New York
Laboratory: Eurofins Environment Testing TestAmerica, Knoxville, TN
Sample Delivery Group: 140-18650-1
Fraction: Organic
Matrix: Indoor/ Outdoor Air
Report Date: 7/19/2020

This data usability summary report is based upon a review of analytical data generated for indoor and outdoor air samples. One field duplicate sample was submitted with the samples for this Sample Delivery Group. The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures outlined in EPA Method TO-15 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999.

All sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the USEPA Region II "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15", SOP No. HW-31, revision 6, September 2016. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Sample Integrity/Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
	•	Surrogate Compound Recoveries
	•	Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
X	•	Field Duplicate Analysis Results
X	•	Laboratory Control Sample Results
X	•	Internal Standard Performance
X	•	Canister Certification
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

July 19, 2020
Date

1.0 DATA COMPLETENESS

The NYSDEC ASP Category B deliverable data were provided by the laboratory.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The label for sample RM2-A did not present the identification. The laboratory logged in the sample using the identification on the chain of custody.

The samples were received in acceptable condition.

3.0 SAMPLE INTEGRITY/HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

All criteria were met. No qualifiers were applied.

6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS

No compounds were detected in the associated laboratory method blank.

Trip blanks and field blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 SURROGATE COMPOUNDS

This parameter is not applicable to the analyses completed.

8.0 *MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

This parameter is not applicable to the analyses completed.

9.0 *FIELD DUPLICATE RESULTS*

Duplicate samples RM10-SS and DUP-032020 were submitted to the laboratory to evaluate sampling and analytical precision for those organic compounds determined to be present. Results for these duplicate samples are presented in Table 2. Volatile organic compounds 1, 1, 1-trichloroethane, 1, 1-dichloroethane, 1, 1-dichloroethene, dichlorodifluoromethane, and ethanol results for the duplicate samples exceeded a relative percent difference criterion of 50 %. Based on professional judgement, use of the higher concentrations reported for the compounds are recommended.

10.0 *LABORATORY CONTROL SAMPLE RESULTS*

All criteria were met. No qualifiers were applied.

11.0 *INTERNAL STANDARD PERFORMANCE*

All criteria were met. No qualifiers were applied.

12.0 *CANISTER CERTIFICATION*

All criteria were met. No qualifiers were applied.

13.0 *QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

14.0 *QUANTITATION/REPORTING LIMITS*

The following samples were analyzed at dilutions for volatile organic compounds. The dilution analyses were performed because of suspected

high concentrations of target compounds and/or interferences. RLs are elevated by the dilution factor have resulted for those compounds that were not detected. This should be noted when assessing the data.

Sample	Dilution Factor
RM10-SS	4.05
DUP-032020	3.08

The samples presented below were re-analyzed at dilutions for volatile organic compounds. The samples were re-analyzed because the responses for compounds exceeded the linear range of the GC/ MS instrument. The results for these compounds have been reported from the dilution analyses. All other results are reported from the initial analyses.

Sample	Dilution Factor	Results Exceeding the Linear Range
RM2-A	10.0	Ethanol
RM1-SS	10.0	Ethanol
RM10-SS	45.45	1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, Dichlorodifluoromethane, Ethanol
LOB-1SS	10.0	1,1-Dichloroethene, Dichlorodifluoromethane, Ethanol
LOB-1A	10.0	Ethanol
RM10-A	10.0	Ethanol

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method TO-15, "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St- Off- Site #C915332
 31 Tonawanda, New York
 Indoor/ Outdoor Air Sampling
 Test America Job ID 140-18650-1

Sample ID	Lab ID	Collection Date	Matrix	Analyses Performed	
				VOC	
RM2-A	140-18650	1	3/20/2020	Soil Vapor	X
RM1-SS	140-18650	2	3/20/2020	Soil Vapor	X
RM10-SS	140-18650	3	3/20/2020	Soil Vapor	X
DUP-032020	140-18650	4	3/20/2020	Soil Vapor	X
LOB-1SS	140-18650	5	3/20/2020	Soil Vapor	X
LOB-1A	140-18650	6	3/20/2020	Soil Vapor	X
RM10-A	140-18650	7	3/20/2020	Soil Vapor	X

Table 2 **Field Duplicate Sample Results for Organic Analyses**
Soil Vapor Samples RM10-SS and DUP-032020

Compound	Sample Result ($\mu\text{g}/\text{m}^3$)	Field Duplicate Result ($\mu\text{g}/\text{m}^3$)	RPD	
1,1,1-Trichloroethane	24000	370	194	*
1,1,2-Trichloroethane	0.72	ND	NC	
1,1-Dichloroethane	580	95	144	*
1,1-Dichloroethene	290	51	140	*
1,2,4-Trichlorobenzene	2	ND	NC	
1,2-Dichloroethane	1.5	ND	NC	
1,3,5-Trimethylbenzene	0.9	ND	NC	
1,4-Dichlorobenzene	2.5	ND	NC	
2-Butanone (MEK)	6.1	ND	NC	
4-Methyl-2-pentanone (MIBK)	1.3	ND	NC	
Benzene	1.7	ND	NC	
Carbon tetrachloride	0.7	ND	NC	
Chloroethane	1.2	ND	NC	
Chloroform	2.6	ND	NC	
Chloromethane	1.6	ND	NC	
Cyclohexane	2.4	ND	NC	
Dichlorodifluoromethane	6900	1100	145	*
Ethylbenzene	8.5	ND	NC	
Ethanol	1000	370	92	*
Hexane	11	ND	NC	
Naphthalene	1.5	ND	NC	
Styrene	5.5	ND	NC	
Tetrachloroethene	2.3	ND	NC	
Toluene	4	ND	NC	
Trichloroethene	1.6	ND	NC	
Trichlorofluoromethane	6.4	ND	NC	
cis-1,2-Dichloroethene	0.61	ND	NC	
m&p-Xylene	26	ND	NC	
o-Xylene	10	ND	NC	
trans-1,2-Dichloroethene	3.9	ND	NC	
t-Butyl alcohol	3.3	ND	NC	

* The field duplicate precision criterion was exceeded for this compound.

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM2-A

Lab Sample ID: 140-18650-1

Date Collected: 03/20/20 16:10

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.40		0.080		ppb v/v			03/25/20 16:10	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/20 16:10	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/20 16:10	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/20 16:10	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/20 16:10	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/20 16:10	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/20 16:10	1
1,2,4-Trimethylbenzene	0.30		0.080		ppb v/v			03/25/20 16:10	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/20 16:10	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 16:10	1
1,2-Dichloroethane	0.10		0.080		ppb v/v			03/25/20 16:10	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/20 16:10	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/20 16:10	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/20 16:10	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 16:10	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 16:10	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/20 16:10	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/20 16:10	1
2-Butanone	1.0		0.32		ppb v/v			03/25/20 16:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/20 16:10	1
Benzene	0.13		0.080		ppb v/v			03/25/20 16:10	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/20 16:10	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/20 16:10	1
Bromoform	ND		0.080		ppb v/v			03/25/20 16:10	1
Bromomethane	ND		0.080		ppb v/v			03/25/20 16:10	1
Carbon tetrachloride	0.081		0.032		ppb v/v			03/25/20 16:10	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/20 16:10	1
Chloroethane	ND		0.080		ppb v/v			03/25/20 16:10	1
Chloroform	ND		0.080		ppb v/v			03/25/20 16:10	1
Chloromethane	0.91		0.20		ppb v/v			03/25/20 16:10	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/20 16:10	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 16:10	1
Cyclohexane	ND		0.20		ppb v/v			03/25/20 16:10	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/20 16:10	1
Dichlorodifluoromethane	0.76		0.080		ppb v/v			03/25/20 16:10	1
Ethanol	380 E		2.0		ppb v/v			03/25/20 16:10	1
Ethylbenzene	0.097		0.080		ppb v/v			03/25/20 16:10	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/20 16:10	1
Hexane	ND		0.20		ppb v/v			03/25/20 16:10	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/20 16:10	1
Methylene Chloride	ND		0.40		ppb v/v			03/25/20 16:10	1
m-Xylene & p-Xylene	0.41		0.080		ppb v/v			03/25/20 16:10	1
Naphthalene	0.52		0.20		ppb v/v			03/25/20 16:10	1
o-Xylene	0.20		0.080		ppb v/v			03/25/20 16:10	1
Styrene	0.78		0.080		ppb v/v			03/25/20 16:10	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/25/20 16:10	1
Tetrachloroethene	0.15		0.080		ppb v/v			03/25/20 16:10	1
Toluene	0.39		0.12		ppb v/v			03/25/20 16:10	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM2-A

Lab Sample ID: 140-18650-1

Date Collected: 03/20/20 16:10

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/20 16:10	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 16:10	1
Trichloroethene	ND		0.036		ppb v/v			03/25/20 16:10	1
Trichlorofluoromethane	0.40		0.080		ppb v/v			03/25/20 16:10	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/20 16:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.2		0.44		ug/m3			03/25/20 16:10	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/20 16:10	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/20 16:10	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/20 16:10	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/20 16:10	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/20 16:10	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/20 16:10	1
1,2,4-Trimethylbenzene	1.5		0.39		ug/m3			03/25/20 16:10	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/20 16:10	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 16:10	1
1,2-Dichloroethane	0.41		0.32		ug/m3			03/25/20 16:10	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/20 16:10	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/20 16:10	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/20 16:10	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 16:10	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 16:10	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/20 16:10	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/20 16:10	1
2-Butanone	3.0		0.94		ug/m3			03/25/20 16:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/20 16:10	1
Benzene	0.41		0.26		ug/m3			03/25/20 16:10	1
Benzyl chloride	ND		0.83		ug/m3			03/25/20 16:10	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/20 16:10	1
Bromoform	ND		0.83		ug/m3			03/25/20 16:10	1
Bromomethane	ND		0.31		ug/m3			03/25/20 16:10	1
Carbon tetrachloride	0.51		0.20		ug/m3			03/25/20 16:10	1
Chlorobenzene	ND		0.37		ug/m3			03/25/20 16:10	1
Chloroethane	ND		0.21		ug/m3			03/25/20 16:10	1
Chloroform	ND		0.39		ug/m3			03/25/20 16:10	1
Chloromethane	1.9		0.41		ug/m3			03/25/20 16:10	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/20 16:10	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 16:10	1
Cyclohexane	ND		0.69		ug/m3			03/25/20 16:10	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/20 16:10	1
Dichlorodifluoromethane	3.8		0.40		ug/m3			03/25/20 16:10	1
Ethanol	720 E		3.8		ug/m3			03/25/20 16:10	1
Ethylbenzene	0.42		0.35		ug/m3			03/25/20 16:10	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/20 16:10	1
Hexane	ND		0.70		ug/m3			03/25/20 16:10	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/20 16:10	1
Methylene Chloride	ND		1.4		ug/m3			03/25/20 16:10	1
m-Xylene & p-Xylene	1.8		0.35		ug/m3			03/25/20 16:10	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM2-A

Lab Sample ID: 140-18650-1

Date Collected: 03/20/20 16:10

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	2.7		1.0		ug/m3			03/25/20 16:10	1
o-Xylene	0.86		0.35		ug/m3			03/25/20 16:10	1
Styrene	3.3		0.34		ug/m3			03/25/20 16:10	1
t-Butyl alcohol	ND		0.97		ug/m3			03/25/20 16:10	1
Tetrachloroethene	1.1		0.54		ug/m3			03/25/20 16:10	1
Toluene	1.5		0.45		ug/m3			03/25/20 16:10	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/20 16:10	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 16:10	1
Trichloroethene	ND		0.19		ug/m3			03/25/20 16:10	1
Trichlorofluoromethane	2.3		0.45		ug/m3			03/25/20 16:10	1
Vinyl chloride	ND		0.10		ug/m3			03/25/20 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 140		03/25/20 16:10	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	610	✓	20		ppb v/v			03/26/20 17:32	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1100	✓	38		ug/m3			03/26/20 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		60 - 140		03/26/20 17:32	1

SM 11/5/2020

Client Sample ID: RM1-SS

Lab Sample ID: 140-18650-2

Date Collected: 03/20/20 16:12

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.78		0.080		ppb v/v			03/25/20 17:08	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/20 17:08	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/20 17:08	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/20 17:08	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/20 17:08	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/20 17:08	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/20 17:08	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/25/20 17:08	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/20 17:08	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 17:08	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/25/20 17:08	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/20 17:08	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/20 17:08	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/20 17:08	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 17:08	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 17:08	1
1,4-Dioxane	0.25		0.20		ppb v/v			03/25/20 17:08	1
2,2,4-Trimethylpentane	0.28		0.20		ppb v/v			03/25/20 17:08	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM1-SS

Lab Sample ID: 140-18650-2

Date Collected: 03/20/20 16:12

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	4.3		0.32		ppb v/v			03/25/20 17:08	1
4-Methyl-2-pentanone (MIBK)	0.38		0.20		ppb v/v			03/25/20 17:08	1
Benzene	0.28		0.080		ppb v/v			03/25/20 17:08	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/20 17:08	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/20 17:08	1
Bromoform	ND		0.080		ppb v/v			03/25/20 17:08	1
Bromomethane	ND		0.080		ppb v/v			03/25/20 17:08	1
Carbon tetrachloride	0.087		0.032		ppb v/v			03/25/20 17:08	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/20 17:08	1
Chloroethane	ND		0.080		ppb v/v			03/25/20 17:08	1
Chloroform	ND		0.080		ppb v/v			03/25/20 17:08	1
Chloromethane	0.52		0.20		ppb v/v			03/25/20 17:08	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/20 17:08	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 17:08	1
Cyclohexane	0.32		0.20		ppb v/v			03/25/20 17:08	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/20 17:08	1
Dichlorodifluoromethane	0.45		0.080		ppb v/v			03/25/20 17:08	1
Ethanol	360 E		2.0		ppb v/v			03/25/20 17:08	1
Ethylbenzene	0.18		0.080		ppb v/v			03/25/20 17:08	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/20 17:08	1
Hexane	1.2		0.20		ppb v/v			03/25/20 17:08	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/20 17:08	1
Methylene Chloride	ND		0.40		ppb v/v			03/25/20 17:08	1
m-Xylene & p-Xylene	0.41		0.080		ppb v/v			03/25/20 17:08	1
Naphthalene	ND		0.20		ppb v/v			03/25/20 17:08	1
o-Xylene	0.14		0.080		ppb v/v			03/25/20 17:08	1
Styrene	0.20		0.080		ppb v/v			03/25/20 17:08	1
t-Butyl alcohol	5.3		0.32		ppb v/v			03/25/20 17:08	1
Tetrachloroethene	0.15		0.080		ppb v/v			03/25/20 17:08	1
Toluene	2.3		0.12		ppb v/v			03/25/20 17:08	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/20 17:08	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 17:08	1
Trichloroethene	0.11		0.036		ppb v/v			03/25/20 17:08	1
Trichlorofluoromethane	0.45		0.080		ppb v/v			03/25/20 17:08	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/20 17:08	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3		0.44		ug/m3			03/25/20 17:08	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/20 17:08	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/20 17:08	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/20 17:08	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/20 17:08	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/20 17:08	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/20 17:08	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/25/20 17:08	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/20 17:08	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 17:08	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/25/20 17:08	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/20 17:08	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM1-SS

Lab Sample ID: 140-18650-2

Date Collected: 03/20/20 16:12

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/20 17:08	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/20 17:08	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 17:08	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 17:08	1
1,4-Dioxane	0.90		0.72		ug/m3			03/25/20 17:08	1
2,2,4-Trimethylpentane	1.3		0.93		ug/m3			03/25/20 17:08	1
2-Butanone	13		0.94		ug/m3			03/25/20 17:08	1
4-Methyl-2-pentanone (MIBK)	1.6		0.82		ug/m3			03/25/20 17:08	1
Benzene	0.89		0.26		ug/m3			03/25/20 17:08	1
Benzyl chloride	ND		0.83		ug/m3			03/25/20 17:08	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/20 17:08	1
Bromoform	ND		0.83		ug/m3			03/25/20 17:08	1
Bromomethane	ND		0.31		ug/m3			03/25/20 17:08	1
Carbon tetrachloride	0.55		0.20		ug/m3			03/25/20 17:08	1
Chlorobenzene	ND		0.37		ug/m3			03/25/20 17:08	1
Chloroethane	ND		0.21		ug/m3			03/25/20 17:08	1
Chloroform	ND		0.39		ug/m3			03/25/20 17:08	1
Chloromethane	1.1		0.41		ug/m3			03/25/20 17:08	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/20 17:08	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 17:08	1
Cyclohexane	1.1		0.69		ug/m3			03/25/20 17:08	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/20 17:08	1
Dichlorodifluoromethane	2.2		0.40		ug/m3			03/25/20 17:08	1
Ethanol	690 E		3.8		ug/m3			03/25/20 17:08	1
Ethylbenzene	0.78		0.35		ug/m3			03/25/20 17:08	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/20 17:08	1
Hexane	4.2		0.70		ug/m3			03/25/20 17:08	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/20 17:08	1
Methylene Chloride	ND		1.4		ug/m3			03/25/20 17:08	1
m-Xylene & p-Xylene	1.8		0.35		ug/m3			03/25/20 17:08	1
Naphthalene	ND		1.0		ug/m3			03/25/20 17:08	1
o-Xylene	0.61		0.35		ug/m3			03/25/20 17:08	1
Styrene	0.84		0.34		ug/m3			03/25/20 17:08	1
t-Butyl alcohol	16		0.97		ug/m3			03/25/20 17:08	1
Tetrachloroethene	1.0		0.54		ug/m3			03/25/20 17:08	1
Toluene	8.7		0.45		ug/m3			03/25/20 17:08	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/20 17:08	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 17:08	1
Trichloroethene	0.60		0.19		ug/m3			03/25/20 17:08	1
Trichlorofluoromethane	2.5		0.45		ug/m3			03/25/20 17:08	1
Vinyl chloride	ND		0.10		ug/m3			03/25/20 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140		03/25/20 17:08	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	660	7	20		ppb v/v			03/26/20 18:19	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM1-SS

Lab Sample ID: 140-18650-2

Date Collected: 03/20/20 16:12

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1200	✓	38		ug/m3			03/26/20 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66		60 - 140					03/26/20 18:19	1

Client Sample ID: RM10-SS

Lab Sample ID: 140-18650-3

Date Collected: 03/20/20 16:15

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	480 E		0.080		ppb v/v			03/25/20 18:09	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/20 18:09	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/20 18:09	1
1,1,2-Trichlorotrifluoroethane	0.094		0.080		ppb v/v			03/25/20 18:09	1
1,1-Dichloroethane	110 E		0.080		ppb v/v			03/25/20 18:09	1
1,1-Dichloroethene	67 E		0.040		ppb v/v			03/25/20 18:09	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/20 18:09	1
1,2,4-Trimethylbenzene	0.40		0.080		ppb v/v			03/25/20 18:09	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/20 18:09	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 18:09	1
1,2-Dichloroethane	0.38		0.080		ppb v/v			03/25/20 18:09	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/20 18:09	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/20 18:09	1
1,3,5-Trimethylbenzene	0.18	CI	0.080		ppb v/v			03/25/20 18:09	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 18:09	1
1,4-Dichlorobenzene	0.41		0.080		ppb v/v			03/25/20 18:09	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/20 18:09	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/20 18:09	1
2-Butanone	2.1		0.32		ppb v/v			03/25/20 18:09	1
4-Methyl-2-pentanone (MIBK)	0.31		0.20		ppb v/v			03/25/20 18:09	1
Benzene	0.53		0.080		ppb v/v			03/25/20 18:09	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/20 18:09	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/20 18:09	1
Bromoform	ND		0.080		ppb v/v			03/25/20 18:09	1
Bromomethane	ND		0.080		ppb v/v			03/25/20 18:09	1
Carbon tetrachloride	0.11		0.032		ppb v/v			03/25/20 18:09	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/20 18:09	1
Chloroethane	0.46		0.080		ppb v/v			03/25/20 18:09	1
Chloroform	0.53		0.080		ppb v/v			03/25/20 18:09	1
Chloromethane	0.77		0.20		ppb v/v			03/25/20 18:09	1
cis-1,2-Dichloroethene	0.15		0.040		ppb v/v			03/25/20 18:09	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 18:09	1
Cyclohexane	0.71		0.20		ppb v/v			03/25/20 18:09	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/20 18:09	1
Dichlorodifluoromethane	130 E		0.080		ppb v/v			03/25/20 18:09	1
Ethanol	430 E		2.0		ppb v/v			03/25/20 18:09	1
Ethylbenzene	2.0		0.080		ppb v/v			03/25/20 18:09	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/20 18:09	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM10-SS

Lab Sample ID: 140-18650-3

Date Collected: 03/20/20 16:15

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	3.0		0.20		ppb v/v			03/25/20 18:09	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/20 18:09	1
Methylene Chloride	ND		0.40		ppb v/v			03/25/20 18:09	1
m-Xylene & p-Xylene	6.0		0.080		ppb v/v			03/25/20 18:09	1
Naphthalene	0.28		0.20		ppb v/v			03/25/20 18:09	1
o-Xylene	2.3		0.080		ppb v/v			03/25/20 18:09	1
Styrene	1.3		0.080		ppb v/v			03/25/20 18:09	1
t-Butyl alcohol	1.1		0.32		ppb v/v			03/25/20 18:09	1
Tetrachloroethene	0.33		0.080		ppb v/v			03/25/20 18:09	1
Toluene	1.1		0.12		ppb v/v			03/25/20 18:09	1
trans-1,2-Dichloroethene	0.97		0.080		ppb v/v			03/25/20 18:09	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 18:09	1
Trichloroethene	0.29		0.036		ppb v/v			03/25/20 18:09	1
Trichlorofluoromethane	1.1		0.080		ppb v/v			03/25/20 18:09	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/20 18:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4000 E		0.44		ug/m3			03/25/20 18:09	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/20 18:09	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/20 18:09	1
1,1,2-Trichlorotrifluoroethane	0.72		0.61		ug/m3			03/25/20 18:09	1
1,1-Dichloroethane	430 E		0.32		ug/m3			03/25/20 18:09	1
1,1-Dichloroethene	270 E		0.16		ug/m3			03/25/20 18:09	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/20 18:09	1
1,2,4-Trimethylbenzene	2.0		0.39		ug/m3			03/25/20 18:09	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/20 18:09	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 18:09	1
1,2-Dichloroethane	1.5		0.32		ug/m3			03/25/20 18:09	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/20 18:09	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/20 18:09	1
1,3,5-Trimethylbenzene	0.90	✓	0.39		ug/m3			03/25/20 18:09	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 18:09	1
1,4-Dichlorobenzene	2.5		0.48		ug/m3			03/25/20 18:09	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/20 18:09	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/20 18:09	1
2-Butanone	6.1		0.94		ug/m3			03/25/20 18:09	1
4-Methyl-2-pentanone (MIBK)	1.3		0.82		ug/m3			03/25/20 18:09	1
Benzene	1.7		0.26		ug/m3			03/25/20 18:09	1
Benzyl chloride	ND		0.83		ug/m3			03/25/20 18:09	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/20 18:09	1
Bromoform	ND		0.83		ug/m3			03/25/20 18:09	1
Bromomethane	ND		0.31		ug/m3			03/25/20 18:09	1
Carbon tetrachloride	0.69		0.20		ug/m3			03/25/20 18:09	1
Chlorobenzene	ND		0.37		ug/m3			03/25/20 18:09	1
Chloroethane	1.2		0.21		ug/m3			03/25/20 18:09	1
Chloroform	2.6		0.39		ug/m3			03/25/20 18:09	1
Chloromethane	1.6		0.41		ug/m3			03/25/20 18:09	1
cis-1,2-Dichloroethene	0.61		0.16		ug/m3			03/25/20 18:09	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 18:09	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM10-SS

Lab Sample ID: 140-18650-3

Date Collected: 03/20/20 16:15

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	2.4		0.69		ug/m3			03/25/20 18:09	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/20 18:09	1
Dichlorodifluoromethane	650 E		0.40		ug/m3			03/25/20 18:09	1
Ethanol	810 E		3.8		ug/m3			03/25/20 18:09	1
Ethylbenzene	8.5		0.35		ug/m3			03/25/20 18:09	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/20 18:09	1
Hexane	11		0.70		ug/m3			03/25/20 18:09	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/20 18:09	1
Methylene Chloride	ND		1.4		ug/m3			03/25/20 18:09	1
m-Xylene & p-Xylene	26		0.35		ug/m3			03/25/20 18:09	1
Naphthalene	1.5		1.0		ug/m3			03/25/20 18:09	1
o-Xylene	10		0.35		ug/m3			03/25/20 18:09	1
Styrene	5.5		0.34		ug/m3			03/25/20 18:09	1
t-Butyl alcohol	3.3		0.97		ug/m3			03/25/20 18:09	1
Tetrachloroethene	2.3		0.54		ug/m3			03/25/20 18:09	1
Toluene	4.0		0.45		ug/m3			03/25/20 18:09	1
trans-1,2-Dichloroethene	3.9		0.32		ug/m3			03/25/20 18:09	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 18:09	1
Trichloroethene	1.6		0.19		ug/m3			03/25/20 18:09	1
Trichlorofluoromethane	6.4		0.45		ug/m3			03/25/20 18:09	1
Vinyl chloride	ND		0.10		ug/m3			03/25/20 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		60 - 140		03/25/20 18:09	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	440	D	15		ppb v/v			03/27/20 19:53	4.05
1,1-Dichloroethane	140	D	15		ppb v/v			03/27/20 19:53	4.05
1,1-Dichloroethene	74	D	7.4		ppb v/v			03/27/20 19:53	4.05
Dichlorodifluoromethane	1400	D	15		ppb v/v			03/27/20 19:53	4.05
Ethanol	550	D	370		ppb v/v			03/27/20 19:53	4.05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2400	D	80		ug/m3			03/27/20 19:53	4.05
1,1-Dichloroethane	580	D	60		ug/m3			03/27/20 19:53	4.05
1,1-Dichloroethene	290	D	29		ug/m3			03/27/20 19:53	4.05
Dichlorodifluoromethane	6900	D	73		ug/m3			03/27/20 19:53	4.05
Ethanol	1000	D	690		ug/m3			03/27/20 19:53	4.05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140		03/27/20 19:53	4.05

SNK
7/15/2021

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: DUP-032020

Lab Sample ID: 140-18650-4

Date Collected: 03/20/20 16:16

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	68		4.0		ppb v/v			03/26/20 07:34	1
1,1,2,2-Tetrachloroethane	ND		4.0		ppb v/v			03/26/20 07:34	1
1,1,2-Trichloroethane	ND		4.0		ppb v/v			03/26/20 07:34	1
1,1,2-Trichlorotrifluoroethane	ND		4.0		ppb v/v			03/26/20 07:34	1
1,1-Dichloroethane	24		4.0		ppb v/v			03/26/20 07:34	1
1,1-Dichloroethene	13		2.0		ppb v/v			03/26/20 07:34	1
1,2,4-Trichlorobenzene	ND		4.0		ppb v/v			03/26/20 07:34	1
1,2,4-Trimethylbenzene	ND		4.0		ppb v/v			03/26/20 07:34	1
1,2-Dibromoethane	ND		4.0		ppb v/v			03/26/20 07:34	1
1,2-Dichlorobenzene	ND		4.0		ppb v/v			03/26/20 07:34	1
1,2-Dichloroethane	ND		4.0		ppb v/v			03/26/20 07:34	1
1,2-Dichloropropane	ND		4.0		ppb v/v			03/26/20 07:34	1
1,2-Dichlorotetrafluoroethane	ND		4.0		ppb v/v			03/26/20 07:34	1
1,3,5-Trimethylbenzene	ND		4.0		ppb v/v			03/26/20 07:34	1
1,3-Dichlorobenzene	ND		4.0		ppb v/v			03/26/20 07:34	1
1,4-Dichlorobenzene	ND		4.0		ppb v/v			03/26/20 07:34	1
1,4-Dioxane	ND		10		ppb v/v			03/26/20 07:34	1
2,2,4-Trimethylpentane	ND		10		ppb v/v			03/26/20 07:34	1
2-Butanone	ND		16		ppb v/v			03/26/20 07:34	1
4-Methyl-2-pentanone (MIBK)	ND		10		ppb v/v			03/26/20 07:34	1
Benzene	ND		4.0		ppb v/v			03/26/20 07:34	1
Benzyl chloride	ND		8.0		ppb v/v			03/26/20 07:34	1
Bromodichloromethane	ND		4.0		ppb v/v			03/26/20 07:34	1
Bromoform	ND		4.0		ppb v/v			03/26/20 07:34	1
Bromomethane	ND		4.0		ppb v/v			03/26/20 07:34	1
Carbon tetrachloride	ND		1.6		ppb v/v			03/26/20 07:34	1
Chlorobenzene	ND		4.0		ppb v/v			03/26/20 07:34	1
Chloroethane	ND		4.0		ppb v/v			03/26/20 07:34	1
Chloroform	ND		4.0		ppb v/v			03/26/20 07:34	1
Chloromethane	ND		10		ppb v/v			03/26/20 07:34	1
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/26/20 07:34	1
cis-1,3-Dichloropropene	ND		4.0		ppb v/v			03/26/20 07:34	1
Cyclohexane	ND		10		ppb v/v			03/26/20 07:34	1
Dibromochloromethane	ND		4.0		ppb v/v			03/26/20 07:34	1
Dichlorodifluoromethane	220		4.0		ppb v/v			03/26/20 07:34	1
Ethanol	190		100		ppb v/v			03/26/20 07:34	1
Ethylbenzene	ND		4.0		ppb v/v			03/26/20 07:34	1
Hexachlorobutadiene	ND		4.0		ppb v/v			03/26/20 07:34	1
Hexane	ND		10		ppb v/v			03/26/20 07:34	1
Methyl tert-butyl ether	ND		8.0		ppb v/v			03/26/20 07:34	1
Methylene Chloride	ND		20		ppb v/v			03/26/20 07:34	1
m-Xylene & p-Xylene	ND		4.0		ppb v/v			03/26/20 07:34	1
Naphthalene	ND		10		ppb v/v			03/26/20 07:34	1
o-Xylene	ND		4.0		ppb v/v			03/26/20 07:34	1
Styrene	ND		4.0		ppb v/v			03/26/20 07:34	1
t-Butyl alcohol	ND		16		ppb v/v			03/26/20 07:34	1
Tetrachloroethene	ND		4.0		ppb v/v			03/26/20 07:34	1
Toluene	ND		6.0		ppb v/v			03/26/20 07:34	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: DUP-032020

Lab Sample ID: 140-18650-4

Date Collected: 03/20/20 16:16

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.0		ppb v/v			03/26/20 07:34	1
trans-1,3-Dichloropropene	ND		4.0		ppb v/v			03/26/20 07:34	1
Trichloroethene	ND		1.8		ppb v/v			03/26/20 07:34	1
Trichlorofluoromethane	ND		4.0		ppb v/v			03/26/20 07:34	1
Vinyl chloride	ND		2.0		ppb v/v			03/26/20 07:34	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	370		22		ug/m3			03/26/20 07:34	1
1,1,2,2-Tetrachloroethane	ND		27		ug/m3			03/26/20 07:34	1
1,1,2-Trichloroethane	ND		22		ug/m3			03/26/20 07:34	1
1,1,2-Trichlorotrifluoroethane	ND		31		ug/m3			03/26/20 07:34	1
1,1-Dichloroethane	95		16		ug/m3			03/26/20 07:34	1
1,1-Dichloroethene	51		7.9		ug/m3			03/26/20 07:34	1
1,2,4-Trichlorobenzene	ND		30		ug/m3			03/26/20 07:34	1
1,2,4-Trimethylbenzene	ND		20		ug/m3			03/26/20 07:34	1
1,2-Dibromoethane	ND		31		ug/m3			03/26/20 07:34	1
1,2-Dichlorobenzene	ND		24		ug/m3			03/26/20 07:34	1
1,2-Dichloroethane	ND		16		ug/m3			03/26/20 07:34	1
1,2-Dichloropropane	ND		18		ug/m3			03/26/20 07:34	1
1,2-Dichlorotetrafluoroethane	ND		28		ug/m3			03/26/20 07:34	1
1,3,5-Trimethylbenzene	ND		20		ug/m3			03/26/20 07:34	1
1,3-Dichlorobenzene	ND		24		ug/m3			03/26/20 07:34	1
1,4-Dichlorobenzene	ND		24		ug/m3			03/26/20 07:34	1
1,4-Dioxane	ND		36		ug/m3			03/26/20 07:34	1
2,2,4-Trimethylpentane	ND		47		ug/m3			03/26/20 07:34	1
2-Butanone	ND		47		ug/m3			03/26/20 07:34	1
4-Methyl-2-pentanone (MIBK)	ND		41		ug/m3			03/26/20 07:34	1
Benzene	ND		13		ug/m3			03/26/20 07:34	1
Benzyl chloride	ND		41		ug/m3			03/26/20 07:34	1
Bromodichloromethane	ND		27		ug/m3			03/26/20 07:34	1
Bromoform	ND		41		ug/m3			03/26/20 07:34	1
Bromomethane	ND		16		ug/m3			03/26/20 07:34	1
Carbon tetrachloride	ND		10		ug/m3			03/26/20 07:34	1
Chlorobenzene	ND		18		ug/m3			03/26/20 07:34	1
Chloroethane	ND		11		ug/m3			03/26/20 07:34	1
Chloroform	ND		20		ug/m3			03/26/20 07:34	1
Chloromethane	ND		21		ug/m3			03/26/20 07:34	1
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/26/20 07:34	1
cis-1,3-Dichloropropene	ND		18		ug/m3			03/26/20 07:34	1
Cyclohexane	ND		34		ug/m3			03/26/20 07:34	1
Dibromochloromethane	ND		34		ug/m3			03/26/20 07:34	1
Dichlorodifluoromethane	1100		20		ug/m3			03/26/20 07:34	1
Ethanol	370		190		ug/m3			03/26/20 07:34	1
Ethylbenzene	ND		17		ug/m3			03/26/20 07:34	1
Hexachlorobutadiene	ND		43		ug/m3			03/26/20 07:34	1
Hexane	ND		35		ug/m3			03/26/20 07:34	1
Methyl tert-butyl ether	ND		29		ug/m3			03/26/20 07:34	1
Methylene Chloride	ND		69		ug/m3			03/26/20 07:34	1
m-Xylene & p-Xylene	ND		17		ug/m3			03/26/20 07:34	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: DUP-032020

Lab Sample ID: 140-18650-4

Date Collected: 03/20/20 16:16

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		52		ug/m3			03/26/20 07:34	1
o-Xylene	ND		17		ug/m3			03/26/20 07:34	1
Styrene	ND		17		ug/m3			03/26/20 07:34	1
t-Butyl alcohol	ND		49		ug/m3			03/26/20 07:34	1
Tetrachloroethene	ND		27		ug/m3			03/26/20 07:34	1
Toluene	ND		23		ug/m3			03/26/20 07:34	1
trans-1,2-Dichloroethene	ND		16		ug/m3			03/26/20 07:34	1
trans-1,3-Dichloropropene	ND		18		ug/m3			03/26/20 07:34	1
Trichloroethene	ND		9.7		ug/m3			03/26/20 07:34	1
Trichlorofluoromethane	ND		22		ug/m3			03/26/20 07:34	1
Vinyl chloride	ND		5.1		ug/m3			03/26/20 07:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140		03/26/20 07:34	1

Client Sample ID: LOB-1SS

Lab Sample ID: 140-18650-5

Date Collected: 03/20/20 16:19

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	15		0.080		ppb v/v			03/25/20 20:02	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/20 20:02	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/20 20:02	1
1,1,2-Trichlorotrifluoroethane	0.23		0.080		ppb v/v			03/25/20 20:02	1
1,1-Dichloroethane	13		0.080		ppb v/v			03/25/20 20:02	1
1,1-Dichloroethene	24 E		0.040		ppb v/v			03/25/20 20:02	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/20 20:02	1
1,2,4-Trimethylbenzene	0.11		0.080		ppb v/v			03/25/20 20:02	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/20 20:02	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 20:02	1
1,2-Dichloroethane	0.31		0.080		ppb v/v			03/25/20 20:02	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/20 20:02	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/20 20:02	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/20 20:02	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 20:02	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 20:02	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/20 20:02	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/20 20:02	1
2-Butanone	1.1		0.32		ppb v/v			03/25/20 20:02	1
4-Methyl-2-pentanone (MIBK)	0.50		0.20		ppb v/v			03/25/20 20:02	1
Benzene	0.37		0.080		ppb v/v			03/25/20 20:02	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/20 20:02	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/20 20:02	1
Bromoform	ND		0.080		ppb v/v			03/25/20 20:02	1
Bromomethane	ND		0.080		ppb v/v			03/25/20 20:02	1
Carbon tetrachloride	0.095		0.032		ppb v/v			03/25/20 20:02	1
Chlorobenzene	0.083		0.080		ppb v/v			03/25/20 20:02	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: LOB-1SS

Lab Sample ID: 140-18650-5

Date Collected: 03/20/20 16:19

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.27		0.080		ppb v/v			03/25/20 20:02	1
Chloroform	0.26		0.080		ppb v/v			03/25/20 20:02	1
Chloromethane	0.54		0.20		ppb v/v			03/25/20 20:02	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/20 20:02	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 20:02	1
Cyclohexane	ND		0.20		ppb v/v			03/25/20 20:02	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/20 20:02	1
Dichlorodifluoromethane	18 E		0.080		ppb v/v			03/25/20 20:02	1
Ethanol	320 E		2.0		ppb v/v			03/25/20 20:02	1
Ethylbenzene	1.2		0.080		ppb v/v			03/25/20 20:02	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/20 20:02	1
Hexane	0.53		0.20		ppb v/v			03/25/20 20:02	1
Methyl tert-butyl ether	1.4		0.16		ppb v/v			03/25/20 20:02	1
Methylene Chloride	ND		0.40		ppb v/v			03/25/20 20:02	1
m-Xylene & p-Xylene	2.7		0.080		ppb v/v			03/25/20 20:02	1
Naphthalene	ND		0.20		ppb v/v			03/25/20 20:02	1
o-Xylene	0.87		0.080		ppb v/v			03/25/20 20:02	1
Styrene	0.17		0.080		ppb v/v			03/25/20 20:02	1
t-Butyl alcohol	2.9		0.32		ppb v/v			03/25/20 20:02	1
Tetrachloroethene	0.30		0.080		ppb v/v			03/25/20 20:02	1
Toluene	0.72		0.12		ppb v/v			03/25/20 20:02	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/20 20:02	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 20:02	1
Trichloroethene	0.21		0.036		ppb v/v			03/25/20 20:02	1
Trichlorofluoromethane	0.47		0.080		ppb v/v			03/25/20 20:02	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/20 20:02	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	80		0.44		ug/m3			03/25/20 20:02	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/20 20:02	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/20 20:02	1
1,1,2-Trichlorotrifluoroethane	1.8		0.61		ug/m3			03/25/20 20:02	1
1,1-Dichloroethane	53		0.32		ug/m3			03/25/20 20:02	1
1,1-Dichloroethene	94 E		0.16		ug/m3			03/25/20 20:02	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/20 20:02	1
1,2,4-Trimethylbenzene	0.53		0.39		ug/m3			03/25/20 20:02	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/20 20:02	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 20:02	1
1,2-Dichloroethane	1.2		0.32		ug/m3			03/25/20 20:02	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/20 20:02	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/20 20:02	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/20 20:02	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 20:02	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 20:02	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/20 20:02	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/20 20:02	1
2-Butanone	3.4		0.94		ug/m3			03/25/20 20:02	1
4-Methyl-2-pentanone (MIBK)	2.1		0.82		ug/m3			03/25/20 20:02	1
Benzene	1.2		0.26		ug/m3			03/25/20 20:02	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: LOB-1SS

Lab Sample ID: 140-18650-5

Date Collected: 03/20/20 16:19

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/25/20 20:02	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/20 20:02	1
Bromoform	ND		0.83		ug/m3			03/25/20 20:02	1
Bromomethane	ND		0.31		ug/m3			03/25/20 20:02	1
Carbon tetrachloride	0.60		0.20		ug/m3			03/25/20 20:02	1
Chlorobenzene	0.38		0.37		ug/m3			03/25/20 20:02	1
Chloroethane	0.72		0.21		ug/m3			03/25/20 20:02	1
Chloroform	1.3		0.39		ug/m3			03/25/20 20:02	1
Chloromethane	1.1		0.41		ug/m3			03/25/20 20:02	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/20 20:02	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 20:02	1
Cyclohexane	ND		0.69		ug/m3			03/25/20 20:02	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/20 20:02	1
Dichlorodifluoromethane	87 E		0.40		ug/m3			03/25/20 20:02	1
Ethanol	610 E		3.8		ug/m3			03/25/20 20:02	1
Ethylbenzene	5.1		0.35		ug/m3			03/25/20 20:02	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/20 20:02	1
Hexane	1.9		0.70		ug/m3			03/25/20 20:02	1
Methyl tert-butyl ether	5.0		0.58		ug/m3			03/25/20 20:02	1
Methylene Chloride	ND		1.4		ug/m3			03/25/20 20:02	1
m-Xylene & p-Xylene	12		0.35		ug/m3			03/25/20 20:02	1
Naphthalene	ND		1.0		ug/m3			03/25/20 20:02	1
o-Xylene	3.8		0.35		ug/m3			03/25/20 20:02	1
Styrene	0.74		0.34		ug/m3			03/25/20 20:02	1
t-Butyl alcohol	8.8		0.97		ug/m3			03/25/20 20:02	1
Tetrachloroethene	2.1		0.54		ug/m3			03/25/20 20:02	1
Toluene	2.7		0.45		ug/m3			03/25/20 20:02	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/20 20:02	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 20:02	1
Trichloroethene	1.1		0.19		ug/m3			03/25/20 20:02	1
Trichlorofluoromethane	2.7		0.45		ug/m3			03/25/20 20:02	1
Vinyl chloride	ND		0.10		ug/m3			03/25/20 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140		03/25/20 20:02	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	31	D	0.40		ppb v/v			03/26/20 19:55	1
Dichlorodifluoromethane	31	D	0.80		ppb v/v			03/26/20 19:55	1
Ethanol	560	D	20		ppb v/v			03/26/20 19:55	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	120	D	1.6		ug/m3			03/26/20 19:55	1
Dichlorodifluoromethane	150	D	4.0		ug/m3			03/26/20 19:55	1
Ethanol	1000	D	38		ug/m3			03/26/20 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		60 - 140		03/26/20 19:55	1

EWK 1/15/2021

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: LOB-1A

Lab Sample ID: 140-18650-6

Date Collected: 03/20/20 16:20

Matrix: Air

Date Received: 03/23/20 09:45

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.1		0.080		ppb v/v			03/25/20 21:00	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/20 21:00	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/20 21:00	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/20 21:00	1
1,1-Dichloroethane	0.95		0.080		ppb v/v			03/25/20 21:00	1
1,1-Dichloroethene	0.39		0.040		ppb v/v			03/25/20 21:00	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/20 21:00	1
1,2,4-Trimethylbenzene	0.31		0.080		ppb v/v			03/25/20 21:00	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/20 21:00	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 21:00	1
1,2-Dichloroethane	0.39		0.080		ppb v/v			03/25/20 21:00	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/20 21:00	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/20 21:00	1
1,3,5-Trimethylbenzene	0.094		0.080		ppb v/v			03/25/20 21:00	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 21:00	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 21:00	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/20 21:00	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/20 21:00	1
2-Butanone	1.3		0.32		ppb v/v			03/25/20 21:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/20 21:00	1
Benzene	0.38		0.080		ppb v/v			03/25/20 21:00	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/20 21:00	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/20 21:00	1
Bromoform	ND		0.080		ppb v/v			03/25/20 21:00	1
Bromomethane	ND		0.080		ppb v/v			03/25/20 21:00	1
Carbon tetrachloride	0.087		0.032		ppb v/v			03/25/20 21:00	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/20 21:00	1
Chloroethane	ND		0.080		ppb v/v			03/25/20 21:00	1
Chloroform	0.30		0.080		ppb v/v			03/25/20 21:00	1
Chloromethane	1.3		0.20		ppb v/v			03/25/20 21:00	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/20 21:00	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 21:00	1
Cyclohexane	ND		0.20		ppb v/v			03/25/20 21:00	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/20 21:00	1
Dichlorodifluoromethane	0.45		0.080		ppb v/v			03/25/20 21:00	1
Ethanol	640 E		2.0		ppb v/v			03/25/20 21:00	1
Ethylbenzene	0.14		0.080		ppb v/v			03/25/20 21:00	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/20 21:00	1
Hexane	ND		0.20		ppb v/v			03/25/20 21:00	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/20 21:00	1
Methylene Chloride	ND		0.40		ppb v/v			03/25/20 21:00	1
m-Xylene & p-Xylene	0.63		0.080		ppb v/v			03/25/20 21:00	1
Naphthalene	0.28		0.20		ppb v/v			03/25/20 21:00	1
o-Xylene	0.23		0.080		ppb v/v			03/25/20 21:00	1
Styrene	1.2		0.080		ppb v/v			03/25/20 21:00	1
t-Butyl alcohol	0.72		0.32		ppb v/v			03/25/20 21:00	1
Tetrachloroethene	0.22		0.080		ppb v/v			03/25/20 21:00	1
Toluene	0.82		0.12		ppb v/v			03/25/20 21:00	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/20 21:00	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: LOB-1A

Lab Sample ID: 140-18650-6

Date Collected: 03/20/20 16:20

Matrix: Air

Date Received: 03/23/20 09:45

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 21:00	1
Trichloroethene	0.26		0.036		ppb v/v			03/25/20 21:00	1
Trichlorofluoromethane	0.53		0.080		ppb v/v			03/25/20 21:00	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/20 21:00	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	28		0.44		ug/m3			03/25/20 21:00	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/20 21:00	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/20 21:00	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/20 21:00	1
1,1-Dichloroethane	3.8		0.32		ug/m3			03/25/20 21:00	1
1,1-Dichloroethene	1.6		0.16		ug/m3			03/25/20 21:00	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/20 21:00	1
1,2,4-Trimethylbenzene	1.5		0.39		ug/m3			03/25/20 21:00	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/20 21:00	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 21:00	1
1,2-Dichloroethane	1.6		0.32		ug/m3			03/25/20 21:00	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/20 21:00	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/20 21:00	1
1,3,5-Trimethylbenzene	0.46		0.39		ug/m3			03/25/20 21:00	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 21:00	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 21:00	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/20 21:00	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/20 21:00	1
2-Butanone	3.9		0.94		ug/m3			03/25/20 21:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/20 21:00	1
Benzene	1.2		0.26		ug/m3			03/25/20 21:00	1
Benzyl chloride	ND		0.83		ug/m3			03/25/20 21:00	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/20 21:00	1
Bromoform	ND		0.83		ug/m3			03/25/20 21:00	1
Bromomethane	ND		0.31		ug/m3			03/25/20 21:00	1
Carbon tetrachloride	0.55		0.20		ug/m3			03/25/20 21:00	1
Chlorobenzene	ND		0.37		ug/m3			03/25/20 21:00	1
Chloroethane	ND		0.21		ug/m3			03/25/20 21:00	1
Chloroform	1.5		0.39		ug/m3			03/25/20 21:00	1
Chloromethane	2.7	✓	0.41		ug/m3			03/25/20 21:00	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/20 21:00	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 21:00	1
Cyclohexane	ND		0.69		ug/m3			03/25/20 21:00	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/20 21:00	1
Dichlorodifluoromethane	2.2		0.40		ug/m3			03/25/20 21:00	1
Ethanol	1200 E		3.8		ug/m3			03/25/20 21:00	1
Ethylbenzene	0.62		0.35		ug/m3			03/25/20 21:00	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/20 21:00	1
Hexane	ND		0.70		ug/m3			03/25/20 21:00	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/20 21:00	1
Methylene Chloride	ND		1.4		ug/m3			03/25/20 21:00	1
m-Xylene & p-Xylene	2.8		0.35		ug/m3			03/25/20 21:00	1
Naphthalene	1.5		1.0		ug/m3			03/25/20 21:00	1
o-Xylene	0.99		0.35		ug/m3			03/25/20 21:00	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: LOB-1A

Lab Sample ID: 140-18650-6

Date Collected: 03/20/20 16:20

Matrix: Air

Date Received: 03/23/20 09:45

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	5.0		0.34		ug/m3			03/25/20 21:00	1
t-Butyl alcohol	2.2		0.97		ug/m3			03/25/20 21:00	1
Tetrachloroethene	1.5		0.54		ug/m3			03/25/20 21:00	1
Toluene	3.1		0.45		ug/m3			03/25/20 21:00	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/20 21:00	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 21:00	1
Trichloroethene	1.4		0.19		ug/m3			03/25/20 21:00	1
Trichlorofluoromethane	3.0		0.45		ug/m3			03/25/20 21:00	1
Vinyl chloride	ND		0.10		ug/m3			03/25/20 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140		03/25/20 21:00	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1600	✓	40		ppb v/v			03/26/20 20:43	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	3000	✓	75		ug/m3			03/26/20 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		60 - 140		03/26/20 20:43	1

SM 7/5/2028

Client Sample ID: RM10-A

Lab Sample ID: 140-18650-7

Date Collected: 03/20/20 16:22

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	7.2		0.080		ppb v/v			03/25/20 21:59	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/20 21:59	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/20 21:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/20 21:59	1
1,1-Dichloroethane	1.2		0.080		ppb v/v			03/25/20 21:59	1
1,1-Dichloroethene	0.48		0.040		ppb v/v			03/25/20 21:59	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/20 21:59	1
1,2,4-Trimethylbenzene	0.43		0.080		ppb v/v			03/25/20 21:59	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/20 21:59	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 21:59	1
1,2-Dichloroethane	0.52		0.080		ppb v/v			03/25/20 21:59	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/20 21:59	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/20 21:59	1
1,3,5-Trimethylbenzene	0.11		0.080		ppb v/v			03/25/20 21:59	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/20 21:59	1
1,4-Dichlorobenzene	0.79		0.080		ppb v/v			03/25/20 21:59	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/20 21:59	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/20 21:59	1
2-Butanone	1.3		0.32		ppb v/v			03/25/20 21:59	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/20 21:59	1
Benzene	0.54		0.080		ppb v/v			03/25/20 21:59	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM10-A

Lab Sample ID: 140-18650-7

Date Collected: 03/20/20 16:22

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.16		ppb v/v			03/25/20 21:59	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/20 21:59	1
Bromoform	ND		0.080		ppb v/v			03/25/20 21:59	1
Bromomethane	ND		0.080		ppb v/v			03/25/20 21:59	1
Carbon tetrachloride	0.083		0.032		ppb v/v			03/25/20 21:59	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/20 21:59	1
Chloroethane	ND		0.080		ppb v/v			03/25/20 21:59	1
Chloroform	0.37		0.080		ppb v/v			03/25/20 21:59	1
Chloromethane	1.2		0.20		ppb v/v			03/25/20 21:59	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/20 21:59	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 21:59	1
Cyclohexane	ND		0.20		ppb v/v			03/25/20 21:59	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/20 21:59	1
Dichlorodifluoromethane	0.78		0.080		ppb v/v			03/25/20 21:59	1
Ethanol	760 E		2.0		ppb v/v			03/25/20 21:59	1
Ethylbenzene	0.19		0.080		ppb v/v			03/25/20 21:59	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/20 21:59	1
Hexane	ND		0.20		ppb v/v			03/25/20 21:59	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/20 21:59	1
Methylene Chloride	ND		0.40		ppb v/v			03/25/20 21:59	1
m-Xylene & p-Xylene	0.87		0.080		ppb v/v			03/25/20 21:59	1
Naphthalene	0.28		0.20		ppb v/v			03/25/20 21:59	1
o-Xylene	0.29		0.080		ppb v/v			03/25/20 21:59	1
Styrene	1.8		0.080		ppb v/v			03/25/20 21:59	1
t-Butyl alcohol	0.71		0.32		ppb v/v			03/25/20 21:59	1
Tetrachloroethene	0.29		0.080		ppb v/v			03/25/20 21:59	1
Toluene	1.1		0.12		ppb v/v			03/25/20 21:59	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/20 21:59	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/20 21:59	1
Trichloroethene	0.34		0.036		ppb v/v			03/25/20 21:59	1
Trichlorofluoromethane	0.64		0.080		ppb v/v			03/25/20 21:59	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/20 21:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	39		0.44		ug/m3			03/25/20 21:59	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/20 21:59	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/20 21:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/20 21:59	1
1,1-Dichloroethane	4.9		0.32		ug/m3			03/25/20 21:59	1
1,1-Dichloroethene	1.9		0.16		ug/m3			03/25/20 21:59	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/20 21:59	1
1,2,4-Trimethylbenzene	2.1		0.39		ug/m3			03/25/20 21:59	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/20 21:59	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 21:59	1
1,2-Dichloroethane	2.1		0.32		ug/m3			03/25/20 21:59	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/20 21:59	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/20 21:59	1
1,3,5-Trimethylbenzene	0.54		0.39		ug/m3			03/25/20 21:59	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/20 21:59	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM10-A

Lab Sample ID: 140-18650-7

Date Collected: 03/20/20 16:22

Matrix: Air

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	4.7		0.48		ug/m3			03/25/20 21:59	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/20 21:59	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/20 21:59	1
2-Butanone	3.8		0.94		ug/m3			03/25/20 21:59	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/20 21:59	1
Benzene	1.7		0.26		ug/m3			03/25/20 21:59	1
Benzyl chloride	ND		0.83		ug/m3			03/25/20 21:59	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/20 21:59	1
Bromoform	ND		0.83		ug/m3			03/25/20 21:59	1
Bromomethane	ND		0.31		ug/m3			03/25/20 21:59	1
Carbon tetrachloride	0.52		0.20		ug/m3			03/25/20 21:59	1
Chlorobenzene	ND		0.37		ug/m3			03/25/20 21:59	1
Chloroethane	ND		0.21		ug/m3			03/25/20 21:59	1
Chloroform	1.8		0.39		ug/m3			03/25/20 21:59	1
Chloromethane	2.5		0.41		ug/m3			03/25/20 21:59	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/20 21:59	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 21:59	1
Cyclohexane	ND		0.69		ug/m3			03/25/20 21:59	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/20 21:59	1
Dichlorodifluoromethane	3.9		0.40		ug/m3			03/25/20 21:59	1
Ethanol	1400 E		3.8		ug/m3			03/25/20 21:59	1
Ethylbenzene	0.83		0.35		ug/m3			03/25/20 21:59	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/20 21:59	1
Hexane	ND		0.70		ug/m3			03/25/20 21:59	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/20 21:59	1
Methylene Chloride	ND		1.4		ug/m3			03/25/20 21:59	1
m-Xylene & p-Xylene	3.8		0.35		ug/m3			03/25/20 21:59	1
Naphthalene	1.5		1.0		ug/m3			03/25/20 21:59	1
o-Xylene	1.3		0.35		ug/m3			03/25/20 21:59	1
Styrene	7.7		0.34		ug/m3			03/25/20 21:59	1
t-Butyl alcohol	2.1		0.97		ug/m3			03/25/20 21:59	1
Tetrachloroethene	2.0		0.54		ug/m3			03/25/20 21:59	1
Toluene	4.1		0.45		ug/m3			03/25/20 21:59	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/20 21:59	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/20 21:59	1
Trichloroethene	1.8		0.19		ug/m3			03/25/20 21:59	1
Trichlorofluoromethane	3.6		0.45		ug/m3			03/25/20 21:59	1
Vinyl chloride	ND		0.10		ug/m3			03/25/20 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		60 - 140		03/25/20 21:59	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	2000	D	91		ppb v/v			03/27/20 20:37	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	3700	D	170		ug/m3			03/27/20 20:37	1

Eurofins TestAmerica, Knoxville

SM
7/15/2020

04/03/2020

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18650-1

Client Sample ID: RM10-A

Date Collected: 03/20/20 16:22

Date Received: 03/23/20 09:45

Sample Container: Summa Canister 6L

Lab Sample ID: 140-18650-7

Matrix: Air

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	94		60 - 140		03/27/20 20:37	1

Project: NYSDEC 31 Tonawanda St- Off- Site #C915332,
31 Tonawanda, New York
Laboratory: Eurofins Environment Testing TestAmerica, Knoxville, TN
Sample Delivery Group: 140-18908-1
Fraction: Organic
Matrix: Indoor/ Outdoor Air
Report Date: 7/19/2020

This data usability summary report is based upon a review of analytical data generated for indoor and outdoor air samples. One field duplicate sample was submitted with the samples for this Sample Delivery Group. The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures outlined in EPA Method TO-15 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999.

All sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the USEPA Region II "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15", SOP No. HW-31, revision 6, September 2016. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Sample Integrity/Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
	•	Surrogate Compound Recoveries
	•	Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
X	•	Field Duplicate Analysis Results
X	•	Laboratory Control Sample Results
X	•	Internal Standard Performance
X	•	Canister Certification
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers
President

July 19, 2020
Date

1.0

DATA COMPLETENESS

The NYSDEC ASP Category B deliverable data were provided by the laboratory.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody documentation was complete.

The samples were received in acceptable condition.

3.0 SAMPLE INTEGRITY/HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs \leq 30 percent) was exceeded for the following continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect results for these compounds not previously qualified from the associated initial calibration in the samples have been marked "UJ" to indicate that they are quantitative estimates.

Calibration Standard	Analyte	%Difference	Associated Samples
CCVIS 140-39252/2 (File ID GCCVD24.D)	Chloromethane	30.9	RM 8-SS, RM 8-A, DUP-042020, HALL 1-SS, HALL 1-A, RM 5-SS, GRG 1-SS, OFC 2-SS, OFC 2-A Air 04
	1,2,4-Trichlorobenzene	-31.8	
	Hexachlorobutadiene	-30.5	
CCVIS 140-39254/7 (File ID RCCVD27A.D)	Dichlorodifluoromethane	61.7	RM 6-SS, RM 6-A, RM 12-SS, UTL 1-SS
	1,2-	142.9	
	Dichlorotetrafluoroethane	34.3	
	Benzyl chloride		

6.0 *LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

No compounds were detected in the associated laboratory method blank.

Trip blanks and field blanks were not submitted with the samples. This should be noted when assessing the data.

7.0 *SURROGATE COMPOUNDS*

This parameter is not applicable to the analyses completed.

8.0 *MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

This parameter is not applicable to the analyses completed.

9.0 *FIELD DUPLICATE RESULTS*

Duplicate samples RM 6-A and DUP-042020 were submitted to the laboratory to evaluate sampling and analytical precision for those organic compounds determined to be present. Results for these duplicate samples are presented in Table 2. The results for trichlorofluoromethane for the duplicate samples exceeded a relative percent difference criterion of 50 %. Based on professional judgement, use of the higher concentration reported for the compound is recommended.

10.0 *LABORATORY CONTROL SAMPLE RESULTS*

The following table summarizes the volatile laboratory control sample (LCS) results that did not meet the indicated acceptance limits:

Compound	LCS (140-39254/1007) %REC	QC Limits
1,2-Dichlorotetrafluoroethane	243	60-140
Benzyl chloride	134	70-130
Dichlorodifluoromethane	162	60-140

The unacceptable recoveries for the above compounds suggest inefficiencies with the analytical processes. Samples RM 6-SS, RM 6-A, RM 12-SS, and UTL 1-SS were associated with the unacceptable LCS. The results for the compounds were qualified previously due to calibrations.

11.0 INTERNAL STANDARD PERFORMANCE

All criteria were met. No qualifiers were applied.

12.0 CANISTER CERTIFICATION

All criteria were met. No qualifiers were applied.

13.0 QUALITATIVE IDENTIFICATION

All criteria were met. No qualifiers were applied.

14.0 QUANTITATION/REPORTING LIMITS

Table 3 presents samples analyzed at dilutions for volatile organic compounds. The dilution analyses were performed because of suspected high concentrations of target compounds and/or interferences. RLs are elevated by the dilution factor have resulted for those compounds that were not detected. This should be noted when assessing the data.

The samples presented below were re-analyzed at dilutions for volatile organic compounds. The samples were re-analyzed because the responses for compounds exceeded the linear range of the GC/ MS instrument. The results for these compounds have been reported from the dilution analyses. All other results are reported from the initial analyses.

Sample	Dilution Factor	Results Exceeding the Linear Range
RM 8-SS	33.9	1,1,1-Trichloroethane, Ethanol
RM 6-SS	8322.36	Trichlorofluoromethane
HALL 1-SS	25.0	Ethanol
RM 5-SS	25.0	Ethanol
RM 12A	12.5	Ethanol
UTL 1-A	25.0	Ethanol
GRG 1-SS	25.0	Ethanol
OFC 2-SS	25.0	Ethanol

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method TO-15, "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

Table 1 Data Usability Summary Report
 NYSDEC 31 Tonawanda St- Off- Site #C915332
 31 Tonawanda, New York
 Indoor/ Outdoor Air Sampling
 Test America Job ID 140-18908-1

					Analyses Performed
Sample ID	Lab ID		Collection Date	Matrix	VOC
RM 8-SS	140-18908	1	4/20/2020	Soil Vapor	X
RM 8-A	140-18908	2	4/20/2020	Soil Vapor	X
RM 6-SS	140-18908	3	4/20/2020	Soil Vapor	X
RM 6-A	140-18908	4	4/20/2020	Soil Vapor	X
DUP-042020	140-18908	5	4/20/2020	Soil Vapor	X
HALL 1-SS	140-18908	6	4/20/2020	Soil Vapor	X
OUT 1-A	140-18908	7	4/20/2020	Soil Vapor	X
HALL 1-A	140-18908	8	4/20/2020	Soil Vapor	X
RM 5-SS	140-18908	9	4/20/2020	Soil Vapor	X
RM 12-SS	140-18908	10	4/20/2020	Soil Vapor	X
RM 12A	140-18908	11	4/20/2020	Soil Vapor	X
UTL 1-SS	140-18908	12	4/20/2020	Soil Vapor	X
UTL 1-A	140-18908	13	4/20/2020	Soil Vapor	X
GRG 1-SS	140-18908	14	4/20/2020	Soil Vapor	X
OFC 2-SS	140-18908	15	4/20/2020	Soil Vapor	X
OFC 2-A Air 04	140-18908	16	4/20/2020	Soil Vapor	X

Table 2 **Field Duplicate Sample Results for Organic Analyses**
Indoor/ Outdoor Air Samples RM6-A and DUP-042020

0 Compound	Sample Result (µg/m ³)	Field Duplicate Result (µg/m ³)	RPD	
	RM6-A	DUP-042020		
1,1,1-Trichloroethane	44	46	4	
Ethanol	1700	1600	6	
Trichlorofluoromethane	1400	34	191	*

The field duplicate precision criterion was exceeded for this compound.

Table 3 Samples Analyzed at Dilutions

Sample ID	DF
RM 8-SS	21.175
RM 8-A	16.66667
RM 6-SS	5427
RM 6-A	25.0
DUP-042020	25.0
HALL 1-SS	10.0
OUT 1-A	0.671141
HALL 1-A	10.0
RM 5-SS	10.0
RM 12-SS	127.125
RM 12A	10.0
UTL 1-SS	140
UTL 1-A	10.0
GRG 1-SS	10.0
OFC 2-SS	10.0
OFC 2-A Air 04	10.0

Data Validation Qualifier Code Glossary

- J - The positive result reported for this analyte is a quantitative estimate.**
- J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.**
- J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.**
- U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.**
- UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.**
- N - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.**
- Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.**
- R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.**

Other Codes:

- ND - There were no positive results for this analytical fraction.**
- NA - This parameter is not applicable to this sample.**
- NR - This analysis parameter was not required for this sample.**

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 8-SS

Lab Sample ID: 140-18908-1

Date Collected: 04/20/20 15:35

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	470	E	0.68		ppb v/v			04/24/20 11:32	3.39
1,1,2,2-Tetrachloroethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,1,2-Trichloroethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,1,2-Trichlorotrifluoroethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,1-Dichloroethane	9.0		0.68		ppb v/v			04/24/20 11:32	3.39
1,1-Dichloroethene	0.73		0.34		ppb v/v			04/24/20 11:32	3.39
1,2,4-Trichlorobenzene	ND	UJ	0.68		ppb v/v			04/24/20 11:32	3.39
1,2,4-Trimethylbenzene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,2-Dibromoethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,2-Dichlorobenzene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,2-Dichloroethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,2-Dichloropropane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,2-Dichlorotetrafluoroethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,3,5-Trimethylbenzene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,3-Dichlorobenzene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,4-Dichlorobenzene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
1,4-Dioxane	ND		1.7		ppb v/v			04/24/20 11:32	3.39
2,2,4-Trimethylpentane	ND		1.7		ppb v/v			04/24/20 11:32	3.39
2-Butanone	ND		2.7		ppb v/v			04/24/20 11:32	3.39
4-Methyl-2-pentanone (MIBK)	ND		1.7		ppb v/v			04/24/20 11:32	3.39
Benzene	2.0		0.68		ppb v/v			04/24/20 11:32	3.39
Benzyl chloride	ND		1.4		ppb v/v			04/24/20 11:32	3.39
Bromodichloromethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Bromoform	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Bromomethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Carbon tetrachloride	ND		0.27		ppb v/v			04/24/20 11:32	3.39
Chlorobenzene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Chloroethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Chloroform	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Chloromethane	ND	UJ	1.7		ppb v/v			04/24/20 11:32	3.39
cis-1,2-Dichloroethene	ND		0.34		ppb v/v			04/24/20 11:32	3.39
cis-1,3-Dichloropropene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Cyclohexane	3.9		1.7		ppb v/v			04/24/20 11:32	3.39
Dibromochloromethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Dichlorodifluoromethane	33		0.68		ppb v/v			04/24/20 11:32	3.39
Ethanol	860	E	17		ppb v/v			04/24/20 11:32	3.39
Ethylbenzene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Hexachlorobutadiene	ND	UJ	0.68		ppb v/v			04/24/20 11:32	3.39
Hexane	8.4		1.7		ppb v/v			04/24/20 11:32	3.39
Methyl tert-butyl ether	ND		1.4		ppb v/v			04/24/20 11:32	3.39
Methylene Chloride	ND		3.4		ppb v/v			04/24/20 11:32	3.39
m-Xylene & p-Xylene	1.2		0.68		ppb v/v			04/24/20 11:32	3.39
Naphthalene	ND		1.7		ppb v/v			04/24/20 11:32	3.39
o-Xylene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Styrene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
t-Butyl alcohol	3.8		2.7		ppb v/v			04/24/20 11:32	3.39
Tetrachloroethene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Toluene	3.4		1.0		ppb v/v			04/24/20 11:32	3.39

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 8-SS

Lab Sample ID: 140-18908-1

Date Collected: 04/20/20 15:35

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
trans-1,3-Dichloropropene	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Trichloroethene	0.45		0.31		ppb v/v			04/24/20 11:32	3.39
Trichlorofluoromethane	ND		0.68		ppb v/v			04/24/20 11:32	3.39
Vinyl chloride	ND		0.34		ppb v/v			04/24/20 11:32	3.39
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	900 E		3.7		ug/m3			04/24/20 11:32	3.39
1,1,2,2-Tetrachloroethane	ND		4.7		ug/m3			04/24/20 11:32	3.39
1,1,2-Trichloroethane	ND		3.7		ug/m3			04/24/20 11:32	3.39
1,1,2-Trichlorotrifluoroethane	ND		5.2		ug/m3			04/24/20 11:32	3.39
1,1-Dichloroethane	37		2.7		ug/m3			04/24/20 11:32	3.39
1,1-Dichloroethene	2.9		1.3		ug/m3			04/24/20 11:32	3.39
1,2,4-Trichlorobenzene	ND UJ		5.0		ug/m3			04/24/20 11:32	3.39 cc
1,2,4-Trimethylbenzene	ND		3.3		ug/m3			04/24/20 11:32	3.39
1,2-Dibromoethane	ND		5.2		ug/m3			04/24/20 11:32	3.39
1,2-Dichlorobenzene	ND		4.1		ug/m3			04/24/20 11:32	3.39
1,2-Dichloroethane	ND		2.7		ug/m3			04/24/20 11:32	3.39
1,2-Dichloropropane	ND		3.1		ug/m3			04/24/20 11:32	3.39
1,2-Dichlorotetrafluoroethane	ND		4.7		ug/m3			04/24/20 11:32	3.39
1,3,5-Trimethylbenzene	ND		3.3		ug/m3			04/24/20 11:32	3.39
1,3-Dichlorobenzene	ND		4.1		ug/m3			04/24/20 11:32	3.39
1,4-Dichlorobenzene	ND		4.1		ug/m3			04/24/20 11:32	3.39
1,4-Dioxane	ND		6.1		ug/m3			04/24/20 11:32	3.39
2,2,4-Trimethylpentane	ND		7.9		ug/m3			04/24/20 11:32	3.39
2-Butanone	ND		8.0		ug/m3			04/24/20 11:32	3.39
4-Methyl-2-pentanone (MIBK)	ND		6.9		ug/m3			04/24/20 11:32	3.39
Benzene	6.3		2.2		ug/m3			04/24/20 11:32	3.39
Benzyl chloride	ND		7.0		ug/m3			04/24/20 11:32	3.39
Bromodichloromethane	ND		4.5		ug/m3			04/24/20 11:32	3.39
Bromoform	ND		7.0		ug/m3			04/24/20 11:32	3.39
Bromomethane	ND		2.6		ug/m3			04/24/20 11:32	3.39
Carbon tetrachloride	ND		1.7		ug/m3			04/24/20 11:32	3.39
Chlorobenzene	ND		3.1		ug/m3			04/24/20 11:32	3.39
Chloroethane	ND		1.8		ug/m3			04/24/20 11:32	3.39
Chloroform	ND		3.3		ug/m3			04/24/20 11:32	3.39
Chloromethane	ND UJ		3.5		ug/m3			04/24/20 11:32	3.39 cc
cis-1,2-Dichloroethene	ND		1.3		ug/m3			04/24/20 11:32	3.39
cis-1,3-Dichloropropene	ND		3.1		ug/m3			04/24/20 11:32	3.39
Cyclohexane	13		5.8		ug/m3			04/24/20 11:32	3.39
Dibromochloromethane	ND		5.8		ug/m3			04/24/20 11:32	3.39
Dichlorodifluoromethane	160		3.4		ug/m3			04/24/20 11:32	3.39
Ethanol	1600 E		32		ug/m3			04/24/20 11:32	3.39
Ethylbenzene	ND		2.9		ug/m3			04/24/20 11:32	3.39
Hexachlorobutadiene	ND UJ		7.2		ug/m3			04/24/20 11:32	3.39 cc
Hexane	29		6.0		ug/m3			04/24/20 11:32	3.39
Methyl tert-butyl ether	ND		4.9		ug/m3			04/24/20 11:32	3.39
Methylene Chloride	ND		12		ug/m3			04/24/20 11:32	3.39
m-Xylene & p-Xylene	5.1		2.9		ug/m3			04/24/20 11:32	3.39

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 8-SS

Lab Sample ID: 140-18908-1

Date Collected: 04/20/20 15:35

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		8.9		ug/m3			04/24/20 11:32	3.39
o-Xylene	ND		2.9		ug/m3			04/24/20 11:32	3.39
Styrene	ND		2.9		ug/m3			04/24/20 11:32	3.39
t-Butyl alcohol	12		8.2		ug/m3			04/24/20 11:32	3.39
Tetrachloroethene	ND		4.6		ug/m3			04/24/20 11:32	3.39
Toluene	13		3.8		ug/m3			04/24/20 11:32	3.39
trans-1,2-Dichloroethene	ND		2.7		ug/m3			04/24/20 11:32	3.39
trans-1,3-Dichloropropene	ND		3.1		ug/m3			04/24/20 11:32	3.39
Trichloroethene	2.4		1.6		ug/m3			04/24/20 11:32	3.39
Trichlorofluoromethane	ND		3.8		ug/m3			04/24/20 11:32	3.39
Vinyl chloride	ND		0.87		ug/m3			04/24/20 11:32	3.39

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140		04/24/20 11:32	3.39

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	170	D	2.7		ppb v/v			04/27/20 13:51	3.39
Ethanol	770	D	68		ppb v/v			04/27/20 13:51	3.39
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	920	D	15		ug/m3			04/27/20 13:51	3.39
Ethanol	1500	D	130		ug/m3			04/27/20 13:51	3.39
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		60 - 140					04/27/20 13:51	3.39

SMK
7/15/2020

Client Sample ID: RM 8-A

Lab Sample ID: 140-18908-2

Date Collected: 04/20/20 15:30

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8		1.3		ppb v/v			04/24/20 12:16	1
1,1,2,2-Tetrachloroethane	ND		1.3		ppb v/v			04/24/20 12:16	1
1,1,2-Trichloroethane	ND		1.3		ppb v/v			04/24/20 12:16	1
1,1,2-Trichlorotrifluoroethane	ND		1.3		ppb v/v			04/24/20 12:16	1
1,1-Dichloroethane	ND		1.3		ppb v/v			04/24/20 12:16	1
1,1-Dichloroethene	ND		0.67		ppb v/v			04/24/20 12:16	1
1,2,4-Trichlorobenzene	ND		1.3		ppb v/v			04/24/20 12:16	ack 1
1,2,4-Trimethylbenzene	ND		1.3		ppb v/v			04/24/20 12:16	1
1,2-Dibromoethane	ND		1.3		ppb v/v			04/24/20 12:16	1
1,2-Dichlorobenzene	ND		1.3		ppb v/v			04/24/20 12:16	1
1,2-Dichloroethane	ND		1.3		ppb v/v			04/24/20 12:16	1
1,2-Dichloropropane	ND		1.3		ppb v/v			04/24/20 12:16	1
1,2-Dichlorotetrafluoroethane	ND		1.3		ppb v/v			04/24/20 12:16	1
1,3,5-Trimethylbenzene	ND		1.3		ppb v/v			04/24/20 12:16	1
1,3-Dichlorobenzene	ND		1.3		ppb v/v			04/24/20 12:16	1
1,4-Dichlorobenzene	ND		1.3		ppb v/v			04/24/20 12:16	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 8-A

Lab Sample ID: 140-18908-2

Date Collected: 04/20/20 15:30

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		3.3		ppb v/v			04/24/20 12:16	1
2,2,4-Trimethylpentane	ND		3.3		ppb v/v			04/24/20 12:16	1
2-Butanone	ND		5.3		ppb v/v			04/24/20 12:16	1
4-Methyl-2-pentanone (MIBK)	ND		3.3		ppb v/v			04/24/20 12:16	1
Benzene	ND		1.3		ppb v/v			04/24/20 12:16	1
Benzyl chloride	ND		2.7		ppb v/v			04/24/20 12:16	1
Bromodichloromethane	ND		1.3		ppb v/v			04/24/20 12:16	1
Bromoform	ND		1.3		ppb v/v			04/24/20 12:16	1
Bromomethane	ND		1.3		ppb v/v			04/24/20 12:16	1
Carbon tetrachloride	ND		0.53		ppb v/v			04/24/20 12:16	1
Chlorobenzene	ND		1.3		ppb v/v			04/24/20 12:16	1
Chloroethane	ND		1.3		ppb v/v			04/24/20 12:16	1
Chloroform	ND		1.3		ppb v/v			04/24/20 12:16	1
Chloromethane	ND		3.3		ppb v/v			04/24/20 12:16	1
cis-1,2-Dichloroethene	ND		0.67		ppb v/v			04/24/20 12:16	1
cis-1,3-Dichloropropene	ND		1.3		ppb v/v			04/24/20 12:16	1
Cyclohexane	ND		3.3		ppb v/v			04/24/20 12:16	1
Dibromochloromethane	ND		1.3		ppb v/v			04/24/20 12:16	1
Dichlorodifluoromethane	ND		1.3		ppb v/v			04/24/20 12:16	1
Ethanol	550		33		ppb v/v			04/24/20 12:16	1
Ethylbenzene	ND		1.3		ppb v/v			04/24/20 12:16	1
Hexachlorobutadiene	ND		1.3		ppb v/v			04/24/20 12:16	1
Hexane	ND		3.3		ppb v/v			04/24/20 12:16	1
Methyl tert-butyl ether	ND		2.7		ppb v/v			04/24/20 12:16	1
Methylene Chloride	ND		6.7		ppb v/v			04/24/20 12:16	1
m-Xylene & p-Xylene	ND		1.3		ppb v/v			04/24/20 12:16	1
Naphthalene	ND		3.3		ppb v/v			04/24/20 12:16	1
o-Xylene	ND		1.3		ppb v/v			04/24/20 12:16	1
Styrene	ND		1.3		ppb v/v			04/24/20 12:16	1
t-Butyl alcohol	ND		5.3		ppb v/v			04/24/20 12:16	1
Tetrachloroethene	ND		1.3		ppb v/v			04/24/20 12:16	1
Toluene	ND		2.0		ppb v/v			04/24/20 12:16	1
trans-1,2-Dichloroethene	ND		1.3		ppb v/v			04/24/20 12:16	1
trans-1,3-Dichloropropene	ND		1.3		ppb v/v			04/24/20 12:16	1
Trichloroethene	ND		0.60		ppb v/v			04/24/20 12:16	1
Trichlorofluoromethane	9.7		1.3		ppb v/v			04/24/20 12:16	1
Vinyl chloride	ND		0.67		ppb v/v			04/24/20 12:16	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	26		7.3		ug/m3			04/24/20 12:16	1
1,1,2,2-Tetrachloroethane	ND		9.2		ug/m3			04/24/20 12:16	1
1,1,2-Trichloroethane	ND		7.3		ug/m3			04/24/20 12:16	1
1,1,2-Trichlorotrifluoroethane	ND		10		ug/m3			04/24/20 12:16	1
1,1-Dichloroethane	ND		5.4		ug/m3			04/24/20 12:16	1
1,1-Dichloroethene	ND		2.6		ug/m3			04/24/20 12:16	1
1,2,4-Trichlorobenzene	ND		9.9		ug/m3			04/24/20 12:16	1
1,2,4-Trimethylbenzene	ND		6.6		ug/m3			04/24/20 12:16	1
1,2-Dibromoethane	ND		10		ug/m3			04/24/20 12:16	1
1,2-Dichlorobenzene	ND		8.0		ug/m3			04/24/20 12:16	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 8-A

Lab Sample ID: 140-18908-2

Date Collected: 04/20/20 15:30

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.4		ug/m3			04/24/20 12:16	1
1,2-Dichloropropane	ND		6.2		ug/m3			04/24/20 12:16	1
1,2-Dichlorotetrafluoroethane	ND		9.3		ug/m3			04/24/20 12:16	1
1,3,5-Trimethylbenzene	ND		6.6		ug/m3			04/24/20 12:16	1
1,3-Dichlorobenzene	ND		8.0		ug/m3			04/24/20 12:16	1
1,4-Dichlorobenzene	ND		8.0		ug/m3			04/24/20 12:16	1
1,4-Dioxane	ND		12		ug/m3			04/24/20 12:16	1
2,2,4-Trimethylpentane	ND		16		ug/m3			04/24/20 12:16	1
2-Butanone	ND		16		ug/m3			04/24/20 12:16	1
4-Methyl-2-pentanone (MIBK)	ND		14		ug/m3			04/24/20 12:16	1
Benzene	ND		4.3		ug/m3			04/24/20 12:16	1
Benzyl chloride	ND		14		ug/m3			04/24/20 12:16	1
Bromodichloromethane	ND		8.9		ug/m3			04/24/20 12:16	1
Bromoform	ND		14		ug/m3			04/24/20 12:16	1
Bromomethane	ND		5.2		ug/m3			04/24/20 12:16	1
Carbon tetrachloride	ND		3.4		ug/m3			04/24/20 12:16	1
Chlorobenzene	ND		6.1		ug/m3			04/24/20 12:16	1
Chloroethane	ND		3.5		ug/m3			04/24/20 12:16	1
Chloroform	ND		6.5		ug/m3			04/24/20 12:16	1
Chloromethane	ND		6.9		ug/m3			04/24/20 12:16	1
cis-1,2-Dichloroethene	ND		2.6		ug/m3			04/24/20 12:16	1
cis-1,3-Dichloropropene	ND		6.1		ug/m3			04/24/20 12:16	1
Cyclohexane	ND		11		ug/m3			04/24/20 12:16	1
Dibromochloromethane	ND		11		ug/m3			04/24/20 12:16	1
Dichlorodifluoromethane	ND		6.6		ug/m3			04/24/20 12:16	1
Ethanol	1000		63		ug/m3			04/24/20 12:16	1
Ethylbenzene	ND		5.8		ug/m3			04/24/20 12:16	1
Hexachlorobutadiene	ND		14		ug/m3			04/24/20 12:16	1
Hexane	ND		12		ug/m3			04/24/20 12:16	1
Methyl tert-butyl ether	ND		9.6		ug/m3			04/24/20 12:16	1
Methylene Chloride	ND		23		ug/m3			04/24/20 12:16	1
m-Xylene & p-Xylene	ND		5.8		ug/m3			04/24/20 12:16	1
Naphthalene	ND		17		ug/m3			04/24/20 12:16	1
o-Xylene	ND		5.8		ug/m3			04/24/20 12:16	1
Styrene	ND		5.7		ug/m3			04/24/20 12:16	1
t-Butyl alcohol	ND		16		ug/m3			04/24/20 12:16	1
Tetrachloroethene	ND		9.0		ug/m3			04/24/20 12:16	1
Toluene	ND		7.5		ug/m3			04/24/20 12:16	1
trans-1,2-Dichloroethene	ND		5.3		ug/m3			04/24/20 12:16	1
trans-1,3-Dichloropropene	ND		6.1		ug/m3			04/24/20 12:16	1
Trichloroethene	ND		3.2		ug/m3			04/24/20 12:16	1
Trichlorofluoromethane	54		7.5		ug/m3			04/24/20 12:16	1
Vinyl chloride	ND		1.7		ug/m3			04/24/20 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		60 - 140		04/24/20 12:16	1

SMK
7/15/2020
Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 6-SS

Lab Sample ID: 140-18908-3

Date Collected: 04/20/20 15:40

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,1,2,2-Tetrachloroethane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,1,2-Trichloroethane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,1,2-Trichlorotrifluoroethane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,1-Dichloroethane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,1-Dichloroethene	ND		220		ppb v/v			04/27/20 14:38	108.54
1,2,4-Trichlorobenzene	ND		430		ppb v/v			04/27/20 14:38	108.54
1,2,4-Trimethylbenzene	ND		430		ppb v/v			04/27/20 14:38	108.54
1,2-Dibromoethane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,2-Dichlorobenzene	ND		430		ppb v/v			04/27/20 14:38	108.54
1,2-Dichloroethane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,2-Dichloropropane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,2-Dichlorotetrafluoroethane	ND		430		ppb v/v			04/27/20 14:38	108.54
1,3,5-Trimethylbenzene	ND		430		ppb v/v			04/27/20 14:38	108.54
1,3-Dichlorobenzene	ND		430		ppb v/v			04/27/20 14:38	108.54
1,4-Dichlorobenzene	ND		430		ppb v/v			04/27/20 14:38	108.54
1,4-Dioxane	ND		1100		ppb v/v			04/27/20 14:38	108.54
2,2,4-Trimethylpentane	ND		1100		ppb v/v			04/27/20 14:38	108.54
2-Butanone	ND		1700		ppb v/v			04/27/20 14:38	108.54
4-Methyl-2-pentanone (MIBK)	ND		1100		ppb v/v			04/27/20 14:38	108.54
Benzene	ND		430		ppb v/v			04/27/20 14:38	108.54
Benzyl chloride	ND		870		ppb v/v			04/27/20 14:38	108.54
Bromodichloromethane	ND		430		ppb v/v			04/27/20 14:38	108.54
Bromoform	ND		430		ppb v/v			04/27/20 14:38	108.54
Bromomethane	ND		430		ppb v/v			04/27/20 14:38	108.54
Carbon tetrachloride	ND		170		ppb v/v			04/27/20 14:38	108.54
Chlorobenzene	ND		430		ppb v/v			04/27/20 14:38	108.54
Chloroethane	ND		430		ppb v/v			04/27/20 14:38	108.54
Chloroform	ND		430		ppb v/v			04/27/20 14:38	108.54
Chloromethane	ND		1100		ppb v/v			04/27/20 14:38	108.54
cis-1,2-Dichloroethene	ND		220		ppb v/v			04/27/20 14:38	108.54
cis-1,3-Dichloropropene	ND		430		ppb v/v			04/27/20 14:38	108.54
Cyclohexane	ND		1100		ppb v/v			04/27/20 14:38	108.54
Dibromochloromethane	ND		430		ppb v/v			04/27/20 14:38	108.54
Dichlorodifluoromethane	ND		430		ppb v/v			04/27/20 14:38	108.54
Ethanol	ND		11000		ppb v/v			04/27/20 14:38	108.54
Ethylbenzene	ND		430		ppb v/v			04/27/20 14:38	108.54
Hexachlorobutadiene	ND		430		ppb v/v			04/27/20 14:38	108.54
Hexane	ND		1100		ppb v/v			04/27/20 14:38	108.54
Methyl tert-butyl ether	ND		870		ppb v/v			04/27/20 14:38	108.54
Methylene Chloride	ND		2200		ppb v/v			04/27/20 14:38	108.54
m-Xylene & p-Xylene	ND		430		ppb v/v			04/27/20 14:38	108.54
Naphthalene	ND		1100		ppb v/v			04/27/20 14:38	108.54
o-Xylene	ND		430		ppb v/v			04/27/20 14:38	108.54
Styrene	ND		430		ppb v/v			04/27/20 14:38	108.54
t-Butyl alcohol	ND		1700		ppb v/v			04/27/20 14:38	108.54
Tetrachloroethene	ND		430		ppb v/v			04/27/20 14:38	108.54
Toluene	ND		650		ppb v/v			04/27/20 14:38	108.54

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 6-SS

Lab Sample ID: 140-18908-3

Date Collected: 04/20/20 15:40

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		430		ppb v/v			04/27/20 14:38	108.54
trans-1,3-Dichloropropene	ND		430		ppb v/v			04/27/20 14:38	108.54
Trichloroethene	ND		200		ppb v/v			04/27/20 14:38	108.54
Trichlorofluoromethane	560000 E		430		ppb v/v			04/27/20 14:38	108.54
Vinyl chloride	ND		220		ppb v/v			04/27/20 14:38	108.54

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2400		ug/m3			04/27/20 14:38	108.54
1,1,2,2-Tetrachloroethane	ND		3000		ug/m3			04/27/20 14:38	108.54
1,1,2-Trichloroethane	ND		2400		ug/m3			04/27/20 14:38	108.54
1,1,2-Trichlorotrifluoroethane	ND		3300		ug/m3			04/27/20 14:38	108.54
1,1-Dichloroethane	ND		1800		ug/m3			04/27/20 14:38	108.54
1,1-Dichloroethene	ND		860		ug/m3			04/27/20 14:38	108.54
1,2,4-Trichlorobenzene	ND		3200		ug/m3			04/27/20 14:38	108.54
1,2,4-Trimethylbenzene	ND		2100		ug/m3			04/27/20 14:38	108.54
1,2-Dibromoethane	ND		3300		ug/m3			04/27/20 14:38	108.54
1,2-Dichlorobenzene	ND		2600		ug/m3			04/27/20 14:38	108.54
1,2-Dichloroethane	ND		1800		ug/m3			04/27/20 14:38	108.54
1,2-Dichloropropane	ND		2000		ug/m3			04/27/20 14:38	108.54
1,2-Dichlorotetrafluoroethane	ND		3000		ug/m3			04/27/20 14:38	108.54
1,3,5-Trimethylbenzene	ND		2100		ug/m3			04/27/20 14:38	108.54
1,3-Dichlorobenzene	ND		2600		ug/m3			04/27/20 14:38	108.54
1,4-Dichlorobenzene	ND		2600		ug/m3			04/27/20 14:38	108.54
1,4-Dioxane	ND		3900		ug/m3			04/27/20 14:38	108.54
2,2,4-Trimethylpentane	ND		5100		ug/m3			04/27/20 14:38	108.54
2-Butanone	ND		5100		ug/m3			04/27/20 14:38	108.54
4-Methyl-2-pentanone (MIBK)	ND		4400		ug/m3			04/27/20 14:38	108.54
Benzene	ND		1400		ug/m3			04/27/20 14:38	108.54
Benzyl chloride	ND		4500		ug/m3			04/27/20 14:38	108.54
Bromodichloromethane	ND		2900		ug/m3			04/27/20 14:38	108.54
Bromoform	ND		4500		ug/m3			04/27/20 14:38	108.54
Bromomethane	ND		1700		ug/m3			04/27/20 14:38	108.54
Carbon tetrachloride	ND		1100		ug/m3			04/27/20 14:38	108.54
Chlorobenzene	ND		2000		ug/m3			04/27/20 14:38	108.54
Chloroethane	ND		1100		ug/m3			04/27/20 14:38	108.54
Chloroform	ND		2100		ug/m3			04/27/20 14:38	108.54
Chloromethane	ND		2200		ug/m3			04/27/20 14:38	108.54
cis-1,2-Dichloroethene	ND		860		ug/m3			04/27/20 14:38	108.54
cis-1,3-Dichloropropene	ND		2000		ug/m3			04/27/20 14:38	108.54
Cyclohexane	ND		3700		ug/m3			04/27/20 14:38	108.54
Dibromochloromethane	ND		3700		ug/m3			04/27/20 14:38	108.54
Dichlorodifluoromethane	ND		2100		ug/m3			04/27/20 14:38	108.54
Ethanol	ND		20000		ug/m3			04/27/20 14:38	108.54
Ethylbenzene	ND		1900		ug/m3			04/27/20 14:38	108.54
Hexachlorobutadiene	ND		4600		ug/m3			04/27/20 14:38	108.54
Hexane	ND		3800		ug/m3			04/27/20 14:38	108.54
Methyl tert-butyl ether	ND		3100		ug/m3			04/27/20 14:38	108.54
Methylene Chloride	ND		7500		ug/m3			04/27/20 14:38	108.54
m-Xylene & p-Xylene	ND		1900		ug/m3			04/27/20 14:38	108.54

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 6-SS

Lab Sample ID: 140-18908-3

Date Collected: 04/20/20 15:40

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5700		ug/m3			04/27/20 14:38	108.54
o-Xylene	ND		1900		ug/m3			04/27/20 14:38	108.54
Styrene	ND		1800		ug/m3			04/27/20 14:38	108.54
t-Butyl alcohol	ND		5300		ug/m3			04/27/20 14:38	108.54
Tetrachloroethene	ND		2900		ug/m3			04/27/20 14:38	108.54
Toluene	ND		2500		ug/m3			04/27/20 14:38	108.54
trans-1,2-Dichloroethene	ND		1700		ug/m3			04/27/20 14:38	108.54
trans-1,3-Dichloropropene	ND		2000		ug/m3			04/27/20 14:38	108.54
Trichloroethene	ND		1000		ug/m3			04/27/20 14:38	108.54
Trichlorofluoromethane	3200000 E		2400		ug/m3			04/27/20 14:38	108.54
Vinyl chloride	ND		550		ug/m3			04/27/20 14:38	108.54

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		60 - 140		04/27/20 14:38	108.54

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	380000	D	33000		ppb v/v			04/28/20 14:05	8322.36

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	2100000	D	190000		ug/m3			04/28/20 14:05	8322.36

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		60 - 140		04/28/20 14:05	8322.36

SNK
7/15/2020

Client Sample ID: RM 6-A

Lab Sample ID: 140-18908-4

Date Collected: 04/20/20 16:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.0		2.0		ppb v/v			04/27/20 15:26	1
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			04/27/20 15:26	1
1,1,2-Trichloroethane	ND		2.0		ppb v/v			04/27/20 15:26	1
1,1,2-Trichlorotrifluoroethane	ND		2.0		ppb v/v			04/27/20 15:26	1
1,1-Dichloroethane	ND		2.0		ppb v/v			04/27/20 15:26	1
1,1-Dichloroethene	ND		1.0		ppb v/v			04/27/20 15:26	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			04/27/20 15:26	1
1,2,4-Trimethylbenzene	ND		2.0		ppb v/v			04/27/20 15:26	1
1,2-Dibromoethane	ND		2.0		ppb v/v			04/27/20 15:26	1
1,2-Dichlorobenzene	ND		2.0		ppb v/v			04/27/20 15:26	1
1,2-Dichloroethane	ND		2.0		ppb v/v			04/27/20 15:26	1
1,2-Dichloropropane	ND		2.0		ppb v/v			04/27/20 15:26	1
1,2-Dichlorotetrafluoroethane	ND		2.0		ppb v/v			04/27/20 15:26	1
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			04/27/20 15:26	1
1,3-Dichlorobenzene	ND		2.0		ppb v/v			04/27/20 15:26	1
1,4-Dichlorobenzene	ND		2.0		ppb v/v			04/27/20 15:26	1
1,4-Dioxane	ND		5.0		ppb v/v			04/27/20 15:26	1
2,2,4-Trimethylpentane	ND		5.0		ppb v/v			04/27/20 15:26	1

ND HWT

CC4

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 6-A

Lab Sample ID: 140-18908-4

Date Collected: 04/20/20 16:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		8.0		ppb v/v			04/27/20 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ppb v/v			04/27/20 15:26	1
Benzene	ND		2.0		ppb v/v			04/27/20 15:26	1
Benzyl chloride	ND / <i>uJ</i>		4.0		ppb v/v			04/27/20 15:26	<i>caH</i> 1
Bromodichloromethane	ND		2.0		ppb v/v			04/27/20 15:26	1
Bromoform	ND		2.0		ppb v/v			04/27/20 15:26	1
Bromomethane	ND		2.0		ppb v/v			04/27/20 15:26	1
Carbon tetrachloride	ND		0.80		ppb v/v			04/27/20 15:26	1
Chlorobenzene	ND		2.0		ppb v/v			04/27/20 15:26	1
Chloroethane	ND		2.0		ppb v/v			04/27/20 15:26	1
Chloroform	ND		2.0		ppb v/v			04/27/20 15:26	1
Chloromethane	ND		5.0		ppb v/v			04/27/20 15:26	1
cis-1,2-Dichloroethene	ND		1.0		ppb v/v			04/27/20 15:26	1
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			04/27/20 15:26	1
Cyclohexane	ND		5.0		ppb v/v			04/27/20 15:26	1
Dibromochloromethane	ND		2.0		ppb v/v			04/27/20 15:26	1
Dichlorodifluoromethane	ND / <i>uJ</i>		2.0		ppb v/v			04/27/20 15:26	<i>caH</i> 1
Ethanol	920		50		ppb v/v			04/27/20 15:26	1
Ethylbenzene	ND		2.0		ppb v/v			04/27/20 15:26	1
Hexachlorobutadiene	ND		2.0		ppb v/v			04/27/20 15:26	1
Hexane	ND		5.0		ppb v/v			04/27/20 15:26	1
Methyl tert-butyl ether	ND		4.0		ppb v/v			04/27/20 15:26	1
Methylene Chloride	ND		10		ppb v/v			04/27/20 15:26	1
m-Xylene & p-Xylene	ND		2.0		ppb v/v			04/27/20 15:26	1
Naphthalene	ND		5.0		ppb v/v			04/27/20 15:26	1
o-Xylene	ND		2.0		ppb v/v			04/27/20 15:26	1
Styrene	ND		2.0		ppb v/v			04/27/20 15:26	1
t-Butyl alcohol	ND		8.0		ppb v/v			04/27/20 15:26	1
Tetrachloroethene	ND		2.0		ppb v/v			04/27/20 15:26	1
Toluene	ND		3.0		ppb v/v			04/27/20 15:26	1
trans-1,2-Dichloroethene	ND		2.0		ppb v/v			04/27/20 15:26	1
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			04/27/20 15:26	1
Trichloroethene	ND		0.90		ppb v/v			04/27/20 15:26	1
Trichlorofluoromethane	260		2.0		ppb v/v			04/27/20 15:26	1
Vinyl chloride	ND		1.0		ppb v/v			04/27/20 15:26	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	44		11		ug/m3			04/27/20 15:26	1
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			04/27/20 15:26	1
1,1,2-Trichloroethane	ND		11		ug/m3			04/27/20 15:26	1
1,1,2-Trichlorotrifluoroethane	ND		15		ug/m3			04/27/20 15:26	1
1,1-Dichloroethane	ND		8.1		ug/m3			04/27/20 15:26	1
1,1-Dichloroethene	ND		4.0		ug/m3			04/27/20 15:26	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/27/20 15:26	1
1,2,4-Trimethylbenzene	ND		9.8		ug/m3			04/27/20 15:26	1
1,2-Dibromoethane	ND		15		ug/m3			04/27/20 15:26	1
1,2-Dichlorobenzene	ND		12		ug/m3			04/27/20 15:26	1
1,2-Dichloroethane	ND		8.1		ug/m3			04/27/20 15:26	1
1,2-Dichloropropane	ND		9.2		ug/m3			04/27/20 15:26	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 6-A

Lab Sample ID: 140-18908-4

Date Collected: 04/20/20 16:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND	✓/LW	14		ug/m3			04/27/20 15:26	CC4
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			04/27/20 15:26	1
1,3-Dichlorobenzene	ND		12		ug/m3			04/27/20 15:26	1
1,4-Dichlorobenzene	ND		12		ug/m3			04/27/20 15:26	1
1,4-Dioxane	ND		18		ug/m3			04/27/20 15:26	1
2,2,4-Trimethylpentane	ND		23		ug/m3			04/27/20 15:26	1
2-Butanone	ND		24		ug/m3			04/27/20 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		20		ug/m3			04/27/20 15:26	1
Benzene	ND		6.4		ug/m3			04/27/20 15:26	1
Benzyl chloride	ND	✓/LW	21		ug/m3			04/27/20 15:26	CC4
Bromodichloromethane	ND		13		ug/m3			04/27/20 15:26	1
Bromoform	ND		21		ug/m3			04/27/20 15:26	1
Bromomethane	ND		7.8		ug/m3			04/27/20 15:26	1
Carbon tetrachloride	ND		5.0		ug/m3			04/27/20 15:26	1
Chlorobenzene	ND		9.2		ug/m3			04/27/20 15:26	1
Chloroethane	ND		5.3		ug/m3			04/27/20 15:26	1
Chloroform	ND		9.8		ug/m3			04/27/20 15:26	1
Chloromethane	ND		10		ug/m3			04/27/20 15:26	1
cis-1,2-Dichloroethene	ND		4.0		ug/m3			04/27/20 15:26	1
cis-1,3-Dichloropropene	ND		9.1		ug/m3			04/27/20 15:26	1
Cyclohexane	ND		17		ug/m3			04/27/20 15:26	1
Dibromochloromethane	ND		17		ug/m3			04/27/20 15:26	1
Dichlorodifluoromethane	ND	✓/LW	9.9		ug/m3			04/27/20 15:26	CC4
Ethanol	1700		94		ug/m3			04/27/20 15:26	1
Ethylbenzene	ND		8.7		ug/m3			04/27/20 15:26	1
Hexachlorobutadiene	ND		21		ug/m3			04/27/20 15:26	1
Hexane	ND		18		ug/m3			04/27/20 15:26	1
Methyl tert-butyl ether	ND		14		ug/m3			04/27/20 15:26	1
Methylene Chloride	ND		35		ug/m3			04/27/20 15:26	1
m-Xylene & p-Xylene	ND		8.7		ug/m3			04/27/20 15:26	1
Naphthalene	ND		26		ug/m3			04/27/20 15:26	1
o-Xylene	ND		8.7		ug/m3			04/27/20 15:26	1
Styrene	ND		8.5		ug/m3			04/27/20 15:26	1
t-Butyl alcohol	ND		24		ug/m3			04/27/20 15:26	1
Tetrachloroethene	ND		14		ug/m3			04/27/20 15:26	1
Toluene	ND		11		ug/m3			04/27/20 15:26	1
trans-1,2-Dichloroethene	ND		7.9		ug/m3			04/27/20 15:26	1
trans-1,3-Dichloropropene	ND		9.1		ug/m3			04/27/20 15:26	1
Trichloroethene	ND		4.8		ug/m3			04/27/20 15:26	1
Trichlorofluoromethane	1400		11		ug/m3			04/27/20 15:26	1
Vinyl chloride	ND		2.6		ug/m3			04/27/20 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		60 - 140		04/27/20 15:26	1

SMK
7/15/2020

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: DUP-042020

Lab Sample ID: 140-18908-5

Date Collected: 04/20/20 16:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.4		2.0		ppb v/v			04/24/20 14:28	1
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			04/24/20 14:28	1
1,1,2-Trichloroethane	ND		2.0		ppb v/v			04/24/20 14:28	1
1,1,2-Trichlorotrifluoroethane	ND		2.0		ppb v/v			04/24/20 14:28	1
1,1-Dichloroethane	ND		2.0		ppb v/v			04/24/20 14:28	1
1,1-Dichloroethene	ND		1.0		ppb v/v			04/24/20 14:28	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			04/24/20 14:28	CC#
1,2,4-Trimethylbenzene	ND		2.0		ppb v/v			04/24/20 14:28	1
1,2-Dibromoethane	ND		2.0		ppb v/v			04/24/20 14:28	1
1,2-Dichlorobenzene	ND		2.0		ppb v/v			04/24/20 14:28	1
1,2-Dichloroethane	ND		2.0		ppb v/v			04/24/20 14:28	1
1,2-Dichloropropane	ND		2.0		ppb v/v			04/24/20 14:28	1
1,2-Dichlorotetrafluoroethane	ND		2.0		ppb v/v			04/24/20 14:28	1
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			04/24/20 14:28	1
1,3-Dichlorobenzene	ND		2.0		ppb v/v			04/24/20 14:28	1
1,4-Dichlorobenzene	ND		2.0		ppb v/v			04/24/20 14:28	1
1,4-Dioxane	ND		5.0		ppb v/v			04/24/20 14:28	1
2,2,4-Trimethylpentane	ND		5.0		ppb v/v			04/24/20 14:28	1
2-Butanone	ND		8.0		ppb v/v			04/24/20 14:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ppb v/v			04/24/20 14:28	1
Benzene	ND		2.0		ppb v/v			04/24/20 14:28	1
Benzyl chloride	ND		4.0		ppb v/v			04/24/20 14:28	1
Bromodichloromethane	ND		2.0		ppb v/v			04/24/20 14:28	1
Bromoform	ND		2.0		ppb v/v			04/24/20 14:28	1
Bromomethane	ND		2.0		ppb v/v			04/24/20 14:28	1
Carbon tetrachloride	ND		0.80		ppb v/v			04/24/20 14:28	1
Chlorobenzene	ND		2.0		ppb v/v			04/24/20 14:28	1
Chloroethane	ND		2.0		ppb v/v			04/24/20 14:28	1
Chloroform	ND		2.0		ppb v/v			04/24/20 14:28	1
Chloromethane	ND		5.0		ppb v/v			04/24/20 14:28	CC#
cis-1,2-Dichloroethene	ND		1.0		ppb v/v			04/24/20 14:28	1
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			04/24/20 14:28	1
Cyclohexane	ND		5.0		ppb v/v			04/24/20 14:28	1
Dibromochloromethane	ND		2.0		ppb v/v			04/24/20 14:28	1
Dichlorodifluoromethane	ND		2.0		ppb v/v			04/24/20 14:28	1
Ethanol	830		50		ppb v/v			04/24/20 14:28	1
Ethylbenzene	ND		2.0		ppb v/v			04/24/20 14:28	1
Hexachlorobutadiene	ND		2.0		ppb v/v			04/24/20 14:28	CC#
Hexane	ND		5.0		ppb v/v			04/24/20 14:28	1
Methyl tert-butyl ether	ND		4.0		ppb v/v			04/24/20 14:28	1
Methylene Chloride	ND		10		ppb v/v			04/24/20 14:28	1
m-Xylene & p-Xylene	ND		2.0		ppb v/v			04/24/20 14:28	1
Naphthalene	ND		5.0		ppb v/v			04/24/20 14:28	1
o-Xylene	ND		2.0		ppb v/v			04/24/20 14:28	1
Styrene	ND		2.0		ppb v/v			04/24/20 14:28	1
t-Butyl alcohol	ND		8.0		ppb v/v			04/24/20 14:28	1
Tetrachloroethene	ND		2.0		ppb v/v			04/24/20 14:28	1
Toluene	ND		3.0		ppb v/v			04/24/20 14:28	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: DUP-042020

Lab Sample ID: 140-18908-5

Date Collected: 04/20/20 16:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0		ppb v/v			04/24/20 14:28	1
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			04/24/20 14:28	1
Trichloroethene	ND		0.90		ppb v/v			04/24/20 14:28	1
Trichlorofluoromethane	6.1		2.0		ppb v/v			04/24/20 14:28	1
Vinyl chloride	ND		1.0		ppb v/v			04/24/20 14:28	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	46		11		ug/m3			04/24/20 14:28	1
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			04/24/20 14:28	1
1,1,2-Trichloroethane	ND		11		ug/m3			04/24/20 14:28	1
1,1,2-Trichlorotrifluoroethane	ND		15		ug/m3			04/24/20 14:28	1
1,1-Dichloroethane	ND		8.1		ug/m3			04/24/20 14:28	1
1,1-Dichloroethene	ND		4.0		ug/m3			04/24/20 14:28	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/24/20 14:28	1
1,2,4-Trimethylbenzene	ND		9.8		ug/m3			04/24/20 14:28	1
1,2-Dibromoethane	ND		15		ug/m3			04/24/20 14:28	1
1,2-Dichlorobenzene	ND		12		ug/m3			04/24/20 14:28	1
1,2-Dichloroethane	ND		8.1		ug/m3			04/24/20 14:28	1
1,2-Dichloropropane	ND		9.2		ug/m3			04/24/20 14:28	1
1,2-Dichlorotetrafluoroethane	ND		14		ug/m3			04/24/20 14:28	1
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			04/24/20 14:28	1
1,3-Dichlorobenzene	ND		12		ug/m3			04/24/20 14:28	1
1,4-Dichlorobenzene	ND		12		ug/m3			04/24/20 14:28	1
1,4-Dioxane	ND		18		ug/m3			04/24/20 14:28	1
2,2,4-Trimethylpentane	ND		23		ug/m3			04/24/20 14:28	1
2-Butanone	ND		24		ug/m3			04/24/20 14:28	1
4-Methyl-2-pentanone (MIBK)	ND		20		ug/m3			04/24/20 14:28	1
Benzene	ND		6.4		ug/m3			04/24/20 14:28	1
Benzyl chloride	ND		21		ug/m3			04/24/20 14:28	1
Bromodichloromethane	ND		13		ug/m3			04/24/20 14:28	1
Bromoform	ND		21		ug/m3			04/24/20 14:28	1
Bromomethane	ND		7.8		ug/m3			04/24/20 14:28	1
Carbon tetrachloride	ND		5.0		ug/m3			04/24/20 14:28	1
Chlorobenzene	ND		9.2		ug/m3			04/24/20 14:28	1
Chloroethane	ND		5.3		ug/m3			04/24/20 14:28	1
Chloroform	ND		9.8		ug/m3			04/24/20 14:28	1
Chloromethane	ND		10		ug/m3			04/24/20 14:28	1
cis-1,2-Dichloroethene	ND		4.0		ug/m3			04/24/20 14:28	1
cis-1,3-Dichloropropene	ND		9.1		ug/m3			04/24/20 14:28	1
Cyclohexane	ND		17		ug/m3			04/24/20 14:28	1
Dibromochloromethane	ND		17		ug/m3			04/24/20 14:28	1
Dichlorodifluoromethane	ND		9.9		ug/m3			04/24/20 14:28	1
Ethanol	1600		94		ug/m3			04/24/20 14:28	1
Ethylbenzene	ND		8.7		ug/m3			04/24/20 14:28	1
Hexachlorobutadiene	ND		21		ug/m3			04/24/20 14:28	1
Hexane	ND		18		ug/m3			04/24/20 14:28	1
Methyl tert-butyl ether	ND		14		ug/m3			04/24/20 14:28	1
Methylene Chloride	ND		35		ug/m3			04/24/20 14:28	1
m-Xylene & p-Xylene	ND		8.7		ug/m3			04/24/20 14:28	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: DUP-042020

Lab Sample ID: 140-18908-5

Date Collected: 04/20/20 16:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		26		ug/m3			04/24/20 14:28	1
o-Xylene	ND		8.7		ug/m3			04/24/20 14:28	1
Styrene	ND		8.5		ug/m3			04/24/20 14:28	1
t-Butyl alcohol	ND		24		ug/m3			04/24/20 14:28	1
Tetrachloroethene	ND		14		ug/m3			04/24/20 14:28	1
Toluene	ND		11		ug/m3			04/24/20 14:28	1
trans-1,2-Dichloroethene	ND		7.9		ug/m3			04/24/20 14:28	1
trans-1,3-Dichloropropene	ND		9.1		ug/m3			04/24/20 14:28	1
Trichloroethene	ND		4.8		ug/m3			04/24/20 14:28	1
Trichlorofluoromethane	34		11		ug/m3			04/24/20 14:28	1
Vinyl chloride	ND		2.6		ug/m3			04/24/20 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		60 - 140		04/24/20 14:28	1

SMK
7/15/2020

Client Sample ID: HALL 1-SS

Lab Sample ID: 140-18908-6

Date Collected: 04/20/20 16:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	18		0.80		ppb v/v			04/24/20 15:16	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			04/24/20 15:16	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			04/24/20 15:16	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			04/24/20 15:16	1
1,1-Dichloroethane	0.89		0.80		ppb v/v			04/24/20 15:16	1
1,1-Dichloroethene	0.64		0.40		ppb v/v			04/24/20 15:16	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			04/24/20 15:16	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 15:16	1
1,2-Dibromoethane	ND		0.80		ppb v/v			04/24/20 15:16	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 15:16	1
1,2-Dichloroethane	ND		0.80		ppb v/v			04/24/20 15:16	1
1,2-Dichloropropane	ND		0.80		ppb v/v			04/24/20 15:16	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			04/24/20 15:16	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 15:16	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 15:16	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 15:16	1
1,4-Dioxane	ND		2.0		ppb v/v			04/24/20 15:16	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			04/24/20 15:16	1
2-Butanone	3.2		3.2		ppb v/v			04/24/20 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			04/24/20 15:16	1
Benzene	5.8		0.80		ppb v/v			04/24/20 15:16	1
Benzyl chloride	ND		1.6		ppb v/v			04/24/20 15:16	1
Bromodichloromethane	ND		0.80		ppb v/v			04/24/20 15:16	1
Bromoform	ND		0.80		ppb v/v			04/24/20 15:16	1
Bromomethane	ND		0.80		ppb v/v			04/24/20 15:16	1
Carbon tetrachloride	ND		0.32		ppb v/v			04/24/20 15:16	1
Chlorobenzene	ND		0.80		ppb v/v			04/24/20 15:16	1

ND

CC4

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: HALL 1-SS

Lab Sample ID: 140-18908-6

Date Collected: 04/20/20 16:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.80		ppb v/v			04/24/20 15:16	1
Chloroform	ND		0.80		ppb v/v			04/24/20 15:16	1
Chloromethane	ND <i>ND</i>		2.0		ppb v/v			04/24/20 15:16	<i>CC4</i>
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			04/24/20 15:16	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 15:16	1
Cyclohexane	55		2.0		ppb v/v			04/24/20 15:16	1
Dibromochloromethane	ND		0.80		ppb v/v			04/24/20 15:16	1
Dichlorodifluoromethane	0.90		0.80		ppb v/v			04/24/20 15:16	1
Ethanol	1000 E		20		ppb v/v			04/24/20 15:16	1
Ethylbenzene	ND		0.80		ppb v/v			04/24/20 15:16	1
Hexachlorobutadiene	ND <i>ND</i>		0.80		ppb v/v			04/24/20 15:16	<i>CC4</i>
Hexane	61		2.0		ppb v/v			04/24/20 15:16	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			04/24/20 15:16	1
Methylene Chloride	ND		4.0		ppb v/v			04/24/20 15:16	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			04/24/20 15:16	1
Naphthalene	ND		2.0		ppb v/v			04/24/20 15:16	1
o-Xylene	ND		0.80		ppb v/v			04/24/20 15:16	1
Styrene	ND		0.80		ppb v/v			04/24/20 15:16	1
t-Butyl alcohol	5.3		3.2		ppb v/v			04/24/20 15:16	1
Tetrachloroethene	ND		0.80		ppb v/v			04/24/20 15:16	1
Toluene	1.9		1.2		ppb v/v			04/24/20 15:16	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			04/24/20 15:16	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 15:16	1
Trichloroethene	0.39		0.36		ppb v/v			04/24/20 15:16	1
Trichlorofluoromethane	5.8		0.80		ppb v/v			04/24/20 15:16	1
Vinyl chloride	ND		0.40		ppb v/v			04/24/20 15:16	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	96		4.4		ug/m3			04/24/20 15:16	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			04/24/20 15:16	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/24/20 15:16	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			04/24/20 15:16	1
1,1-Dichloroethane	3.6		3.2		ug/m3			04/24/20 15:16	1
1,1-Dichloroethene	2.6		1.6		ug/m3			04/24/20 15:16	1
1,2,4-Trichlorobenzene	ND <i>ND</i>		5.9		ug/m3			04/24/20 15:16	<i>CC4</i>
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 15:16	1
1,2-Dibromoethane	ND		6.1		ug/m3			04/24/20 15:16	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 15:16	1
1,2-Dichloroethane	ND		3.2		ug/m3			04/24/20 15:16	1
1,2-Dichloropropane	ND		3.7		ug/m3			04/24/20 15:16	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			04/24/20 15:16	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 15:16	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 15:16	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 15:16	1
1,4-Dioxane	ND		7.2		ug/m3			04/24/20 15:16	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			04/24/20 15:16	1
2-Butanone	9.4		9.4		ug/m3			04/24/20 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			04/24/20 15:16	1
Benzene	18		2.6		ug/m3			04/24/20 15:16	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: HALL 1-SS

Lab Sample ID: 140-18908-6

Date Collected: 04/20/20 16:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		8.3		ug/m3			04/24/20 15:16	1
Bromodichloromethane	ND		5.4		ug/m3			04/24/20 15:16	1
Bromoform	ND		8.3		ug/m3			04/24/20 15:16	1
Bromomethane	ND		3.1		ug/m3			04/24/20 15:16	1
Carbon tetrachloride	ND		2.0		ug/m3			04/24/20 15:16	1
Chlorobenzene	ND		3.7		ug/m3			04/24/20 15:16	1
Chloroethane	ND		2.1		ug/m3			04/24/20 15:16	1
Chloroform	ND		3.9		ug/m3			04/24/20 15:16	1
Chloromethane	ND		4.1		ug/m3			04/24/20 15:16	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			04/24/20 15:16	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 15:16	1
Cyclohexane	190		6.9		ug/m3			04/24/20 15:16	1
Dibromochloromethane	ND		6.8		ug/m3			04/24/20 15:16	1
Dichlorodifluoromethane	4.4		4.0		ug/m3			04/24/20 15:16	1
Ethanol	1900		38		ug/m3			04/24/20 15:16	1
Ethylbenzene	ND		3.5		ug/m3			04/24/20 15:16	1
Hexachlorobutadiene	ND		8.5		ug/m3			04/24/20 15:16	1
Hexane	210		7.0		ug/m3			04/24/20 15:16	1
Methyl tert-butyl ether	ND		5.8		ug/m3			04/24/20 15:16	1
Methylene Chloride	ND		14		ug/m3			04/24/20 15:16	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			04/24/20 15:16	1
Naphthalene	ND		10		ug/m3			04/24/20 15:16	1
o-Xylene	ND		3.5		ug/m3			04/24/20 15:16	1
Styrene	ND		3.4		ug/m3			04/24/20 15:16	1
t-Butyl alcohol	16		9.7		ug/m3			04/24/20 15:16	1
Tetrachloroethene	ND		5.4		ug/m3			04/24/20 15:16	1
Toluene	7.1		4.5		ug/m3			04/24/20 15:16	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/24/20 15:16	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 15:16	1
Trichloroethene	2.1		1.9		ug/m3			04/24/20 15:16	1
Trichlorofluoromethane	33		4.5		ug/m3			04/24/20 15:16	1
Vinyl chloride	ND		1.0		ug/m3			04/24/20 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140		04/24/20 15:16	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1200		50		ppb v/v			04/27/20 17:01	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	2200		94		ug/m3			04/27/20 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		60 - 140		04/27/20 17:01	1

SMK
7/15/2020

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: OUT 1-A

Lab Sample ID: 140-18908-7

Date Collected: 04/20/20 16:45

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,1,2-Trichloroethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,1-Dichloroethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,1-Dichloroethene	ND		0.040		ppb v/v			04/28/20 13:13	1.49
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,2-Dibromoethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,2-Dichlorobenzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,2-Dichloroethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,2-Dichloropropane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,3-Dichlorobenzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,4-Dichlorobenzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
1,4-Dioxane	ND		0.20		ppb v/v			04/28/20 13:13	1.49
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			04/28/20 13:13	1.49
2-Butanone	ND		0.32		ppb v/v			04/28/20 13:13	1.49
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			04/28/20 13:13	1.49
Benzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Benzyl chloride	ND		0.16		ppb v/v			04/28/20 13:13	1.49
Bromodichloromethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Bromoform	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Bromomethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Carbon tetrachloride	0.057		0.032		ppb v/v			04/28/20 13:13	1.49
Chlorobenzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Chloroethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Chloroform	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Chloromethane	0.49		0.20		ppb v/v			04/28/20 13:13	1.49
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			04/28/20 13:13	1.49
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Cyclohexane	ND		0.20		ppb v/v			04/28/20 13:13	1.49
Dibromochloromethane	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Dichlorodifluoromethane	0.22		0.080		ppb v/v			04/28/20 13:13	1.49
Ethanol	5.4		2.0		ppb v/v			04/28/20 13:13	1.49
Ethylbenzene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Hexachlorobutadiene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Hexane	ND		0.20		ppb v/v			04/28/20 13:13	1.49
Methyl tert-butyl ether	ND		0.16		ppb v/v			04/28/20 13:13	1.49
Methylene Chloride	ND		0.40		ppb v/v			04/28/20 13:13	1.49
m-Xylene & p-Xylene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Naphthalene	ND		0.20		ppb v/v			04/28/20 13:13	1.49
o-Xylene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Styrene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
t-Butyl alcohol	ND		0.32		ppb v/v			04/28/20 13:13	1.49
Tetrachloroethene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Toluene	ND		0.12		ppb v/v			04/28/20 13:13	1.49

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: OUT 1-A

Lab Sample ID: 140-18908-7

Date Collected: 04/20/20 16:45

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			04/28/20 13:13	1.49
Trichloroethene	ND		0.036		ppb v/v			04/28/20 13:13	1.49
Trichlorofluoromethane	0.22		0.080		ppb v/v			04/28/20 13:13	1.49
Vinyl chloride	ND		0.040		ppb v/v			04/28/20 13:13	1.49
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			04/28/20 13:13	1.49
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			04/28/20 13:13	1.49
1,1,2-Trichloroethane	ND		0.44		ug/m3			04/28/20 13:13	1.49
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			04/28/20 13:13	1.49
1,1-Dichloroethane	ND		0.32		ug/m3			04/28/20 13:13	1.49
1,1-Dichloroethene	ND		0.16		ug/m3			04/28/20 13:13	1.49
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			04/28/20 13:13	1.49
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			04/28/20 13:13	1.49
1,2-Dibromoethane	ND		0.61		ug/m3			04/28/20 13:13	1.49
1,2-Dichlorobenzene	ND		0.48		ug/m3			04/28/20 13:13	1.49
1,2-Dichloroethane	ND		0.32		ug/m3			04/28/20 13:13	1.49
1,2-Dichloropropane	ND		0.37		ug/m3			04/28/20 13:13	1.49
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			04/28/20 13:13	1.49
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			04/28/20 13:13	1.49
1,3-Dichlorobenzene	ND		0.48		ug/m3			04/28/20 13:13	1.49
1,4-Dichlorobenzene	ND		0.48		ug/m3			04/28/20 13:13	1.49
1,4-Dioxane	ND		0.72		ug/m3			04/28/20 13:13	1.49
2,2,4-Trimethylpentane	ND		0.93		ug/m3			04/28/20 13:13	1.49
2-Butanone	ND		0.94		ug/m3			04/28/20 13:13	1.49
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			04/28/20 13:13	1.49
Benzene	ND		0.26		ug/m3			04/28/20 13:13	1.49
Benzyl chloride	ND		0.83		ug/m3			04/28/20 13:13	1.49
Bromodichloromethane	ND		0.54		ug/m3			04/28/20 13:13	1.49
Bromoform	ND		0.83		ug/m3			04/28/20 13:13	1.49
Bromomethane	ND		0.31		ug/m3			04/28/20 13:13	1.49
Carbon tetrachloride	0.36		0.20		ug/m3			04/28/20 13:13	1.49
Chlorobenzene	ND		0.37		ug/m3			04/28/20 13:13	1.49
Chloroethane	ND		0.21		ug/m3			04/28/20 13:13	1.49
Chloroform	ND		0.39		ug/m3			04/28/20 13:13	1.49
Chloromethane	1.0		0.41		ug/m3			04/28/20 13:13	1.49
cis-1,2-Dichloroethene	ND		0.16		ug/m3			04/28/20 13:13	1.49
cis-1,3-Dichloropropene	ND		0.36		ug/m3			04/28/20 13:13	1.49
Cyclohexane	ND		0.69		ug/m3			04/28/20 13:13	1.49
Dibromochloromethane	ND		0.68		ug/m3			04/28/20 13:13	1.49
Dichlorodifluoromethane	1.1		0.40		ug/m3			04/28/20 13:13	1.49
Ethanol	10		3.8		ug/m3			04/28/20 13:13	1.49
Ethylbenzene	ND		0.35		ug/m3			04/28/20 13:13	1.49
Hexachlorobutadiene	ND		0.85		ug/m3			04/28/20 13:13	1.49
Hexane	ND		0.70		ug/m3			04/28/20 13:13	1.49
Methyl tert-butyl ether	ND		0.58		ug/m3			04/28/20 13:13	1.49
Methylene Chloride	ND		1.4		ug/m3			04/28/20 13:13	1.49
m-Xylene & p-Xylene	ND		0.35		ug/m3			04/28/20 13:13	1.49

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: OUT 1-A

Lab Sample ID: 140-18908-7

Date Collected: 04/20/20 16:45

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			04/28/20 13:13	1.49
o-Xylene	ND		0.35		ug/m3			04/28/20 13:13	1.49
Styrene	ND		0.34		ug/m3			04/28/20 13:13	1.49
t-Butyl alcohol	ND		0.97		ug/m3			04/28/20 13:13	1.49
Tetrachloroethene	ND		0.54		ug/m3			04/28/20 13:13	1.49
Toluene	ND		0.45		ug/m3			04/28/20 13:13	1.49
trans-1,2-Dichloroethene	ND		0.32		ug/m3			04/28/20 13:13	1.49
trans-1,3-Dichloropropene	ND		0.36		ug/m3			04/28/20 13:13	1.49
Trichloroethene	ND		0.19		ug/m3			04/28/20 13:13	1.49
Trichlorofluoromethane	1.2		0.45		ug/m3			04/28/20 13:13	1.49
Vinyl chloride	ND		0.10		ug/m3			04/28/20 13:13	1.49

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		60 - 140	SML 11/5/2020	04/28/20 13:13	1.49

Client Sample ID: HALL 1-A

Lab Sample ID: 140-18908-8

Date Collected: 04/20/20 16:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3		0.80		ppb v/v			04/24/20 17:38	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			04/24/20 17:38	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			04/24/20 17:38	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			04/24/20 17:38	1
1,1-Dichloroethane	ND		0.80		ppb v/v			04/24/20 17:38	1
1,1-Dichloroethene	ND		0.40		ppb v/v			04/24/20 17:38	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			04/24/20 17:38	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 17:38	1
1,2-Dibromoethane	ND		0.80		ppb v/v			04/24/20 17:38	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 17:38	1
1,2-Dichloroethane	ND		0.80		ppb v/v			04/24/20 17:38	1
1,2-Dichloropropane	ND		0.80		ppb v/v			04/24/20 17:38	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			04/24/20 17:38	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 17:38	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 17:38	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 17:38	1
1,4-Dioxane	ND		2.0		ppb v/v			04/24/20 17:38	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			04/24/20 17:38	1
2-Butanone	ND		3.2		ppb v/v			04/24/20 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			04/24/20 17:38	1
Benzene	ND		0.80		ppb v/v			04/24/20 17:38	1
Benzyl chloride	ND		1.6		ppb v/v			04/24/20 17:38	1
Bromodichloromethane	ND		0.80		ppb v/v			04/24/20 17:38	1
Bromoform	ND		0.80		ppb v/v			04/24/20 17:38	1
Bromomethane	ND		0.80		ppb v/v			04/24/20 17:38	1
Carbon tetrachloride	ND		0.32		ppb v/v			04/24/20 17:38	1
Chlorobenzene	ND		0.80		ppb v/v			04/24/20 17:38	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: HALL 1-A

Lab Sample ID: 140-18908-8

Date Collected: 04/20/20 16:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.80		ppb v/v			04/24/20 17:38	1
Chloroform	ND		0.80		ppb v/v			04/24/20 17:38	1
Chloromethane	ND	✓LW	2.0		ppb v/v			04/24/20 17:38	CC41
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			04/24/20 17:38	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 17:38	1
Cyclohexane	ND		2.0		ppb v/v			04/24/20 17:38	1
Dibromochloromethane	ND		0.80		ppb v/v			04/24/20 17:38	1
Dichlorodifluoromethane	1.1		0.80		ppb v/v			04/24/20 17:38	1
Ethanol	590		20		ppb v/v			04/24/20 17:38	1
Ethylbenzene	ND		0.80		ppb v/v			04/24/20 17:38	1
Hexachlorobutadiene	ND	✓LW	0.80		ppb v/v			04/24/20 17:38	CC41
Hexane	ND		2.0		ppb v/v			04/24/20 17:38	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			04/24/20 17:38	1
Methylene Chloride	ND		4.0		ppb v/v			04/24/20 17:38	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			04/24/20 17:38	1
Naphthalene	ND		2.0		ppb v/v			04/24/20 17:38	1
o-Xylene	ND		0.80		ppb v/v			04/24/20 17:38	1
Styrene	0.85		0.80		ppb v/v			04/24/20 17:38	1
t-Butyl alcohol	ND		3.2		ppb v/v			04/24/20 17:38	1
Tetrachloroethene	ND		0.80		ppb v/v			04/24/20 17:38	1
Toluene	ND		1.2		ppb v/v			04/24/20 17:38	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			04/24/20 17:38	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 17:38	1
Trichloroethene	ND		0.36		ppb v/v			04/24/20 17:38	1
Trichlorofluoromethane	1.9		0.80		ppb v/v			04/24/20 17:38	1
Vinyl chloride	ND		0.40		ppb v/v			04/24/20 17:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	29		4.4		ug/m3			04/24/20 17:38	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			04/24/20 17:38	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/24/20 17:38	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			04/24/20 17:38	1
1,1-Dichloroethane	ND		3.2		ug/m3			04/24/20 17:38	1
1,1-Dichloroethene	ND		1.6		ug/m3			04/24/20 17:38	1
1,2,4-Trichlorobenzene	ND	✓LW	5.9		ug/m3			04/24/20 17:38	CC41
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 17:38	1
1,2-Dibromoethane	ND		6.1		ug/m3			04/24/20 17:38	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 17:38	1
1,2-Dichloroethane	ND		3.2		ug/m3			04/24/20 17:38	1
1,2-Dichloropropane	ND		3.7		ug/m3			04/24/20 17:38	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			04/24/20 17:38	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 17:38	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 17:38	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 17:38	1
1,4-Dioxane	ND		7.2		ug/m3			04/24/20 17:38	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			04/24/20 17:38	1
2-Butanone	ND		9.4		ug/m3			04/24/20 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			04/24/20 17:38	1
Benzene	ND		2.6		ug/m3			04/24/20 17:38	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: HALL 1-A

Lab Sample ID: 140-18908-8

Date Collected: 04/20/20 16:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		8.3		ug/m3			04/24/20 17:38	1
Bromodichloromethane	ND		5.4		ug/m3			04/24/20 17:38	1
Bromoform	ND		8.3		ug/m3			04/24/20 17:38	1
Bromomethane	ND		3.1		ug/m3			04/24/20 17:38	1
Carbon tetrachloride	ND		2.0		ug/m3			04/24/20 17:38	1
Chlorobenzene	ND		3.7		ug/m3			04/24/20 17:38	1
Chloroethane	ND		2.1		ug/m3			04/24/20 17:38	1
Chloroform	ND		3.9		ug/m3			04/24/20 17:38	1
Chloromethane	ND		4.1		ug/m3			04/24/20 17:38	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			04/24/20 17:38	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 17:38	1
Cyclohexane	ND		6.9		ug/m3			04/24/20 17:38	1
Dibromochloromethane	ND		6.8		ug/m3			04/24/20 17:38	1
Dichlorodifluoromethane	5.6		4.0		ug/m3			04/24/20 17:38	1
Ethanol	1100		38		ug/m3			04/24/20 17:38	1
Ethylbenzene	ND		3.5		ug/m3			04/24/20 17:38	1
Hexachlorobutadiene	ND		8.5		ug/m3			04/24/20 17:38	1
Hexane	ND		7.0		ug/m3			04/24/20 17:38	1
Methyl tert-butyl ether	ND		5.8		ug/m3			04/24/20 17:38	1
Methylene Chloride	ND		14		ug/m3			04/24/20 17:38	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			04/24/20 17:38	1
Naphthalene	ND		10		ug/m3			04/24/20 17:38	1
o-Xylene	ND		3.5		ug/m3			04/24/20 17:38	1
Styrene	3.6		3.4		ug/m3			04/24/20 17:38	1
t-Butyl alcohol	ND		9.7		ug/m3			04/24/20 17:38	1
Tetrachloroethene	ND		5.4		ug/m3			04/24/20 17:38	1
Toluene	ND		4.5		ug/m3			04/24/20 17:38	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/24/20 17:38	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 17:38	1
Trichloroethene	ND		1.9		ug/m3			04/24/20 17:38	1
Trichlorofluoromethane	10		4.5		ug/m3			04/24/20 17:38	1
Vinyl chloride	ND		1.0		ug/m3			04/24/20 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		60 - 140		04/24/20 17:38	1

Client Sample ID: RM 5-SS

Lab Sample ID: 140-18908-9

Date Collected: 04/20/20 17:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.8		0.80		ppb v/v			04/24/20 18:21	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			04/24/20 18:21	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			04/24/20 18:21	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			04/24/20 18:21	1
1,1-Dichloroethane	ND		0.80		ppb v/v			04/24/20 18:21	1
1,1-Dichloroethene	ND		0.40		ppb v/v			04/24/20 18:21	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 5-SS

Lab Sample ID: 140-18908-9

Date Collected: 04/20/20 17:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	W	0.80		ppb v/v			04/24/20 18:21	CC
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 18:21	1
1,2-Dibromoethane	ND		0.80		ppb v/v			04/24/20 18:21	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 18:21	1
1,2-Dichloroethane	ND		0.80		ppb v/v			04/24/20 18:21	1
1,2-Dichloropropane	ND		0.80		ppb v/v			04/24/20 18:21	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			04/24/20 18:21	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 18:21	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 18:21	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 18:21	1
1,4-Dioxane	ND		2.0		ppb v/v			04/24/20 18:21	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			04/24/20 18:21	1
2-Butanone	ND		3.2		ppb v/v			04/24/20 18:21	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			04/24/20 18:21	1
Benzene	ND		0.80		ppb v/v			04/24/20 18:21	1
Benzyl chloride	ND		1.6		ppb v/v			04/24/20 18:21	1
Bromodichloromethane	ND		0.80		ppb v/v			04/24/20 18:21	1
Bromoform	ND		0.80		ppb v/v			04/24/20 18:21	1
Bromomethane	ND		0.80		ppb v/v			04/24/20 18:21	1
Carbon tetrachloride	ND		0.32		ppb v/v			04/24/20 18:21	1
Chlorobenzene	ND		0.80		ppb v/v			04/24/20 18:21	1
Chloroethane	ND		0.80		ppb v/v			04/24/20 18:21	1
Chloroform	ND		0.80		ppb v/v			04/24/20 18:21	1
Chloromethane	ND	W	2.0		ppb v/v			04/24/20 18:21	CC
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			04/24/20 18:21	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 18:21	1
Cyclohexane	ND		2.0		ppb v/v			04/24/20 18:21	1
Dibromochloromethane	ND		0.80		ppb v/v			04/24/20 18:21	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			04/24/20 18:21	1
Ethanol	960 E		20		ppb v/v			04/24/20 18:21	1
Ethylbenzene	ND		0.80		ppb v/v			04/24/20 18:21	1
Hexachlorobutadiene	ND	W	0.80		ppb v/v			04/24/20 18:21	CC
Hexane	ND		2.0		ppb v/v			04/24/20 18:21	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			04/24/20 18:21	1
Methylene Chloride	ND		4.0		ppb v/v			04/24/20 18:21	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			04/24/20 18:21	1
Naphthalene	ND		2.0		ppb v/v			04/24/20 18:21	1
o-Xylene	ND		0.80		ppb v/v			04/24/20 18:21	1
Styrene	ND		0.80		ppb v/v			04/24/20 18:21	1
t-Butyl alcohol	ND		3.2		ppb v/v			04/24/20 18:21	1
Tetrachloroethene	ND		0.80		ppb v/v			04/24/20 18:21	1
Toluene	1.4		1.2		ppb v/v			04/24/20 18:21	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			04/24/20 18:21	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 18:21	1
Trichloroethene	ND		0.36		ppb v/v			04/24/20 18:21	1
Trichlorofluoromethane	ND		0.80		ppb v/v			04/24/20 18:21	1
Vinyl chloride	ND		0.40		ppb v/v			04/24/20 18:21	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 5-SS

Lab Sample ID: 140-18908-9

Date Collected: 04/20/20 17:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	15		4.4		ug/m3			04/24/20 18:21	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			04/24/20 18:21	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/24/20 18:21	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			04/24/20 18:21	1
1,1-Dichloroethane	ND		3.2		ug/m3			04/24/20 18:21	1
1,1-Dichloroethene	ND		1.6		ug/m3			04/24/20 18:21	1
1,2,4-Trichlorobenzene	ND <i>W</i>		5.9		ug/m3			04/24/20 18:21	<i>CCH</i> 1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 18:21	1
1,2-Dibromoethane	ND		6.1		ug/m3			04/24/20 18:21	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 18:21	1
1,2-Dichloroethane	ND		3.2		ug/m3			04/24/20 18:21	1
1,2-Dichloropropane	ND		3.7		ug/m3			04/24/20 18:21	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			04/24/20 18:21	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 18:21	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 18:21	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 18:21	1
1,4-Dioxane	ND		7.2		ug/m3			04/24/20 18:21	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			04/24/20 18:21	1
2-Butanone	ND		9.4		ug/m3			04/24/20 18:21	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			04/24/20 18:21	1
Benzene	ND		2.6		ug/m3			04/24/20 18:21	1
Benzyl chloride	ND		8.3		ug/m3			04/24/20 18:21	1
Bromodichloromethane	ND		5.4		ug/m3			04/24/20 18:21	1
Bromoform	ND		8.3		ug/m3			04/24/20 18:21	1
Bromomethane	ND		3.1		ug/m3			04/24/20 18:21	1
Carbon tetrachloride	ND		2.0		ug/m3			04/24/20 18:21	1
Chlorobenzene	ND		3.7		ug/m3			04/24/20 18:21	1
Chloroethane	ND		2.1		ug/m3			04/24/20 18:21	1
Chloroform	ND		3.9		ug/m3			04/24/20 18:21	1
Chloromethane	ND <i>W</i>		4.1		ug/m3			04/24/20 18:21	<i>CCH</i> 1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			04/24/20 18:21	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 18:21	1
Cyclohexane	ND		6.9		ug/m3			04/24/20 18:21	1
Dibromochloromethane	ND		6.8		ug/m3			04/24/20 18:21	1
Dichlorodifluoromethane	ND		4.0		ug/m3			04/24/20 18:21	1
Ethanol	1800 E		38		ug/m3			04/24/20 18:21	1
Ethylbenzene	ND		3.5		ug/m3			04/24/20 18:21	1
Hexachlorobutadiene	ND <i>W</i>		8.5		ug/m3			04/24/20 18:21	<i>CCl</i> 1
Hexane	ND		7.0		ug/m3			04/24/20 18:21	1
Methyl tert-butyl ether	ND		5.8		ug/m3			04/24/20 18:21	1
Methylene Chloride	ND		14		ug/m3			04/24/20 18:21	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			04/24/20 18:21	1
Naphthalene	ND		10		ug/m3			04/24/20 18:21	1
o-Xylene	ND		3.5		ug/m3			04/24/20 18:21	1
Styrene	ND		3.4		ug/m3			04/24/20 18:21	1
t-Butyl alcohol	ND		9.7		ug/m3			04/24/20 18:21	1
Tetrachloroethene	ND		5.4		ug/m3			04/24/20 18:21	1
Toluene	5.4		4.5		ug/m3			04/24/20 18:21	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/24/20 18:21	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 5-SS

Lab Sample ID: 140-18908-9

Date Collected: 04/20/20 17:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 18:21	1
Trichloroethene	ND		1.9		ug/m3			04/24/20 18:21	1
Trichlorofluoromethane	ND		4.5		ug/m3			04/24/20 18:21	1
Vinyl chloride	ND		1.0		ug/m3			04/24/20 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		60 - 140		04/24/20 18:21	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1000	✓	50		ppb v/v			04/27/20 19:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1900	✓	94		ug/m3			04/27/20 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		60 - 140	SM 1/15/2020	04/27/20 19:35	1

Client Sample ID: RM 12-SS

Lab Sample ID: 140-18908-10

Date Collected: 04/20/20 17:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1100		10		ppb v/v			04/27/20 20:22	10.17
1,1,2,2-Tetrachloroethane	ND		10		ppb v/v			04/27/20 20:22	10.17
1,1,2-Trichloroethane	ND		10		ppb v/v			04/27/20 20:22	10.17
1,1,2-Trichlorotrifluoroethane	ND		10		ppb v/v			04/27/20 20:22	10.17
1,1-Dichloroethane	82		10		ppb v/v			04/27/20 20:22	10.17
1,1-Dichloroethene	38		5.1		ppb v/v			04/27/20 20:22	10.17
1,2,4-Trichlorobenzene	ND		10		ppb v/v			04/27/20 20:22	10.17
1,2,4-Trimethylbenzene	ND		10		ppb v/v			04/27/20 20:22	10.17
1,2-Dibromoethane	ND		10		ppb v/v			04/27/20 20:22	10.17
1,2-Dichlorobenzene	ND		10		ppb v/v			04/27/20 20:22	10.17
1,2-Dichloroethane	ND		10		ppb v/v			04/27/20 20:22	10.17
1,2-Dichloropropane	ND		10		ppb v/v			04/27/20 20:22	10.17
1,2-Dichlorotetrafluoroethane	ND		10		ppb v/v			04/27/20 20:22	10.17
1,3,5-Trimethylbenzene	ND		10		ppb v/v			04/27/20 20:22	10.17
1,3-Dichlorobenzene	ND		10		ppb v/v			04/27/20 20:22	10.17
1,4-Dichlorobenzene	ND		10		ppb v/v			04/27/20 20:22	10.17
1,4-Dioxane	ND		25		ppb v/v			04/27/20 20:22	10.17
2,2,4-Trimethylpentane	ND		25		ppb v/v			04/27/20 20:22	10.17
2-Butanone	ND		41		ppb v/v			04/27/20 20:22	10.17
4-Methyl-2-pentanone (MIBK)	ND		25		ppb v/v			04/27/20 20:22	10.17
Benzene	ND		10		ppb v/v			04/27/20 20:22	10.17
Benzyl chloride	ND		20		ppb v/v			04/27/20 20:22	10.17
Bromodichloromethane	ND		10		ppb v/v			04/27/20 20:22	10.17
Bromoform	ND		10		ppb v/v			04/27/20 20:22	10.17
Bromomethane	ND		10		ppb v/v			04/27/20 20:22	10.17

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 12-SS

Lab Sample ID: 140-18908-10

Date Collected: 04/20/20 17:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		4.1		ppb v/v			04/27/20 20:22	10.17
Chlorobenzene	ND		10		ppb v/v			04/27/20 20:22	10.17
Chloroethane	ND		10		ppb v/v			04/27/20 20:22	10.17
Chloroform	ND		10		ppb v/v			04/27/20 20:22	10.17
Chloromethane	ND		25		ppb v/v			04/27/20 20:22	10.17
cis-1,2-Dichloroethene	ND		5.1		ppb v/v			04/27/20 20:22	10.17
cis-1,3-Dichloropropene	ND		10		ppb v/v			04/27/20 20:22	10.17
Cyclohexane	ND		25		ppb v/v			04/27/20 20:22	10.17
Dibromochloromethane	ND		10		ppb v/v			04/27/20 20:22	10.17
Dichlorodifluoromethane	ND		10		ppb v/v			04/27/20 20:22	10.17
Ethanol	970		250		ppb v/v			04/27/20 20:22	10.17
Ethylbenzene	ND		10		ppb v/v			04/27/20 20:22	10.17
Hexachlorobutadiene	ND		10		ppb v/v			04/27/20 20:22	10.17
Hexane	ND		25		ppb v/v			04/27/20 20:22	10.17
Methyl tert-butyl ether	ND		20		ppb v/v			04/27/20 20:22	10.17
Methylene Chloride	ND		51		ppb v/v			04/27/20 20:22	10.17
m-Xylene & p-Xylene	ND		10		ppb v/v			04/27/20 20:22	10.17
Naphthalene	ND		25		ppb v/v			04/27/20 20:22	10.17
o-Xylene	ND		10		ppb v/v			04/27/20 20:22	10.17
Styrene	ND		10		ppb v/v			04/27/20 20:22	10.17
t-Butyl alcohol	ND		41		ppb v/v			04/27/20 20:22	10.17
Tetrachloroethene	ND		10		ppb v/v			04/27/20 20:22	10.17
Toluene	ND		15		ppb v/v			04/27/20 20:22	10.17
trans-1,2-Dichloroethene	ND		10		ppb v/v			04/27/20 20:22	10.17
trans-1,3-Dichloropropene	ND		10		ppb v/v			04/27/20 20:22	10.17
Trichloroethene	75		4.6		ppb v/v			04/27/20 20:22	10.17
Trichlorofluoromethane	ND		10		ppb v/v			04/27/20 20:22	10.17
Vinyl chloride	ND		5.1		ppb v/v			04/27/20 20:22	10.17
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6000		55		ug/m3			04/27/20 20:22	10.17
1,1,2,2-Tetrachloroethane	ND		70		ug/m3			04/27/20 20:22	10.17
1,1,2-Trichloroethane	ND		55		ug/m3			04/27/20 20:22	10.17
1,1,2-Trichlorotrifluoroethane	ND		78		ug/m3			04/27/20 20:22	10.17
1,1-Dichloroethane	330		41		ug/m3			04/27/20 20:22	10.17
1,1-Dichloroethene	150		20		ug/m3			04/27/20 20:22	10.17
1,2,4-Trichlorobenzene	ND		75		ug/m3			04/27/20 20:22	10.17
1,2,4-Trimethylbenzene	ND		50		ug/m3			04/27/20 20:22	10.17
1,2-Dibromoethane	ND		78		ug/m3			04/27/20 20:22	10.17
1,2-Dichlorobenzene	ND		61		ug/m3			04/27/20 20:22	10.17
1,2-Dichloroethane	ND		41		ug/m3			04/27/20 20:22	10.17
1,2-Dichloropropane	ND		47		ug/m3			04/27/20 20:22	10.17
1,2-Dichlorotetrafluoroethane	ND		71		ug/m3			04/27/20 20:22	10.17
1,3,5-Trimethylbenzene	ND		50		ug/m3			04/27/20 20:22	10.17
1,3-Dichlorobenzene	ND		61		ug/m3			04/27/20 20:22	10.17
1,4-Dichlorobenzene	ND		61		ug/m3			04/27/20 20:22	10.17
1,4-Dioxane	ND		92		ug/m3			04/27/20 20:22	10.17
2,2,4-Trimethylpentane	ND		120		ug/m3			04/27/20 20:22	10.17
2-Butanone	ND		120		ug/m3			04/27/20 20:22	10.17

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 12-SS

Lab Sample ID: 140-18908-10

Date Collected: 04/20/20 17:20

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		100		ug/m3			04/27/20 20:22	10.17
Benzene	ND		32		ug/m3			04/27/20 20:22	10.17
Benzyl chloride	ND	1/LJ	110		ug/m3			04/27/20 20:22	10.17
Bromodichloromethane	ND		68		ug/m3			04/27/20 20:22	10.17
Bromoform	ND		110		ug/m3			04/27/20 20:22	10.17
Bromomethane	ND		39		ug/m3			04/27/20 20:22	10.17
Carbon tetrachloride	ND		26		ug/m3			04/27/20 20:22	10.17
Chlorobenzene	ND		47		ug/m3			04/27/20 20:22	10.17
Chloroethane	ND		27		ug/m3			04/27/20 20:22	10.17
Chloroform	ND		50		ug/m3			04/27/20 20:22	10.17
Chloromethane	ND		53		ug/m3			04/27/20 20:22	10.17
cis-1,2-Dichloroethene	ND		20		ug/m3			04/27/20 20:22	10.17
cis-1,3-Dichloropropene	ND		46		ug/m3			04/27/20 20:22	10.17
Cyclohexane	ND		88		ug/m3			04/27/20 20:22	10.17
Dibromochloromethane	ND		87		ug/m3			04/27/20 20:22	10.17
Dichlorodifluoromethane	ND	1/LJ	50		ug/m3			04/27/20 20:22	10.17
Ethanol	1800		480		ug/m3			04/27/20 20:22	10.17
Ethylbenzene	ND		44		ug/m3			04/27/20 20:22	10.17
Hexachlorobutadiene	ND		110		ug/m3			04/27/20 20:22	10.17
Hexane	ND		90		ug/m3			04/27/20 20:22	10.17
Methyl tert-butyl ether	ND		73		ug/m3			04/27/20 20:22	10.17
Methylene Chloride	ND		180		ug/m3			04/27/20 20:22	10.17
m-Xylene & p-Xylene	ND		44		ug/m3			04/27/20 20:22	10.17
Naphthalene	ND		130		ug/m3			04/27/20 20:22	10.17
o-Xylene	ND		44		ug/m3			04/27/20 20:22	10.17
Styrene	ND		43		ug/m3			04/27/20 20:22	10.17
t-Butyl alcohol	ND		120		ug/m3			04/27/20 20:22	10.17
Tetrachloroethene	ND		69		ug/m3			04/27/20 20:22	10.17
Toluene	ND		57		ug/m3			04/27/20 20:22	10.17
trans-1,2-Dichloroethene	ND		40		ug/m3			04/27/20 20:22	10.17
trans-1,3-Dichloropropene	ND		46		ug/m3			04/27/20 20:22	10.17
Trichloroethene	410		25		ug/m3			04/27/20 20:22	10.17
Trichlorofluoromethane	ND		57		ug/m3			04/27/20 20:22	10.17
Vinyl chloride	ND		13		ug/m3			04/27/20 20:22	10.17

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		60 - 140		04/27/20 20:22	10.17

SMK
7/15/2020

Client Sample ID: RM 12A

Lab Sample ID: 140-18908-11

Date Collected: 04/20/20 17:15

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	12		0.80		ppb v/v			04/24/20 19:51	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			04/24/20 19:51	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			04/24/20 19:51	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			04/24/20 19:51	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 12A

Lab Sample ID: 140-18908-11

Date Collected: 04/20/20 17:15

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	2.0		0.80		ppb v/v			04/24/20 19:51	1
1,1-Dichloroethene	1.0		0.40		ppb v/v			04/24/20 19:51	1
1,2,4-Trichlorobenzene	ND	UJ	0.80		ppb v/v			04/24/20 19:51	CGH 1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 19:51	1
1,2-Dibromoethane	ND		0.80		ppb v/v			04/24/20 19:51	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 19:51	1
1,2-Dichloroethane	ND		0.80		ppb v/v			04/24/20 19:51	1
1,2-Dichloropropane	ND		0.80		ppb v/v			04/24/20 19:51	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			04/24/20 19:51	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 19:51	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 19:51	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 19:51	1
1,4-Dioxane	ND		2.0		ppb v/v			04/24/20 19:51	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			04/24/20 19:51	1
2-Butanone	ND		3.2		ppb v/v			04/24/20 19:51	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			04/24/20 19:51	1
Benzene	1.1		0.80		ppb v/v			04/24/20 19:51	1
Benzyl chloride	ND		1.6		ppb v/v			04/24/20 19:51	1
Bromodichloromethane	ND		0.80		ppb v/v			04/24/20 19:51	1
Bromoform	ND		0.80		ppb v/v			04/24/20 19:51	1
Bromomethane	ND		0.80		ppb v/v			04/24/20 19:51	1
Carbon tetrachloride	ND		0.32		ppb v/v			04/24/20 19:51	1
Chlorobenzene	ND		0.80		ppb v/v			04/24/20 19:51	1
Chloroethane	ND		0.80		ppb v/v			04/24/20 19:51	1
Chloroform	ND		0.80		ppb v/v			04/24/20 19:51	1
Chloromethane	2.0	J	2.0		ppb v/v			04/24/20 19:51	COH
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			04/24/20 19:51	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 19:51	1
Cyclohexane	ND		2.0		ppb v/v			04/24/20 19:51	1
Dibromochloromethane	ND		0.80		ppb v/v			04/24/20 19:51	1
Dichlorodifluoromethane	1.3		0.80		ppb v/v			04/24/20 19:51	1
Ethanol	1000 E		20		ppb v/v			04/24/20 19:51	1
Ethylbenzene	ND		0.80		ppb v/v			04/24/20 19:51	1
Hexachlorobutadiene	ND	UJ	0.80		ppb v/v			04/24/20 19:51	CAL 1
Hexane	ND		2.0		ppb v/v			04/24/20 19:51	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			04/24/20 19:51	1
Methylene Chloride	ND		4.0		ppb v/v			04/24/20 19:51	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			04/24/20 19:51	1
Naphthalene	ND		2.0		ppb v/v			04/24/20 19:51	1
o-Xylene	ND		0.80		ppb v/v			04/24/20 19:51	1
Styrene	0.89		0.80		ppb v/v			04/24/20 19:51	1
t-Butyl alcohol	ND		3.2		ppb v/v			04/24/20 19:51	1
Tetrachloroethene	ND		0.80		ppb v/v			04/24/20 19:51	1
Toluene	ND		1.2		ppb v/v			04/24/20 19:51	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			04/24/20 19:51	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 19:51	1
Trichloroethene	0.68		0.36		ppb v/v			04/24/20 19:51	1
Trichlorofluoromethane	2.0		0.80		ppb v/v			04/24/20 19:51	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 12A

Lab Sample ID: 140-18908-11

Date Collected: 04/20/20 17:15

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.40		ppb v/v			04/24/20 19:51	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	67		4.4		ug/m3			04/24/20 19:51	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			04/24/20 19:51	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/24/20 19:51	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			04/24/20 19:51	1
1,1-Dichloroethane	8.2		3.2		ug/m3			04/24/20 19:51	1
1,1-Dichloroethene	4.1		1.6		ug/m3			04/24/20 19:51	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			04/24/20 19:51	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 19:51	1
1,2-Dibromoethane	ND		6.1		ug/m3			04/24/20 19:51	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 19:51	1
1,2-Dichloroethane	ND		3.2		ug/m3			04/24/20 19:51	1
1,2-Dichloropropane	ND		3.7		ug/m3			04/24/20 19:51	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			04/24/20 19:51	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 19:51	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 19:51	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 19:51	1
1,4-Dioxane	ND		7.2		ug/m3			04/24/20 19:51	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			04/24/20 19:51	1
2-Butanone	ND		9.4		ug/m3			04/24/20 19:51	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			04/24/20 19:51	1
Benzene	3.5		2.6		ug/m3			04/24/20 19:51	1
Benzyl chloride	ND		8.3		ug/m3			04/24/20 19:51	1
Bromodichloromethane	ND		5.4		ug/m3			04/24/20 19:51	1
Bromoform	ND		8.3		ug/m3			04/24/20 19:51	1
Bromomethane	ND		3.1		ug/m3			04/24/20 19:51	1
Carbon tetrachloride	ND		2.0		ug/m3			04/24/20 19:51	1
Chlorobenzene	ND		3.7		ug/m3			04/24/20 19:51	1
Chloroethane	ND		2.1		ug/m3			04/24/20 19:51	1
Chloroform	ND		3.9		ug/m3			04/24/20 19:51	1
Chloromethane	4.1		4.1		ug/m3			04/24/20 19:51	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			04/24/20 19:51	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 19:51	1
Cyclohexane	ND		6.9		ug/m3			04/24/20 19:51	1
Dibromochloromethane	ND		6.8		ug/m3			04/24/20 19:51	1
Dichlorodifluoromethane	6.4		4.0		ug/m3			04/24/20 19:51	1
Ethanol	2000-E		38		ug/m3			04/24/20 19:51	1
Ethylbenzene	ND		3.5		ug/m3			04/24/20 19:51	1
Hexachlorobutadiene	ND		8.5		ug/m3			04/24/20 19:51	1
Hexane	ND		7.0		ug/m3			04/24/20 19:51	1
Methyl tert-butyl ether	ND		5.8		ug/m3			04/24/20 19:51	1
Methylene Chloride	ND		14		ug/m3			04/24/20 19:51	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			04/24/20 19:51	1
Naphthalene	ND		10		ug/m3			04/24/20 19:51	1
o-Xylene	ND		3.5		ug/m3			04/24/20 19:51	1
Styrene	3.8		3.4		ug/m3			04/24/20 19:51	1
t-Butyl alcohol	ND		9.7		ug/m3			04/24/20 19:51	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: RM 12A

Lab Sample ID: 140-18908-11

Date Collected: 04/20/20 17:15

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.4		ug/m3			04/24/20 19:51	1
Toluene	ND		4.5		ug/m3			04/24/20 19:51	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/24/20 19:51	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 19:51	1
Trichloroethene	3.7		1.9		ug/m3			04/24/20 19:51	1
Trichlorofluoromethane	11		4.5		ug/m3			04/24/20 19:51	1
Vinyl chloride	ND		1.0		ug/m3			04/24/20 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		60 - 140		04/24/20 19:51	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1000	P	50		ppb v/v			04/27/20 21:09	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	2000	P	94		ug/m3			04/27/20 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		60 - 140		04/27/20 21:09	1

Client Sample ID: UTL 1-SS

Lab Sample ID: 140-18908-12

Date Collected: 04/20/20 17:05

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1400		11		ppb v/v			04/27/20 21:56	11.2
1,1,1,2-Tetrachloroethane	ND		11		ppb v/v			04/27/20 21:56	11.2
1,1,2-Trichloroethane	ND		11		ppb v/v			04/27/20 21:56	11.2
1,1,2-Trichlorotrifluoroethane	ND		11		ppb v/v			04/27/20 21:56	11.2
1,1-Dichloroethane	190		11		ppb v/v			04/27/20 21:56	11.2
1,1-Dichloroethene	70		5.6		ppb v/v			04/27/20 21:56	11.2
1,2,4-Trichlorobenzene	ND		11		ppb v/v			04/27/20 21:56	11.2
1,2,4-Trimethylbenzene	ND		11		ppb v/v			04/27/20 21:56	11.2
1,2-Dibromoethane	ND		11		ppb v/v			04/27/20 21:56	11.2
1,2-Dichlorobenzene	ND		11		ppb v/v			04/27/20 21:56	11.2
1,2-Dichloroethane	ND		11		ppb v/v			04/27/20 21:56	11.2
1,2-Dichloropropane	ND		11		ppb v/v			04/27/20 21:56	11.2
1,2-Dichlorotetrafluoroethane	ND		11		ppb v/v			04/27/20 21:56	11.2
1,3,5-Trimethylbenzene	ND		11		ppb v/v			04/27/20 21:56	11.2
1,3-Dichlorobenzene	ND		11		ppb v/v			04/27/20 21:56	11.2
1,4-Dichlorobenzene	ND		11		ppb v/v			04/27/20 21:56	11.2
1,4-Dioxane	ND		28		ppb v/v			04/27/20 21:56	11.2
2,2,4-Trimethylpentane	ND		28		ppb v/v			04/27/20 21:56	11.2
2-Butanone	ND		45		ppb v/v			04/27/20 21:56	11.2
4-Methyl-2-pentanone (MIBK)	ND		28		ppb v/v			04/27/20 21:56	11.2
Benzene	ND		11		ppb v/v			04/27/20 21:56	11.2
Benzyl chloride	ND		22		ppb v/v			04/27/20 21:56	11.2

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: UTL 1-SS

Lab Sample ID: 140-18908-12

Date Collected: 04/20/20 17:05

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		11		ppb v/v			04/27/20 21:56	11.2
Bromoform	ND		11		ppb v/v			04/27/20 21:56	11.2
Bromomethane	ND		11		ppb v/v			04/27/20 21:56	11.2
Carbon tetrachloride	ND		4.5		ppb v/v			04/27/20 21:56	11.2
Chlorobenzene	ND		11		ppb v/v			04/27/20 21:56	11.2
Chloroethane	ND		11		ppb v/v			04/27/20 21:56	11.2
Chloroform	ND		11		ppb v/v			04/27/20 21:56	11.2
Chloromethane	ND		28		ppb v/v			04/27/20 21:56	11.2
cis-1,2-Dichloroethene	ND		5.6		ppb v/v			04/27/20 21:56	11.2
cis-1,3-Dichloropropene	ND		11		ppb v/v			04/27/20 21:56	11.2
Cyclohexane	ND		28		ppb v/v			04/27/20 21:56	11.2
Dibromochloromethane	ND		11		ppb v/v			04/27/20 21:56	11.2
Dichlorodifluoromethane	ND		11		ppb v/v			04/27/20 21:56	11.2
Ethanol	1200		280		ppb v/v			04/27/20 21:56	11.2
Ethylbenzene	ND		11		ppb v/v			04/27/20 21:56	11.2
Hexachlorobutadiene	ND		11		ppb v/v			04/27/20 21:56	11.2
Hexane	ND		28		ppb v/v			04/27/20 21:56	11.2
Methyl tert-butyl ether	ND		22		ppb v/v			04/27/20 21:56	11.2
Methylene Chloride	ND		56		ppb v/v			04/27/20 21:56	11.2
m-Xylene & p-Xylene	ND		11		ppb v/v			04/27/20 21:56	11.2
Naphthalene	ND		28		ppb v/v			04/27/20 21:56	11.2
o-Xylene	ND		11		ppb v/v			04/27/20 21:56	11.2
Styrene	ND		11		ppb v/v			04/27/20 21:56	11.2
t-Butyl alcohol	ND		45		ppb v/v			04/27/20 21:56	11.2
Tetrachloroethene	ND		11		ppb v/v			04/27/20 21:56	11.2
Toluene	ND		17		ppb v/v			04/27/20 21:56	11.2
trans-1,2-Dichloroethene	ND		11		ppb v/v			04/27/20 21:56	11.2
trans-1,3-Dichloropropene	ND		11		ppb v/v			04/27/20 21:56	11.2
Trichloroethene	27		5.0		ppb v/v			04/27/20 21:56	11.2
Trichlorofluoromethane	ND		11		ppb v/v			04/27/20 21:56	11.2
Vinyl chloride	ND		5.6		ppb v/v			04/27/20 21:56	11.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	7500		61		ug/m3			04/27/20 21:56	11.2
1,1,2,2-Tetrachloroethane	ND		77		ug/m3			04/27/20 21:56	11.2
1,1,2-Trichloroethane	ND		61		ug/m3			04/27/20 21:56	11.2
1,1,2-Trichlorotrifluoroethane	ND		86		ug/m3			04/27/20 21:56	11.2
1,1-Dichloroethane	760		45		ug/m3			04/27/20 21:56	11.2
1,1-Dichloroethene	280		22		ug/m3			04/27/20 21:56	11.2
1,2,4-Trichlorobenzene	ND		83		ug/m3			04/27/20 21:56	11.2
1,2,4-Trimethylbenzene	ND		55		ug/m3			04/27/20 21:56	11.2
1,2-Dibromoethane	ND		86		ug/m3			04/27/20 21:56	11.2
1,2-Dichlorobenzene	ND		67		ug/m3			04/27/20 21:56	11.2
1,2-Dichloroethane	ND		45		ug/m3			04/27/20 21:56	11.2
1,2-Dichloropropane	ND		52		ug/m3			04/27/20 21:56	11.2
1,2-Dichlorotetrafluoroethane	ND		78		ug/m3			04/27/20 21:56	11.2
1,3,5-Trimethylbenzene	ND		55		ug/m3			04/27/20 21:56	11.2
1,3-Dichlorobenzene	ND		67		ug/m3			04/27/20 21:56	11.2
1,4-Dichlorobenzene	ND		67		ug/m3			04/27/20 21:56	11.2

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: UTL 1-SS

Lab Sample ID: 140-18908-12

Date Collected: 04/20/20 17:05

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100		ug/m3			04/27/20 21:56	11.2
2,2,4-Trimethylpentane	ND		130		ug/m3			04/27/20 21:56	11.2
2-Butanone	ND		130		ug/m3			04/27/20 21:56	11.2
4-Methyl-2-pentanone (MIBK)	ND		110		ug/m3			04/27/20 21:56	11.2
Benzene	ND		36		ug/m3			04/27/20 21:56	11.2
Benzyl chloride	ND	✓/WT	120		ug/m3			04/27/20 21:56	11.2
Bromodichloromethane	ND		75		ug/m3			04/27/20 21:56	11.2
Bromoform	ND		120		ug/m3			04/27/20 21:56	11.2
Bromomethane	ND		43		ug/m3			04/27/20 21:56	11.2
Carbon tetrachloride	ND		28		ug/m3			04/27/20 21:56	11.2
Chlorobenzene	ND		52		ug/m3			04/27/20 21:56	11.2
Chloroethane	ND		30		ug/m3			04/27/20 21:56	11.2
Chloroform	ND		55		ug/m3			04/27/20 21:56	11.2
Chloromethane	ND		58		ug/m3			04/27/20 21:56	11.2
cis-1,2-Dichloroethene	ND		22		ug/m3			04/27/20 21:56	11.2
cis-1,3-Dichloropropene	ND		51		ug/m3			04/27/20 21:56	11.2
Cyclohexane	ND		96		ug/m3			04/27/20 21:56	11.2
Dibromochloromethane	ND		95		ug/m3			04/27/20 21:56	11.2
Dichlorodifluoromethane	ND	✓/WT	55		ug/m3			04/27/20 21:56	11.2
Ethanol	2200		530		ug/m3			04/27/20 21:56	11.2
Ethylbenzene	ND		49		ug/m3			04/27/20 21:56	11.2
Hexachlorobutadiene	ND		120		ug/m3			04/27/20 21:56	11.2
Hexane	ND		99		ug/m3			04/27/20 21:56	11.2
Methyl tert-butyl ether	ND		81		ug/m3			04/27/20 21:56	11.2
Methylene Chloride	ND		190		ug/m3			04/27/20 21:56	11.2
m-Xylene & p-Xylene	ND		49		ug/m3			04/27/20 21:56	11.2
Naphthalene	ND		150		ug/m3			04/27/20 21:56	11.2
o-Xylene	ND		49		ug/m3			04/27/20 21:56	11.2
Styrene	ND		48		ug/m3			04/27/20 21:56	11.2
t-Butyl alcohol	ND		140		ug/m3			04/27/20 21:56	11.2
Tetrachloroethene	ND		76		ug/m3			04/27/20 21:56	11.2
Toluene	ND		63		ug/m3			04/27/20 21:56	11.2
trans-1,2-Dichloroethene	ND		44		ug/m3			04/27/20 21:56	11.2
trans-1,3-Dichloropropene	ND		51		ug/m3			04/27/20 21:56	11.2
Trichloroethene	140		27		ug/m3			04/27/20 21:56	11.2
Trichlorofluoromethane	ND		63		ug/m3			04/27/20 21:56	11.2
Vinyl chloride	ND		14		ug/m3			04/27/20 21:56	11.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		60 - 140		04/27/20 21:56	11.2

Client Sample ID: UTL 1-A

Lab Sample ID: 140-18908-13

Date Collected: 04/20/20 17:35

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	12		0.80		ppb v/v			04/24/20 21:26	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: UTL 1-A

Lab Sample ID: 140-18908-13

Date Collected: 04/20/20 17:35

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			04/24/20 21:26	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			04/24/20 21:26	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			04/24/20 21:26	1
1,1-Dichloroethane	2.0		0.80		ppb v/v			04/24/20 21:26	1
1,1-Dichloroethene	1.1		0.40		ppb v/v			04/24/20 21:26	1
1,2,4-Trichlorobenzene	ND	CLT	0.80		ppb v/v			04/24/20 21:26	CLH 1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 21:26	1
1,2-Dibromoethane	ND		0.80		ppb v/v			04/24/20 21:26	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 21:26	1
1,2-Dichloroethane	ND		0.80		ppb v/v			04/24/20 21:26	1
1,2-Dichloropropane	ND		0.80		ppb v/v			04/24/20 21:26	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			04/24/20 21:26	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 21:26	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 21:26	1
1,4-Dichlorobenzene	0.85		0.80		ppb v/v			04/24/20 21:26	1
1,4-Dioxane	ND		2.0		ppb v/v			04/24/20 21:26	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			04/24/20 21:26	1
2-Butanone	ND		3.2		ppb v/v			04/24/20 21:26	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			04/24/20 21:26	1
Benzene	1.0		0.80		ppb v/v			04/24/20 21:26	1
Benzyl chloride	ND		1.6		ppb v/v			04/24/20 21:26	1
Bromodichloromethane	ND		0.80		ppb v/v			04/24/20 21:26	1
Bromoform	ND		0.80		ppb v/v			04/24/20 21:26	1
Bromomethane	ND		0.80		ppb v/v			04/24/20 21:26	1
Carbon tetrachloride	ND		0.32		ppb v/v			04/24/20 21:26	1
Chlorobenzene	ND		0.80		ppb v/v			04/24/20 21:26	1
Chloroethane	ND		0.80		ppb v/v			04/24/20 21:26	1
Chloroform	ND		0.80		ppb v/v			04/24/20 21:26	1
Chloromethane	2.0	J	2.0		ppb v/v			04/24/20 21:26	CLH 1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			04/24/20 21:26	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 21:26	1
Cyclohexane	ND		2.0		ppb v/v			04/24/20 21:26	1
Dibromochloromethane	ND		0.80		ppb v/v			04/24/20 21:26	1
Dichlorodifluoromethane	1.3		0.80		ppb v/v			04/24/20 21:26	1
Ethanol	1100 E		20		ppb v/v			04/24/20 21:26	1
Ethylbenzene	ND		0.80		ppb v/v			04/24/20 21:26	1
Hexachlorobutadiene	ND	CLT	0.80		ppb v/v			04/24/20 21:26	CLL 1
Hexane	ND		2.0		ppb v/v			04/24/20 21:26	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			04/24/20 21:26	1
Methylene Chloride	ND		4.0		ppb v/v			04/24/20 21:26	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			04/24/20 21:26	1
Naphthalene	ND		2.0		ppb v/v			04/24/20 21:26	1
o-Xylene	ND		0.80		ppb v/v			04/24/20 21:26	1
Styrene	0.81		0.80		ppb v/v			04/24/20 21:26	1
t-Butyl alcohol	ND		3.2		ppb v/v			04/24/20 21:26	1
Tetrachloroethene	ND		0.80		ppb v/v			04/24/20 21:26	1
Toluene	ND		1.2		ppb v/v			04/24/20 21:26	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			04/24/20 21:26	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: UTL 1-A

Lab Sample ID: 140-18908-13

Date Collected: 04/20/20 17:35

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 21:26	1
Trichloroethene	0.49		0.36		ppb v/v			04/24/20 21:26	1
Trichlorofluoromethane	1.9		0.80		ppb v/v			04/24/20 21:26	1
Vinyl chloride	ND		0.40		ppb v/v			04/24/20 21:26	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	67		4.4		ug/m3			04/24/20 21:26	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			04/24/20 21:26	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/24/20 21:26	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			04/24/20 21:26	1
1,1-Dichloroethane	8.0		3.2		ug/m3			04/24/20 21:26	1
1,1-Dichloroethene	4.2		1.6		ug/m3			04/24/20 21:26	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			04/24/20 21:26	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 21:26	1
1,2-Dibromoethane	ND		6.1		ug/m3			04/24/20 21:26	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 21:26	1
1,2-Dichloroethane	ND		3.2		ug/m3			04/24/20 21:26	1
1,2-Dichloropropane	ND		3.7		ug/m3			04/24/20 21:26	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			04/24/20 21:26	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 21:26	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 21:26	1
1,4-Dichlorobenzene	5.1		4.8		ug/m3			04/24/20 21:26	1
1,4-Dioxane	ND		7.2		ug/m3			04/24/20 21:26	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			04/24/20 21:26	1
2-Butanone	ND		9.4		ug/m3			04/24/20 21:26	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			04/24/20 21:26	1
Benzene	3.3		2.6		ug/m3			04/24/20 21:26	1
Benzyl chloride	ND		8.3		ug/m3			04/24/20 21:26	1
Bromodichloromethane	ND		5.4		ug/m3			04/24/20 21:26	1
Bromoform	ND		8.3		ug/m3			04/24/20 21:26	1
Bromomethane	ND		3.1		ug/m3			04/24/20 21:26	1
Carbon tetrachloride	ND		2.0		ug/m3			04/24/20 21:26	1
Chlorobenzene	ND		3.7		ug/m3			04/24/20 21:26	1
Chloroethane	ND		2.1		ug/m3			04/24/20 21:26	1
Chloroform	ND		3.9		ug/m3			04/24/20 21:26	1
Chloromethane	4.1		4.1		ug/m3			04/24/20 21:26	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			04/24/20 21:26	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 21:26	1
Cyclohexane	ND		6.9		ug/m3			04/24/20 21:26	1
Dibromochloromethane	ND		6.8		ug/m3			04/24/20 21:26	1
Dichlorodifluoromethane	6.3		4.0		ug/m3			04/24/20 21:26	1
Ethanol	2000 E		38		ug/m3			04/24/20 21:26	1
Ethylbenzene	ND		3.5		ug/m3			04/24/20 21:26	1
Hexachlorobutadiene	ND		8.5		ug/m3			04/24/20 21:26	1
Hexane	ND		7.0		ug/m3			04/24/20 21:26	1
Methyl tert-butyl ether	ND		5.8		ug/m3			04/24/20 21:26	1
Methylene Chloride	ND		14		ug/m3			04/24/20 21:26	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			04/24/20 21:26	1
Naphthalene	ND		10		ug/m3			04/24/20 21:26	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: UTL 1-A

Lab Sample ID: 140-18908-13

Date Collected: 04/20/20 17:35

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		3.5		ug/m3			04/24/20 21:26	1
Styrene	3.5		3.4		ug/m3			04/24/20 21:26	1
t-Butyl alcohol	ND		9.7		ug/m3			04/24/20 21:26	1
Tetrachloroethene	ND		5.4		ug/m3			04/24/20 21:26	1
Toluene	ND		4.5		ug/m3			04/24/20 21:26	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/24/20 21:26	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 21:26	1
Trichloroethene	2.6		1.9		ug/m3			04/24/20 21:26	1
Trichlorofluoromethane	10		4.5		ug/m3			04/24/20 21:26	1
Vinyl chloride	ND		1.0		ug/m3			04/24/20 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		60 - 140		04/24/20 21:26	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1200	✓	50		ppb v/v			04/27/20 22:44	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	2300	✓	94		ug/m3			04/27/20 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		60 - 140		04/27/20 22:44	1

Client Sample ID: GRG 1-SS

Lab Sample ID: 140-18908-14

Date Collected: 04/20/20 17:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	39		0.80		ppb v/v			04/24/20 22:13	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			04/24/20 22:13	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			04/24/20 22:13	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			04/24/20 22:13	1
1,1-Dichloroethane	ND		0.80		ppb v/v			04/24/20 22:13	1
1,1-Dichloroethene	ND		0.40		ppb v/v			04/24/20 22:13	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			04/24/20 22:13	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 22:13	1
1,2-Dibromoethane	ND		0.80		ppb v/v			04/24/20 22:13	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 22:13	1
1,2-Dichloroethane	ND		0.80		ppb v/v			04/24/20 22:13	1
1,2-Dichloropropane	ND		0.80		ppb v/v			04/24/20 22:13	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			04/24/20 22:13	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 22:13	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 22:13	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 22:13	1
1,4-Dioxane	ND		2.0		ppb v/v			04/24/20 22:13	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			04/24/20 22:13	1
2-Butanone	ND		3.2		ppb v/v			04/24/20 22:13	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: GRG 1-SS

Lab Sample ID: 140-18908-14

Date Collected: 04/20/20 17:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			04/24/20 22:13	1
Benzene	1.3		0.80		ppb v/v			04/24/20 22:13	1
Benzyl chloride	ND		1.6		ppb v/v			04/24/20 22:13	1
Bromodichloromethane	ND		0.80		ppb v/v			04/24/20 22:13	1
Bromoform	ND		0.80		ppb v/v			04/24/20 22:13	1
Bromomethane	ND		0.80		ppb v/v			04/24/20 22:13	1
Carbon tetrachloride	0.36		0.32		ppb v/v			04/24/20 22:13	1
Chlorobenzene	ND		0.80		ppb v/v			04/24/20 22:13	1
Chloroethane	ND		0.80		ppb v/v			04/24/20 22:13	1
Chloroform	ND		0.80		ppb v/v			04/24/20 22:13	1
Chloromethane	ND <i>WT</i>		2.0		ppb v/v			04/24/20 22:13	<i>CC4</i> 1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			04/24/20 22:13	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 22:13	1
Cyclohexane	3.3		2.0		ppb v/v			04/24/20 22:13	1
Dibromochloromethane	ND		0.80		ppb v/v			04/24/20 22:13	1
Dichlorodifluoromethane	2.2		0.80		ppb v/v			04/24/20 22:13	1
Ethanol	1100 E		20		ppb v/v			04/24/20 22:13	1
Ethylbenzene	ND		0.80		ppb v/v			04/24/20 22:13	1
Hexachlorobutadiene	ND <i>WT</i>		0.80		ppb v/v			04/24/20 22:13	<i>CC4</i> 1
Hexane	7.9		2.0		ppb v/v			04/24/20 22:13	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			04/24/20 22:13	1
Methylene Chloride	ND		4.0		ppb v/v			04/24/20 22:13	1
m-Xylene & p-Xylene	0.96		0.80		ppb v/v			04/24/20 22:13	1
Naphthalene	ND		2.0		ppb v/v			04/24/20 22:13	1
o-Xylene	ND		0.80		ppb v/v			04/24/20 22:13	1
Styrene	2.0		0.80		ppb v/v			04/24/20 22:13	1
t-Butyl alcohol	ND		3.2		ppb v/v			04/24/20 22:13	1
Tetrachloroethene	ND		0.80		ppb v/v			04/24/20 22:13	1
Toluene	2.5		1.2		ppb v/v			04/24/20 22:13	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			04/24/20 22:13	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 22:13	1
Trichloroethene	ND		0.36		ppb v/v			04/24/20 22:13	1
Trichlorofluoromethane	ND		0.80		ppb v/v			04/24/20 22:13	1
Vinyl chloride	ND		0.40		ppb v/v			04/24/20 22:13	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	210		4.4		ug/m3			04/24/20 22:13	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			04/24/20 22:13	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/24/20 22:13	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			04/24/20 22:13	1
1,1-Dichloroethane	ND		3.2		ug/m3			04/24/20 22:13	1
1,1-Dichloroethene	ND		1.6		ug/m3			04/24/20 22:13	1
1,2,4-Trichlorobenzene	ND <i>WT</i>		5.9		ug/m3			04/24/20 22:13	<i>CC4</i> 1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 22:13	1
1,2-Dibromoethane	ND		6.1		ug/m3			04/24/20 22:13	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 22:13	1
1,2-Dichloroethane	ND		3.2		ug/m3			04/24/20 22:13	1
1,2-Dichloropropane	ND		3.7		ug/m3			04/24/20 22:13	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			04/24/20 22:13	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: GRG 1-SS

Lab Sample ID: 140-18908-14

Date Collected: 04/20/20 17:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 22:13	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 22:13	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 22:13	1
1,4-Dioxane	ND		7.2		ug/m3			04/24/20 22:13	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			04/24/20 22:13	1
2-Butanone	ND		9.4		ug/m3			04/24/20 22:13	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			04/24/20 22:13	1
Benzene	4.1		2.6		ug/m3			04/24/20 22:13	1
Benzyl chloride	ND		8.3		ug/m3			04/24/20 22:13	1
Bromodichloromethane	ND		5.4		ug/m3			04/24/20 22:13	1
Bromoform	ND		8.3		ug/m3			04/24/20 22:13	1
Bromomethane	ND		3.1		ug/m3			04/24/20 22:13	1
Carbon tetrachloride	2.3		2.0		ug/m3			04/24/20 22:13	1
Chlorobenzene	ND		3.7		ug/m3			04/24/20 22:13	1
Chloroethane	ND		2.1		ug/m3			04/24/20 22:13	1
Chloroform	ND		3.9		ug/m3			04/24/20 22:13	1
Chloromethane	ND		4.1		ug/m3			04/24/20 22:13	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			04/24/20 22:13	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 22:13	1
Cyclohexane	11		6.9		ug/m3			04/24/20 22:13	1
Dibromochloromethane	ND		6.8		ug/m3			04/24/20 22:13	1
Dichlorodifluoromethane	11		4.0		ug/m3			04/24/20 22:13	1
Ethanol	2000 E		38		ug/m3			04/24/20 22:13	1
Ethylbenzene	ND		3.5		ug/m3			04/24/20 22:13	1
Hexachlorobutadiene	ND		8.5		ug/m3			04/24/20 22:13	1
Hexane	28		7.0		ug/m3			04/24/20 22:13	1
Methyl tert-butyl ether	ND		5.8		ug/m3			04/24/20 22:13	1
Methylene Chloride	ND		14		ug/m3			04/24/20 22:13	1
m-Xylene & p-Xylene	4.2		3.5		ug/m3			04/24/20 22:13	1
Naphthalene	ND		10		ug/m3			04/24/20 22:13	1
o-Xylene	ND		3.5		ug/m3			04/24/20 22:13	1
Styrene	8.5		3.4		ug/m3			04/24/20 22:13	1
t-Butyl alcohol	ND		9.7		ug/m3			04/24/20 22:13	1
Tetrachloroethene	ND		5.4		ug/m3			04/24/20 22:13	1
Toluene	9.3		4.5		ug/m3			04/24/20 22:13	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/24/20 22:13	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 22:13	1
Trichloroethene	ND		1.9		ug/m3			04/24/20 22:13	1
Trichlorofluoromethane	ND		4.5		ug/m3			04/24/20 22:13	1
Vinyl chloride	ND		1.0		ug/m3			04/24/20 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140		04/24/20 22:13	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1000	D	50		ppb v/v			04/27/20 23:31	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1900	D	94		ug/m3			04/27/20 23:31	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: GRG 1-SS

Lab Sample ID: 140-18908-14

Date Collected: 04/20/20 17:50

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		60 - 140		04/27/20 23:31	1

Client Sample ID: OFC 2-SS

Lab Sample ID: 140-18908-15

Date Collected: 04/20/20 18:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10		0.80		ppb v/v			04/24/20 22:59	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			04/24/20 22:59	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			04/24/20 22:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			04/24/20 22:59	1
1,1-Dichloroethane	ND		0.80		ppb v/v			04/24/20 22:59	1
1,1-Dichloroethene	ND		0.40		ppb v/v			04/24/20 22:59	1
1,2,4-Trichlorobenzene	ND <i>WT</i>		0.80		ppb v/v			04/24/20 22:59	<i>CC4</i> 1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 22:59	1
1,2-Dibromoethane	ND		0.80		ppb v/v			04/24/20 22:59	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 22:59	1
1,2-Dichloroethane	ND		0.80		ppb v/v			04/24/20 22:59	1
1,2-Dichloropropane	ND		0.80		ppb v/v			04/24/20 22:59	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			04/24/20 22:59	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 22:59	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 22:59	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 22:59	1
1,4-Dioxane	ND		2.0		ppb v/v			04/24/20 22:59	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			04/24/20 22:59	1
2-Butanone	ND		3.2		ppb v/v			04/24/20 22:59	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			04/24/20 22:59	1
Benzene	2.0		0.80		ppb v/v			04/24/20 22:59	1
Benzyl chloride	ND		1.6		ppb v/v			04/24/20 22:59	1
Bromodichloromethane	ND		0.80		ppb v/v			04/24/20 22:59	1
Bromoform	ND		0.80		ppb v/v			04/24/20 22:59	1
Bromomethane	ND		0.80		ppb v/v			04/24/20 22:59	1
Carbon tetrachloride	ND		0.32		ppb v/v			04/24/20 22:59	1
Chlorobenzene	ND		0.80		ppb v/v			04/24/20 22:59	1
Chloroethane	ND		0.80		ppb v/v			04/24/20 22:59	1
Chloroform	ND		0.80		ppb v/v			04/24/20 22:59	1
Chloromethane	ND <i>WT</i>		2.0		ppb v/v			04/24/20 22:59	<i>CC4</i> 1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			04/24/20 22:59	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 22:59	1
Cyclohexane	3.3		2.0		ppb v/v			04/24/20 22:59	1
Dibromochloromethane	ND		0.80		ppb v/v			04/24/20 22:59	1
Dichlorodifluoromethane	2.3		0.80		ppb v/v			04/24/20 22:59	1
Ethanol	1100 E		20		ppb v/v			04/24/20 22:59	1
Ethylbenzene	ND		0.80		ppb v/v			04/24/20 22:59	1
Hexachlorobutadiene	ND <i>WT</i>		0.80		ppb v/v			04/24/20 22:59	<i>CC4</i> 1
Hexane	7.3		2.0		ppb v/v			04/24/20 22:59	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			04/24/20 22:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: OFC 2-SS

Lab Sample ID: 140-18908-15

Date Collected: 04/20/20 18:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		4.0		ppb v/v			04/24/20 22:59	1
m-Xylene & p-Xylene	0.95		0.80		ppb v/v			04/24/20 22:59	1
Naphthalene	ND		2.0		ppb v/v			04/24/20 22:59	1
o-Xylene	ND		0.80		ppb v/v			04/24/20 22:59	1
Styrene	ND		0.80		ppb v/v			04/24/20 22:59	1
t-Butyl alcohol	ND		3.2		ppb v/v			04/24/20 22:59	1
Tetrachloroethene	ND		0.80		ppb v/v			04/24/20 22:59	1
Toluene	2.2		1.2		ppb v/v			04/24/20 22:59	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			04/24/20 22:59	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 22:59	1
Trichloroethene	ND		0.36		ppb v/v			04/24/20 22:59	1
Trichlorofluoromethane	ND		0.80		ppb v/v			04/24/20 22:59	1
Vinyl chloride	ND		0.40		ppb v/v			04/24/20 22:59	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	57		4.4		ug/m3			04/24/20 22:59	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			04/24/20 22:59	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/24/20 22:59	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			04/24/20 22:59	1
1,1-Dichloroethane	ND		3.2		ug/m3			04/24/20 22:59	1
1,1-Dichloroethene	ND		1.6		ug/m3			04/24/20 22:59	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			04/24/20 22:59	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 22:59	1
1,2-Dibromoethane	ND		6.1		ug/m3			04/24/20 22:59	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 22:59	1
1,2-Dichloroethane	ND		3.2		ug/m3			04/24/20 22:59	1
1,2-Dichloropropane	ND		3.7		ug/m3			04/24/20 22:59	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			04/24/20 22:59	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 22:59	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 22:59	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 22:59	1
1,4-Dioxane	ND		7.2		ug/m3			04/24/20 22:59	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			04/24/20 22:59	1
2-Butanone	ND		9.4		ug/m3			04/24/20 22:59	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			04/24/20 22:59	1
Benzene	6.4		2.6		ug/m3			04/24/20 22:59	1
Benzyl chloride	ND		8.3		ug/m3			04/24/20 22:59	1
Bromodichloromethane	ND		5.4		ug/m3			04/24/20 22:59	1
Bromoform	ND		8.3		ug/m3			04/24/20 22:59	1
Bromomethane	ND		3.1		ug/m3			04/24/20 22:59	1
Carbon tetrachloride	ND		2.0		ug/m3			04/24/20 22:59	1
Chlorobenzene	ND		3.7		ug/m3			04/24/20 22:59	1
Chloroethane	ND		2.1		ug/m3			04/24/20 22:59	1
Chloroform	ND		3.9		ug/m3			04/24/20 22:59	1
Chloromethane	ND		4.1		ug/m3			04/24/20 22:59	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			04/24/20 22:59	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 22:59	1
Cyclohexane	11		6.9		ug/m3			04/24/20 22:59	1
Dibromochloromethane	ND		6.8		ug/m3			04/24/20 22:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: OFC 2-SS

Lab Sample ID: 140-18908-15

Date Collected: 04/20/20 18:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	12		4.0		ug/m3			04/24/20 22:59	1
Ethanol	2200 E		38		ug/m3			04/24/20 22:59	1
Ethylbenzene	ND		3.5		ug/m3			04/24/20 22:59	1
Hexachlorobutadiene	ND	WJ	8.5		ug/m3			04/24/20 22:59	CC4
Hexane	26		7.0		ug/m3			04/24/20 22:59	1
Methyl tert-butyl ether	ND		5.8		ug/m3			04/24/20 22:59	1
Methylene Chloride	ND		14		ug/m3			04/24/20 22:59	1
m-Xylene & p-Xylene	4.1		3.5		ug/m3			04/24/20 22:59	1
Naphthalene	ND		10		ug/m3			04/24/20 22:59	1
o-Xylene	ND		3.5		ug/m3			04/24/20 22:59	1
Styrene	ND		3.4		ug/m3			04/24/20 22:59	1
t-Butyl alcohol	ND		9.7		ug/m3			04/24/20 22:59	1
Tetrachloroethene	ND		5.4		ug/m3			04/24/20 22:59	1
Toluene	8.2		4.5		ug/m3			04/24/20 22:59	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/24/20 22:59	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 22:59	1
Trichloroethene	ND		1.9		ug/m3			04/24/20 22:59	1
Trichlorofluoromethane	ND		4.5		ug/m3			04/24/20 22:59	1
Vinyl chloride	ND		1.0		ug/m3			04/24/20 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140		04/24/20 22:59	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1200	D	50		ppb v/v			04/28/20 00:19	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	2200	D	94		ug/m3			04/28/20 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		60 - 140					04/28/20 00:19	1

Client Sample ID: OFC 2-A

Lab Sample ID: 140-18908-16

Date Collected: 04/20/20 18:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.9		0.80		ppb v/v			04/24/20 23:44	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			04/24/20 23:44	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			04/24/20 23:44	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			04/24/20 23:44	1
1,1-Dichloroethane	ND		0.80		ppb v/v			04/24/20 23:44	1
1,1-Dichloroethene	ND		0.40		ppb v/v			04/24/20 23:44	1
1,2,4-Trichlorobenzene	ND	WJ	0.80		ppb v/v			04/24/20 23:44	CC4
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 23:44	1
1,2-Dibromoethane	ND		0.80		ppb v/v			04/24/20 23:44	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 23:44	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: OFC 2-A

Lab Sample ID: 140-18908-16

Date Collected: 04/20/20 18:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.80		ppb v/v			04/24/20 23:44	1
1,2-Dichloropropane	ND		0.80		ppb v/v			04/24/20 23:44	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			04/24/20 23:44	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			04/24/20 23:44	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 23:44	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			04/24/20 23:44	1
1,4-Dioxane	ND		2.0		ppb v/v			04/24/20 23:44	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			04/24/20 23:44	1
2-Butanone	ND		3.2		ppb v/v			04/24/20 23:44	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			04/24/20 23:44	1
Benzene	ND		0.80		ppb v/v			04/24/20 23:44	1
Benzyl chloride	ND		1.6		ppb v/v			04/24/20 23:44	1
Bromodichloromethane	ND		0.80		ppb v/v			04/24/20 23:44	1
Bromoform	ND		0.80		ppb v/v			04/24/20 23:44	1
Bromomethane	ND		0.80		ppb v/v			04/24/20 23:44	1
Carbon tetrachloride	ND		0.32		ppb v/v			04/24/20 23:44	1
Chlorobenzene	ND		0.80		ppb v/v			04/24/20 23:44	1
Chloroethane	ND		0.80		ppb v/v			04/24/20 23:44	1
Chloroform	ND		0.80		ppb v/v			04/24/20 23:44	1
Chloromethane	ND		2.0		ppb v/v			04/24/20 23:44	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			04/24/20 23:44	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 23:44	1
Cyclohexane	ND		2.0		ppb v/v			04/24/20 23:44	1
Dibromochloromethane	ND		0.80		ppb v/v			04/24/20 23:44	1
Dichlorodifluoromethane	2.0		0.80		ppb v/v			04/24/20 23:44	1
Ethanol	540		20		ppb v/v			04/24/20 23:44	1
Ethylbenzene	ND		0.80		ppb v/v			04/24/20 23:44	1
Hexachlorobutadiene	ND		0.80		ppb v/v			04/24/20 23:44	1
Hexane	ND		2.0		ppb v/v			04/24/20 23:44	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			04/24/20 23:44	1
Methylene Chloride	ND		4.0		ppb v/v			04/24/20 23:44	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			04/24/20 23:44	1
Naphthalene	ND		2.0		ppb v/v			04/24/20 23:44	1
o-Xylene	ND		0.80		ppb v/v			04/24/20 23:44	1
Styrene	0.82		0.80		ppb v/v			04/24/20 23:44	1
t-Butyl alcohol	ND		3.2		ppb v/v			04/24/20 23:44	1
Tetrachloroethene	ND		0.80		ppb v/v			04/24/20 23:44	1
Toluene	ND		1.2		ppb v/v			04/24/20 23:44	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			04/24/20 23:44	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			04/24/20 23:44	1
Trichloroethene	ND		0.36		ppb v/v			04/24/20 23:44	1
Trichlorofluoromethane	1.3		0.80		ppb v/v			04/24/20 23:44	1
Vinyl chloride	ND		0.40		ppb v/v			04/24/20 23:44	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	16		4.4		ug/m3			04/24/20 23:44	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			04/24/20 23:44	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/24/20 23:44	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			04/24/20 23:44	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: OFC 2-A

Lab Sample ID: 140-18908-16

Date Collected: 04/20/20 18:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		3.2		ug/m3			04/24/20 23:44	1
1,1-Dichloroethene	ND		1.6		ug/m3			04/24/20 23:44	1
1,2,4-Trichlorobenzene	ND	W	5.9		ug/m3			04/24/20 23:44	CC4 1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 23:44	1
1,2-Dibromoethane	ND		6.1		ug/m3			04/24/20 23:44	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 23:44	1
1,2-Dichloroethane	ND		3.2		ug/m3			04/24/20 23:44	1
1,2-Dichloropropane	ND		3.7		ug/m3			04/24/20 23:44	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			04/24/20 23:44	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/24/20 23:44	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 23:44	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			04/24/20 23:44	1
1,4-Dioxane	ND		7.2		ug/m3			04/24/20 23:44	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			04/24/20 23:44	1
2-Butanone	ND		9.4		ug/m3			04/24/20 23:44	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			04/24/20 23:44	1
Benzene	ND		2.6		ug/m3			04/24/20 23:44	1
Benzyl chloride	ND		8.3		ug/m3			04/24/20 23:44	1
Bromodichloromethane	ND		5.4		ug/m3			04/24/20 23:44	1
Bromoform	ND		8.3		ug/m3			04/24/20 23:44	1
Bromomethane	ND		3.1		ug/m3			04/24/20 23:44	1
Carbon tetrachloride	ND		2.0		ug/m3			04/24/20 23:44	1
Chlorobenzene	ND		3.7		ug/m3			04/24/20 23:44	1
Chloroethane	ND		2.1		ug/m3			04/24/20 23:44	1
Chloroform	ND		3.9		ug/m3			04/24/20 23:44	1
Chloromethane	ND	W	4.1		ug/m3			04/24/20 23:44	CC4 1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			04/24/20 23:44	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 23:44	1
Cyclohexane	ND		6.9		ug/m3			04/24/20 23:44	1
Dibromochloromethane	ND		6.8		ug/m3			04/24/20 23:44	1
Dichlorodifluoromethane	9.7		4.0		ug/m3			04/24/20 23:44	1
Ethanol	1000		38		ug/m3			04/24/20 23:44	1
Ethylbenzene	ND		3.5		ug/m3			04/24/20 23:44	1
Hexachlorobutadiene	ND	W	8.5		ug/m3			04/24/20 23:44	CC4
Hexane	ND		7.0		ug/m3			04/24/20 23:44	1
Methyl tert-butyl ether	ND		5.8		ug/m3			04/24/20 23:44	1
Methylene Chloride	ND		14		ug/m3			04/24/20 23:44	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			04/24/20 23:44	1
Naphthalene	ND		10		ug/m3			04/24/20 23:44	1
o-Xylene	ND		3.5		ug/m3			04/24/20 23:44	1
Styrene	3.5		3.4		ug/m3			04/24/20 23:44	1
t-Butyl alcohol	ND		9.7		ug/m3			04/24/20 23:44	1
Tetrachloroethene	ND		5.4		ug/m3			04/24/20 23:44	1
Toluene	ND		4.5		ug/m3			04/24/20 23:44	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/24/20 23:44	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			04/24/20 23:44	1
Trichloroethene	ND		1.9		ug/m3			04/24/20 23:44	1
Trichlorofluoromethane	7.4		4.5		ug/m3			04/24/20 23:44	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 31 Tonawanda St- Off- Site #C915332

Job ID: 140-18908-1

Client Sample ID: OFC 2-A

Lab Sample ID: 140-18908-16

Date Collected: 04/20/20 18:00

Matrix: Air

Date Received: 04/21/20 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0		ug/m3			04/24/20 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140		04/24/20 23:44	1

SMK
7/18/20