

**FORMER GASTOWN MGP SITE
SITE NO. 915171**

**2024 LAB REPORTS
FOR THE GROUNDWATER COLLECTION
& TREATMENT SYSTEM**

Compliance samples were not collected in January and August 2024.

ANALYTICAL REPORT

PREPARED FOR

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Groundwater & Environmental Services Inc
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JOB DESCRIPTION

NYSDEC - 126 E. Niagara St.

JOB NUMBER

480-216949-1

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Job Notes

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

Authorization



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

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Job Narrative 480-216949-1

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

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

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

Receipt

The samples were received on 2/8/2024 2:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 15.8°C

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-700465 recovered outside acceptance criteria, low biased, for Naphthalene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were not detected above the reporting limit (RL) for the analyte(s), the data are reported.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: PRE-CARBON (480-216949-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: POST-CARBON 2 (480-216949-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OUTSIDE SUMP (480-216949-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-700599 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated sample is impacted: OUTSIDE SUMP (480-216949-3).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-700599 recovered outside control limits for the following analytes: Isopropylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is impacted: OUTSIDE SUMP (480-216949-3).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-700599 recovered outside control limits for the following analytes: tert-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is impacted: OUTSIDE SUMP (480-216949-3).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-700599 was outside the method criteria for the following analyte(s): Naphthalene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Client Sample ID: POST-CARBON 2

Lab Sample ID: 480-216949-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	14		10	2.1	ug/L	10		8260C	Total/NA
Benzene	650		10	4.1	ug/L	10		8260C	Total/NA
Ethylbenzene	29		10	7.4	ug/L	10		8260C	Total/NA
m,p-Xylene	22		20	6.6	ug/L	10		8260C	Total/NA
Naphthalene	8.4	J	10	4.3	ug/L	10		8260C	Total/NA
o-Xylene	21		10	7.6	ug/L	10		8260C	Total/NA
Toluene	120		10	5.1	ug/L	10		8260C	Total/NA
Xylenes, Total	43		20	6.6	ug/L	10		8260C	Total/NA

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-216949-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	940		50	21	ug/L	50		8260C	Total/NA
Toluene	130		50	26	ug/L	50		8260C	Total/NA

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-216949-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2700		50	21	ug/L	50		8260C	Total/NA
Ethylbenzene	160		50	37	ug/L	50		8260C	Total/NA
m,p-Xylene	70	J	100	33	ug/L	50		8260C	Total/NA
Naphthalene	260		50	22	ug/L	50		8260C	Total/NA
o-Xylene	41	J	50	38	ug/L	50		8260C	Total/NA
Toluene	460		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	110		100	33	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Client Sample ID: POST-CARBON 2

Lab Sample ID: 480-216949-1

Date Collected: 02/08/24 13:30

Matrix: Water

Date Received: 02/08/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			02/12/24 16:15	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			02/12/24 16:15	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			02/12/24 16:15	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			02/12/24 16:15	10
1,1-Dichloroethane	ND		10	3.8	ug/L			02/12/24 16:15	10
1,1-Dichloroethene	ND		10	2.9	ug/L			02/12/24 16:15	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			02/12/24 16:15	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			02/12/24 16:15	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			02/12/24 16:15	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			02/12/24 16:15	10
1,2-Dichloroethane	14		10	2.1	ug/L			02/12/24 16:15	10
1,2-Dichloropropane	ND		10	7.2	ug/L			02/12/24 16:15	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			02/12/24 16:15	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			02/12/24 16:15	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			02/12/24 16:15	10
2-Butanone (MEK)	ND		100	13	ug/L			02/12/24 16:15	10
2-Hexanone	ND		50	12	ug/L			02/12/24 16:15	10
4-Isopropyltoluene	ND		10	3.1	ug/L			02/12/24 16:15	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			02/12/24 16:15	10
Acetone	ND		100	30	ug/L			02/12/24 16:15	10
Benzene	650		10	4.1	ug/L			02/12/24 16:15	10
Bromoform	ND		10	2.6	ug/L			02/12/24 16:15	10
Bromomethane	ND		10	6.9	ug/L			02/12/24 16:15	10
Carbon disulfide	ND		10	1.9	ug/L			02/12/24 16:15	10
Carbon tetrachloride	ND		10	2.7	ug/L			02/12/24 16:15	10
Chlorobenzene	ND		10	7.5	ug/L			02/12/24 16:15	10
Dibromochloromethane	ND		10	3.2	ug/L			02/12/24 16:15	10
Chloroethane	ND		10	3.2	ug/L			02/12/24 16:15	10
Chloroform	ND		10	3.4	ug/L			02/12/24 16:15	10
Chloromethane	ND		10	3.5	ug/L			02/12/24 16:15	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			02/12/24 16:15	10
Cyclohexane	ND		10	1.8	ug/L			02/12/24 16:15	10
Bromodichloromethane	ND		10	3.9	ug/L			02/12/24 16:15	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			02/12/24 16:15	10
Ethylbenzene	29		10	7.4	ug/L			02/12/24 16:15	10
1,2-Dibromoethane	ND		10	7.3	ug/L			02/12/24 16:15	10
Isopropylbenzene	ND		10	7.9	ug/L			02/12/24 16:15	10
Methyl acetate	ND		25	13	ug/L			02/12/24 16:15	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			02/12/24 16:15	10
Methylcyclohexane	ND		10	1.6	ug/L			02/12/24 16:15	10
Methylene Chloride	ND		10	4.4	ug/L			02/12/24 16:15	10
m,p-Xylene	22		20	6.6	ug/L			02/12/24 16:15	10
Naphthalene	8.4 J		10	4.3	ug/L			02/12/24 16:15	10
n-Butylbenzene	ND		10	6.4	ug/L			02/12/24 16:15	10
N-Propylbenzene	ND		10	6.9	ug/L			02/12/24 16:15	10
o-Xylene	21		10	7.6	ug/L			02/12/24 16:15	10
sec-Butylbenzene	ND		10	7.5	ug/L			02/12/24 16:15	10
Tetrachloroethene	ND		10	3.6	ug/L			02/12/24 16:15	10
Toluene	120		10	5.1	ug/L			02/12/24 16:15	10

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Client Sample ID: POST-CARBON 2

Lab Sample ID: 480-216949-1

Date Collected: 02/08/24 13:30

Matrix: Water

Date Received: 02/08/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			02/12/24 16:15	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			02/12/24 16:15	10
Trichloroethene	ND		10	4.6	ug/L			02/12/24 16:15	10
Trichlorofluoromethane	ND		10	8.8	ug/L			02/12/24 16:15	10
Vinyl chloride	ND		10	9.0	ug/L			02/12/24 16:15	10
Xylenes, Total	43		20	6.6	ug/L			02/12/24 16:15	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			02/12/24 16:15	10
Styrene	ND		10	7.3	ug/L			02/12/24 16:15	10
tert-Butylbenzene	ND		10	8.1	ug/L			02/12/24 16:15	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		02/12/24 16:15	10
4-Bromofluorobenzene (Surr)	93		73 - 120		02/12/24 16:15	10
Toluene-d8 (Surr)	107		80 - 120		02/12/24 16:15	10
Dibromofluoromethane (Surr)	99		75 - 123		02/12/24 16:15	10

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-216949-2

Date Collected: 02/08/24 13:40

Matrix: Water

Date Received: 02/08/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			02/12/24 16:38	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			02/12/24 16:38	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			02/12/24 16:38	50
1,1,2-Trichloroethane	ND		50	12	ug/L			02/12/24 16:38	50
1,1-Dichloroethane	ND		50	19	ug/L			02/12/24 16:38	50
1,1-Dichloroethene	ND		50	15	ug/L			02/12/24 16:38	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			02/12/24 16:38	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			02/12/24 16:38	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			02/12/24 16:38	50
1,2-Dichlorobenzene	ND		50	40	ug/L			02/12/24 16:38	50
1,2-Dichloroethane	ND		50	11	ug/L			02/12/24 16:38	50
1,2-Dichloropropane	ND		50	36	ug/L			02/12/24 16:38	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			02/12/24 16:38	50
1,3-Dichlorobenzene	ND		50	39	ug/L			02/12/24 16:38	50
1,4-Dichlorobenzene	ND		50	42	ug/L			02/12/24 16:38	50
2-Butanone (MEK)	ND		500	66	ug/L			02/12/24 16:38	50
2-Hexanone	ND		250	62	ug/L			02/12/24 16:38	50
4-Isopropyltoluene	ND		50	16	ug/L			02/12/24 16:38	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			02/12/24 16:38	50
Acetone	ND		500	150	ug/L			02/12/24 16:38	50
Benzene	940		50	21	ug/L			02/12/24 16:38	50
Bromoform	ND		50	13	ug/L			02/12/24 16:38	50
Bromomethane	ND		50	35	ug/L			02/12/24 16:38	50
Carbon disulfide	ND		50	9.5	ug/L			02/12/24 16:38	50
Carbon tetrachloride	ND		50	14	ug/L			02/12/24 16:38	50
Chlorobenzene	ND		50	38	ug/L			02/12/24 16:38	50
Dibromochloromethane	ND		50	16	ug/L			02/12/24 16:38	50
Chloroethane	ND		50	16	ug/L			02/12/24 16:38	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-216949-2

Date Collected: 02/08/24 13:40

Matrix: Water

Date Received: 02/08/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		50	17	ug/L			02/12/24 16:38	50
Chloromethane	ND		50	18	ug/L			02/12/24 16:38	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			02/12/24 16:38	50
Cyclohexane	ND		50	9.0	ug/L			02/12/24 16:38	50
Bromodichloromethane	ND		50	20	ug/L			02/12/24 16:38	50
Dichlorodifluoromethane	ND		50	34	ug/L			02/12/24 16:38	50
Ethylbenzene	ND		50	37	ug/L			02/12/24 16:38	50
1,2-Dibromoethane	ND		50	37	ug/L			02/12/24 16:38	50
Isopropylbenzene	ND		50	40	ug/L			02/12/24 16:38	50
Methyl acetate	ND		130	65	ug/L			02/12/24 16:38	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			02/12/24 16:38	50
Methylcyclohexane	ND		50	8.0	ug/L			02/12/24 16:38	50
Methylene Chloride	ND		50	22	ug/L			02/12/24 16:38	50
m,p-Xylene	ND		100	33	ug/L			02/12/24 16:38	50
Naphthalene	ND		50	22	ug/L			02/12/24 16:38	50
n-Butylbenzene	ND		50	32	ug/L			02/12/24 16:38	50
N-Propylbenzene	ND		50	35	ug/L			02/12/24 16:38	50
o-Xylene	ND		50	38	ug/L			02/12/24 16:38	50
sec-Butylbenzene	ND		50	38	ug/L			02/12/24 16:38	50
Tetrachloroethene	ND		50	18	ug/L			02/12/24 16:38	50
Toluene	130		50	26	ug/L			02/12/24 16:38	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			02/12/24 16:38	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			02/12/24 16:38	50
Trichloroethene	ND		50	23	ug/L			02/12/24 16:38	50
Trichlorofluoromethane	ND		50	44	ug/L			02/12/24 16:38	50
Vinyl chloride	ND		50	45	ug/L			02/12/24 16:38	50
Xylenes, Total	ND		100	33	ug/L			02/12/24 16:38	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			02/12/24 16:38	50
Styrene	ND		50	37	ug/L			02/12/24 16:38	50
tert-Butylbenzene	ND		50	41	ug/L			02/12/24 16:38	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		02/12/24 16:38	50
4-Bromofluorobenzene (Surr)	96		73 - 120		02/12/24 16:38	50
Toluene-d8 (Surr)	108		80 - 120		02/12/24 16:38	50
Dibromofluoromethane (Surr)	101		75 - 123		02/12/24 16:38	50

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-216949-3

Date Collected: 02/08/24 13:50

Matrix: Water

Date Received: 02/08/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			02/13/24 13:17	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			02/13/24 13:17	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			02/13/24 13:17	50
1,1,2-Trichloroethane	ND		50	12	ug/L			02/13/24 13:17	50
1,1-Dichloroethane	ND		50	19	ug/L			02/13/24 13:17	50
1,1-Dichloroethene	ND		50	15	ug/L			02/13/24 13:17	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			02/13/24 13:17	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-216949-3

Date Collected: 02/08/24 13:50

Matrix: Water

Date Received: 02/08/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		50	38	ug/L			02/13/24 13:17	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			02/13/24 13:17	50
1,2-Dichlorobenzene	ND		50	40	ug/L			02/13/24 13:17	50
1,2-Dichloroethane	ND		50	11	ug/L			02/13/24 13:17	50
1,2-Dichloropropane	ND		50	36	ug/L			02/13/24 13:17	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			02/13/24 13:17	50
1,3-Dichlorobenzene	ND		50	39	ug/L			02/13/24 13:17	50
1,4-Dichlorobenzene	ND		50	42	ug/L			02/13/24 13:17	50
2-Butanone (MEK)	ND		500	66	ug/L			02/13/24 13:17	50
2-Hexanone	ND		250	62	ug/L			02/13/24 13:17	50
4-Isopropyltoluene	ND		50	16	ug/L			02/13/24 13:17	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			02/13/24 13:17	50
Acetone	ND		500	150	ug/L			02/13/24 13:17	50
Benzene	2700		50	21	ug/L			02/13/24 13:17	50
Bromoform	ND		50	13	ug/L			02/13/24 13:17	50
Bromomethane	ND		50	35	ug/L			02/13/24 13:17	50
Carbon disulfide	ND		50	9.5	ug/L			02/13/24 13:17	50
Carbon tetrachloride	ND		50	14	ug/L			02/13/24 13:17	50
Chlorobenzene	ND		50	38	ug/L			02/13/24 13:17	50
Dibromochloromethane	ND		50	16	ug/L			02/13/24 13:17	50
Chloroethane	ND		50	16	ug/L			02/13/24 13:17	50
Chloroform	ND		50	17	ug/L			02/13/24 13:17	50
Chloromethane	ND		50	18	ug/L			02/13/24 13:17	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			02/13/24 13:17	50
Cyclohexane	ND		50	9.0	ug/L			02/13/24 13:17	50
Bromodichloromethane	ND		50	20	ug/L			02/13/24 13:17	50
Dichlorodifluoromethane	ND		50	34	ug/L			02/13/24 13:17	50
Ethylbenzene	160		50	37	ug/L			02/13/24 13:17	50
1,2-Dibromoethane	ND		50	37	ug/L			02/13/24 13:17	50
Isopropylbenzene	ND	+	50	40	ug/L			02/13/24 13:17	50
Methyl acetate	ND		130	65	ug/L			02/13/24 13:17	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			02/13/24 13:17	50
Methylcyclohexane	ND		50	8.0	ug/L			02/13/24 13:17	50
Methylene Chloride	ND		50	22	ug/L			02/13/24 13:17	50
m,p-Xylene	70	J	100	33	ug/L			02/13/24 13:17	50
Naphthalene	260		50	22	ug/L			02/13/24 13:17	50
n-Butylbenzene	ND		50	32	ug/L			02/13/24 13:17	50
N-Propylbenzene	ND		50	35	ug/L			02/13/24 13:17	50
o-Xylene	41	J	50	38	ug/L			02/13/24 13:17	50
sec-Butylbenzene	ND		50	38	ug/L			02/13/24 13:17	50
Tetrachloroethene	ND		50	18	ug/L			02/13/24 13:17	50
Toluene	460		50	26	ug/L			02/13/24 13:17	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			02/13/24 13:17	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			02/13/24 13:17	50
Trichloroethene	ND		50	23	ug/L			02/13/24 13:17	50
Trichlorofluoromethane	ND		50	44	ug/L			02/13/24 13:17	50
Vinyl chloride	ND		50	45	ug/L			02/13/24 13:17	50
Xylenes, Total	110		100	33	ug/L			02/13/24 13:17	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			02/13/24 13:17	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-216949-3

Date Collected: 02/08/24 13:50

Matrix: Water

Date Received: 02/08/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		50	37	ug/L			02/13/24 13:17	50
tert-Butylbenzene	ND	*+	50	41	ug/L			02/13/24 13:17	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120					02/13/24 13:17	50
4-Bromofluorobenzene (Surr)	92		73 - 120					02/13/24 13:17	50
Toluene-d8 (Surr)	108		80 - 120					02/13/24 13:17	50
Dibromofluoromethane (Surr)	99		75 - 123					02/13/24 13:17	50

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-216949-1	POST-CARBON 2	99	93	107	99
480-216949-2	PRE-CARBON	104	96	108	101
480-216949-3	OUTSIDE SUMP	103	92	108	99
LCS 480-700465/6	Lab Control Sample	102	93	105	103
LCS 480-700599/6	Lab Control Sample	98	89	106	99
MB 480-700465/8	Method Blank	101	96	111	102
MB 480-700599/8	Method Blank	103	99	109	101

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

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

Lab Sample ID: MB 480-700465/8

Matrix: Water

Analysis Batch: 700465

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/12/24 12:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/12/24 12:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/12/24 12:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/12/24 12:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/12/24 12:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/12/24 12:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/12/24 12:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			02/12/24 12:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/12/24 12:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/12/24 12:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/12/24 12:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/12/24 12:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			02/12/24 12:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/12/24 12:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/12/24 12:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/12/24 12:36	1
2-Hexanone	ND		5.0	1.2	ug/L			02/12/24 12:36	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			02/12/24 12:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/12/24 12:36	1
Acetone	ND		10	3.0	ug/L			02/12/24 12:36	1
Benzene	ND		1.0	0.41	ug/L			02/12/24 12:36	1
Bromoform	ND		1.0	0.26	ug/L			02/12/24 12:36	1
Bromomethane	ND		1.0	0.69	ug/L			02/12/24 12:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/12/24 12:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/12/24 12:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/12/24 12:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/12/24 12:36	1
Chloroethane	ND		1.0	0.32	ug/L			02/12/24 12:36	1
Chloroform	ND		1.0	0.34	ug/L			02/12/24 12:36	1
Chloromethane	ND		1.0	0.35	ug/L			02/12/24 12:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/12/24 12:36	1
Cyclohexane	ND		1.0	0.18	ug/L			02/12/24 12:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/12/24 12:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/12/24 12:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/12/24 12:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/12/24 12:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/12/24 12:36	1
Methyl acetate	ND		2.5	1.3	ug/L			02/12/24 12:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/12/24 12:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/12/24 12:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/12/24 12:36	1
m,p-Xylene	ND		2.0	0.66	ug/L			02/12/24 12:36	1
Naphthalene	ND		1.0	0.43	ug/L			02/12/24 12:36	1
n-Butylbenzene	ND		1.0	0.64	ug/L			02/12/24 12:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			02/12/24 12:36	1
o-Xylene	ND		1.0	0.76	ug/L			02/12/24 12:36	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			02/12/24 12:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/12/24 12:36	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

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

Lab Sample ID: MB 480-700465/8

Matrix: Water

Analysis Batch: 700465

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			02/12/24 12:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/12/24 12:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/12/24 12:36	1
Trichloroethene	ND		1.0	0.46	ug/L			02/12/24 12:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/12/24 12:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/12/24 12:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/12/24 12:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/12/24 12:36	1
Styrene	ND		1.0	0.73	ug/L			02/12/24 12:36	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			02/12/24 12:36	1

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

Lab Sample ID: LCS 480-700465/6

Matrix: Water

Analysis Batch: 700465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.7		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.1		ug/L		116	61 - 148
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	25.8		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	27.4		ug/L		110	66 - 127
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		102	79 - 122
1,2,4-Trimethylbenzene	25.0	27.1		ug/L		108	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		89	56 - 134
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	26.4		ug/L		106	76 - 120
1,3,5-Trimethylbenzene	25.0	28.2		ug/L		113	77 - 121
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 120
2-Butanone (MEK)	125	111		ug/L		89	57 - 140
2-Hexanone	125	99.9		ug/L		80	65 - 127
4-Isopropyltoluene	25.0	28.2		ug/L		113	73 - 120
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	27.0		ug/L		108	71 - 124
Bromoform	25.0	23.3		ug/L		93	61 - 132
Bromomethane	25.0	24.6		ug/L		99	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

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

Lab Sample ID: LCS 480-700465/6

Matrix: Water

Analysis Batch: 700465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	26.4		ug/L		105	75 - 125
Chloroethane	25.0	25.8		ug/L		103	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	74 - 124
Cyclohexane	25.0	27.3		ug/L		109	59 - 135
Bromodichloromethane	25.0	26.9		ug/L		108	80 - 122
Dichlorodifluoromethane	25.0	22.5		ug/L		90	59 - 135
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
1,2-Dibromoethane	25.0	23.9		ug/L		95	77 - 120
Isopropylbenzene	25.0	29.0		ug/L		116	77 - 122
Methyl acetate	50.0	40.7		ug/L		81	74 - 133
Methyl tert-butyl ether	25.0	25.9		ug/L		104	77 - 120
Methylcyclohexane	25.0	27.4		ug/L		110	68 - 134
Methylene Chloride	25.0	28.8		ug/L		115	75 - 124
m,p-Xylene	25.0	25.9		ug/L		104	76 - 122
Naphthalene	25.0	22.5		ug/L		90	66 - 125
n-Butylbenzene	25.0	26.8		ug/L		107	71 - 128
N-Propylbenzene	25.0	27.3		ug/L		109	75 - 127
o-Xylene	25.0	26.3		ug/L		105	76 - 122
sec-Butylbenzene	25.0	29.3		ug/L		117	74 - 127
Tetrachloroethene	25.0	28.1		ug/L		112	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Trichloroethene	25.0	27.8		ug/L		111	74 - 123
Trichlorofluoromethane	25.0	28.9		ug/L		116	62 - 150
Vinyl chloride	25.0	25.0		ug/L		100	65 - 133
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Styrene	25.0	24.0		ug/L		96	80 - 120
tert-Butylbenzene	25.0	30.1		ug/L		120	75 - 123

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

Lab Sample ID: MB 480-700599/8

Matrix: Water

Analysis Batch: 700599

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/13/24 12:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/13/24 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/13/24 12:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/13/24 12:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/13/24 12:43	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

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

Lab Sample ID: MB 480-700599/8

Matrix: Water

Analysis Batch: 700599

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/13/24 12:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/13/24 12:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			02/13/24 12:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/13/24 12:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/13/24 12:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/13/24 12:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/13/24 12:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			02/13/24 12:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/13/24 12:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/13/24 12:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/13/24 12:43	1
2-Hexanone	ND		5.0	1.2	ug/L			02/13/24 12:43	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			02/13/24 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/13/24 12:43	1
Acetone	ND		10	3.0	ug/L			02/13/24 12:43	1
Benzene	ND		1.0	0.41	ug/L			02/13/24 12:43	1
Bromoform	ND		1.0	0.26	ug/L			02/13/24 12:43	1
Bromomethane	ND		1.0	0.69	ug/L			02/13/24 12:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/13/24 12:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/13/24 12:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/13/24 12:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/13/24 12:43	1
Chloroethane	ND		1.0	0.32	ug/L			02/13/24 12:43	1
Chloroform	ND		1.0	0.34	ug/L			02/13/24 12:43	1
Chloromethane	ND		1.0	0.35	ug/L			02/13/24 12:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/13/24 12:43	1
Cyclohexane	ND		1.0	0.18	ug/L			02/13/24 12:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/13/24 12:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/13/24 12:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/13/24 12:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/13/24 12:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/13/24 12:43	1
Methyl acetate	ND		2.5	1.3	ug/L			02/13/24 12:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/13/24 12:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/13/24 12:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/13/24 12:43	1
m,p-Xylene	ND		2.0	0.66	ug/L			02/13/24 12:43	1
Naphthalene	ND		1.0	0.43	ug/L			02/13/24 12:43	1
n-Butylbenzene	ND		1.0	0.64	ug/L			02/13/24 12:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			02/13/24 12:43	1
o-Xylene	ND		1.0	0.76	ug/L			02/13/24 12:43	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			02/13/24 12:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/13/24 12:43	1
Toluene	ND		1.0	0.51	ug/L			02/13/24 12:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/13/24 12:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/13/24 12:43	1
Trichloroethene	ND		1.0	0.46	ug/L			02/13/24 12:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/13/24 12:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/13/24 12:43	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

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

Lab Sample ID: MB 480-700599/8

Matrix: Water

Analysis Batch: 700599

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			02/13/24 12:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/13/24 12:43	1
Styrene	ND		1.0	0.73	ug/L			02/13/24 12:43	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			02/13/24 12:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		02/13/24 12:43	1
4-Bromofluorobenzene (Surr)	99		73 - 120		02/13/24 12:43	1
Toluene-d8 (Surr)	109		80 - 120		02/13/24 12:43	1
Dibromofluoromethane (Surr)	101		75 - 123		02/13/24 12:43	1

Lab Sample ID: LCS 480-700599/6

Matrix: Water

Analysis Batch: 700599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.2		ug/L		125	61 - 148
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	27.0		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	28.3		ug/L		113	66 - 127
1,2,4-Trichlorobenzene	25.0	27.3		ug/L		109	79 - 122
1,2,4-Trimethylbenzene	25.0	28.4		ug/L		114	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		88	56 - 134
1,2-Dichlorobenzene	25.0	26.9		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120
1,3,5-Trimethylbenzene	25.0	30.3		ug/L		121	77 - 121
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 120
2-Butanone (MEK)	125	112		ug/L		90	57 - 140
2-Hexanone	125	99.6		ug/L		80	65 - 127
4-Isopropyltoluene	25.0	30.0		ug/L		120	73 - 120
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	132		ug/L		106	56 - 142
Benzene	25.0	27.9		ug/L		112	71 - 124
Bromoform	25.0	22.8		ug/L		91	61 - 132
Bromomethane	25.0	24.1		ug/L		96	55 - 144
Carbon disulfide	25.0	27.2		ug/L		109	59 - 134
Carbon tetrachloride	25.0	27.8		ug/L		111	72 - 134
Chlorobenzene	25.0	26.4		ug/L		106	80 - 120
Dibromochloromethane	25.0	27.3		ug/L		109	75 - 125
Chloroethane	25.0	26.6		ug/L		107	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	22.2		ug/L		89	68 - 124
cis-1,2-Dichloroethene	25.0	27.2		ug/L		109	74 - 124
Cyclohexane	25.0	28.3		ug/L		113	59 - 135

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

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

Lab Sample ID: LCS 480-700599/6

Matrix: Water

Analysis Batch: 700599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	25.0	26.5		ug/L		106	80 - 122
Dichlorodifluoromethane	25.0	20.1		ug/L		81	59 - 135
Ethylbenzene	25.0	26.4		ug/L		106	77 - 123
1,2-Dibromoethane	25.0	24.4		ug/L		98	77 - 120
Isopropylbenzene	25.0	31.5	*+	ug/L		126	77 - 122
Methyl acetate	50.0	40.6		ug/L		81	74 - 133
Methyl tert-butyl ether	25.0	25.7		ug/L		103	77 - 120
Methylcyclohexane	25.0	28.3		ug/L		113	68 - 134
Methylene Chloride	25.0	29.9		ug/L		119	75 - 124
m,p-Xylene	25.0	26.4		ug/L		106	76 - 122
Naphthalene	25.0	23.6		ug/L		94	66 - 125
n-Butylbenzene	25.0	28.7		ug/L		115	71 - 128
N-Propylbenzene	25.0	28.3		ug/L		113	75 - 127
o-Xylene	25.0	27.6		ug/L		110	76 - 122
sec-Butylbenzene	25.0	31.6		ug/L		126	74 - 127
Tetrachloroethene	25.0	29.3		ug/L		117	74 - 122
Toluene	25.0	29.3		ug/L		117	80 - 122
trans-1,2-Dichloroethene	25.0	28.1		ug/L		113	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	28.2		ug/L		113	74 - 123
Trichlorofluoromethane	25.0	27.4		ug/L		110	62 - 150
Vinyl chloride	25.0	24.2		ug/L		97	65 - 133
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Styrene	25.0	23.9		ug/L		96	80 - 120
tert-Butylbenzene	25.0	31.9	*+	ug/L		128	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

GC/MS VOA

Analysis Batch: 700465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216949-1	POST-CARBON 2	Total/NA	Water	8260C	
480-216949-2	PRE-CARBON	Total/NA	Water	8260C	
MB 480-700465/8	Method Blank	Total/NA	Water	8260C	
LCS 480-700465/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 700599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216949-3	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-700599/8	Method Blank	Total/NA	Water	8260C	
LCS 480-700599/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Client Sample ID: POST-CARBON 2
Date Collected: 02/08/24 13:30
Date Received: 02/08/24 14:05

Lab Sample ID: 480-216949-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	700465	CC	EET BUF	02/12/24 16:15

Client Sample ID: PRE-CARBON
Date Collected: 02/08/24 13:40
Date Received: 02/08/24 14:05

Lab Sample ID: 480-216949-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	700465	CC	EET BUF	02/12/24 16:38

Client Sample ID: OUTSIDE SUMP
Date Collected: 02/08/24 13:50
Date Received: 02/08/24 14:05

Lab Sample ID: 480-216949-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	700599	CC	EET BUF	02/13/24 13:17

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Laboratory: Eurofins Buffalo

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

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

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-216949-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-216949-1	POST-CARBON 2	Water	02/08/24 13:30	02/08/24 14:05
480-216949-2	PRE-CARBON	Water	02/08/24 13:40	02/08/24 14:05
480-216949-3	OUTSIDE SUMP	Water	02/08/24 13:50	02/08/24 14:05

[illegible]

480-216949 Chain of Custody

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☐ Standard 14 Days _____ / _____

☐ 1 day RUSH _____ / _____

☒ Other 10-day TAT _____ / _____

Laboratory Information

Lab: Eurofins
Address: 10 Hazelwood Dr. Amherst, NY 14228
Phone: 716-691-2600
Lab PM: John Beninati
Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format compatible with most recent DEC format
- ☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

FOEDD Name: NYSDEC/Tonawanda/NY/ENiagaraSt/126 LabReport#.17811.FOEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler:	Date / Time:	Received By:
1 <u>Jessica Peterson GES</u>	1 <u>2/8/24 1400</u>	1
Relinquished By :	Date / Time:	Received By:
2	2	2
Relinquished By :	Date / Time:	Received By:
3	3	3 <u>NA/B 2/8/24</u>
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice Cooler Temp <u>15.8 #1 w/ ice</u>

1405

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-216949-1

Login Number: 216949

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

Generated 3/14/2024 12:18:31 PM

JOB DESCRIPTION

NYSDEC - 126 E. Niagara St.

JOB NUMBER

480-217558-1

Eurofins Buffalo

Job Notes

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

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

Authorization



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Authorized for release by
John Beninati, Project Manager I
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(716)504-9874

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Job ID: 480-217558-1

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Job Narrative 480-217558-1

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

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

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

Receipt

The samples were received on 3/7/2024 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 14.2°C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: POST CARBON 1 (480-217558-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-703122 recovered outside control limits for the following analytes: Chloromethane and Dichlorodifluoromethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: POST CARBON 3 (480-217558-1) and POST CARBON 1 (480-217558-3).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PRE-CARBON (480-217558-4) and OUTSIDE SUMP (480-217558-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-703349 recovered above the upper control limit for 2-Hexanone, Cyclohexane, 4-Methyl-2-pentanone (MIBK), 2-Butanone (MEK), and Chloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: POST CARBON 2 (480-217558-2), PRE-CARBON (480-217558-4) and OUTSIDE SUMP (480-217558-5).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-703349 recovered outside control limits for the following analytes: Acetone, 2-Hexanone, Chloromethane, and 4-Methyl-2-pentanone (MIBK). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: POST CARBON 2 (480-217558-2), PRE-CARBON (480-217558-4) and OUTSIDE SUMP (480-217558-5).

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: POST CARBON 3

Lab Sample ID: 480-217558-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.5	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-217558-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.42	J	1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: POST CARBON 1

Lab Sample ID: 480-217558-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	630		10	4.1	ug/L	10		8260C	Total/NA
Ethylbenzene	39		10	7.4	ug/L	10		8260C	Total/NA
m,p-Xylene	26		20	6.6	ug/L	10		8260C	Total/NA
Naphthalene	51		10	4.3	ug/L	10		8260C	Total/NA
o-Xylene	17		10	7.6	ug/L	10		8260C	Total/NA
Toluene	91		10	5.1	ug/L	10		8260C	Total/NA
Xylenes, Total	43		20	6.6	ug/L	10		8260C	Total/NA

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-217558-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	860		20	8.2	ug/L	20		8260C	Total/NA
Ethylbenzene	43		20	15	ug/L	20		8260C	Total/NA
m,p-Xylene	27	J	40	13	ug/L	20		8260C	Total/NA
Naphthalene	56		20	8.6	ug/L	20		8260C	Total/NA
o-Xylene	18	J	20	15	ug/L	20		8260C	Total/NA
Toluene	110		20	10	ug/L	20		8260C	Total/NA
Xylenes, Total	45		40	13	ug/L	20		8260C	Total/NA

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-217558-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2400		50	21	ug/L	50		8260C	Total/NA
Ethylbenzene	140		50	37	ug/L	50		8260C	Total/NA
m,p-Xylene	60	J	100	33	ug/L	50		8260C	Total/NA
Naphthalene	220		50	22	ug/L	50		8260C	Total/NA
Toluene	300		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	60	J	100	33	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: POST CARBON 3

Lab Sample ID: 480-217558-1

Date Collected: 03/06/24 13:10

Matrix: Water

Date Received: 03/07/24 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/09/24 00:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/09/24 00:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/09/24 00:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/09/24 00:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/09/24 00:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/09/24 00:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/09/24 00:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/09/24 00:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/09/24 00:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/09/24 00:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/09/24 00:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/09/24 00:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/09/24 00:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/09/24 00:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/09/24 00:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/09/24 00:28	1
2-Hexanone	ND		5.0	1.2	ug/L			03/09/24 00:28	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/09/24 00:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/09/24 00:28	1
Acetone	5.5	J	10	3.0	ug/L			03/09/24 00:28	1
Benzene	ND		1.0	0.41	ug/L			03/09/24 00:28	1
Bromoform	ND		1.0	0.26	ug/L			03/09/24 00:28	1
Bromomethane	ND		1.0	0.69	ug/L			03/09/24 00:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/09/24 00:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/09/24 00:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/09/24 00:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/09/24 00:28	1
Chloroethane	ND		1.0	0.32	ug/L			03/09/24 00:28	1
Chloroform	ND		1.0	0.34	ug/L			03/09/24 00:28	1
Chloromethane	ND	*+	1.0	0.35	ug/L			03/09/24 00:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/09/24 00:28	1
Cyclohexane	ND		1.0	0.18	ug/L			03/09/24 00:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/09/24 00:28	1
Dichlorodifluoromethane	ND	*+	1.0	0.68	ug/L			03/09/24 00:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/09/24 00:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/09/24 00:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/09/24 00:28	1
Methyl acetate	ND		2.5	1.3	ug/L			03/09/24 00:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/09/24 00:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/09/24 00:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/09/24 00:28	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/09/24 00:28	1
Naphthalene	ND		1.0	0.43	ug/L			03/09/24 00:28	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/09/24 00:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/09/24 00:28	1
o-Xylene	ND		1.0	0.76	ug/L			03/09/24 00:28	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/09/24 00:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/09/24 00:28	1
Toluene	ND		1.0	0.51	ug/L			03/09/24 00:28	1

Euofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: POST CARBON 3

Lab Sample ID: 480-217558-1

Date Collected: 03/06/24 13:10

Matrix: Water

Date Received: 03/07/24 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/09/24 00:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/09/24 00:28	1
Trichloroethene	ND		1.0	0.46	ug/L			03/09/24 00:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/09/24 00:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/09/24 00:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/09/24 00:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/09/24 00:28	1
Styrene	ND		1.0	0.73	ug/L			03/09/24 00:28	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/09/24 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		03/09/24 00:28	1
4-Bromofluorobenzene (Surr)	99		73 - 120		03/09/24 00:28	1
Toluene-d8 (Surr)	101		80 - 120		03/09/24 00:28	1
Dibromofluoromethane (Surr)	103		75 - 123		03/09/24 00:28	1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-217558-2

Date Collected: 03/06/24 13:20

Matrix: Water

Date Received: 03/07/24 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/12/24 15:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/24 15:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/24 15:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/24 15:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/24 15:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/24 15:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/24 15:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/12/24 15:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/24 15:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/12/24 15:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/24 15:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/24 15:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/12/24 15:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/24 15:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/24 15:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/24 15:41	1
2-Hexanone	ND	+	5.0	1.2	ug/L			03/12/24 15:41	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/12/24 15:41	1
4-Methyl-2-pentanone (MIBK)	ND	+	5.0	2.1	ug/L			03/12/24 15:41	1
Acetone	ND	+	10	3.0	ug/L			03/12/24 15:41	1
Benzene	0.42	J	1.0	0.41	ug/L			03/12/24 15:41	1
Bromoform	ND		1.0	0.26	ug/L			03/12/24 15:41	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/24 15:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/24 15:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/24 15:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/24 15:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/24 15:41	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/24 15:41	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-217558-2

Date Collected: 03/06/24 13:20

Matrix: Water

Date Received: 03/07/24 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			03/12/24 15:41	1
Chloromethane	ND	++	1.0	0.35	ug/L			03/12/24 15:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/24 15:41	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/24 15:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/24 15:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/24 15:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/24 15:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/12/24 15:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/12/24 15:41	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/24 15:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/24 15:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/24 15:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/24 15:41	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/12/24 15:41	1
Naphthalene	ND		1.0	0.43	ug/L			03/12/24 15:41	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/12/24 15:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/12/24 15:41	1
o-Xylene	ND		1.0	0.76	ug/L			03/12/24 15:41	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/12/24 15:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/24 15:41	1
Toluene	ND		1.0	0.51	ug/L			03/12/24 15:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/24 15:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/24 15:41	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/24 15:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/24 15:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/24 15:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/24 15:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/24 15:41	1
Styrene	ND		1.0	0.73	ug/L			03/12/24 15:41	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/12/24 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		03/12/24 15:41	1
4-Bromofluorobenzene (Surr)	92		73 - 120		03/12/24 15:41	1
Toluene-d8 (Surr)	96		80 - 120		03/12/24 15:41	1
Dibromofluoromethane (Surr)	102		75 - 123		03/12/24 15:41	1

Client Sample ID: POST CARBON 1

Lab Sample ID: 480-217558-3

Date Collected: 03/06/24 13:30

Matrix: Water

Date Received: 03/07/24 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			03/09/24 00:51	10
1,1,1,2-Tetrachloroethane	ND		10	2.1	ug/L			03/09/24 00:51	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			03/09/24 00:51	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/09/24 00:51	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/09/24 00:51	10
1,1-Dichloroethene	ND		10	2.9	ug/L			03/09/24 00:51	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			03/09/24 00:51	10

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: POST CARBON 1

Lab Sample ID: 480-217558-3

Date Collected: 03/06/24 13:30

Matrix: Water

Date Received: 03/07/24 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			03/09/24 00:51	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			03/09/24 00:51	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			03/09/24 00:51	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/09/24 00:51	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/09/24 00:51	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			03/09/24 00:51	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			03/09/24 00:51	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			03/09/24 00:51	10
2-Butanone (MEK)	ND		100	13	ug/L			03/09/24 00:51	10
2-Hexanone	ND		50	12	ug/L			03/09/24 00:51	10
4-Isopropyltoluene	ND		10	3.1	ug/L			03/09/24 00:51	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/09/24 00:51	10
Acetone	ND		100	30	ug/L			03/09/24 00:51	10
Benzene	630		10	4.1	ug/L			03/09/24 00:51	10
Bromoform	ND		10	2.6	ug/L			03/09/24 00:51	10
Bromomethane	ND		10	6.9	ug/L			03/09/24 00:51	10
Carbon disulfide	ND		10	1.9	ug/L			03/09/24 00:51	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/09/24 00:51	10
Chlorobenzene	ND		10	7.5	ug/L			03/09/24 00:51	10
Dibromochloromethane	ND		10	3.2	ug/L			03/09/24 00:51	10
Chloroethane	ND		10	3.2	ug/L			03/09/24 00:51	10
Chloroform	ND		10	3.4	ug/L			03/09/24 00:51	10
Chloromethane	ND	+	10	3.5	ug/L			03/09/24 00:51	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			03/09/24 00:51	10
Cyclohexane	ND		10	1.8	ug/L			03/09/24 00:51	10
Bromodichloromethane	ND		10	3.9	ug/L			03/09/24 00:51	10
Dichlorodifluoromethane	ND	+	10	6.8	ug/L			03/09/24 00:51	10
Ethylbenzene	39		10	7.4	ug/L			03/09/24 00:51	10
1,2-Dibromoethane	ND		10	7.3	ug/L			03/09/24 00:51	10
Isopropylbenzene	ND		10	7.9	ug/L			03/09/24 00:51	10
Methyl acetate	ND		25	13	ug/L			03/09/24 00:51	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			03/09/24 00:51	10
Methylcyclohexane	ND		10	1.6	ug/L			03/09/24 00:51	10
Methylene Chloride	ND		10	4.4	ug/L			03/09/24 00:51	10
m,p-Xylene	26		20	6.6	ug/L			03/09/24 00:51	10
Naphthalene	51		10	4.3	ug/L			03/09/24 00:51	10
n-Butylbenzene	ND		10	6.4	ug/L			03/09/24 00:51	10
N-Propylbenzene	ND		10	6.9	ug/L			03/09/24 00:51	10
o-Xylene	17		10	7.6	ug/L			03/09/24 00:51	10
sec-Butylbenzene	ND		10	7.5	ug/L			03/09/24 00:51	10
Tetrachloroethene	ND		10	3.6	ug/L			03/09/24 00:51	10
Toluene	91		10	5.1	ug/L			03/09/24 00:51	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/09/24 00:51	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/09/24 00:51	10
Trichloroethene	ND		10	4.6	ug/L			03/09/24 00:51	10
Trichlorofluoromethane	ND		10	8.8	ug/L			03/09/24 00:51	10
Vinyl chloride	ND		10	9.0	ug/L			03/09/24 00:51	10
Xylenes, Total	43		20	6.6	ug/L			03/09/24 00:51	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/09/24 00:51	10

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: POST CARBON 1

Lab Sample ID: 480-217558-3

Date Collected: 03/06/24 13:30

Matrix: Water

Date Received: 03/07/24 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		10	7.3	ug/L			03/09/24 00:51	10
tert-Butylbenzene	ND		10	8.1	ug/L			03/09/24 00:51	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					03/09/24 00:51	10
4-Bromofluorobenzene (Surr)	98		73 - 120					03/09/24 00:51	10
Toluene-d8 (Surr)	101		80 - 120					03/09/24 00:51	10
Dibromofluoromethane (Surr)	101		75 - 123					03/09/24 00:51	10

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-217558-4

Date Collected: 03/06/24 13:40

Matrix: Water

Date Received: 03/07/24 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			03/12/24 16:04	20
1,1,1,2-Tetrachloroethane	ND		20	4.2	ug/L			03/12/24 16:04	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			03/12/24 16:04	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			03/12/24 16:04	20
1,1-Dichloroethane	ND		20	7.6	ug/L			03/12/24 16:04	20
1,1-Dichloroethene	ND		20	5.8	ug/L			03/12/24 16:04	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			03/12/24 16:04	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			03/12/24 16:04	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			03/12/24 16:04	20
1,2-Dichlorobenzene	ND		20	16	ug/L			03/12/24 16:04	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/12/24 16:04	20
1,2-Dichloropropane	ND		20	14	ug/L			03/12/24 16:04	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			03/12/24 16:04	20
1,3-Dichlorobenzene	ND		20	16	ug/L			03/12/24 16:04	20
1,4-Dichlorobenzene	ND		20	17	ug/L			03/12/24 16:04	20
2-Butanone (MEK)	ND		200	26	ug/L			03/12/24 16:04	20
2-Hexanone	ND	+	100	25	ug/L			03/12/24 16:04	20
4-Isopropyltoluene	ND		20	6.2	ug/L			03/12/24 16:04	20
4-Methyl-2-pentanone (MIBK)	ND	+	100	42	ug/L			03/12/24 16:04	20
Acetone	ND	+	200	60	ug/L			03/12/24 16:04	20
Benzene	860		20	8.2	ug/L			03/12/24 16:04	20
Bromoform	ND		20	5.2	ug/L			03/12/24 16:04	20
Bromomethane	ND		20	14	ug/L			03/12/24 16:04	20
Carbon disulfide	ND		20	3.8	ug/L			03/12/24 16:04	20
Carbon tetrachloride	ND		20	5.4	ug/L			03/12/24 16:04	20
Chlorobenzene	ND		20	15	ug/L			03/12/24 16:04	20
Dibromochloromethane	ND		20	6.4	ug/L			03/12/24 16:04	20
Chloroethane	ND		20	6.4	ug/L			03/12/24 16:04	20
Chloroform	ND		20	6.8	ug/L			03/12/24 16:04	20
Chloromethane	ND	+	20	7.0	ug/L			03/12/24 16:04	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			03/12/24 16:04	20
Cyclohexane	ND		20	3.6	ug/L			03/12/24 16:04	20
Bromodichloromethane	ND		20	7.8	ug/L			03/12/24 16:04	20
Dichlorodifluoromethane	ND		20	14	ug/L			03/12/24 16:04	20
Ethylbenzene	43		20	15	ug/L			03/12/24 16:04	20

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-217558-4

Date Collected: 03/06/24 13:40

Matrix: Water

Date Received: 03/07/24 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		20	15	ug/L			03/12/24 16:04	20
Isopropylbenzene	ND		20	16	ug/L			03/12/24 16:04	20
Methyl acetate	ND		50	26	ug/L			03/12/24 16:04	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			03/12/24 16:04	20
Methylcyclohexane	ND		20	3.2	ug/L			03/12/24 16:04	20
Methylene Chloride	ND		20	8.8	ug/L			03/12/24 16:04	20
m,p-Xylene	27	J	40	13	ug/L			03/12/24 16:04	20
Naphthalene	56		20	8.6	ug/L			03/12/24 16:04	20
n-Butylbenzene	ND		20	13	ug/L			03/12/24 16:04	20
N-Propylbenzene	ND		20	14	ug/L			03/12/24 16:04	20
o-Xylene	18	J	20	15	ug/L			03/12/24 16:04	20
sec-Butylbenzene	ND		20	15	ug/L			03/12/24 16:04	20
Tetrachloroethene	ND		20	7.2	ug/L			03/12/24 16:04	20
Toluene	110		20	10	ug/L			03/12/24 16:04	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			03/12/24 16:04	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			03/12/24 16:04	20
Trichloroethene	ND		20	9.2	ug/L			03/12/24 16:04	20
Trichlorofluoromethane	ND		20	18	ug/L			03/12/24 16:04	20
Vinyl chloride	ND		20	18	ug/L			03/12/24 16:04	20
Xylenes, Total	45		40	13	ug/L			03/12/24 16:04	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			03/12/24 16:04	20
Styrene	ND		20	15	ug/L			03/12/24 16:04	20
tert-Butylbenzene	ND		20	16	ug/L			03/12/24 16:04	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		03/12/24 16:04	20
4-Bromofluorobenzene (Surr)	95		73 - 120		03/12/24 16:04	20
Toluene-d8 (Surr)	94		80 - 120		03/12/24 16:04	20
Dibromofluoromethane (Surr)	99		75 - 123		03/12/24 16:04	20

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-217558-5

Date Collected: 03/06/24 13:50

Matrix: Water

Date Received: 03/07/24 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			03/12/24 16:27	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			03/12/24 16:27	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			03/12/24 16:27	50
1,1,2-Trichloroethane	ND		50	12	ug/L			03/12/24 16:27	50
1,1-Dichloroethane	ND		50	19	ug/L			03/12/24 16:27	50
1,1-Dichloroethene	ND		50	15	ug/L			03/12/24 16:27	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			03/12/24 16:27	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			03/12/24 16:27	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			03/12/24 16:27	50
1,2-Dichlorobenzene	ND		50	40	ug/L			03/12/24 16:27	50
1,2-Dichloroethane	ND		50	11	ug/L			03/12/24 16:27	50
1,2-Dichloropropane	ND		50	36	ug/L			03/12/24 16:27	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			03/12/24 16:27	50
1,3-Dichlorobenzene	ND		50	39	ug/L			03/12/24 16:27	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-217558-5

Date Collected: 03/06/24 13:50

Matrix: Water

Date Received: 03/07/24 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		50	42	ug/L			03/12/24 16:27	50
2-Butanone (MEK)	ND		500	66	ug/L			03/12/24 16:27	50
2-Hexanone	ND	*+	250	62	ug/L			03/12/24 16:27	50
4-Isopropyltoluene	ND		50	16	ug/L			03/12/24 16:27	50
4-Methyl-2-pentanone (MIBK)	ND	*+	250	110	ug/L			03/12/24 16:27	50
Acetone	ND	*+	500	150	ug/L			03/12/24 16:27	50
Benzene	2400		50	21	ug/L			03/12/24 16:27	50
Bromoform	ND		50	13	ug/L			03/12/24 16:27	50
Bromomethane	ND		50	35	ug/L			03/12/24 16:27	50
Carbon disulfide	ND		50	9.5	ug/L			03/12/24 16:27	50
Carbon tetrachloride	ND		50	14	ug/L			03/12/24 16:27	50
Chlorobenzene	ND		50	38	ug/L			03/12/24 16:27	50
Dibromochloromethane	ND		50	16	ug/L			03/12/24 16:27	50
Chloroethane	ND		50	16	ug/L			03/12/24 16:27	50
Chloroform	ND		50	17	ug/L			03/12/24 16:27	50
Chloromethane	ND	*+	50	18	ug/L			03/12/24 16:27	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			03/12/24 16:27	50
Cyclohexane	ND		50	9.0	ug/L			03/12/24 16:27	50
Bromodichloromethane	ND		50	20	ug/L			03/12/24 16:27	50
Dichlorodifluoromethane	ND		50	34	ug/L			03/12/24 16:27	50
Ethylbenzene	140		50	37	ug/L			03/12/24 16:27	50
1,2-Dibromoethane	ND		50	37	ug/L			03/12/24 16:27	50
Isopropylbenzene	ND		50	40	ug/L			03/12/24 16:27	50
Methyl acetate	ND		130	65	ug/L			03/12/24 16:27	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			03/12/24 16:27	50
Methylcyclohexane	ND		50	8.0	ug/L			03/12/24 16:27	50
Methylene Chloride	ND		50	22	ug/L			03/12/24 16:27	50
m,p-Xylene	60 J		100	33	ug/L			03/12/24 16:27	50
Naphthalene	220		50	22	ug/L			03/12/24 16:27	50
n-Butylbenzene	ND		50	32	ug/L			03/12/24 16:27	50
N-Propylbenzene	ND		50	35	ug/L			03/12/24 16:27	50
o-Xylene	ND		50	38	ug/L			03/12/24 16:27	50
sec-Butylbenzene	ND		50	38	ug/L			03/12/24 16:27	50
Tetrachloroethene	ND		50	18	ug/L			03/12/24 16:27	50
Toluene	300		50	26	ug/L			03/12/24 16:27	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			03/12/24 16:27	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			03/12/24 16:27	50
Trichloroethene	ND		50	23	ug/L			03/12/24 16:27	50
Trichlorofluoromethane	ND		50	44	ug/L			03/12/24 16:27	50
Vinyl chloride	ND		50	45	ug/L			03/12/24 16:27	50
Xylenes, Total	60 J		100	33	ug/L			03/12/24 16:27	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			03/12/24 16:27	50
Styrene	ND		50	37	ug/L			03/12/24 16:27	50
tert-Butylbenzene	ND		50	41	ug/L			03/12/24 16:27	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		03/12/24 16:27	50
4-Bromofluorobenzene (Surr)	92		73 - 120		03/12/24 16:27	50
Toluene-d8 (Surr)	94		80 - 120		03/12/24 16:27	50
Dibromofluoromethane (Surr)	100		75 - 123		03/12/24 16:27	50

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Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-217558-1	POST CARBON 3	107	99	101	103
480-217558-2	POST CARBON 2	109	92	96	102
480-217558-3	POST CARBON 1	106	98	101	101
480-217558-4	PRE-CARBON	104	95	94	99
480-217558-5	OUTSIDE SUMP	106	92	94	100
LCS 480-703122/6	Lab Control Sample	99	97	99	99
LCS 480-703349/6	Lab Control Sample	108	103	106	103
LCSD 480-703122/50	Lab Control Sample Dup	101	95	98	99
MB 480-703122/8	Method Blank	107	99	101	101
MB 480-703349/8	Method Blank	107	94	102	101

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Lab Sample ID: MB 480-703122/8

Matrix: Water

Analysis Batch: 703122

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/08/24 23:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/08/24 23:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/08/24 23:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/08/24 23:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/08/24 23:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/08/24 23:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/08/24 23:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/08/24 23:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/08/24 23:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/08/24 23:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/08/24 23:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/08/24 23:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/08/24 23:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/08/24 23:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/08/24 23:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/08/24 23:18	1
2-Hexanone	ND		5.0	1.2	ug/L			03/08/24 23:18	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/08/24 23:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/08/24 23:18	1
Acetone	ND		10	3.0	ug/L			03/08/24 23:18	1
Benzene	ND		1.0	0.41	ug/L			03/08/24 23:18	1
Bromoform	ND		1.0	0.26	ug/L			03/08/24 23:18	1
Bromomethane	ND		1.0	0.69	ug/L			03/08/24 23:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/08/24 23:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/08/24 23:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/08/24 23:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/08/24 23:18	1
Chloroethane	ND		1.0	0.32	ug/L			03/08/24 23:18	1
Chloroform	ND		1.0	0.34	ug/L			03/08/24 23:18	1
Chloromethane	ND		1.0	0.35	ug/L			03/08/24 23:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/08/24 23:18	1
Cyclohexane	ND		1.0	0.18	ug/L			03/08/24 23:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/08/24 23:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/08/24 23:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/08/24 23:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/08/24 23:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/08/24 23:18	1
Methyl acetate	ND		2.5	1.3	ug/L			03/08/24 23:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/08/24 23:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/08/24 23:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/08/24 23:18	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/08/24 23:18	1
Naphthalene	ND		1.0	0.43	ug/L			03/08/24 23:18	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/08/24 23:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/08/24 23:18	1
o-Xylene	ND		1.0	0.76	ug/L			03/08/24 23:18	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/08/24 23:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/08/24 23:18	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Lab Sample ID: MB 480-703122/8

Matrix: Water

Analysis Batch: 703122

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			03/08/24 23:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/08/24 23:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/08/24 23:18	1
Trichloroethene	ND		1.0	0.46	ug/L			03/08/24 23:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/08/24 23:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/08/24 23:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/08/24 23:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/08/24 23:18	1
Styrene	ND		1.0	0.73	ug/L			03/08/24 23:18	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/08/24 23:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		03/08/24 23:18	1
4-Bromofluorobenzene (Surr)	99		73 - 120		03/08/24 23:18	1
Toluene-d8 (Surr)	101		80 - 120		03/08/24 23:18	1
Dibromofluoromethane (Surr)	101		75 - 123		03/08/24 23:18	1

Lab Sample ID: LCS 480-703122/6

Matrix: Water

Analysis Batch: 703122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.6		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.0		ug/L		96	61 - 148
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	24.3		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	22.5		ug/L		90	79 - 122
1,2,4-Trimethylbenzene	25.0	23.9		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 124
1,2-Dichloroethane	25.0	23.3		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
1,3,5-Trimethylbenzene	25.0	24.6		ug/L		98	77 - 121
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.3		ug/L		89	80 - 120
2-Butanone (MEK)	125	134		ug/L		107	57 - 140
2-Hexanone	125	133		ug/L		107	65 - 127
4-Isopropyltoluene	25.0	24.6		ug/L		98	73 - 120
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	71 - 125
Acetone	125	124		ug/L		99	56 - 142
Benzene	25.0	23.1		ug/L		93	71 - 124
Bromoform	25.0	23.3		ug/L		93	61 - 132
Bromomethane	25.0	26.2		ug/L		105	55 - 144
Carbon disulfide	25.0	23.6		ug/L		95	59 - 134
Carbon tetrachloride	25.0	24.6		ug/L		98	72 - 134
Chlorobenzene	25.0	22.7		ug/L		91	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Lab Sample ID: LCS 480-703122/6

Matrix: Water

Analysis Batch: 703122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	23.3		ug/L		93	75 - 125
Chloroethane	25.0	26.0		ug/L		104	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	31.6	*+	ug/L		126	68 - 124
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
Cyclohexane	25.0	27.3		ug/L		109	59 - 135
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Dichlorodifluoromethane	25.0	34.1	*+	ug/L		136	59 - 135
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	23.3		ug/L		93	77 - 120
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
Methyl acetate	50.0	48.7		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	22.5		ug/L		90	77 - 120
Methylcyclohexane	25.0	25.5		ug/L		102	68 - 134
Methylene Chloride	25.0	21.2		ug/L		85	75 - 124
m,p-Xylene	25.0	23.9		ug/L		96	76 - 122
Naphthalene	25.0	23.0		ug/L		92	66 - 125
n-Butylbenzene	25.0	25.0		ug/L		100	71 - 128
N-Propylbenzene	25.0	25.0		ug/L		100	75 - 127
o-Xylene	25.0	23.4		ug/L		94	76 - 122
sec-Butylbenzene	25.0	24.8		ug/L		99	74 - 127
Tetrachloroethene	25.0	24.4		ug/L		98	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	24.1		ug/L		96	80 - 120
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	25.1		ug/L		100	62 - 150
Vinyl chloride	25.0	29.3		ug/L		117	65 - 133
cis-1,3-Dichloropropene	25.0	23.2		ug/L		93	74 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
tert-Butylbenzene	25.0	24.1		ug/L		96	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: LCSD 480-703122/50

Matrix: Water

Analysis Batch: 703122

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	73 - 126	1	15
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.6		ug/L		90	61 - 148	6	20
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122	0	15
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120	0	20

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Lab Sample ID: LCSD 480-703122/50

Matrix: Water

Analysis Batch: 703122

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	21.3		ug/L		85	66 - 127	7	16
1,2,4-Trichlorobenzene	25.0	21.5		ug/L		86	79 - 122	5	20
1,2,4-Trimethylbenzene	25.0	23.4		ug/L		93	76 - 121	2	20
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134	0	15
1,2-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 124	0	20
1,2-Dichloroethane	25.0	23.6		ug/L		95	75 - 120	1	20
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120	0	20
1,3,5-Trimethylbenzene	25.0	23.8		ug/L		95	77 - 121	3	20
1,3-Dichlorobenzene	25.0	22.4		ug/L		89	77 - 120	3	20
1,4-Dichlorobenzene	25.0	22.1		ug/L		89	80 - 120	1	20
2-Butanone (MEK)	125	139		ug/L		111	57 - 140	4	20
2-Hexanone	125	144		ug/L		115	65 - 127	8	15
4-Isopropyltoluene	25.0	23.8		ug/L		95	73 - 120	3	20
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		106	71 - 125	3	35
Acetone	125	123		ug/L		99	56 - 142	0	15
Benzene	25.0	23.0		ug/L		92	71 - 124	1	13
Bromoform	25.0	21.2		ug/L		85	61 - 132	9	15
Bromomethane	25.0	25.0		ug/L		100	55 - 144	4	15
Carbon disulfide	25.0	21.4		ug/L		86	59 - 134	10	15
Carbon tetrachloride	25.0	24.3		ug/L		97	72 - 134	1	15
Chlorobenzene	25.0	22.2		ug/L		89	80 - 120	2	25
Dibromochloromethane	25.0	22.8		ug/L		91	75 - 125	2	15
Chloroethane	25.0	25.2		ug/L		101	69 - 136	3	15
Chloroform	25.0	23.1		ug/L		93	73 - 127	2	20
Chloromethane	25.0	32.4	*+	ug/L		130	68 - 124	3	15
cis-1,2-Dichloroethene	25.0	22.2		ug/L		89	74 - 124	5	15
Cyclohexane	25.0	27.0		ug/L		108	59 - 135	1	20
Bromodichloromethane	25.0	23.3		ug/L		93	80 - 122	2	15
Dichlorodifluoromethane	25.0	31.2		ug/L		125	59 - 135	9	20
Ethylbenzene	25.0	23.1		ug/L		93	77 - 123	5	15
1,2-Dibromoethane	25.0	22.6		ug/L		90	77 - 120	3	15
Isopropylbenzene	25.0	23.6		ug/L		95	77 - 122	5	20
Methyl acetate	50.0	51.1		ug/L		102	74 - 133	5	20
Methyl tert-butyl ether	25.0	22.1		ug/L		88	77 - 120	2	37
Methylcyclohexane	25.0	23.3		ug/L		93	68 - 134	9	20
Methylene Chloride	25.0	22.8		ug/L		91	75 - 124	7	15
m,p-Xylene	25.0	22.4		ug/L		90	76 - 122	6	16
Naphthalene	25.0	22.0		ug/L		88	66 - 125	5	20
n-Butylbenzene	25.0	23.8		ug/L		95	71 - 128	5	15
N-Propylbenzene	25.0	24.0		ug/L		96	75 - 127	4	15
o-Xylene	25.0	22.4		ug/L		90	76 - 122	4	16
sec-Butylbenzene	25.0	24.0		ug/L		96	74 - 127	3	15
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122	4	20
Toluene	25.0	23.5		ug/L		94	80 - 122	5	15
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127	1	20
trans-1,3-Dichloropropene	25.0	21.2		ug/L		85	80 - 120	13	15
Trichloroethene	25.0	23.7		ug/L		95	74 - 123	1	16
Trichlorofluoromethane	25.0	25.4		ug/L		102	62 - 150	1	20
Vinyl chloride	25.0	29.0		ug/L		116	65 - 133	1	15

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Lab Sample ID: LCSD 480-703122/50

Matrix: Water

Analysis Batch: 703122

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	25.0	22.1		ug/L		88	74 - 124	5	15
Styrene	25.0	23.0		ug/L		92	80 - 120	2	20
tert-Butylbenzene	25.0	23.7		ug/L		95	75 - 123	2	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: MB 480-703349/8

Matrix: Water

Analysis Batch: 703349

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/12/24 12:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/24 12:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/24 12:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/24 12:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/24 12:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/24 12:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/24 12:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/12/24 12:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/24 12:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/12/24 12:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/24 12:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/24 12:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/12/24 12:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/24 12:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/24 12:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/24 12:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/24 12:55	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/12/24 12:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/24 12:55	1
Acetone	ND		10	3.0	ug/L			03/12/24 12:55	1
Benzene	ND		1.0	0.41	ug/L			03/12/24 12:55	1
Bromoform	ND		1.0	0.26	ug/L			03/12/24 12:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/24 12:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/24 12:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/24 12:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/24 12:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/24 12:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/24 12:55	1
Chloroform	ND		1.0	0.34	ug/L			03/12/24 12:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/24 12:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/24 12:55	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/24 12:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/24 12:55	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Lab Sample ID: MB 480-703349/8

Matrix: Water

Analysis Batch: 703349

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/24 12:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/24 12:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/12/24 12:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/12/24 12:55	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/24 12:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/24 12:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/24 12:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/24 12:55	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/12/24 12:55	1
Naphthalene	ND		1.0	0.43	ug/L			03/12/24 12:55	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/12/24 12:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/12/24 12:55	1
o-Xylene	ND		1.0	0.76	ug/L			03/12/24 12:55	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/12/24 12:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/24 12:55	1
Toluene	ND		1.0	0.51	ug/L			03/12/24 12:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/24 12:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/24 12:55	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/24 12:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/24 12:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/24 12:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/24 12:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/24 12:55	1
Styrene	ND		1.0	0.73	ug/L			03/12/24 12:55	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/12/24 12:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		03/12/24 12:55	1
4-Bromofluorobenzene (Surr)	94		73 - 120		03/12/24 12:55	1
Toluene-d8 (Surr)	102		80 - 120		03/12/24 12:55	1
Dibromofluoromethane (Surr)	101		75 - 123		03/12/24 12:55	1

Lab Sample ID: LCS 480-703349/6

Matrix: Water

Analysis Batch: 703349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.3		ug/L		109	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.0		ug/L		112	61 - 148
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	76 - 122
1,1-Dichloroethane	25.0	28.2		ug/L		113	77 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	25.2		ug/L		101	79 - 122
1,2,4-Trimethylbenzene	25.0	27.0		ug/L		108	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	29.4		ug/L		118	56 - 134
1,2-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	26.3		ug/L		105	75 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Lab Sample ID: LCS 480-703349/6

Matrix: Water

Analysis Batch: 703349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	25.0	27.4		ug/L		109	76 - 120
1,3,5-Trimethylbenzene	25.0	27.5		ug/L		110	77 - 121
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.4		ug/L		101	80 - 120
2-Butanone (MEK)	125	174		ug/L		140	57 - 140
2-Hexanone	125	181	*+	ug/L		145	65 - 127
4-Isopropyltoluene	25.0	27.8		ug/L		111	73 - 120
4-Methyl-2-pentanone (MIBK)	125	160	*+	ug/L		128	71 - 125
Acetone	125	194	*+	ug/L		155	56 - 142
Benzene	25.0	26.2		ug/L		105	71 - 124
Bromoform	25.0	26.4		ug/L		106	61 - 132
Bromomethane	25.0	25.8		ug/L		103	55 - 144
Carbon disulfide	25.0	26.9		ug/L		108	59 - 134
Carbon tetrachloride	25.0	28.1		ug/L		112	72 - 134
Chlorobenzene	25.0	25.8		ug/L		103	80 - 120
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Chloroethane	25.0	24.8		ug/L		99	69 - 136
Chloroform	25.0	27.0		ug/L		108	73 - 127
Chloromethane	25.0	31.6	*+	ug/L		126	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	25.0	32.2		ug/L		129	59 - 135
Bromodichloromethane	25.0	26.5		ug/L		106	80 - 122
Dichlorodifluoromethane	25.0	32.5		ug/L		130	59 - 135
Ethylbenzene	25.0	27.9		ug/L		112	77 - 123
1,2-Dibromoethane	25.0	27.1		ug/L		109	77 - 120
Isopropylbenzene	25.0	27.4		ug/L		109	77 - 122
Methyl acetate	50.0	58.8		ug/L		118	74 - 133
Methyl tert-butyl ether	25.0	25.5		ug/L		102	77 - 120
Methylcyclohexane	25.0	28.5		ug/L		114	68 - 134
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124
m,p-Xylene	25.0	26.9		ug/L		108	76 - 122
Naphthalene	25.0	26.0		ug/L		104	66 - 125
n-Butylbenzene	25.0	28.0		ug/L		112	71 - 128
N-Propylbenzene	25.0	27.9		ug/L		112	75 - 127
o-Xylene	25.0	26.9		ug/L		108	76 - 122
sec-Butylbenzene	25.0	27.8		ug/L		111	74 - 127
Tetrachloroethene	25.0	27.5		ug/L		110	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	26.3		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
Trichloroethene	25.0	27.4		ug/L		110	74 - 123
Trichlorofluoromethane	25.0	25.4		ug/L		102	62 - 150
Vinyl chloride	25.0	29.2		ug/L		117	65 - 133
cis-1,3-Dichloropropene	25.0	27.1		ug/L		109	74 - 124
Styrene	25.0	27.1		ug/L		108	80 - 120
tert-Butylbenzene	25.0	26.1		ug/L		104	75 - 123

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

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

Lab Sample ID: LCS 480-703349/6

Matrix: Water

Analysis Batch: 703349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

GC/MS VOA

Analysis Batch: 703122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217558-1	POST CARBON 3	Total/NA	Water	8260C	
480-217558-3	POST CARBON 1	Total/NA	Water	8260C	
MB 480-703122/8	Method Blank	Total/NA	Water	8260C	
LCS 480-703122/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-703122/50	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 703349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217558-2	POST CARBON 2	Total/NA	Water	8260C	
480-217558-4	PRE-CARBON	Total/NA	Water	8260C	
480-217558-5	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-703349/8	Method Blank	Total/NA	Water	8260C	
LCS 480-703349/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Client Sample ID: POST CARBON 3

Date Collected: 03/06/24 13:10

Date Received: 03/07/24 14:00

Lab Sample ID: 480-217558-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	703122	ZN	EET BUF	03/09/24 00:28

Client Sample ID: POST CARBON 2

Date Collected: 03/06/24 13:20

Date Received: 03/07/24 14:00

Lab Sample ID: 480-217558-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	703349	ZN	EET BUF	03/12/24 15:41

Client Sample ID: POST CARBON 1

Date Collected: 03/06/24 13:30

Date Received: 03/07/24 14:00

Lab Sample ID: 480-217558-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	703122	ZN	EET BUF	03/09/24 00:51

Client Sample ID: PRE-CARBON

Date Collected: 03/06/24 13:40

Date Received: 03/07/24 14:00

Lab Sample ID: 480-217558-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	703349	ZN	EET BUF	03/12/24 16:04

Client Sample ID: OUTSIDE SUMP

Date Collected: 03/06/24 13:50

Date Received: 03/07/24 14:00

Lab Sample ID: 480-217558-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	703349	ZN	EET BUF	03/12/24 16:27

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Laboratory: Eurofins Buffalo

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

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

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-217558-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-217558-1	POST CARBON 3	Water	03/06/24 13:10	03/07/24 14:00
480-217558-2	POST CARBON 2	Water	03/06/24 13:20	03/07/24 14:00
480-217558-3	POST CARBON 1	Water	03/06/24 13:30	03/07/24 14:00
480-217558-4	PRE-CARBON	Water	03/06/24 13:40	03/07/24 14:00
480-217558-5	OUTSIDE SUMP	Water	03/06/24 13:50	03/07/24 14:00

[illegible]

480-217558 Chain of Custody

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☐ Standard 14 Days _____

☐ 1 day RUSH _____

☒ Other 10-day TAT _____

Laboratory Information

Lab: Eurofins
Address: 10 Hazelwood Dr. Amherst, NY 14228
Phone: 716-691-2600
Lab PM: John Beninati
Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format compatible with most recent DEC format
- ☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

EOEDD Name: NYSDEC/Tonawanda/NY/ENiagaraSt/126 LabReport#.17811 EOEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 Jessica Paterson GES	1 3/6/24 14:00	1 Ewalle	3/6/24
Relinquished By:	Date / Time:	Received By:	
2	2	2	
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice	Cooler Temp 14.2 #100 ICE

1402#(100 TCF

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-217558-1

Login Number: 217558

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

Generated 4/17/2024 12:57:52 PM

JOB DESCRIPTION

NYSDEC - 126 E. Niagara St.

JOB NUMBER

480-218697-1

Eurofins Buffalo

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Job ID: 480-218697-1

Eurofins Buffalo

Job Narrative 480-218697-1

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

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

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

Receipt

The samples were received on 4/10/2024 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-707261 recovered outside acceptance criteria, low biased, for Methyl acetate and Naphthalene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-707261 recovered outside control limits for the following analytes: Chloromethane, Dichlorodifluoromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-707261 recovered outside control limits for the following analyte(s): Methyl acetate. Methyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-707261 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 480-707261 exceeded control limits for the following analyte(s): Methyl acetate, Note that this analyte is a known poor performer when analyzed using this method.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OUTSIDE SUMP (480-218697-3), (480-218697-A-3 MS) and (480-218697-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-707385 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: POST CARBON 2 (480-218697-1), PRE-CARBON (480-218697-2), (480-218697-C-2 MS) and (480-218697-C-2 MSD).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-707385 recovered outside acceptance criteria, low biased, for Methyl acetate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-707385 recovered outside control limits for the following analyte(s): Methyl acetate. Methyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PRE-CARBON (480-218697-2), (480-218697-C-2 MS) and (480-218697-C-2 MSD). Elevated reporting limits (RLs) are provided.

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-218697-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	84		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	0.41	J	1.0	0.34	ug/L	1		8260C	Total/NA
Ethylbenzene	3.3		1.0	0.74	ug/L	1		8260C	Total/NA
Methylene Chloride	0.48	J	1.0	0.44	ug/L	1		8260C	Total/NA
m,p-Xylene	2.8		2.0	0.66	ug/L	1		8260C	Total/NA
Naphthalene	2.5		1.0	0.43	ug/L	1		8260C	Total/NA
o-Xylene	1.7		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	13		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	4.5		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-218697-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1100		20	8.2	ug/L	20		8260C	Total/NA
Ethylbenzene	52		20	15	ug/L	20		8260C	Total/NA
Methylene Chloride	18	J	20	8.8	ug/L	20		8260C	Total/NA
m,p-Xylene	42		40	13	ug/L	20		8260C	Total/NA
Naphthalene	54		20	8.6	ug/L	20		8260C	Total/NA
o-Xylene	23		20	15	ug/L	20		8260C	Total/NA
Toluene	180		20	10	ug/L	20		8260C	Total/NA
Xylenes, Total	65		40	13	ug/L	20		8260C	Total/NA

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-218697-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	65		50	11	ug/L	50		8260C	Total/NA
Benzene	2800	F1	50	21	ug/L	50		8260C	Total/NA
Ethylbenzene	140		50	37	ug/L	50		8260C	Total/NA
Methylene Chloride	81		50	22	ug/L	50		8260C	Total/NA
m,p-Xylene	76	J	100	33	ug/L	50		8260C	Total/NA
Naphthalene	190		50	22	ug/L	50		8260C	Total/NA
Toluene	380		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	76	J	100	33	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-218697-1

Date Collected: 04/09/24 15:40

Matrix: Water

Date Received: 04/10/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/12/24 16:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/12/24 16:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/12/24 16:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/12/24 16:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/12/24 16:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/12/24 16:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/12/24 16:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			04/12/24 16:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/12/24 16:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/12/24 16:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/12/24 16:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/12/24 16:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			04/12/24 16:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/12/24 16:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/12/24 16:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/12/24 16:53	1
2-Hexanone	ND		5.0	1.2	ug/L			04/12/24 16:53	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			04/12/24 16:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/12/24 16:53	1
Acetone	ND		10	3.0	ug/L			04/12/24 16:53	1
Benzene	84		1.0	0.41	ug/L			04/12/24 16:53	1
Bromoform	ND		1.0	0.26	ug/L			04/12/24 16:53	1
Bromomethane	ND		1.0	0.69	ug/L			04/12/24 16:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/12/24 16:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/12/24 16:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/12/24 16:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/12/24 16:53	1
Chloroethane	ND		1.0	0.32	ug/L			04/12/24 16:53	1
Chloroform	0.41 J		1.0	0.34	ug/L			04/12/24 16:53	1
Chloromethane	ND		1.0	0.35	ug/L			04/12/24 16:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/12/24 16:53	1
Cyclohexane	ND		1.0	0.18	ug/L			04/12/24 16:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/12/24 16:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/12/24 16:53	1
Ethylbenzene	3.3		1.0	0.74	ug/L			04/12/24 16:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/12/24 16:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/12/24 16:53	1
Methyl acetate	ND *-		2.5	1.3	ug/L			04/12/24 16:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/12/24 16:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/12/24 16:53	1
Methylene Chloride	0.48 J		1.0	0.44	ug/L			04/12/24 16:53	1
m,p-Xylene	2.8		2.0	0.66	ug/L			04/12/24 16:53	1
Naphthalene	2.5		1.0	0.43	ug/L			04/12/24 16:53	1
n-Butylbenzene	ND		1.0	0.64	ug/L			04/12/24 16:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/12/24 16:53	1
o-Xylene	1.7		1.0	0.76	ug/L			04/12/24 16:53	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			04/12/24 16:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/12/24 16:53	1
Toluene	13		1.0	0.51	ug/L			04/12/24 16:53	1

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-218697-1

Date Collected: 04/09/24 15:40

Matrix: Water

Date Received: 04/10/24 13:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/12/24 16:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/12/24 16:53	1
Trichloroethene	ND		1.0	0.46	ug/L			04/12/24 16:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/12/24 16:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/12/24 16:53	1
Xylenes, Total	4.5		2.0	0.66	ug/L			04/12/24 16:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/12/24 16:53	1
Styrene	ND		1.0	0.73	ug/L			04/12/24 16:53	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			04/12/24 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/12/24 16:53	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/12/24 16:53	1
Toluene-d8 (Surr)	97		80 - 120		04/12/24 16:53	1
Dibromofluoromethane (Surr)	101		75 - 123		04/12/24 16:53	1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-218697-2

Date Collected: 04/09/24 15:50

Matrix: Water

Date Received: 04/10/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/12/24 17:15	20
1,1,1,2-Tetrachloroethane	ND		20	4.2	ug/L			04/12/24 17:15	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/12/24 17:15	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/12/24 17:15	20
1,1-Dichloroethane	ND		20	7.6	ug/L			04/12/24 17:15	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/12/24 17:15	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/12/24 17:15	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			04/12/24 17:15	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/12/24 17:15	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/12/24 17:15	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/12/24 17:15	20
1,2-Dichloropropane	ND		20	14	ug/L			04/12/24 17:15	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			04/12/24 17:15	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/12/24 17:15	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/12/24 17:15	20
2-Butanone (MEK)	ND		200	26	ug/L			04/12/24 17:15	20
2-Hexanone	ND		100	25	ug/L			04/12/24 17:15	20
4-Isopropyltoluene	ND		20	6.2	ug/L			04/12/24 17:15	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/12/24 17:15	20
Acetone	ND	F2	200	60	ug/L			04/12/24 17:15	20
Benzene	1100		20	8.2	ug/L			04/12/24 17:15	20
Bromoform	ND		20	5.2	ug/L			04/12/24 17:15	20
Bromomethane	ND	F2	20	14	ug/L			04/12/24 17:15	20
Carbon disulfide	ND		20	3.8	ug/L			04/12/24 17:15	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/12/24 17:15	20
Chlorobenzene	ND		20	15	ug/L			04/12/24 17:15	20
Dibromochloromethane	ND		20	6.4	ug/L			04/12/24 17:15	20
Chloroethane	ND	F2	20	6.4	ug/L			04/12/24 17:15	20

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-218697-2

Date Collected: 04/09/24 15:50

Matrix: Water

Date Received: 04/10/24 13:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		20	6.8	ug/L			04/12/24 17:15	20
Chloromethane	ND		20	7.0	ug/L			04/12/24 17:15	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			04/12/24 17:15	20
Cyclohexane	ND		20	3.6	ug/L			04/12/24 17:15	20
Bromodichloromethane	ND		20	7.8	ug/L			04/12/24 17:15	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/12/24 17:15	20
Ethylbenzene	52		20	15	ug/L			04/12/24 17:15	20
1,2-Dibromoethane	ND		20	15	ug/L			04/12/24 17:15	20
Isopropylbenzene	ND		20	16	ug/L			04/12/24 17:15	20
Methyl acetate	ND	*- F1	50	26	ug/L			04/12/24 17:15	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/12/24 17:15	20
Methylcyclohexane	ND		20	3.2	ug/L			04/12/24 17:15	20
Methylene Chloride	18	J	20	8.8	ug/L			04/12/24 17:15	20
m,p-Xylene	42		40	13	ug/L			04/12/24 17:15	20
Naphthalene	54		20	8.6	ug/L			04/12/24 17:15	20
n-Butylbenzene	ND		20	13	ug/L			04/12/24 17:15	20
N-Propylbenzene	ND		20	14	ug/L			04/12/24 17:15	20
o-Xylene	23		20	15	ug/L			04/12/24 17:15	20
sec-Butylbenzene	ND		20	15	ug/L			04/12/24 17:15	20
Tetrachloroethene	ND		20	7.2	ug/L			04/12/24 17:15	20
Toluene	180		20	10	ug/L			04/12/24 17:15	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/12/24 17:15	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/12/24 17:15	20
Trichloroethene	ND		20	9.2	ug/L			04/12/24 17:15	20
Trichlorofluoromethane	ND		20	18	ug/L			04/12/24 17:15	20
Vinyl chloride	ND		20	18	ug/L			04/12/24 17:15	20
Xylenes, Total	65		40	13	ug/L			04/12/24 17:15	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/12/24 17:15	20
Styrene	ND		20	15	ug/L			04/12/24 17:15	20
tert-Butylbenzene	ND		20	16	ug/L			04/12/24 17:15	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		04/12/24 17:15	20
4-Bromofluorobenzene (Surr)	94		73 - 120		04/12/24 17:15	20
Toluene-d8 (Surr)	95		80 - 120		04/12/24 17:15	20
Dibromofluoromethane (Surr)	107		75 - 123		04/12/24 17:15	20

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-218697-3

Date Collected: 04/09/24 16:00

Matrix: Water

Date Received: 04/10/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			04/12/24 01:57	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			04/12/24 01:57	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			04/12/24 01:57	50
1,1,2-Trichloroethane	ND		50	12	ug/L			04/12/24 01:57	50
1,1-Dichloroethane	ND		50	19	ug/L			04/12/24 01:57	50
1,1-Dichloroethene	ND		50	15	ug/L			04/12/24 01:57	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			04/12/24 01:57	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-218697-3

Date Collected: 04/09/24 16:00

Matrix: Water

Date Received: 04/10/24 13:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		50	38	ug/L			04/12/24 01:57	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			04/12/24 01:57	50
1,2-Dichlorobenzene	ND		50	40	ug/L			04/12/24 01:57	50
1,2-Dichloroethane	65		50	11	ug/L			04/12/24 01:57	50
1,2-Dichloropropane	ND		50	36	ug/L			04/12/24 01:57	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			04/12/24 01:57	50
1,3-Dichlorobenzene	ND		50	39	ug/L			04/12/24 01:57	50
1,4-Dichlorobenzene	ND		50	42	ug/L			04/12/24 01:57	50
2-Butanone (MEK)	ND		500	66	ug/L			04/12/24 01:57	50
2-Hexanone	ND		250	62	ug/L			04/12/24 01:57	50
4-Isopropyltoluene	ND		50	16	ug/L			04/12/24 01:57	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			04/12/24 01:57	50
Acetone	ND		500	150	ug/L			04/12/24 01:57	50
Benzene	2800	F1	50	21	ug/L			04/12/24 01:57	50
Bromoform	ND		50	13	ug/L			04/12/24 01:57	50
Bromomethane	ND		50	35	ug/L			04/12/24 01:57	50
Carbon disulfide	ND		50	9.5	ug/L			04/12/24 01:57	50
Carbon tetrachloride	ND		50	14	ug/L			04/12/24 01:57	50
Chlorobenzene	ND		50	38	ug/L			04/12/24 01:57	50
Dibromochloromethane	ND		50	16	ug/L			04/12/24 01:57	50
Chloroethane	ND		50	16	ug/L			04/12/24 01:57	50
Chloroform	ND		50	17	ug/L			04/12/24 01:57	50
Chloromethane	ND	*+	50	18	ug/L			04/12/24 01:57	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			04/12/24 01:57	50
Cyclohexane	ND		50	9.0	ug/L			04/12/24 01:57	50
Bromodichloromethane	ND		50	20	ug/L			04/12/24 01:57	50
Dichlorodifluoromethane	ND	*+	50	34	ug/L			04/12/24 01:57	50
Ethylbenzene	140		50	37	ug/L			04/12/24 01:57	50
1,2-Dibromoethane	ND		50	37	ug/L			04/12/24 01:57	50
Isopropylbenzene	ND		50	40	ug/L			04/12/24 01:57	50
Methyl acetate	ND	*- F1	130	65	ug/L			04/12/24 01:57	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			04/12/24 01:57	50
Methylcyclohexane	ND		50	8.0	ug/L			04/12/24 01:57	50
Methylene Chloride	81		50	22	ug/L			04/12/24 01:57	50
m,p-Xylene	76	J	100	33	ug/L			04/12/24 01:57	50
Naphthalene	190		50	22	ug/L			04/12/24 01:57	50
n-Butylbenzene	ND		50	32	ug/L			04/12/24 01:57	50
N-Propylbenzene	ND		50	35	ug/L			04/12/24 01:57	50
o-Xylene	ND		50	38	ug/L			04/12/24 01:57	50
sec-Butylbenzene	ND		50	38	ug/L			04/12/24 01:57	50
Tetrachloroethene	ND		50	18	ug/L			04/12/24 01:57	50
Toluene	380		50	26	ug/L			04/12/24 01:57	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			04/12/24 01:57	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			04/12/24 01:57	50
Trichloroethene	ND		50	23	ug/L			04/12/24 01:57	50
Trichlorofluoromethane	ND		50	44	ug/L			04/12/24 01:57	50
Vinyl chloride	ND	*+	50	45	ug/L			04/12/24 01:57	50
Xylenes, Total	76	J	100	33	ug/L			04/12/24 01:57	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			04/12/24 01:57	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-218697-3

Date Collected: 04/09/24 16:00

Matrix: Water

Date Received: 04/10/24 13:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		50	37	ug/L			04/12/24 01:57	50
tert-Butylbenzene	ND		50	41	ug/L			04/12/24 01:57	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					04/12/24 01:57	50
4-Bromofluorobenzene (Surr)	97		73 - 120					04/12/24 01:57	50
Toluene-d8 (Surr)	96		80 - 120					04/12/24 01:57	50
Dibromofluoromethane (Surr)	111		75 - 123					04/12/24 01:57	50

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-218697-1	POST CARBON 2	101	94	97	101
480-218697-2	PRE-CARBON	99	94	95	107
480-218697-2 MS	PRE-CARBON	97	91	98	98
480-218697-2 MSD	PRE-CARBON	100	97	98	105
480-218697-3	OUTSIDE SUMP	106	97	96	111
480-218697-3 MS	OUTSIDE SUMP	93	92	94	93
480-218697-3 MSD	OUTSIDE SUMP	98	90	95	99
LCS 480-707261/6	Lab Control Sample	100	97	101	103
LCS 480-707385/6	Lab Control Sample	99	91	94	98
MB 480-707261/8	Method Blank	100	99	96	107
MB 480-707385/8	Method Blank	99	94	95	104

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: MB 480-707261/8

Matrix: Water

Analysis Batch: 707261

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/12/24 00:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/12/24 00:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/12/24 00:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/12/24 00:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/12/24 00:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/12/24 00:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/12/24 00:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			04/12/24 00:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/12/24 00:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/12/24 00:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/12/24 00:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/12/24 00:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			04/12/24 00:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/12/24 00:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/12/24 00:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/12/24 00:50	1
2-Hexanone	ND		5.0	1.2	ug/L			04/12/24 00:50	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			04/12/24 00:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/12/24 00:50	1
Acetone	ND		10	3.0	ug/L			04/12/24 00:50	1
Benzene	ND		1.0	0.41	ug/L			04/12/24 00:50	1
Bromoform	ND		1.0	0.26	ug/L			04/12/24 00:50	1
Bromomethane	ND		1.0	0.69	ug/L			04/12/24 00:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/12/24 00:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/12/24 00:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/12/24 00:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/12/24 00:50	1
Chloroethane	ND		1.0	0.32	ug/L			04/12/24 00:50	1
Chloroform	ND		1.0	0.34	ug/L			04/12/24 00:50	1
Chloromethane	ND		1.0	0.35	ug/L			04/12/24 00:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/12/24 00:50	1
Cyclohexane	ND		1.0	0.18	ug/L			04/12/24 00:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/12/24 00:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/12/24 00:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/12/24 00:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/12/24 00:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/12/24 00:50	1
Methyl acetate	ND		2.5	1.3	ug/L			04/12/24 00:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/12/24 00:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/12/24 00:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/12/24 00:50	1
m,p-Xylene	ND		2.0	0.66	ug/L			04/12/24 00:50	1
Naphthalene	ND		1.0	0.43	ug/L			04/12/24 00:50	1
n-Butylbenzene	ND		1.0	0.64	ug/L			04/12/24 00:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/12/24 00:50	1
o-Xylene	ND		1.0	0.76	ug/L			04/12/24 00:50	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			04/12/24 00:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/12/24 00:50	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: MB 480-707261/8

Matrix: Water

Analysis Batch: 707261

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			04/12/24 00:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/12/24 00:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/12/24 00:50	1
Trichloroethene	ND		1.0	0.46	ug/L			04/12/24 00:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/12/24 00:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/12/24 00:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/12/24 00:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/12/24 00:50	1
Styrene	ND		1.0	0.73	ug/L			04/12/24 00:50	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			04/12/24 00:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		04/12/24 00:50	1
4-Bromofluorobenzene (Surr)	99		73 - 120		04/12/24 00:50	1
Toluene-d8 (Surr)	96		80 - 120		04/12/24 00:50	1
Dibromofluoromethane (Surr)	107		75 - 123		04/12/24 00:50	1

Lab Sample ID: LCS 480-707261/6

Matrix: Water

Analysis Batch: 707261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.9		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.7		ug/L		127	61 - 148
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	27.3		ug/L		109	77 - 120
1,1-Dichloroethene	25.0	28.2		ug/L		113	66 - 127
1,2,4-Trichlorobenzene	25.0	22.8		ug/L		91	79 - 122
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		98	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	21.5		ug/L		86	56 - 134
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3,5-Trimethylbenzene	25.0	25.5		ug/L		102	77 - 121
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 120
2-Butanone (MEK)	125	104		ug/L		83	57 - 140
2-Hexanone	125	111		ug/L		88	65 - 127
4-Isopropyltoluene	25.0	25.6		ug/L		102	73 - 120
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	123		ug/L		99	56 - 142
Benzene	25.0	26.4		ug/L		105	71 - 124
Bromoform	25.0	21.8		ug/L		87	61 - 132
Bromomethane	25.0	34.2		ug/L		137	55 - 144
Carbon disulfide	25.0	28.8		ug/L		115	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	25.7		ug/L		103	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: LCS 480-707261/6

Matrix: Water

Analysis Batch: 707261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	23.9		ug/L		96	75 - 125
Chloroethane	25.0	29.9		ug/L		119	69 - 136
Chloroform	25.0	26.2		ug/L		105	73 - 127
Chloromethane	25.0	31.3	*+	ug/L		125	68 - 124
cis-1,2-Dichloroethene	25.0	28.2		ug/L		113	74 - 124
Cyclohexane	25.0	28.6		ug/L		114	59 - 135
Bromodichloromethane	25.0	24.1		ug/L		97	80 - 122
Dichlorodifluoromethane	25.0	36.3	*+	ug/L		145	59 - 135
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	24.9		ug/L		100	77 - 120
Isopropylbenzene	25.0	26.1		ug/L		104	77 - 122
Methyl acetate	50.0	19.3	*-	ug/L		39	74 - 133
Methyl tert-butyl ether	25.0	26.4		ug/L		105	77 - 120
Methylcyclohexane	25.0	27.8		ug/L		111	68 - 134
Methylene Chloride	25.0	28.3		ug/L		113	75 - 124
m,p-Xylene	25.0	26.7		ug/L		107	76 - 122
Naphthalene	25.0	22.4		ug/L		90	66 - 125
n-Butylbenzene	25.0	24.8		ug/L		99	71 - 128
N-Propylbenzene	25.0	25.3		ug/L		101	75 - 127
o-Xylene	25.0	26.6		ug/L		107	76 - 122
sec-Butylbenzene	25.0	26.0		ug/L		104	74 - 127
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	26.6		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	28.5		ug/L		114	73 - 127
trans-1,3-Dichloropropene	25.0	21.0		ug/L		84	80 - 120
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	35.7		ug/L		143	62 - 150
Vinyl chloride	25.0	36.5	*+	ug/L		146	65 - 133
cis-1,3-Dichloropropene	25.0	22.4		ug/L		89	74 - 124
Styrene	25.0	26.3		ug/L		105	80 - 120
tert-Butylbenzene	25.0	26.4		ug/L		106	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: 480-218697-3 MS

Matrix: Water

Analysis Batch: 707261

Client Sample ID: OUTSIDE SUMP

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		1250	1170		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	ND		1250	1170		ug/L		94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1250	1320		ug/L		106	61 - 148
1,1,2-Trichloroethane	ND		1250	1160		ug/L		93	76 - 122
1,1-Dichloroethane	ND		1250	1180		ug/L		94	77 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: 480-218697-3 MS

Matrix: Water

Analysis Batch: 707261

Client Sample ID: OUTSIDE SUMP

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		1250	1210		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	ND		1250	1140		ug/L		91	79 - 122
1,2,4-Trimethylbenzene	ND		1250	1230		ug/L		99	76 - 121
1,2-Dibromo-3-Chloropropane	ND		1250	1030		ug/L		83	56 - 134
1,2-Dichlorobenzene	ND		1250	1280		ug/L		102	80 - 124
1,2-Dichloroethane	65		1250	1170		ug/L		89	75 - 120
1,2-Dichloropropane	ND		1250	1190		ug/L		95	76 - 120
1,3,5-Trimethylbenzene	ND		1250	1260		ug/L		101	77 - 121
1,3-Dichlorobenzene	ND		1250	1250		ug/L		100	77 - 120
1,4-Dichlorobenzene	ND		1250	1250		ug/L		100	78 - 124
2-Butanone (MEK)	ND		6250	5450		ug/L		87	57 - 140
2-Hexanone	ND		6250	5200		ug/L		83	65 - 127
4-Isopropyltoluene	ND		1250	1260		ug/L		100	73 - 120
4-Methyl-2-pentanone (MIBK)	ND		6250	5350		ug/L		86	71 - 125
Acetone	ND		6250	5830		ug/L		93	56 - 142
Benzene	2800	F1	1250	3550	F1	ug/L		61	71 - 124
Bromoform	ND		1250	979		ug/L		78	61 - 132
Bromomethane	ND		1250	1280		ug/L		103	55 - 144
Carbon disulfide	ND		1250	1240		ug/L		99	59 - 134
Carbon tetrachloride	ND		1250	1110		ug/L		89	72 - 134
Chlorobenzene	ND		1250	1250		ug/L		100	80 - 120
Dibromochloromethane	ND		1250	1110		ug/L		89	75 - 125
Chloroethane	ND		1250	1250		ug/L		100	69 - 136
Chloroform	ND		1250	1140		ug/L		91	73 - 127
Chloromethane	ND	*+	1250	1450		ug/L		116	68 - 124
cis-1,2-Dichloroethene	ND		1250	1200		ug/L		96	74 - 124
Cyclohexane	ND		1250	1190		ug/L		95	59 - 135
Bromodichloromethane	ND		1250	1180		ug/L		95	80 - 122
Dichlorodifluoromethane	ND	*+	1250	1570		ug/L		126	59 - 135
Ethylbenzene	140		1250	1320		ug/L		95	77 - 123
1,2-Dibromoethane	ND		1250	1230		ug/L		98	77 - 120
Isopropylbenzene	ND		1250	1300		ug/L		104	77 - 122
Methyl acetate	ND	*- F1	2500	819	F1	ug/L		33	74 - 133
Methyl tert-butyl ether	ND		1250	1110		ug/L		89	77 - 120
Methylcyclohexane	ND		1250	1200		ug/L		96	68 - 134
Methylene Chloride	81		1250	1190		ug/L		88	75 - 124
m,p-Xylene	76	J	1250	1240		ug/L		93	76 - 122
Naphthalene	190		1250	1350		ug/L		93	66 - 125
n-Butylbenzene	ND		1250	1190		ug/L		96	71 - 128
N-Propylbenzene	ND		1250	1270		ug/L		102	75 - 127
o-Xylene	ND		1250	1250		ug/L		100	76 - 122
sec-Butylbenzene	ND		1250	1310		ug/L		105	74 - 127
Tetrachloroethene	ND		1250	1240		ug/L		99	74 - 122
Toluene	380		1250	1580		ug/L		96	80 - 122
trans-1,2-Dichloroethene	ND		1250	1250		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		1250	1060		ug/L		85	80 - 120
Trichloroethene	ND		1250	1270		ug/L		102	74 - 123
Trichlorofluoromethane	ND		1250	1530		ug/L		122	62 - 150
Vinyl chloride	ND	*+	1250	1480		ug/L		119	65 - 133

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: 480-218697-3 MS

Matrix: Water

Analysis Batch: 707261

Client Sample ID: OUTSIDE SUMP

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		1250	1130		ug/L		91	74 - 124
Styrene	ND		1250	1230		ug/L		98	80 - 120
tert-Butylbenzene	ND		1250	1370		ug/L		110	75 - 123
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	93		77 - 120						
4-Bromofluorobenzene (Surr)	92		73 - 120						
Toluene-d8 (Surr)	94		80 - 120						
Dibromofluoromethane (Surr)	93		75 - 123						

Lab Sample ID: 480-218697-3 MSD

Matrix: Water

Analysis Batch: 707261

Client Sample ID: OUTSIDE SUMP

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		1250	1210		ug/L		97	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		1250	1170		ug/L		93	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1250	1330		ug/L		106	61 - 148	1	20
1,1,2-Trichloroethane	ND		1250	1170		ug/L		94	76 - 122	1	15
1,1-Dichloroethane	ND		1250	1200		ug/L		96	77 - 120	2	20
1,1-Dichloroethene	ND		1250	1250		ug/L		100	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		1250	1100		ug/L		88	79 - 122	3	20
1,2,4-Trimethylbenzene	ND		1250	1210		ug/L		97	76 - 121	2	20
1,2-Dibromo-3-Chloropropane	ND		1250	1030		ug/L		83	56 - 134	0	15
1,2-Dichlorobenzene	ND		1250	1200		ug/L		96	80 - 124	6	20
1,2-Dichloroethane	65		1250	1180		ug/L		90	75 - 120	1	20
1,2-Dichloropropane	ND		1250	1230		ug/L		98	76 - 120	4	20
1,3,5-Trimethylbenzene	ND		1250	1230		ug/L		98	77 - 121	3	20
1,3-Dichlorobenzene	ND		1250	1190		ug/L		95	77 - 120	5	20
1,4-Dichlorobenzene	ND		1250	1210		ug/L		97	78 - 124	3	20
2-Butanone (MEK)	ND		6250	5580		ug/L		89	57 - 140	2	20
2-Hexanone	ND		6250	5170		ug/L		83	65 - 127	0	15
4-Isopropyltoluene	ND		1250	1210		ug/L		97	73 - 120	4	20
4-Methyl-2-pentanone (MIBK)	ND		6250	5130		ug/L		82	71 - 125	4	35
Acetone	ND		6250	5650		ug/L		90	56 - 142	3	15
Benzene	2800	F1	1250	3680		ug/L		71	71 - 124	4	13
Bromoform	ND		1250	981		ug/L		78	61 - 132	0	15
Bromomethane	ND		1250	1250		ug/L		100	55 - 144	2	15
Carbon disulfide	ND		1250	1230		ug/L		99	59 - 134	0	15
Carbon tetrachloride	ND		1250	1140		ug/L		91	72 - 134	3	15
Chlorobenzene	ND		1250	1220		ug/L		98	80 - 120	2	25
Dibromochloromethane	ND		1250	1130		ug/L		90	75 - 125	1	15
Chloroethane	ND		1250	1300		ug/L		104	69 - 136	3	15
Chloroform	ND		1250	1180		ug/L		94	73 - 127	3	20
Chloromethane	ND	*+	1250	1450		ug/L		116	68 - 124	0	15
cis-1,2-Dichloroethene	ND		1250	1250		ug/L		100	74 - 124	4	15
Cyclohexane	ND		1250	1190		ug/L		95	59 - 135	0	20
Bromodichloromethane	ND		1250	1190		ug/L		95	80 - 122	1	15

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: 480-218697-3 MSD

Matrix: Water

Analysis Batch: 707261

Client Sample ID: OUTSIDE SUMP

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	*+	1250	1570		ug/L		125	59 - 135	0	20
Ethylbenzene	140		1250	1300		ug/L		93	77 - 123	2	15
1,2-Dibromoethane	ND		1250	1200		ug/L		96	77 - 120	2	15
Isopropylbenzene	ND		1250	1280		ug/L		102	77 - 122	2	20
Methyl acetate	ND	*- F1	2500	866	F1	ug/L		35	74 - 133	6	20
Methyl tert-butyl ether	ND		1250	1140		ug/L		91	77 - 120	3	37
Methylcyclohexane	ND		1250	1190		ug/L		95	68 - 134	1	20
Methylene Chloride	81		1250	1230		ug/L		92	75 - 124	4	15
m,p-Xylene	76	J	1250	1230		ug/L		92	76 - 122	1	16
Naphthalene	190		1250	1310		ug/L		89	66 - 125	3	20
n-Butylbenzene	ND		1250	1150		ug/L		92	71 - 128	3	15
N-Propylbenzene	ND		1250	1230		ug/L		99	75 - 127	3	15
o-Xylene	ND		1250	1170		ug/L		94	76 - 122	6	16
sec-Butylbenzene	ND		1250	1250		ug/L		100	74 - 127	5	15
Tetrachloroethene	ND		1250	1210		ug/L		97	74 - 122	2	20
Toluene	380		1250	1570		ug/L		95	80 - 122	0	15
trans-1,2-Dichloroethene	ND		1250	1260		ug/L		101	73 - 127	1	20
trans-1,3-Dichloropropene	ND		1250	1090		ug/L		87	80 - 120	3	15
Trichloroethene	ND		1250	1310		ug/L		105	74 - 123	3	16
Trichlorofluoromethane	ND		1250	1520		ug/L		121	62 - 150	1	20
Vinyl chloride	ND	*+	1250	1500		ug/L		120	65 - 133	1	15
cis-1,3-Dichloropropene	ND		1250	1160		ug/L		92	74 - 124	2	15
Styrene	ND		1250	1190		ug/L		96	80 - 120	3	20
tert-Butylbenzene	ND		1250	1300		ug/L		104	75 - 123	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: MB 480-707385/8

Matrix: Water

Analysis Batch: 707385

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/12/24 13:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/12/24 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/12/24 13:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/12/24 13:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/12/24 13:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/12/24 13:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/12/24 13:37	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			04/12/24 13:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/12/24 13:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/12/24 13:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/12/24 13:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/12/24 13:37	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: MB 480-707385/8

Matrix: Water

Analysis Batch: 707385

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			04/12/24 13:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/12/24 13:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/12/24 13:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/12/24 13:37	1
2-Hexanone	ND		5.0	1.2	ug/L			04/12/24 13:37	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			04/12/24 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/12/24 13:37	1
Acetone	ND		10	3.0	ug/L			04/12/24 13:37	1
Benzene	ND		1.0	0.41	ug/L			04/12/24 13:37	1
Bromoform	ND		1.0	0.26	ug/L			04/12/24 13:37	1
Bromomethane	ND		1.0	0.69	ug/L			04/12/24 13:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/12/24 13:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/12/24 13:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/12/24 13:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/12/24 13:37	1
Chloroethane	ND		1.0	0.32	ug/L			04/12/24 13:37	1
Chloroform	ND		1.0	0.34	ug/L			04/12/24 13:37	1
Chloromethane	ND		1.0	0.35	ug/L			04/12/24 13:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/12/24 13:37	1
Cyclohexane	ND		1.0	0.18	ug/L			04/12/24 13:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/12/24 13:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/12/24 13:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/12/24 13:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/12/24 13:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/12/24 13:37	1
Methyl acetate	ND		2.5	1.3	ug/L			04/12/24 13:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/12/24 13:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/12/24 13:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/12/24 13:37	1
m,p-Xylene	ND		2.0	0.66	ug/L			04/12/24 13:37	1
Naphthalene	ND		1.0	0.43	ug/L			04/12/24 13:37	1
n-Butylbenzene	ND		1.0	0.64	ug/L			04/12/24 13:37	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/12/24 13:37	1
o-Xylene	ND		1.0	0.76	ug/L			04/12/24 13:37	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			04/12/24 13:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/12/24 13:37	1
Toluene	ND		1.0	0.51	ug/L			04/12/24 13:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/12/24 13:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/12/24 13:37	1
Trichloroethene	ND		1.0	0.46	ug/L			04/12/24 13:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/12/24 13:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/12/24 13:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/12/24 13:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/12/24 13:37	1
Styrene	ND		1.0	0.73	ug/L			04/12/24 13:37	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			04/12/24 13:37	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: MB 480-707385/8

Matrix: Water

Analysis Batch: 707385

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		04/12/24 13:37	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/12/24 13:37	1
Toluene-d8 (Surr)	95		80 - 120		04/12/24 13:37	1
Dibromofluoromethane (Surr)	104		75 - 123		04/12/24 13:37	1

Lab Sample ID: LCS 480-707385/6

Matrix: Water

Analysis Batch: 707385

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.2		ug/L		109	73 - 126
1,1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	33.2		ug/L		133	61 - 148
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	27.5		ug/L		110	77 - 120
1,1-Dichloroethene	25.0	29.5		ug/L		118	66 - 127
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		97	79 - 122
1,2,4-Trimethylbenzene	25.0	26.8		ug/L		107	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.9		ug/L		92	56 - 134
1,2-Dichlorobenzene	25.0	27.0		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	26.9		ug/L		107	76 - 120
1,3,5-Trimethylbenzene	25.0	27.4		ug/L		110	77 - 121
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	77 - 120
1,4-Dichlorobenzene	25.0	26.6		ug/L		106	80 - 120
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
2-Hexanone	125	112		ug/L		90	65 - 127
4-Isopropyltoluene	25.0	28.5		ug/L		114	73 - 120
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	159		ug/L		127	56 - 142
Benzene	25.0	28.4		ug/L		114	71 - 124
Bromoform	25.0	22.2		ug/L		89	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	31.1		ug/L		124	59 - 134
Carbon tetrachloride	25.0	27.5		ug/L		110	72 - 134
Chlorobenzene	25.0	27.3		ug/L		109	80 - 120
Dibromochloromethane	25.0	25.3		ug/L		101	75 - 125
Chloroethane	25.0	26.1		ug/L		104	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	29.0		ug/L		116	68 - 124
cis-1,2-Dichloroethene	25.0	27.8		ug/L		111	74 - 124
Cyclohexane	25.0	28.3		ug/L		113	59 - 135
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Dichlorodifluoromethane	25.0	32.3		ug/L		129	59 - 135
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	25.9		ug/L		104	77 - 120
Isopropylbenzene	25.0	28.4		ug/L		114	77 - 122
Methyl acetate	50.0	21.0	*-	ug/L		42	74 - 133

Eurofins Buffalo

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: LCS 480-707385/6

Matrix: Water

Analysis Batch: 707385

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	25.0	25.5		ug/L		102	77 - 120
Methylcyclohexane	25.0	28.9		ug/L		116	68 - 134
Methylene Chloride	25.0	27.0		ug/L		108	75 - 124
m,p-Xylene	25.0	26.6		ug/L		106	76 - 122
Naphthalene	25.0	23.3		ug/L		93	66 - 125
n-Butylbenzene	25.0	27.4		ug/L		110	71 - 128
N-Propylbenzene	25.0	27.5		ug/L		110	75 - 127
o-Xylene	25.0	27.0		ug/L		108	76 - 122
sec-Butylbenzene	25.0	28.9		ug/L		116	74 - 127
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	26.4		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	29.2		ug/L		117	73 - 127
trans-1,3-Dichloropropene	25.0	24.8		ug/L		99	80 - 120
Trichloroethene	25.0	29.0		ug/L		116	74 - 123
Trichlorofluoromethane	25.0	31.6		ug/L		126	62 - 150
Vinyl chloride	25.0	30.0		ug/L		120	65 - 133
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	74 - 124
Styrene	25.0	26.3		ug/L		105	80 - 120
tert-Butylbenzene	25.0	29.7		ug/L		119	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	98		75 - 123

Lab Sample ID: 480-218697-2 MS

Matrix: Water

Analysis Batch: 707385

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		500	504		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	ND		500	511		ug/L		102	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	605		ug/L		121	61 - 148
1,1,2-Trichloroethane	ND		500	524		ug/L		105	76 - 122
1,1-Dichloroethane	ND		500	525		ug/L		105	77 - 120
1,1-Dichloroethene	ND		500	558		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	ND		500	460		ug/L		92	79 - 122
1,2,4-Trimethylbenzene	ND		500	531		ug/L		106	76 - 121
1,2-Dibromo-3-Chloropropane	ND		500	445		ug/L		89	56 - 134
1,2-Dichlorobenzene	ND		500	530		ug/L		106	80 - 124
1,2-Dichloroethane	ND		500	521		ug/L		104	75 - 120
1,2-Dichloropropane	ND		500	528		ug/L		106	76 - 120
1,3,5-Trimethylbenzene	ND		500	546		ug/L		109	77 - 121
1,3-Dichlorobenzene	ND		500	526		ug/L		105	77 - 120
1,4-Dichlorobenzene	ND		500	530		ug/L		106	78 - 124
2-Butanone (MEK)	ND		2500	2500		ug/L		100	57 - 140
2-Hexanone	ND		2500	2260		ug/L		90	65 - 127

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: 480-218697-2 MS

Matrix: Water

Analysis Batch: 707385

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Isopropyltoluene	ND		500	543		ug/L		109	73 - 120
4-Methyl-2-pentanone (MIBK)	ND		2500	2320		ug/L		93	71 - 125
Acetone	ND	F2	2500	2340		ug/L		93	56 - 142
Benzene	1100		500	1500		ug/L		78	71 - 124
Bromoform	ND		500	427		ug/L		85	61 - 132
Bromomethane	ND	F2	500	514		ug/L		103	55 - 144
Carbon disulfide	ND		500	588		ug/L		118	59 - 134
Carbon tetrachloride	ND		500	497		ug/L		99	72 - 134
Chlorobenzene	ND		500	533		ug/L		107	80 - 120
Dibromochloromethane	ND		500	510		ug/L		102	75 - 125
Chloroethane	ND	F2	500	477		ug/L		95	69 - 136
Chloroform	ND		500	497		ug/L		99	73 - 127
Chloromethane	ND		500	535		ug/L		107	68 - 124
cis-1,2-Dichloroethene	ND		500	536		ug/L		107	74 - 124
Cyclohexane	ND		500	517		ug/L		103	59 - 135
Bromodichloromethane	ND		500	526		ug/L		105	80 - 122
Dichlorodifluoromethane	ND		500	582		ug/L		116	59 - 135
Ethylbenzene	52		500	546		ug/L		99	77 - 123
1,2-Dibromoethane	ND		500	538		ug/L		108	77 - 120
Isopropylbenzene	ND		500	559		ug/L		112	77 - 122
Methyl acetate	ND	*- F1	1000	351	F1	ug/L		35	74 - 133
Methyl tert-butyl ether	ND		500	491		ug/L		98	77 - 120
Methylcyclohexane	ND		500	520		ug/L		104	68 - 134
Methylene Chloride	18	J	500	520		ug/L		100	75 - 124
m,p-Xylene	42		500	540		ug/L		100	76 - 122
Naphthalene	54		500	529		ug/L		95	66 - 125
n-Butylbenzene	ND		500	518		ug/L		104	71 - 128
N-Propylbenzene	ND		500	543		ug/L		109	75 - 127
o-Xylene	23		500	517		ug/L		99	76 - 122
sec-Butylbenzene	ND		500	552		ug/L		110	74 - 127
Tetrachloroethene	ND		500	534		ug/L		107	74 - 122
Toluene	180		500	685		ug/L		101	80 - 122
trans-1,2-Dichloroethene	ND		500	547		ug/L		109	73 - 127
trans-1,3-Dichloropropene	ND		500	483		ug/L		97	80 - 120
Trichloroethene	ND		500	544		ug/L		109	74 - 123
Trichlorofluoromethane	ND		500	562		ug/L		112	62 - 150
Vinyl chloride	ND		500	560		ug/L		112	65 - 133
cis-1,3-Dichloropropene	ND		500	517		ug/L		103	74 - 124
Styrene	ND		500	519		ug/L		104	80 - 120
tert-Butylbenzene	ND		500	580		ug/L		116	75 - 123
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	97		77 - 120						
4-Bromofluorobenzene (Surr)	91		73 - 120						
Toluene-d8 (Surr)	98		80 - 120						
Dibromofluoromethane (Surr)	98		75 - 123						

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: 480-218697-2 MSD

Matrix: Water

Analysis Batch: 707385

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		500	574		ug/L		115	73 - 126	13	15
1,1,2,2-Tetrachloroethane	ND		500	516		ug/L		103	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	702		ug/L		140	61 - 148	15	20
1,1,2-Trichloroethane	ND		500	527		ug/L		105	76 - 122	1	15
1,1-Dichloroethane	ND		500	573		ug/L		115	77 - 120	9	20
1,1-Dichloroethene	ND		500	630		ug/L		126	66 - 127	12	16
1,2,4-Trichlorobenzene	ND		500	474		ug/L		95	79 - 122	3	20
1,2,4-Trimethylbenzene	ND		500	533		ug/L		107	76 - 121	0	20
1,2-Dibromo-3-Chloropropane	ND		500	476		ug/L		95	56 - 134	7	15
1,2-Dichlorobenzene	ND		500	546		ug/L		109	80 - 124	3	20
1,2-Dichloroethane	ND		500	536		ug/L		107	75 - 120	3	20
1,2-Dichloropropane	ND		500	545		ug/L		109	76 - 120	3	20
1,3,5-Trimethylbenzene	ND		500	544		ug/L		109	77 - 121	0	20
1,3-Dichlorobenzene	ND		500	542		ug/L		108	77 - 120	3	20
1,4-Dichlorobenzene	ND		500	542		ug/L		108	78 - 124	2	20
2-Butanone (MEK)	ND		2500	2450		ug/L		98	57 - 140	2	20
2-Hexanone	ND		2500	2370		ug/L		95	65 - 127	5	15
4-Isopropyltoluene	ND		500	558		ug/L		112	73 - 120	3	20
4-Methyl-2-pentanone (MIBK)	ND		2500	2480		ug/L		99	71 - 125	7	35
Acetone	ND F2		2500	2760 F2		ug/L		110	56 - 142	17	15
Benzene	1100		500	1570		ug/L		92	71 - 124	5	13
Bromoform	ND		500	478		ug/L		96	61 - 132	11	15
Bromomethane	ND F2		500	648 F2		ug/L		130	55 - 144	23	15
Carbon disulfide	ND		500	663		ug/L		133	59 - 134	12	15
Carbon tetrachloride	ND		500	562		ug/L		112	72 - 134	12	15
Chlorobenzene	ND		500	545		ug/L		109	80 - 120	2	25
Dibromochloromethane	ND		500	516		ug/L		103	75 - 125	1	15
Chloroethane	ND F2		500	571 F2		ug/L		114	69 - 136	18	15
Chloroform	ND		500	551		ug/L		110	73 - 127	10	20
Chloromethane	ND		500	586		ug/L		117	68 - 124	9	15
cis-1,2-Dichloroethene	ND		500	591		ug/L		118	74 - 124	10	15
Cyclohexane	ND		500	594		ug/L		119	59 - 135	14	20
Bromodichloromethane	ND		500	538		ug/L		108	80 - 122	2	15
Dichlorodifluoromethane	ND		500	662		ug/L		132	59 - 135	13	20
Ethylbenzene	52		500	597		ug/L		109	77 - 123	9	15
1,2-Dibromoethane	ND		500	546		ug/L		109	77 - 120	1	15
Isopropylbenzene	ND		500	559		ug/L		112	77 - 122	0	20
Methyl acetate	ND *- F1		1000	371 F1		ug/L		37	74 - 133	5	20
Methyl tert-butyl ether	ND		500	541		ug/L		108	77 - 120	10	37
Methylcyclohexane	ND		500	585		ug/L		117	68 - 134	12	20
Methylene Chloride	18 J		500	568		ug/L		110	75 - 124	9	15
m,p-Xylene	42		500	580		ug/L		108	76 - 122	7	16
Naphthalene	54		500	546		ug/L		99	66 - 125	3	20
n-Butylbenzene	ND		500	537		ug/L		107	71 - 128	4	15
N-Propylbenzene	ND		500	552		ug/L		110	75 - 127	2	15
o-Xylene	23		500	577		ug/L		111	76 - 122	11	16
sec-Butylbenzene	ND		500	562		ug/L		112	74 - 127	2	15
Tetrachloroethene	ND		500	567		ug/L		113	74 - 122	6	20

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

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

Lab Sample ID: 480-218697-2 MSD

Matrix: Water

Analysis Batch: 707385

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	180		500	706		ug/L		105	80 - 122	3	15
trans-1,2-Dichloroethene	ND		500	616		ug/L		123	73 - 127	12	20
trans-1,3-Dichloropropene	ND		500	459		ug/L		92	80 - 120	5	15
Trichloroethene	ND		500	564		ug/L		113	74 - 123	3	16
Trichlorofluoromethane	ND		500	654		ug/L		131	62 - 150	15	20
Vinyl chloride	ND		500	646		ug/L		129	65 - 133	14	15
cis-1,3-Dichloropropene	ND		500	497		ug/L		99	74 - 124	4	15
Styrene	ND		500	559		ug/L		112	80 - 120	7	20
tert-Butylbenzene	ND		500	578		ug/L		116	75 - 123	0	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	105		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

GC/MS VOA

Analysis Batch: 707261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218697-3	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-707261/8	Method Blank	Total/NA	Water	8260C	
LCS 480-707261/6	Lab Control Sample	Total/NA	Water	8260C	
480-218697-3 MS	OUTSIDE SUMP	Total/NA	Water	8260C	
480-218697-3 MSD	OUTSIDE SUMP	Total/NA	Water	8260C	

Analysis Batch: 707385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218697-1	POST CARBON 2	Total/NA	Water	8260C	
480-218697-2	PRE-CARBON	Total/NA	Water	8260C	
MB 480-707385/8	Method Blank	Total/NA	Water	8260C	
LCS 480-707385/6	Lab Control Sample	Total/NA	Water	8260C	
480-218697-2 MS	PRE-CARBON	Total/NA	Water	8260C	
480-218697-2 MSD	PRE-CARBON	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-218697-1

Date Collected: 04/09/24 15:40

Matrix: Water

Date Received: 04/10/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	707385	AXK	EET BUF	04/12/24 16:53

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-218697-2

Date Collected: 04/09/24 15:50

Matrix: Water

Date Received: 04/10/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	707385	AXK	EET BUF	04/12/24 17:15

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-218697-3

Date Collected: 04/09/24 16:00

Matrix: Water

Date Received: 04/10/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	707261	CC	EET BUF	04/12/24 01:57

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC - 126 E. Niagara St.

Job ID: 480-218697-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218697-1	POST CARBON 2	Water	04/09/24 15:40	04/10/24 13:00
480-218697-2	PRE-CARBON	Water	04/09/24 15:50	04/10/24 13:00
480-218697-3	OUTSIDE SUMP	Water	04/09/24 16:00	04/10/24 13:00

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

Standard 14 Days

1 day RUSH

☒ Other	10-day TAT
---	------------

Laboratory Information

Lab: Eurofins

Address: 10 Hazelwood Dr. Amherst, NY 14228

Phone: 716-691-2600

Lab PM: John Beninati

Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

└ FULLT1 (Level 3 & 4)

▮ NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

☐ NYASP Category A

NYASP Category B

State Forms

☒ EDD Format compatible with most recent DEC format

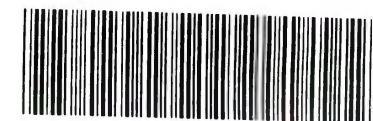
☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

FOEDD Name: NYSDEC/Tonawanda/NY/ENiagaraSt/126 LabReport#.17811.FOEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler:	Date / Time:	Received By:
1 Jess Paterson	1 4/9/24 1600	1 GIES Fridga
Relinquished By:	Date / Time:	Received By:
2 Jess Paterson	2 4/10/24 1300	2
Relinquished By:	Date / Time:	Received By:
3	3	ESS TMS 4/10/24
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice Cooler Temp 4.7 # 1 ICE



480-218697 Chain of Custody

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-218697-1

Login Number: 218697

List Number: 1

Creator: Kolb, Chris M

List Source: Eurofins Buffalo

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

Generated 5/14/2024 2:16:59 PM

JOB DESCRIPTION

NYSDEC Gastown Site

JOB NUMBER

480-219589-1

Eurofins Buffalo

Job Notes

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

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

Authorization



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Authorized for release by
John Beninati, Project Manager I
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(716)504-9874

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Qualifiers

GC/MS VOA

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

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC Gastown Site

Job ID: 480-219589-1

Job ID: 480-219589-1

Eurofins Buffalo

Job Narrative 480-219589-1

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

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

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

Receipt

The samples were received on 5/7/2024 1:38 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 13.2°C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OUTSIDE SUMP (480-219589-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PRE-CARBON (480-219589-2), (480-219589-B-2 MS) and (480-219589-B-2 MSD). Elevated reporting limits (RLs) are provided.

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-219589-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.6		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	15		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-219589-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	250		5.0	2.1	ug/L	5		8260C	Total/NA
Ethylbenzene	5.7		5.0	3.7	ug/L	5		8260C	Total/NA
m,p-Xylene	16		10	3.3	ug/L	5		8260C	Total/NA
Naphthalene	7.7		5.0	2.2	ug/L	5		8260C	Total/NA
o-Xylene	10		5.0	3.8	ug/L	5		8260C	Total/NA
Toluene	42		5.0	2.6	ug/L	5		8260C	Total/NA
Xylenes, Total	26		10	3.3	ug/L	5		8260C	Total/NA

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-219589-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1800		50	21	ug/L	50		8260C	Total/NA
Ethylbenzene	94		50	37	ug/L	50		8260C	Total/NA
m,p-Xylene	59	J	100	33	ug/L	50		8260C	Total/NA
Naphthalene	200		50	22	ug/L	50		8260C	Total/NA
Toluene	280		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	59	J	100	33	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-219589-1

Date Collected: 05/07/24 07:35

Matrix: Water

Date Received: 05/07/24 13:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/24 18:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/24 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/24 18:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/24 18:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/24 18:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/24 18:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/24 18:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/09/24 18:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/24 18:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/24 18:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/24 18:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/24 18:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/09/24 18:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/24 18:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/24 18:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/24 18:54	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/24 18:54	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			05/09/24 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/24 18:54	1
Acetone	ND		10	3.0	ug/L			05/09/24 18:54	1
Benzene	7.6		1.0	0.41	ug/L			05/09/24 18:54	1
Bromoform	ND		1.0	0.26	ug/L			05/09/24 18:54	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/24 18:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/24 18:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/24 18:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/24 18:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/24 18:54	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/24 18:54	1
Chloroform	15		1.0	0.34	ug/L			05/09/24 18:54	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/24 18:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/24 18:54	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/24 18:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/24 18:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/24 18:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/24 18:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/24 18:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/24 18:54	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/24 18:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/24 18:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/24 18:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/24 18:54	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/09/24 18:54	1
Naphthalene	ND		1.0	0.43	ug/L			05/09/24 18:54	1
n-Butylbenzene	ND		1.0	0.64	ug/L			05/09/24 18:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/09/24 18:54	1
o-Xylene	ND		1.0	0.76	ug/L			05/09/24 18:54	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			05/09/24 18:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/24 18:54	1
Toluene	ND		1.0	0.51	ug/L			05/09/24 18:54	1

Euofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-219589-1

Date Collected: 05/07/24 07:35

Matrix: Water

Date Received: 05/07/24 13:38

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/24 18:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/24 18:54	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/24 18:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/24 18:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/24 18:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/24 18:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/24 18:54	1
Styrene	ND		1.0	0.73	ug/L			05/09/24 18:54	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			05/09/24 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/09/24 18:54	1
4-Bromofluorobenzene (Surr)	95		73 - 120		05/09/24 18:54	1
Toluene-d8 (Surr)	100		80 - 120		05/09/24 18:54	1
Dibromofluoromethane (Surr)	102		75 - 123		05/09/24 18:54	1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-219589-2

Date Collected: 05/07/24 07:45

Matrix: Water

Date Received: 05/07/24 13:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			05/10/24 15:47	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			05/10/24 15:47	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			05/10/24 15:47	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			05/10/24 15:47	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			05/10/24 15:47	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			05/10/24 15:47	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			05/10/24 15:47	5
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			05/10/24 15:47	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			05/10/24 15:47	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			05/10/24 15:47	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			05/10/24 15:47	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			05/10/24 15:47	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			05/10/24 15:47	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			05/10/24 15:47	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			05/10/24 15:47	5
2-Butanone (MEK)	ND		50	6.6	ug/L			05/10/24 15:47	5
2-Hexanone	ND		25	6.2	ug/L			05/10/24 15:47	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			05/10/24 15:47	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			05/10/24 15:47	5
Acetone	ND		50	15	ug/L			05/10/24 15:47	5
Benzene	250		5.0	2.1	ug/L			05/10/24 15:47	5
Bromoform	ND		5.0	1.3	ug/L			05/10/24 15:47	5
Bromomethane	ND		5.0	3.5	ug/L			05/10/24 15:47	5
Carbon disulfide	ND		5.0	0.95	ug/L			05/10/24 15:47	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			05/10/24 15:47	5
Chlorobenzene	ND		5.0	3.8	ug/L			05/10/24 15:47	5
Dibromochloromethane	ND		5.0	1.6	ug/L			05/10/24 15:47	5
Chloroethane	ND		5.0	1.6	ug/L			05/10/24 15:47	5

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-219589-2

Date Collected: 05/07/24 07:45

Matrix: Water

Date Received: 05/07/24 13:38

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0	1.7	ug/L			05/10/24 15:47	5
Chloromethane	ND		5.0	1.8	ug/L			05/10/24 15:47	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			05/10/24 15:47	5
Cyclohexane	ND		5.0	0.90	ug/L			05/10/24 15:47	5
Bromodichloromethane	ND		5.0	2.0	ug/L			05/10/24 15:47	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			05/10/24 15:47	5
Ethylbenzene	5.7		5.0	3.7	ug/L			05/10/24 15:47	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			05/10/24 15:47	5
Isopropylbenzene	ND		5.0	4.0	ug/L			05/10/24 15:47	5
Methyl acetate	ND		13	6.5	ug/L			05/10/24 15:47	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			05/10/24 15:47	5
Methylcyclohexane	ND		5.0	0.80	ug/L			05/10/24 15:47	5
Methylene Chloride	ND		5.0	2.2	ug/L			05/10/24 15:47	5
m,p-Xylene	16		10	3.3	ug/L			05/10/24 15:47	5
Naphthalene	7.7		5.0	2.2	ug/L			05/10/24 15:47	5
n-Butylbenzene	ND		5.0	3.2	ug/L			05/10/24 15:47	5
N-Propylbenzene	ND		5.0	3.5	ug/L			05/10/24 15:47	5
o-Xylene	10		5.0	3.8	ug/L			05/10/24 15:47	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			05/10/24 15:47	5
Tetrachloroethene	ND		5.0	1.8	ug/L			05/10/24 15:47	5
Toluene	42		5.0	2.6	ug/L			05/10/24 15:47	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			05/10/24 15:47	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			05/10/24 15:47	5
Trichloroethene	ND		5.0	2.3	ug/L			05/10/24 15:47	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			05/10/24 15:47	5
Vinyl chloride	ND		5.0	4.5	ug/L			05/10/24 15:47	5
Xylenes, Total	26		10	3.3	ug/L			05/10/24 15:47	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			05/10/24 15:47	5
Styrene	ND		5.0	3.7	ug/L			05/10/24 15:47	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			05/10/24 15:47	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		05/10/24 15:47	5
4-Bromofluorobenzene (Surr)	93		73 - 120		05/10/24 15:47	5
Toluene-d8 (Surr)	99		80 - 120		05/10/24 15:47	5
Dibromofluoromethane (Surr)	104		75 - 123		05/10/24 15:47	5

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-219589-3

Date Collected: 05/07/24 07:55

Matrix: Water

Date Received: 05/07/24 13:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			05/09/24 19:39	50
1,1,1,2-Tetrachloroethane	ND		50	11	ug/L			05/09/24 19:39	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			05/09/24 19:39	50
1,1,2-Trichloroethane	ND		50	12	ug/L			05/09/24 19:39	50
1,1-Dichloroethane	ND		50	19	ug/L			05/09/24 19:39	50
1,1-Dichloroethene	ND		50	15	ug/L			05/09/24 19:39	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			05/09/24 19:39	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-219589-3

Date Collected: 05/07/24 07:55

Matrix: Water

Date Received: 05/07/24 13:38

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		50	38	ug/L			05/09/24 19:39	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			05/09/24 19:39	50
1,2-Dichlorobenzene	ND		50	40	ug/L			05/09/24 19:39	50
1,2-Dichloroethane	ND		50	11	ug/L			05/09/24 19:39	50
1,2-Dichloropropane	ND		50	36	ug/L			05/09/24 19:39	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			05/09/24 19:39	50
1,3-Dichlorobenzene	ND		50	39	ug/L			05/09/24 19:39	50
1,4-Dichlorobenzene	ND		50	42	ug/L			05/09/24 19:39	50
2-Butanone (MEK)	ND		500	66	ug/L			05/09/24 19:39	50
2-Hexanone	ND		250	62	ug/L			05/09/24 19:39	50
4-Isopropyltoluene	ND		50	16	ug/L			05/09/24 19:39	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			05/09/24 19:39	50
Acetone	ND		500	150	ug/L			05/09/24 19:39	50
Benzene	1800		50	21	ug/L			05/09/24 19:39	50
Bromoform	ND		50	13	ug/L			05/09/24 19:39	50
Bromomethane	ND		50	35	ug/L			05/09/24 19:39	50
Carbon disulfide	ND		50	9.5	ug/L			05/09/24 19:39	50
Carbon tetrachloride	ND		50	14	ug/L			05/09/24 19:39	50
Chlorobenzene	ND		50	38	ug/L			05/09/24 19:39	50
Dibromochloromethane	ND		50	16	ug/L			05/09/24 19:39	50
Chloroethane	ND		50	16	ug/L			05/09/24 19:39	50
Chloroform	ND		50	17	ug/L			05/09/24 19:39	50
Chloromethane	ND		50	18	ug/L			05/09/24 19:39	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			05/09/24 19:39	50
Cyclohexane	ND		50	9.0	ug/L			05/09/24 19:39	50
Bromodichloromethane	ND		50	20	ug/L			05/09/24 19:39	50
Dichlorodifluoromethane	ND		50	34	ug/L			05/09/24 19:39	50
Ethylbenzene	94		50	37	ug/L			05/09/24 19:39	50
1,2-Dibromoethane	ND		50	37	ug/L			05/09/24 19:39	50
Isopropylbenzene	ND		50	40	ug/L			05/09/24 19:39	50
Methyl acetate	ND		130	65	ug/L			05/09/24 19:39	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			05/09/24 19:39	50
Methylcyclohexane	ND		50	8.0	ug/L			05/09/24 19:39	50
Methylene Chloride	ND		50	22	ug/L			05/09/24 19:39	50
m,p-Xylene	59 J		100	33	ug/L			05/09/24 19:39	50
Naphthalene	200		50	22	ug/L			05/09/24 19:39	50
n-Butylbenzene	ND		50	32	ug/L			05/09/24 19:39	50
N-Propylbenzene	ND		50	35	ug/L			05/09/24 19:39	50
o-Xylene	ND		50	38	ug/L			05/09/24 19:39	50
sec-Butylbenzene	ND		50	38	ug/L			05/09/24 19:39	50
Tetrachloroethene	ND		50	18	ug/L			05/09/24 19:39	50
Toluene	280		50	26	ug/L			05/09/24 19:39	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			05/09/24 19:39	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			05/09/24 19:39	50
Trichloroethene	ND		50	23	ug/L			05/09/24 19:39	50
Trichlorofluoromethane	ND		50	44	ug/L			05/09/24 19:39	50
Vinyl chloride	ND		50	45	ug/L			05/09/24 19:39	50
Xylenes, Total	59 J		100	33	ug/L			05/09/24 19:39	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			05/09/24 19:39	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-219589-3

Date Collected: 05/07/24 07:55

Matrix: Water

Date Received: 05/07/24 13:38

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		50	37	ug/L			05/09/24 19:39	50
tert-Butylbenzene	ND		50	41	ug/L			05/09/24 19:39	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					05/09/24 19:39	50
4-Bromofluorobenzene (Surr)	93		73 - 120					05/09/24 19:39	50
Toluene-d8 (Surr)	103		80 - 120					05/09/24 19:39	50
Dibromofluoromethane (Surr)	111		75 - 123					05/09/24 19:39	50

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-219589-1	POST CARBON 2	102	95	100	102
480-219589-2	PRE-CARBON	104	93	99	104
480-219589-2 MS	PRE-CARBON	104	90	100	106
480-219589-2 MSD	PRE-CARBON	106	95	98	108
480-219589-3	OUTSIDE SUMP	105	93	103	111
LCS 480-711319/7	Lab Control Sample	99	98	101	99
LCS 480-711525/6	Lab Control Sample	100	99	99	99
MB 480-711319/9	Method Blank	107	93	100	108
MB 480-711525/8	Method Blank	102	92	100	106

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: MB 480-711319/9

Matrix: Water

Analysis Batch: 711319

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/24 14:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/24 14:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/24 14:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/24 14:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/24 14:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/24 14:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/24 14:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/09/24 14:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/24 14:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/24 14:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/24 14:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/24 14:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/09/24 14:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/24 14:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/24 14:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/24 14:35	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/24 14:35	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			05/09/24 14:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/24 14:35	1
Acetone	ND		10	3.0	ug/L			05/09/24 14:35	1
Benzene	ND		1.0	0.41	ug/L			05/09/24 14:35	1
Bromoform	ND		1.0	0.26	ug/L			05/09/24 14:35	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/24 14:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/24 14:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/24 14:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/24 14:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/24 14:35	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/24 14:35	1
Chloroform	ND		1.0	0.34	ug/L			05/09/24 14:35	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/24 14:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/24 14:35	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/24 14:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/24 14:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/24 14:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/24 14:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/24 14:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/24 14:35	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/24 14:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/24 14:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/24 14:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/24 14:35	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/09/24 14:35	1
Naphthalene	ND		1.0	0.43	ug/L			05/09/24 14:35	1
n-Butylbenzene	ND		1.0	0.64	ug/L			05/09/24 14:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/09/24 14:35	1
o-Xylene	ND		1.0	0.76	ug/L			05/09/24 14:35	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			05/09/24 14:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/24 14:35	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: MB 480-711319/9

Matrix: Water

Analysis Batch: 711319

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			05/09/24 14:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/24 14:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/24 14:35	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/24 14:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/24 14:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/24 14:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/24 14:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/24 14:35	1
Styrene	ND		1.0	0.73	ug/L			05/09/24 14:35	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			05/09/24 14:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		05/09/24 14:35	1
4-Bromofluorobenzene (Surr)	93		73 - 120		05/09/24 14:35	1
Toluene-d8 (Surr)	100		80 - 120		05/09/24 14:35	1
Dibromofluoromethane (Surr)	108		75 - 123		05/09/24 14:35	1

Lab Sample ID: LCS 480-711319/7

Matrix: Water

Analysis Batch: 711319

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.4		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.6		ug/L		106	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.7		ug/L		115	61 - 148
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	25.6		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	26.8		ug/L		107	66 - 127
1,2,4-Trichlorobenzene	25.0	26.2		ug/L		105	79 - 122
1,2,4-Trimethylbenzene	25.0	27.2		ug/L		109	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.9		ug/L		100	56 - 134
1,2-Dichlorobenzene	25.0	26.4		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120
1,3,5-Trimethylbenzene	25.0	27.8		ug/L		111	77 - 121
1,3-Dichlorobenzene	25.0	26.6		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 120
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
2-Hexanone	125	124		ug/L		99	65 - 127
4-Isopropyltoluene	25.0	28.7		ug/L		115	73 - 120
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	71 - 125
Acetone	125	142		ug/L		113	56 - 142
Benzene	25.0	24.5		ug/L		98	71 - 124
Bromoform	25.0	27.9		ug/L		112	61 - 132
Bromomethane	25.0	25.1		ug/L		100	55 - 144
Carbon disulfide	25.0	27.0		ug/L		108	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: LCS 480-711319/7

Matrix: Water

Analysis Batch: 711319

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	27.2		ug/L		109	75 - 125
Chloroethane	25.0	24.9		ug/L		100	69 - 136
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	25.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
Cyclohexane	25.0	27.8		ug/L		111	59 - 135
Bromodichloromethane	25.0	25.0		ug/L		100	80 - 122
Dichlorodifluoromethane	25.0	25.0		ug/L		100	59 - 135
Ethylbenzene	25.0	26.1		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	25.9		ug/L		104	77 - 120
Isopropylbenzene	25.0	27.5		ug/L		110	77 - 122
Methyl acetate	50.0	53.5		ug/L		107	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120
Methylcyclohexane	25.0	27.4		ug/L		109	68 - 134
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
m,p-Xylene	25.0	26.5		ug/L		106	76 - 122
Naphthalene	25.0	26.0		ug/L		104	66 - 125
n-Butylbenzene	25.0	27.5		ug/L		110	71 - 128
N-Propylbenzene	25.0	27.7		ug/L		111	75 - 127
o-Xylene	25.0	27.0		ug/L		108	76 - 122
sec-Butylbenzene	25.0	28.1		ug/L		113	74 - 127
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	26.4		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	26.4		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	26.0		ug/L		104	80 - 120
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	28.3		ug/L		113	62 - 150
Vinyl chloride	25.0	25.6		ug/L		102	65 - 133
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	74 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120
tert-Butylbenzene	25.0	26.9		ug/L		108	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: MB 480-711525/8

Matrix: Water

Analysis Batch: 711525

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/24 13:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/24 13:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/24 13:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/24 13:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/24 13:31	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: MB 480-711525/8

Matrix: Water

Analysis Batch: 711525

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/24 13:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/24 13:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/10/24 13:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/24 13:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/24 13:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/24 13:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/24 13:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/10/24 13:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/24 13:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/24 13:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/24 13:31	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/24 13:31	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			05/10/24 13:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/24 13:31	1
Acetone	ND		10	3.0	ug/L			05/10/24 13:31	1
Benzene	ND		1.0	0.41	ug/L			05/10/24 13:31	1
Bromoform	ND		1.0	0.26	ug/L			05/10/24 13:31	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/24 13:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/24 13:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/24 13:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/24 13:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/24 13:31	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/24 13:31	1
Chloroform	ND		1.0	0.34	ug/L			05/10/24 13:31	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/24 13:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/24 13:31	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/24 13:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/24 13:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/24 13:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/24 13:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/24 13:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/24 13:31	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/24 13:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/24 13:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/24 13:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/24 13:31	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/10/24 13:31	1
Naphthalene	ND		1.0	0.43	ug/L			05/10/24 13:31	1
n-Butylbenzene	ND		1.0	0.64	ug/L			05/10/24 13:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/10/24 13:31	1
o-Xylene	ND		1.0	0.76	ug/L			05/10/24 13:31	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			05/10/24 13:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/24 13:31	1
Toluene	ND		1.0	0.51	ug/L			05/10/24 13:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/24 13:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/24 13:31	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/24 13:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/24 13:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/24 13:31	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: MB 480-711525/8

Matrix: Water

Analysis Batch: 711525

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/24 13:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/24 13:31	1
Styrene	ND		1.0	0.73	ug/L			05/10/24 13:31	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			05/10/24 13:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					05/10/24 13:31	1
4-Bromofluorobenzene (Surr)	92		73 - 120					05/10/24 13:31	1
Toluene-d8 (Surr)	100		80 - 120					05/10/24 13:31	1
Dibromofluoromethane (Surr)	106		75 - 123					05/10/24 13:31	1

Lab Sample ID: LCS 480-711525/6

Matrix: Water

Analysis Batch: 711525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.5		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.9		ug/L		108	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.4		ug/L		110	61 - 148
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		103	79 - 122
1,2,4-Trimethylbenzene	25.0	27.2		ug/L		109	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.2		ug/L		101	56 - 134
1,2-Dichlorobenzene	25.0	26.9		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	26.0		ug/L		104	76 - 120
1,3,5-Trimethylbenzene	25.0	28.3		ug/L		113	77 - 121
1,3-Dichlorobenzene	25.0	27.5		ug/L		110	77 - 120
1,4-Dichlorobenzene	25.0	26.7		ug/L		107	80 - 120
2-Butanone (MEK)	125	134		ug/L		107	57 - 140
2-Hexanone	125	134		ug/L		107	65 - 127
4-Isopropyltoluene	25.0	29.2		ug/L		117	73 - 120
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	71 - 125
Acetone	125	152		ug/L		121	56 - 142
Benzene	25.0	25.3		ug/L		101	71 - 124
Bromoform	25.0	25.0		ug/L		100	61 - 132
Bromomethane	25.0	23.2		ug/L		93	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	25.9		ug/L		104	80 - 120
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chloroethane	25.0	23.8		ug/L		95	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	24.3		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
Cyclohexane	25.0	28.2		ug/L		113	59 - 135

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: LCS 480-711525/6

Matrix: Water

Analysis Batch: 711525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Dichlorodifluoromethane	25.0	23.1		ug/L		92	59 - 135
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
1,2-Dibromoethane	25.0	25.5		ug/L		102	77 - 120
Isopropylbenzene	25.0	27.6		ug/L		111	77 - 122
Methyl acetate	50.0	52.8		ug/L		106	74 - 133
Methyl tert-butyl ether	25.0	24.8		ug/L		99	77 - 120
Methylcyclohexane	25.0	27.4		ug/L		109	68 - 134
Methylene Chloride	25.0	25.6		ug/L		102	75 - 124
m,p-Xylene	25.0	27.4		ug/L		110	76 - 122
Naphthalene	25.0	25.5		ug/L		102	66 - 125
n-Butylbenzene	25.0	28.0		ug/L		112	71 - 128
N-Propylbenzene	25.0	28.2		ug/L		113	75 - 127
o-Xylene	25.0	26.7		ug/L		107	76 - 122
sec-Butylbenzene	25.0	28.5		ug/L		114	74 - 127
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	26.6		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	80 - 120
Trichloroethene	25.0	25.8		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	26.7		ug/L		107	62 - 150
Vinyl chloride	25.0	23.9		ug/L		96	65 - 133
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	74 - 124
Styrene	25.0	26.3		ug/L		105	80 - 120
tert-Butylbenzene	25.0	27.3		ug/L		109	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: 480-219589-2 MS

Matrix: Water

Analysis Batch: 711525

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		125	134		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	ND		125	131		ug/L		105	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		125	148		ug/L		119	61 - 148
1,1,2-Trichloroethane	ND		125	115		ug/L		92	76 - 122
1,1-Dichloroethane	ND		125	129		ug/L		103	77 - 120
1,1-Dichloroethene	ND		125	137		ug/L		109	66 - 127
1,2,4-Trichlorobenzene	ND		125	120		ug/L		96	79 - 122
1,2,4-Trimethylbenzene	ND		125	138		ug/L		111	76 - 121
1,2-Dibromo-3-Chloropropane	ND		125	121		ug/L		96	56 - 134
1,2-Dichlorobenzene	ND		125	129		ug/L		103	80 - 124
1,2-Dichloroethane	ND		125	119		ug/L		95	75 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: 480-219589-2 MS

Matrix: Water

Analysis Batch: 711525

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	ND		125	123		ug/L		98	76 - 120
1,3,5-Trimethylbenzene	ND		125	137		ug/L		109	77 - 121
1,3-Dichlorobenzene	ND		125	130		ug/L		104	77 - 120
1,4-Dichlorobenzene	ND		125	126		ug/L		101	78 - 124
2-Butanone (MEK)	ND		625	600		ug/L		96	57 - 140
2-Hexanone	ND		625	558		ug/L		89	65 - 127
4-Isopropyltoluene	ND		125	140		ug/L		112	73 - 120
4-Methyl-2-pentanone (MIBK)	ND		625	598		ug/L		96	71 - 125
Acetone	ND		625	631		ug/L		101	56 - 142
Benzene	250		125	369		ug/L		93	71 - 124
Bromoform	ND		125	118		ug/L		94	61 - 132
Bromomethane	ND		125	127		ug/L		102	55 - 144
Carbon disulfide	ND		125	139		ug/L		111	59 - 134
Carbon tetrachloride	ND		125	136		ug/L		108	72 - 134
Chlorobenzene	ND		125	122		ug/L		98	80 - 120
Dibromochloromethane	ND		125	124		ug/L		99	75 - 125
Chloroethane	ND		125	128		ug/L		102	69 - 136
Chloroform	ND		125	122		ug/L		98	73 - 127
Chloromethane	ND		125	140		ug/L		112	68 - 124
cis-1,2-Dichloroethene	ND		125	136		ug/L		109	74 - 124
Cyclohexane	ND		125	147		ug/L		118	59 - 135
Bromodichloromethane	ND		125	122		ug/L		97	80 - 122
Dichlorodifluoromethane	ND		125	131		ug/L		105	59 - 135
Ethylbenzene	5.7		125	128		ug/L		98	77 - 123
1,2-Dibromoethane	ND		125	118		ug/L		95	77 - 120
Isopropylbenzene	ND		125	138		ug/L		110	77 - 122
Methyl acetate	ND		250	254		ug/L		102	74 - 133
Methyl tert-butyl ether	ND		125	124		ug/L		100	77 - 120
Methylcyclohexane	ND		125	139		ug/L		111	68 - 134
Methylene Chloride	ND		125	134		ug/L		107	75 - 124
m,p-Xylene	16		125	142		ug/L		101	76 - 122
Naphthalene	7.7		125	136		ug/L		102	66 - 125
n-Butylbenzene	ND		125	132		ug/L		106	71 - 128
N-Propylbenzene	ND		125	136		ug/L		109	75 - 127
o-Xylene	10		125	138		ug/L		102	76 - 122
sec-Butylbenzene	ND		125	140		ug/L		112	74 - 127
Tetrachloroethene	ND		125	126		ug/L		101	74 - 122
Toluene	42		125	167		ug/L		100	80 - 122
trans-1,2-Dichloroethene	ND		125	136		ug/L		109	73 - 127
trans-1,3-Dichloropropene	ND		125	111		ug/L		89	80 - 120
Trichloroethene	ND		125	126		ug/L		101	74 - 123
Trichlorofluoromethane	ND		125	149		ug/L		119	62 - 150
Vinyl chloride	ND		125	138		ug/L		110	65 - 133
cis-1,3-Dichloropropene	ND		125	114		ug/L		91	74 - 124
Styrene	ND		125	122		ug/L		97	80 - 120
tert-Butylbenzene	ND		125	133		ug/L		106	75 - 123

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: 480-219589-2 MS

Matrix: Water

Analysis Batch: 711525

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	106		75 - 123

Lab Sample ID: 480-219589-2 MSD

Matrix: Water

Analysis Batch: 711525

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		125	129		ug/L		103	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		125	121		ug/L		97	76 - 120	8	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		125	142		ug/L		114	61 - 148	4	20
1,1,2-Trichloroethane	ND		125	114		ug/L		91	76 - 122	1	15
1,1-Dichloroethane	ND		125	124		ug/L		100	77 - 120	4	20
1,1-Dichloroethene	ND		125	130		ug/L		104	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		125	112		ug/L		89	79 - 122	7	20
1,2,4-Trimethylbenzene	ND		125	123		ug/L		98	76 - 121	12	20
1,2-Dibromo-3-Chloropropane	ND		125	108		ug/L		86	56 - 134	11	15
1,2-Dichlorobenzene	ND		125	119		ug/L		95	80 - 124	8	20
1,2-Dichloroethane	ND		125	120		ug/L		96	75 - 120	1	20
1,2-Dichloropropane	ND		125	124		ug/L		99	76 - 120	1	20
1,3,5-Trimethylbenzene	ND		125	124		ug/L		99	77 - 121	10	20
1,3-Dichlorobenzene	ND		125	120		ug/L		96	77 - 120	8	20
1,4-Dichlorobenzene	ND		125	116		ug/L		93	78 - 124	8	20
2-Butanone (MEK)	ND		625	614		ug/L		98	57 - 140	2	20
2-Hexanone	ND		625	582		ug/L		93	65 - 127	4	15
4-Isopropyltoluene	ND		125	126		ug/L		101	73 - 120	10	20
4-Methyl-2-pentanone (MIBK)	ND		625	595		ug/L		95	71 - 125	0	35
Acetone	ND		625	616		ug/L		99	56 - 142	2	15
Benzene	250		125	363		ug/L		88	71 - 124	2	13
Bromoform	ND		125	117		ug/L		93	61 - 132	1	15
Bromomethane	ND		125	122		ug/L		98	55 - 144	4	15
Carbon disulfide	ND		125	129		ug/L		104	59 - 134	7	15
Carbon tetrachloride	ND		125	129		ug/L		104	72 - 134	5	15
Chlorobenzene	ND		125	117		ug/L		94	80 - 120	4	25
Dibromochloromethane	ND		125	125		ug/L		100	75 - 125	0	15
Chloroethane	ND		125	121		ug/L		97	69 - 136	5	15
Chloroform	ND		125	116		ug/L		93	73 - 127	5	20
Chloromethane	ND		125	129		ug/L		103	68 - 124	8	15
cis-1,2-Dichloroethene	ND		125	127		ug/L		102	74 - 124	7	15
Cyclohexane	ND		125	139		ug/L		111	59 - 135	6	20
Bromodichloromethane	ND		125	121		ug/L		97	80 - 122	1	15
Dichlorodifluoromethane	ND		125	119		ug/L		95	59 - 135	10	20
Ethylbenzene	5.7		125	123		ug/L		94	77 - 123	4	15
1,2-Dibromoethane	ND		125	115		ug/L		92	77 - 120	3	15
Isopropylbenzene	ND		125	122		ug/L		97	77 - 122	12	20
Methyl acetate	ND		250	249		ug/L		100	74 - 133	2	20

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

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

Lab Sample ID: 480-219589-2 MSD

Matrix: Water

Analysis Batch: 711525

Client Sample ID: PRE-CARBON

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		125	119		ug/L		96	77 - 120	4	37
Methylcyclohexane	ND		125	127		ug/L		101	68 - 134	9	20
Methylene Chloride	ND		125	126		ug/L		101	75 - 124	6	15
m,p-Xylene	16		125	137		ug/L		96	76 - 122	4	16
Naphthalene	7.7		125	125		ug/L		94	66 - 125	8	20
n-Butylbenzene	ND		125	120		ug/L		96	71 - 128	10	15
N-Propylbenzene	ND		125	122		ug/L		98	75 - 127	11	15
o-Xylene	10		125	132		ug/L		98	76 - 122	4	16
sec-Butylbenzene	ND		125	124		ug/L		99	74 - 127	13	15
Tetrachloroethene	ND		125	120		ug/L		96	74 - 122	5	20
Toluene	42		125	157		ug/L		92	80 - 122	6	15
trans-1,2-Dichloroethene	ND		125	127		ug/L		102	73 - 127	6	20
trans-1,3-Dichloropropene	ND		125	111		ug/L		89	80 - 120	0	15
Trichloroethene	ND		125	120		ug/L		96	74 - 123	5	16
Trichlorofluoromethane	ND		125	138		ug/L		111	62 - 150	7	20
Vinyl chloride	ND		125	124		ug/L		100	65 - 133	10	15
cis-1,3-Dichloropropene	ND		125	116		ug/L		92	74 - 124	1	15
Styrene	ND		125	119		ug/L		95	80 - 120	2	20
tert-Butylbenzene	ND		125	119		ug/L		95	75 - 123	11	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	108		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

GC/MS VOA

Analysis Batch: 711319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219589-1	POST CARBON 2	Total/NA	Water	8260C	
480-219589-3	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-711319/9	Method Blank	Total/NA	Water	8260C	
LCS 480-711319/7	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 711525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219589-2	PRE-CARBON	Total/NA	Water	8260C	
MB 480-711525/8	Method Blank	Total/NA	Water	8260C	
LCS 480-711525/6	Lab Control Sample	Total/NA	Water	8260C	
480-219589-2 MS	PRE-CARBON	Total/NA	Water	8260C	
480-219589-2 MSD	PRE-CARBON	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-219589-1

Date Collected: 05/07/24 07:35

Matrix: Water

Date Received: 05/07/24 13:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	711319	LCH	EET BUF	05/09/24 18:54

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-219589-2

Date Collected: 05/07/24 07:45

Matrix: Water

Date Received: 05/07/24 13:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	711525	LCH	EET BUF	05/10/24 15:47

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-219589-3

Date Collected: 05/07/24 07:55

Matrix: Water

Date Received: 05/07/24 13:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	711319	LCH	EET BUF	05/09/24 19:39

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-219589-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-219589-1	POST CARBON 2	Water	05/07/24 07:35	05/07/24 13:38
480-219589-2	PRE-CARBON	Water	05/07/24 07:45	05/07/24 13:38
480-219589-3	OUTSIDE SUMP	Water	05/07/24 07:55	05/07/24 13:38

1

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14

15

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☐ Standard 14 Days _____ /

☐ 1 day RUSH _____ /

☒ Other 10-day TAT _____ /

Laboratory Information

Lab: Eurofins
Address: 10 Hazelwood Dr. Amherst, NY 14228
Phone: 716-691-2600
Lab PM: John Beninati
Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format compatible with most recent DEC format
- ☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

FOEDD Name: NYSDEC/Tonawanda/NY/ENIagaraSt/126 LabReport#.17811.FOEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler:		Date / Time:	Received By:
1	Jess Paterson - GES	1 5/7/24 1338	1
Relinquished By:		Date / Time:	Received By:
2		2	2
Relinquished By:		Date / Time:	Received By:
3	JS	3 5/7/24 1338	3 Tm8
Custody Seal Number:		☐ Intact ☐ Not Intact ☐ Preserved where applicable ☐ On Ice	
		Cooler Temp 13.2 #ICE	



480-219589 Chain of Custody

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-219589-1

Login Number: 219589

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

Generated 6/19/2024 4:06:56 PM

JOB DESCRIPTION

NYSDEC Gastown Site

JOB NUMBER

480-220722-1

Eurofins Buffalo

Job Notes

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

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

Authorization



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6/19/2024 4:06:56 PM

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Qualifiers

GC/MS VOA

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

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC Gastown Site

Job ID: 480-220722-1

Job ID: 480-220722-1

Eurofins Buffalo

Job Narrative 480-220722-1

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

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

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

Receipt

The samples were received on 6/11/2024 3:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OUTSIDE SUMP (480-220722-3). Elevated reporting limits (RLs) are provided.

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

Eurofins Buffalo

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-220722-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.2		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	6.9		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-220722-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	70		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	2.1		1.0	0.74	ug/L	1		8260C	Total/NA
m,p-Xylene	10		2.0	0.66	ug/L	1		8260C	Total/NA
Naphthalene	2.3		1.0	0.43	ug/L	1		8260C	Total/NA
o-Xylene	7.0		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	13		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	17		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-220722-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2400		50	21	ug/L	50		8260C	Total/NA
Ethylbenzene	120		50	37	ug/L	50		8260C	Total/NA
m,p-Xylene	73	J	100	33	ug/L	50		8260C	Total/NA
Naphthalene	200		50	22	ug/L	50		8260C	Total/NA
Toluene	320		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	73	J	100	33	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-220722-1

Date Collected: 06/11/24 15:00

Matrix: Water

Date Received: 06/11/24 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/24 14:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/24 14:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/24 14:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/24 14:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/24 14:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/24 14:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/24 14:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			06/12/24 14:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/24 14:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/24 14:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/24 14:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/24 14:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			06/12/24 14:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/24 14:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/24 14:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/24 14:50	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/24 14:50	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			06/12/24 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/24 14:50	1
Acetone	ND		10	3.0	ug/L			06/12/24 14:50	1
Benzene	4.2		1.0	0.41	ug/L			06/12/24 14:50	1
Bromoform	ND		1.0	0.26	ug/L			06/12/24 14:50	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/24 14:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/24 14:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/24 14:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/24 14:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/24 14:50	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/24 14:50	1
Chloroform	6.9		1.0	0.34	ug/L			06/12/24 14:50	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/24 14:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/12/24 14:50	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/24 14:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/24 14:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/24 14:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/24 14:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/24 14:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/24 14:50	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/24 14:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/24 14:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/24 14:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/24 14:50	1
m,p-Xylene	ND		2.0	0.66	ug/L			06/12/24 14:50	1
Naphthalene	ND		1.0	0.43	ug/L			06/12/24 14:50	1
n-Butylbenzene	ND		1.0	0.64	ug/L			06/12/24 14:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			06/12/24 14:50	1
o-Xylene	ND		1.0	0.76	ug/L			06/12/24 14:50	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			06/12/24 14:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/24 14:50	1
Toluene	ND		1.0	0.51	ug/L			06/12/24 14:50	1

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-220722-1

Date Collected: 06/11/24 15:00

Matrix: Water

Date Received: 06/11/24 15:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/24 14:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/24 14:50	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/24 14:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/24 14:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/12/24 14:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/24 14:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/24 14:50	1
Styrene	ND		1.0	0.73	ug/L			06/12/24 14:50	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			06/12/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120					06/12/24 14:50	1
4-Bromofluorobenzene (Surr)	101		73 - 120					06/12/24 14:50	1
Toluene-d8 (Surr)	97		80 - 120					06/12/24 14:50	1
Dibromofluoromethane (Surr)	106		75 - 123					06/12/24 14:50	1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-220722-2

Date Collected: 06/11/24 15:05

Matrix: Water

Date Received: 06/11/24 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/24 14:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/24 14:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/13/24 14:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/24 14:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/24 14:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/24 14:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/13/24 14:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			06/13/24 14:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/13/24 14:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/24 14:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/24 14:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/24 14:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			06/13/24 14:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/24 14:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/24 14:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/13/24 14:50	1
2-Hexanone	ND		5.0	1.2	ug/L			06/13/24 14:50	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			06/13/24 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/13/24 14:50	1
Acetone	ND		10	3.0	ug/L			06/13/24 14:50	1
Benzene	70		1.0	0.41	ug/L			06/13/24 14:50	1
Bromoform	ND		1.0	0.26	ug/L			06/13/24 14:50	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/24 14:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/13/24 14:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/24 14:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/24 14:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/24 14:50	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/24 14:50	1

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-220722-2

Date Collected: 06/11/24 15:05

Matrix: Water

Date Received: 06/11/24 15:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			06/13/24 14:50	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/24 14:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/24 14:50	1
Cyclohexane	ND		1.0	0.18	ug/L			06/13/24 14:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/24 14:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/24 14:50	1
Ethylbenzene	2.1		1.0	0.74	ug/L			06/13/24 14:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/13/24 14:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/13/24 14:50	1
Methyl acetate	ND		2.5	1.3	ug/L			06/13/24 14:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/13/24 14:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/13/24 14:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/24 14:50	1
m,p-Xylene	10		2.0	0.66	ug/L			06/13/24 14:50	1
Naphthalene	2.3		1.0	0.43	ug/L			06/13/24 14:50	1
n-Butylbenzene	ND		1.0	0.64	ug/L			06/13/24 14:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			06/13/24 14:50	1
o-Xylene	7.0		1.0	0.76	ug/L			06/13/24 14:50	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			06/13/24 14:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/24 14:50	1
Toluene	13		1.0	0.51	ug/L			06/13/24 14:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/24 14:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/24 14:50	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/24 14:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/24 14:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/24 14:50	1
Xylenes, Total	17		2.0	0.66	ug/L			06/13/24 14:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/24 14:50	1
Styrene	ND		1.0	0.73	ug/L			06/13/24 14:50	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			06/13/24 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		06/13/24 14:50	1
4-Bromofluorobenzene (Surr)	104		73 - 120		06/13/24 14:50	1
Toluene-d8 (Surr)	98		80 - 120		06/13/24 14:50	1
Dibromofluoromethane (Surr)	110		75 - 123		06/13/24 14:50	1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-220722-3

Date Collected: 06/11/24 15:10

Matrix: Water

Date Received: 06/11/24 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			06/12/24 15:35	50
1,1,1,2-Tetrachloroethane	ND		50	11	ug/L			06/12/24 15:35	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			06/12/24 15:35	50
1,1,2-Trichloroethane	ND		50	12	ug/L			06/12/24 15:35	50
1,1-Dichloroethane	ND		50	19	ug/L			06/12/24 15:35	50
1,1-Dichloroethene	ND		50	15	ug/L			06/12/24 15:35	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			06/12/24 15:35	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-220722-3

Date Collected: 06/11/24 15:10

Matrix: Water

Date Received: 06/11/24 15:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		50	38	ug/L			06/12/24 15:35	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			06/12/24 15:35	50
1,2-Dichlorobenzene	ND		50	40	ug/L			06/12/24 15:35	50
1,2-Dichloroethane	ND		50	11	ug/L			06/12/24 15:35	50
1,2-Dichloropropane	ND		50	36	ug/L			06/12/24 15:35	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			06/12/24 15:35	50
1,3-Dichlorobenzene	ND		50	39	ug/L			06/12/24 15:35	50
1,4-Dichlorobenzene	ND		50	42	ug/L			06/12/24 15:35	50
2-Butanone (MEK)	ND		500	66	ug/L			06/12/24 15:35	50
2-Hexanone	ND		250	62	ug/L			06/12/24 15:35	50
4-Isopropyltoluene	ND		50	16	ug/L			06/12/24 15:35	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			06/12/24 15:35	50
Acetone	ND		500	150	ug/L			06/12/24 15:35	50
Benzene	2400		50	21	ug/L			06/12/24 15:35	50
Bromoform	ND		50	13	ug/L			06/12/24 15:35	50
Bromomethane	ND		50	35	ug/L			06/12/24 15:35	50
Carbon disulfide	ND		50	9.5	ug/L			06/12/24 15:35	50
Carbon tetrachloride	ND		50	14	ug/L			06/12/24 15:35	50
Chlorobenzene	ND		50	38	ug/L			06/12/24 15:35	50
Dibromochloromethane	ND		50	16	ug/L			06/12/24 15:35	50
Chloroethane	ND		50	16	ug/L			06/12/24 15:35	50
Chloroform	ND		50	17	ug/L			06/12/24 15:35	50
Chloromethane	ND		50	18	ug/L			06/12/24 15:35	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			06/12/24 15:35	50
Cyclohexane	ND		50	9.0	ug/L			06/12/24 15:35	50
Bromodichloromethane	ND		50	20	ug/L			06/12/24 15:35	50
Dichlorodifluoromethane	ND		50	34	ug/L			06/12/24 15:35	50
Ethylbenzene	120		50	37	ug/L			06/12/24 15:35	50
1,2-Dibromoethane	ND		50	37	ug/L			06/12/24 15:35	50
Isopropylbenzene	ND		50	40	ug/L			06/12/24 15:35	50
Methyl acetate	ND		130	65	ug/L			06/12/24 15:35	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			06/12/24 15:35	50
Methylcyclohexane	ND		50	8.0	ug/L			06/12/24 15:35	50
Methylene Chloride	ND		50	22	ug/L			06/12/24 15:35	50
m,p-Xylene	73 J		100	33	ug/L			06/12/24 15:35	50
Naphthalene	200		50	22	ug/L			06/12/24 15:35	50
n-Butylbenzene	ND		50	32	ug/L			06/12/24 15:35	50
N-Propylbenzene	ND		50	35	ug/L			06/12/24 15:35	50
o-Xylene	ND		50	38	ug/L			06/12/24 15:35	50
sec-Butylbenzene	ND		50	38	ug/L			06/12/24 15:35	50
Tetrachloroethene	ND		50	18	ug/L			06/12/24 15:35	50
Toluene	320		50	26	ug/L			06/12/24 15:35	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			06/12/24 15:35	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			06/12/24 15:35	50
Trichloroethene	ND		50	23	ug/L			06/12/24 15:35	50
Trichlorofluoromethane	ND		50	44	ug/L			06/12/24 15:35	50
Vinyl chloride	ND		50	45	ug/L			06/12/24 15:35	50
Xylenes, Total	73 J		100	33	ug/L			06/12/24 15:35	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			06/12/24 15:35	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-220722-3

Date Collected: 06/11/24 15:10

Matrix: Water

Date Received: 06/11/24 15:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		50	37	ug/L			06/12/24 15:35	50
tert-Butylbenzene	ND		50	41	ug/L			06/12/24 15:35	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					06/12/24 15:35	50
4-Bromofluorobenzene (Surr)	100		73 - 120					06/12/24 15:35	50
Toluene-d8 (Surr)	98		80 - 120					06/12/24 15:35	50
Dibromofluoromethane (Surr)	109		75 - 123					06/12/24 15:35	50

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-220722-1	POST CARBON 2	103	101	97	106
480-220722-2	PRE-CARBON	115	104	98	110
480-220722-3	OUTSIDE SUMP	106	100	98	109
LCS 480-715314/6	Lab Control Sample	101	103	101	103
LCS 480-715463/6	Lab Control Sample	103	104	103	107
MB 480-715314/8	Method Blank	103	101	96	104
MB 480-715463/8	Method Blank	103	103	98	105

Surrogate Legend

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

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

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

Lab Sample ID: MB 480-715314/8

Matrix: Water

Analysis Batch: 715314

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/24 13:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/24 13:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/24 13:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/24 13:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/24 13:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/24 13:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/24 13:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			06/12/24 13:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/24 13:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/24 13:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/24 13:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/24 13:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			06/12/24 13:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/24 13:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/24 13:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/24 13:20	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/24 13:20	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			06/12/24 13:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/24 13:20	1
Acetone	ND		10	3.0	ug/L			06/12/24 13:20	1
Benzene	ND		1.0	0.41	ug/L			06/12/24 13:20	1
Bromoform	ND		1.0	0.26	ug/L			06/12/24 13:20	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/24 13:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/24 13:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/24 13:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/24 13:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/24 13:20	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/24 13:20	1
Chloroform	ND		1.0	0.34	ug/L			06/12/24 13:20	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/24 13:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/12/24 13:20	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/24 13:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/24 13:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/24 13:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/24 13:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/24 13:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/24 13:20	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/24 13:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/24 13:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/24 13:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/24 13:20	1
m,p-Xylene	ND		2.0	0.66	ug/L			06/12/24 13:20	1
Naphthalene	ND		1.0	0.43	ug/L			06/12/24 13:20	1
n-Butylbenzene	ND		1.0	0.64	ug/L			06/12/24 13:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			06/12/24 13:20	1
o-Xylene	ND		1.0	0.76	ug/L			06/12/24 13:20	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			06/12/24 13:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/24 13:20	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

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

Lab Sample ID: MB 480-715314/8

Matrix: Water

Analysis Batch: 715314

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			06/12/24 13:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/24 13:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/24 13:20	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/24 13:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/24 13:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/12/24 13:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/24 13:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/24 13:20	1
Styrene	ND		1.0	0.73	ug/L			06/12/24 13:20	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			06/12/24 13:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/12/24 13:20	1
4-Bromofluorobenzene (Surr)	101		73 - 120		06/12/24 13:20	1
Toluene-d8 (Surr)	96		80 - 120		06/12/24 13:20	1
Dibromofluoromethane (Surr)	104		75 - 123		06/12/24 13:20	1

Lab Sample ID: LCS 480-715314/6

Matrix: Water

Analysis Batch: 715314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.9		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.1		ug/L		105	61 - 148
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	28.1		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	25.0	26.5		ug/L		106	79 - 122
1,2,4-Trimethylbenzene	25.0	25.6		ug/L		102	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	26.1		ug/L		104	56 - 134
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3,5-Trimethylbenzene	25.0	25.7		ug/L		103	77 - 121
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	23.4		ug/L		93	80 - 120
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
2-Hexanone	125	136		ug/L		109	65 - 127
4-Isopropyltoluene	25.0	26.9		ug/L		108	73 - 120
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	110		ug/L		88	56 - 142
Benzene	25.0	25.1		ug/L		100	71 - 124
Bromoform	25.0	29.2		ug/L		117	61 - 132
Bromomethane	25.0	27.0		ug/L		108	55 - 144
Carbon disulfide	25.0	27.5		ug/L		110	59 - 134
Carbon tetrachloride	25.0	30.3		ug/L		121	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

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

Lab Sample ID: LCS 480-715314/6

Matrix: Water

Analysis Batch: 715314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	28.7		ug/L		115	75 - 125
Chloroethane	25.0	31.3		ug/L		125	69 - 136
Chloroform	25.0	25.4		ug/L		102	73 - 127
Chloromethane	25.0	23.8		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	25.9		ug/L		104	59 - 135
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Dichlorodifluoromethane	25.0	22.3		ug/L		89	59 - 135
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	26.1		ug/L		104	77 - 120
Isopropylbenzene	25.0	25.8		ug/L		103	77 - 122
Methyl acetate	50.0	54.2		ug/L		108	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	27.5		ug/L		110	68 - 134
Methylene Chloride	25.0	26.7		ug/L		107	75 - 124
m,p-Xylene	25.0	26.4		ug/L		106	76 - 122
Naphthalene	25.0	24.9		ug/L		100	66 - 125
n-Butylbenzene	25.0	27.2		ug/L		109	71 - 128
N-Propylbenzene	25.0	25.7		ug/L		103	75 - 127
o-Xylene	25.0	27.1		ug/L		108	76 - 122
sec-Butylbenzene	25.0	26.2		ug/L		105	74 - 127
Tetrachloroethene	25.0	28.6		ug/L		114	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	29.2		ug/L		117	80 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	29.6		ug/L		118	62 - 150
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Styrene	25.0	26.9		ug/L		108	80 - 120
tert-Butylbenzene	25.0	26.2		ug/L		105	75 - 123

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

Lab Sample ID: MB 480-715463/8

Matrix: Water

Analysis Batch: 715463

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/24 13:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/24 13:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/13/24 13:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/24 13:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/24 13:03	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

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

Lab Sample ID: MB 480-715463/8

Matrix: Water

Analysis Batch: 715463

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/24 13:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/13/24 13:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			06/13/24 13:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/13/24 13:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/24 13:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/24 13:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/24 13:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			06/13/24 13:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/24 13:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/24 13:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/13/24 13:03	1
2-Hexanone	ND		5.0	1.2	ug/L			06/13/24 13:03	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			06/13/24 13:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/13/24 13:03	1
Acetone	ND		10	3.0	ug/L			06/13/24 13:03	1
Benzene	ND		1.0	0.41	ug/L			06/13/24 13:03	1
Bromoform	ND		1.0	0.26	ug/L			06/13/24 13:03	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/24 13:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/13/24 13:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/24 13:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/24 13:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/24 13:03	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/24 13:03	1
Chloroform	ND		1.0	0.34	ug/L			06/13/24 13:03	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/24 13:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/24 13:03	1
Cyclohexane	ND		1.0	0.18	ug/L			06/13/24 13:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/24 13:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/24 13:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/24 13:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/13/24 13:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/13/24 13:03	1
Methyl acetate	ND		2.5	1.3	ug/L			06/13/24 13:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/13/24 13:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/13/24 13:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/24 13:03	1
m,p-Xylene	ND		2.0	0.66	ug/L			06/13/24 13:03	1
Naphthalene	ND		1.0	0.43	ug/L			06/13/24 13:03	1
n-Butylbenzene	ND		1.0	0.64	ug/L			06/13/24 13:03	1
N-Propylbenzene	ND		1.0	0.69	ug/L			06/13/24 13:03	1
o-Xylene	ND		1.0	0.76	ug/L			06/13/24 13:03	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			06/13/24 13:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/24 13:03	1
Toluene	ND		1.0	0.51	ug/L			06/13/24 13:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/24 13:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/24 13:03	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/24 13:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/24 13:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/24 13:03	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

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

Lab Sample ID: MB 480-715463/8

Matrix: Water

Analysis Batch: 715463

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/24 13:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/24 13:03	1
Styrene	ND		1.0	0.73	ug/L			06/13/24 13:03	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			06/13/24 13:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/13/24 13:03	1
4-Bromofluorobenzene (Surr)	103		73 - 120		06/13/24 13:03	1
Toluene-d8 (Surr)	98		80 - 120		06/13/24 13:03	1
Dibromofluoromethane (Surr)	105		75 - 123		06/13/24 13:03	1

Lab Sample ID: LCS 480-715463/6

Matrix: Water

Analysis Batch: 715463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	29.0		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.2		ug/L		89	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.3		ug/L		105	61 - 148
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	26.5		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	27.8		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	25.0	26.8		ug/L		107	79 - 122
1,2,4-Trimethylbenzene	25.0	25.9		ug/L		104	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	56 - 134
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	25.4		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120
1,3,5-Trimethylbenzene	25.0	25.0		ug/L		100	77 - 121
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 120
2-Butanone (MEK)	125	122		ug/L		98	57 - 140
2-Hexanone	125	132		ug/L		106	65 - 127
4-Isopropyltoluene	25.0	26.7		ug/L		107	73 - 120
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	133		ug/L		107	56 - 142
Benzene	25.0	25.1		ug/L		100	71 - 124
Bromoform	25.0	27.4		ug/L		109	61 - 132
Bromomethane	25.0	27.6		ug/L		111	55 - 144
Carbon disulfide	25.0	26.9		ug/L		108	59 - 134
Carbon tetrachloride	25.0	30.9		ug/L		123	72 - 134
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Dibromochloromethane	25.0	28.1		ug/L		112	75 - 125
Chloroethane	25.0	31.3		ug/L		125	69 - 136
Chloroform	25.0	26.0		ug/L		104	73 - 127
Chloromethane	25.0	23.2		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	26.1		ug/L		104	59 - 135

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

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

Lab Sample ID: LCS 480-715463/6

Matrix: Water

Analysis Batch: 715463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	25.0	27.0		ug/L		108	80 - 122
Dichlorodifluoromethane	25.0	20.6		ug/L		83	59 - 135
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	25.8		ug/L		103	77 - 120
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
Methyl acetate	50.0	54.2		ug/L		108	74 - 133
Methyl tert-butyl ether	25.0	25.3		ug/L		101	77 - 120
Methylcyclohexane	25.0	27.3		ug/L		109	68 - 134
Methylene Chloride	25.0	27.3		ug/L		109	75 - 124
m,p-Xylene	25.0	26.3		ug/L		105	76 - 122
Naphthalene	25.0	24.0		ug/L		96	66 - 125
n-Butylbenzene	25.0	26.8		ug/L		107	71 - 128
N-Propylbenzene	25.0	25.0		ug/L		100	75 - 127
o-Xylene	25.0	26.8		ug/L		107	76 - 122
sec-Butylbenzene	25.0	25.9		ug/L		104	74 - 127
Tetrachloroethene	25.0	28.6		ug/L		114	74 - 122
Toluene	25.0	25.9		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	27.4		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	80 - 120
Trichloroethene	25.0	26.5		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	30.2		ug/L		121	62 - 150
Vinyl chloride	25.0	26.4		ug/L		106	65 - 133
cis-1,3-Dichloropropene	25.0	26.4		ug/L		106	74 - 124
Styrene	25.0	26.9		ug/L		108	80 - 120
tert-Butylbenzene	25.0	25.6		ug/L		102	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	107		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

GC/MS VOA

Analysis Batch: 715314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220722-1	POST CARBON 2	Total/NA	Water	8260C	
480-220722-3	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-715314/8	Method Blank	Total/NA	Water	8260C	
LCS 480-715314/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 715463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220722-2	PRE-CARBON	Total/NA	Water	8260C	
MB 480-715463/8	Method Blank	Total/NA	Water	8260C	
LCS 480-715463/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-220722-1

Date Collected: 06/11/24 15:00

Matrix: Water

Date Received: 06/11/24 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	715314	AXK	EET BUF	06/12/24 14:50

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-220722-2

Date Collected: 06/11/24 15:05

Matrix: Water

Date Received: 06/11/24 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	715463	AXK	EET BUF	06/13/24 14:50

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-220722-3

Date Collected: 06/11/24 15:10

Matrix: Water

Date Received: 06/11/24 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	715314	AXK	EET BUF	06/12/24 15:35

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-220722-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220722-1	POST CARBON 2	Water	06/11/24 15:00	06/11/24 15:45
480-220722-2	PRE-CARBON	Water	06/11/24 15:05	06/11/24 15:45
480-220722-3	OUTSIDE SUMP	Water	06/11/24 15:10	06/11/24 15:45

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-220722-1

Login Number: 220722

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

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JOB DESCRIPTION

NYSDEC Gastown Site

JOB NUMBER

480-221673-1

Eurofins Buffalo

Job Notes

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

Authorization



Authorized for release by
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Revision 1

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC Gastown Site

Job ID: 480-221673-1

Job ID: 480-221673-1

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Job Narrative 480-221673-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Revision 1

The report being provided is a revision of the original report sent on 7/26/2024. The report (revision 1) is being revised due to: Client requested lab rerun sample #2 to confirm Method 8260C results. Sample reanalysis did not confirm the original Benzene result. Both sets of data have been reported.

Receipt

The samples were received on 7/16/2024 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.7°C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OUTSIDE SUMP (480-221673-3). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-719336. The following sample was affected: OUTSIDE SUMP (480-221673-3).

Method 8260C: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): OUTSIDE SUMP (480-221673-3).

Method 8260C: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-719336 was outside criteria for the following analyte(s): Tetrachloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-720382 recovered above the upper control limit for Vinyl chloride, Chloromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects or not detected above the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The associated sample is impacted: PRE-CARBON (480-221673-2).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-720382 was outside the method criteria for the following analyte(s): Naphthalene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-720382 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: Reanalysis of the following sample was performed outside of the analytical holding time due to client requested confirmation: PRE-CARBON (480-221673-2).

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-221673-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.8		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	6.1		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-221673-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		1.0	0.41	ug/L	1		8260C	Total/NA
Benzene - RA	92	H	1.0	0.41	ug/L	1		8260C	Total/NA
Chloromethane - RA	0.37	J H	1.0	0.35	ug/L	1		8260C	Total/NA
Ethylbenzene - RA	4.5	H	1.0	0.74	ug/L	1		8260C	Total/NA
m,p-Xylene - RA	5.4	H	2.0	0.66	ug/L	1		8260C	Total/NA
Naphthalene - RA	7.3	H	1.0	0.43	ug/L	1		8260C	Total/NA
o-Xylene - RA	3.5	H	1.0	0.76	ug/L	1		8260C	Total/NA
Toluene - RA	14	H	1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total - RA	8.9	H	2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-221673-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1300		20	8.2	ug/L	20		8260C	Total/NA
Ethylbenzene	81		20	15	ug/L	20		8260C	Total/NA
m,p-Xylene	45		40	13	ug/L	20		8260C	Total/NA
Naphthalene	170		20	8.6	ug/L	20		8260C	Total/NA
o-Xylene	24		20	15	ug/L	20		8260C	Total/NA
Toluene	190		20	10	ug/L	20		8260C	Total/NA
Xylenes, Total	69		40	13	ug/L	20		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-221673-1

Date Collected: 07/16/24 11:30

Matrix: Water

Date Received: 07/16/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/17/24 06:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/24 06:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/17/24 06:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/17/24 06:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/17/24 06:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/17/24 06:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/17/24 06:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/17/24 06:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/17/24 06:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/17/24 06:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/17/24 06:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/17/24 06:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/17/24 06:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/17/24 06:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/17/24 06:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/17/24 06:51	1
2-Hexanone	ND		5.0	1.2	ug/L			07/17/24 06:51	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/17/24 06:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/17/24 06:51	1
Acetone	ND		10	3.0	ug/L			07/17/24 06:51	1
Benzene	3.8		1.0	0.41	ug/L			07/17/24 06:51	1
Bromoform	ND		1.0	0.26	ug/L			07/17/24 06:51	1
Bromomethane	ND		1.0	0.69	ug/L			07/17/24 06:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/17/24 06:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/17/24 06:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/17/24 06:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/17/24 06:51	1
Chloroethane	ND		1.0	0.32	ug/L			07/17/24 06:51	1
Chloroform	6.1		1.0	0.34	ug/L			07/17/24 06:51	1
Chloromethane	ND		1.0	0.35	ug/L			07/17/24 06:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/17/24 06:51	1
Cyclohexane	ND		1.0	0.18	ug/L			07/17/24 06:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/17/24 06:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/17/24 06:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/17/24 06:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/17/24 06:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/17/24 06:51	1
Methyl acetate	ND		2.5	1.3	ug/L			07/17/24 06:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/17/24 06:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/17/24 06:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/17/24 06:51	1
m,p-Xylene	ND		2.0	0.66	ug/L			07/17/24 06:51	1
Naphthalene	ND		1.0	0.43	ug/L			07/17/24 06:51	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/17/24 06:51	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/17/24 06:51	1
o-Xylene	ND		1.0	0.76	ug/L			07/17/24 06:51	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/17/24 06:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/17/24 06:51	1
Toluene	ND		1.0	0.51	ug/L			07/17/24 06:51	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-221673-1

Date Collected: 07/16/24 11:30

Matrix: Water

Date Received: 07/16/24 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/17/24 06:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/17/24 06:51	1
Trichloroethene	ND		1.0	0.46	ug/L			07/17/24 06:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/17/24 06:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/17/24 06:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/17/24 06:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/17/24 06:51	1
Styrene	ND		1.0	0.73	ug/L			07/17/24 06:51	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/17/24 06:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120					07/17/24 06:51	1
4-Bromofluorobenzene (Surr)	86		73 - 120					07/17/24 06:51	1
Toluene-d8 (Surr)	93		80 - 120					07/17/24 06:51	1
Dibromofluoromethane (Surr)	89		75 - 123					07/17/24 06:51	1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-221673-2

Date Collected: 07/16/24 11:40

Matrix: Water

Date Received: 07/16/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/17/24 07:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/24 07:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/17/24 07:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/17/24 07:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/17/24 07:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/17/24 07:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/17/24 07:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/17/24 07:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/17/24 07:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/17/24 07:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/17/24 07:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/17/24 07:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/17/24 07:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/17/24 07:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/17/24 07:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/17/24 07:16	1
2-Hexanone	ND		5.0	1.2	ug/L			07/17/24 07:16	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/17/24 07:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/17/24 07:16	1
Acetone	ND		10	3.0	ug/L			07/17/24 07:16	1
Benzene	1.8		1.0	0.41	ug/L			07/17/24 07:16	1
Bromoform	ND		1.0	0.26	ug/L			07/17/24 07:16	1
Bromomethane	ND		1.0	0.69	ug/L			07/17/24 07:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/17/24 07:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/17/24 07:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/17/24 07:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/17/24 07:16	1
Chloroethane	ND		1.0	0.32	ug/L			07/17/24 07:16	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-221673-2

Date Collected: 07/16/24 11:40

Matrix: Water

Date Received: 07/16/24 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			07/17/24 07:16	1
Chloromethane	ND		1.0	0.35	ug/L			07/17/24 07:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/17/24 07:16	1
Cyclohexane	ND		1.0	0.18	ug/L			07/17/24 07:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/17/24 07:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/17/24 07:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/17/24 07:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/17/24 07:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/17/24 07:16	1
Methyl acetate	ND		2.5	1.3	ug/L			07/17/24 07:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/17/24 07:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/17/24 07:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/17/24 07:16	1
m,p-Xylene	ND		2.0	0.66	ug/L			07/17/24 07:16	1
Naphthalene	ND		1.0	0.43	ug/L			07/17/24 07:16	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/17/24 07:16	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/17/24 07:16	1
o-Xylene	ND		1.0	0.76	ug/L			07/17/24 07:16	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/17/24 07:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/17/24 07:16	1
Toluene	ND		1.0	0.51	ug/L			07/17/24 07:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/17/24 07:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/17/24 07:16	1
Trichloroethene	ND		1.0	0.46	ug/L			07/17/24 07:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/17/24 07:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/17/24 07:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/17/24 07:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/17/24 07:16	1
Styrene	ND		1.0	0.73	ug/L			07/17/24 07:16	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/17/24 07:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		07/17/24 07:16	1
4-Bromofluorobenzene (Surr)	88		73 - 120		07/17/24 07:16	1
Toluene-d8 (Surr)	96		80 - 120		07/17/24 07:16	1
Dibromofluoromethane (Surr)	89		75 - 123		07/17/24 07:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.0	0.82	ug/L			08/01/24 15:45	1
1,1,2,2-Tetrachloroethane	ND	H	1.0	0.21	ug/L			08/01/24 15:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	1.0	0.31	ug/L			08/01/24 15:45	1
1,1,2-Trichloroethane	ND	H	1.0	0.23	ug/L			08/01/24 15:45	1
1,1-Dichloroethane	ND	H	1.0	0.38	ug/L			08/01/24 15:45	1
1,1-Dichloroethene	ND	H	1.0	0.29	ug/L			08/01/24 15:45	1
1,2,4-Trichlorobenzene	ND	H	1.0	0.41	ug/L			08/01/24 15:45	1
1,2,4-Trimethylbenzene	ND	H	1.0	0.75	ug/L			08/01/24 15:45	1
1,2-Dibromo-3-Chloropropane	ND	H	1.0	0.39	ug/L			08/01/24 15:45	1
1,2-Dichlorobenzene	ND	H	1.0	0.79	ug/L			08/01/24 15:45	1
1,2-Dichloroethane	ND	H	1.0	0.21	ug/L			08/01/24 15:45	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-221673-2

Date Collected: 07/16/24 11:40

Matrix: Water

Date Received: 07/16/24 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND	H	1.0	0.72	ug/L			08/01/24 15:45	1
1,3,5-Trimethylbenzene	ND	H	1.0	0.77	ug/L			08/01/24 15:45	1
1,3-Dichlorobenzene	ND	H	1.0	0.78	ug/L			08/01/24 15:45	1
1,4-Dichlorobenzene	ND	H	1.0	0.84	ug/L			08/01/24 15:45	1
2-Butanone (MEK)	ND	H	10	1.3	ug/L			08/01/24 15:45	1
2-Hexanone	ND	H	5.0	1.2	ug/L			08/01/24 15:45	1
4-Isopropyltoluene	ND	H	1.0	0.31	ug/L			08/01/24 15:45	1
4-Methyl-2-pentanone (MIBK)	ND	H	5.0	2.1	ug/L			08/01/24 15:45	1
Acetone	ND	H	10	3.0	ug/L			08/01/24 15:45	1
Benzene	92	H	1.0	0.41	ug/L			08/01/24 15:45	1
Bromoform	ND	H	1.0	0.26	ug/L			08/01/24 15:45	1
Bromomethane	ND	H	1.0	0.69	ug/L			08/01/24 15:45	1
Carbon disulfide	ND	H	1.0	0.19	ug/L			08/01/24 15:45	1
Carbon tetrachloride	ND	H	1.0	0.27	ug/L			08/01/24 15:45	1
Chlorobenzene	ND	H	1.0	0.75	ug/L			08/01/24 15:45	1
Dibromochloromethane	ND	H	1.0	0.32	ug/L			08/01/24 15:45	1
Chloroethane	ND	H	1.0	0.32	ug/L			08/01/24 15:45	1
Chloroform	ND	H	1.0	0.34	ug/L			08/01/24 15:45	1
Chloromethane	0.37	J H	1.0	0.35	ug/L			08/01/24 15:45	1
cis-1,2-Dichloroethene	ND	H	1.0	0.81	ug/L			08/01/24 15:45	1
Cyclohexane	ND	H	1.0	0.18	ug/L			08/01/24 15:45	1
Bromodichloromethane	ND	H	1.0	0.39	ug/L			08/01/24 15:45	1
Dichlorodifluoromethane	ND	H **	1.0	0.68	ug/L			08/01/24 15:45	1
Ethylbenzene	4.5	H	1.0	0.74	ug/L			08/01/24 15:45	1
1,2-Dibromoethane	ND	H	1.0	0.73	ug/L			08/01/24 15:45	1
Isopropylbenzene	ND	H	1.0	0.79	ug/L			08/01/24 15:45	1
Methyl acetate	ND	H	2.5	1.3	ug/L			08/01/24 15:45	1
Methyl tert-butyl ether	ND	H	1.0	0.16	ug/L			08/01/24 15:45	1
Methylcyclohexane	ND	H	1.0	0.16	ug/L			08/01/24 15:45	1
Methylene Chloride	ND	H	1.0	0.44	ug/L			08/01/24 15:45	1
m,p-Xylene	5.4	H	2.0	0.66	ug/L			08/01/24 15:45	1
Naphthalene	7.3	H	1.0	0.43	ug/L			08/01/24 15:45	1
n-Butylbenzene	ND	H	1.0	0.64	ug/L			08/01/24 15:45	1
N-Propylbenzene	ND	H	1.0	0.69	ug/L			08/01/24 15:45	1
o-Xylene	3.5	H	1.0	0.76	ug/L			08/01/24 15:45	1
sec-Butylbenzene	ND	H	1.0	0.75	ug/L			08/01/24 15:45	1
Tetrachloroethene	ND	H	1.0	0.36	ug/L			08/01/24 15:45	1
Toluene	14	H	1.0	0.51	ug/L			08/01/24 15:45	1
trans-1,2-Dichloroethene	ND	H	1.0	0.90	ug/L			08/01/24 15:45	1
trans-1,3-Dichloropropene	ND	H	1.0	0.37	ug/L			08/01/24 15:45	1
Trichloroethene	ND	H	1.0	0.46	ug/L			08/01/24 15:45	1
Trichlorofluoromethane	ND	H	1.0	0.88	ug/L			08/01/24 15:45	1
Vinyl chloride	ND	H	1.0	0.90	ug/L			08/01/24 15:45	1
Xylenes, Total	8.9	H	2.0	0.66	ug/L			08/01/24 15:45	1
cis-1,3-Dichloropropene	ND	H	1.0	0.36	ug/L			08/01/24 15:45	1
Styrene	ND	H	1.0	0.73	ug/L			08/01/24 15:45	1
tert-Butylbenzene	ND	H	1.0	0.81	ug/L			08/01/24 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		08/01/24 15:45	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Client Sample ID: PRE-CARBON

Date Collected: 07/16/24 11:40

Date Received: 07/16/24 12:00

Lab Sample ID: 480-221673-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		73 - 120		08/01/24 15:45	1
Toluene-d8 (Surr)	107		80 - 120		08/01/24 15:45	1
Dibromofluoromethane (Surr)	109		75 - 123		08/01/24 15:45	1

Client Sample ID: OUTSIDE SUMP

Date Collected: 07/16/24 11:50

Date Received: 07/16/24 12:00

Lab Sample ID: 480-221673-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			07/23/24 14:41	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			07/23/24 14:41	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			07/23/24 14:41	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			07/23/24 14:41	20
1,1-Dichloroethane	ND		20	7.6	ug/L			07/23/24 14:41	20
1,1-Dichloroethene	ND		20	5.8	ug/L			07/23/24 14:41	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			07/23/24 14:41	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			07/23/24 14:41	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			07/23/24 14:41	20
1,2-Dichlorobenzene	ND		20	16	ug/L			07/23/24 14:41	20
1,2-Dichloroethane	ND		20	4.2	ug/L			07/23/24 14:41	20
1,2-Dichloropropane	ND		20	14	ug/L			07/23/24 14:41	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			07/23/24 14:41	20
1,3-Dichlorobenzene	ND		20	16	ug/L			07/23/24 14:41	20
1,4-Dichlorobenzene	ND		20	17	ug/L			07/23/24 14:41	20
2-Butanone (MEK)	ND	++	200	26	ug/L			07/23/24 14:41	20
2-Hexanone	ND		100	25	ug/L			07/23/24 14:41	20
4-Isopropyltoluene	ND		20	6.2	ug/L			07/23/24 14:41	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			07/23/24 14:41	20
Acetone	ND		200	60	ug/L			07/23/24 14:41	20
Benzene	1300		20	8.2	ug/L			07/23/24 14:41	20
Bromoform	ND		20	5.2	ug/L			07/23/24 14:41	20
Bromomethane	ND		20	14	ug/L			07/23/24 14:41	20
Carbon disulfide	ND		20	3.8	ug/L			07/23/24 14:41	20
Carbon tetrachloride	ND		20	5.4	ug/L			07/23/24 14:41	20
Chlorobenzene	ND		20	15	ug/L			07/23/24 14:41	20
Dibromochloromethane	ND		20	6.4	ug/L			07/23/24 14:41	20
Chloroethane	ND		20	6.4	ug/L			07/23/24 14:41	20
Chloroform	ND		20	6.8	ug/L			07/23/24 14:41	20
Chloromethane	ND		20	7.0	ug/L			07/23/24 14:41	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			07/23/24 14:41	20
Cyclohexane	ND		20	3.6	ug/L			07/23/24 14:41	20
Bromodichloromethane	ND		20	7.8	ug/L			07/23/24 14:41	20
Dichlorodifluoromethane	ND		20	14	ug/L			07/23/24 14:41	20
Ethylbenzene	81		20	15	ug/L			07/23/24 14:41	20
1,2-Dibromoethane	ND		20	15	ug/L			07/23/24 14:41	20
Isopropylbenzene	ND		20	16	ug/L			07/23/24 14:41	20
Methyl acetate	ND		50	26	ug/L			07/23/24 14:41	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			07/23/24 14:41	20

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-221673-3

Date Collected: 07/16/24 11:50

Matrix: Water

Date Received: 07/16/24 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		20	3.2	ug/L			07/23/24 14:41	20
Methylene Chloride	ND		20	8.8	ug/L			07/23/24 14:41	20
m,p-Xylene	45		40	13	ug/L			07/23/24 14:41	20
Naphthalene	170		20	8.6	ug/L			07/23/24 14:41	20
n-Butylbenzene	ND		20	13	ug/L			07/23/24 14:41	20
N-Propylbenzene	ND		20	14	ug/L			07/23/24 14:41	20
o-Xylene	24		20	15	ug/L			07/23/24 14:41	20
sec-Butylbenzene	ND		20	15	ug/L			07/23/24 14:41	20
Tetrachloroethene	ND		20	7.2	ug/L			07/23/24 14:41	20
Toluene	190		20	10	ug/L			07/23/24 14:41	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			07/23/24 14:41	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			07/23/24 14:41	20
Trichloroethene	ND		20	9.2	ug/L			07/23/24 14:41	20
Trichlorofluoromethane	ND		20	18	ug/L			07/23/24 14:41	20
Vinyl chloride	ND		20	18	ug/L			07/23/24 14:41	20
Xylenes, Total	69		40	13	ug/L			07/23/24 14:41	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			07/23/24 14:41	20
Styrene	ND		20	15	ug/L			07/23/24 14:41	20
tert-Butylbenzene	ND		20	16	ug/L			07/23/24 14:41	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		07/23/24 14:41	20
4-Bromofluorobenzene (Surr)	95		73 - 120		07/23/24 14:41	20
Toluene-d8 (Surr)	97		80 - 120		07/23/24 14:41	20
Dibromofluoromethane (Surr)	89		75 - 123		07/23/24 14:41	20

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-221673-1	POST CARBON 2	93	86	93	89
480-221673-2	PRE-CARBON	93	88	96	89
480-221673-2 - RA	PRE-CARBON	118	100	107	109
480-221673-3	OUTSIDE SUMP	96	95	97	89
LCS 480-718619/6	Lab Control Sample	94	95	97	92
LCS 480-719336/8	Lab Control Sample	96	87	93	89
LCS 480-720382/6	Lab Control Sample	108	98	106	104
LCSD 480-718619/24	Lab Control Sample Dup	95	90	94	92
LCSD 480-719336/9	Lab Control Sample Dup	94	87	91	88
MB 480-718619/8	Method Blank	92	91	97	90
MB 480-719336/11	Method Blank	94	87	94	87
MB 480-720382/8	Method Blank	109	99	108	107

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: MB 480-718619/8

Matrix: Water

Analysis Batch: 718619

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/17/24 01:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/24 01:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/17/24 01:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/17/24 01:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/17/24 01:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/17/24 01:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/17/24 01:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/17/24 01:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/17/24 01:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/17/24 01:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/17/24 01:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/17/24 01:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/17/24 01:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/17/24 01:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/17/24 01:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/17/24 01:32	1
2-Hexanone	ND		5.0	1.2	ug/L			07/17/24 01:32	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/17/24 01:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/17/24 01:32	1
Acetone	ND		10	3.0	ug/L			07/17/24 01:32	1
Benzene	ND		1.0	0.41	ug/L			07/17/24 01:32	1
Bromoform	ND		1.0	0.26	ug/L			07/17/24 01:32	1
Bromomethane	ND		1.0	0.69	ug/L			07/17/24 01:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/17/24 01:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/17/24 01:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/17/24 01:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/17/24 01:32	1
Chloroethane	ND		1.0	0.32	ug/L			07/17/24 01:32	1
Chloroform	ND		1.0	0.34	ug/L			07/17/24 01:32	1
Chloromethane	ND		1.0	0.35	ug/L			07/17/24 01:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/17/24 01:32	1
Cyclohexane	ND		1.0	0.18	ug/L			07/17/24 01:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/17/24 01:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/17/24 01:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/17/24 01:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/17/24 01:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/17/24 01:32	1
Methyl acetate	ND		2.5	1.3	ug/L			07/17/24 01:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/17/24 01:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/17/24 01:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/17/24 01:32	1
m,p-Xylene	ND		2.0	0.66	ug/L			07/17/24 01:32	1
Naphthalene	ND		1.0	0.43	ug/L			07/17/24 01:32	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/17/24 01:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/17/24 01:32	1
o-Xylene	ND		1.0	0.76	ug/L			07/17/24 01:32	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/17/24 01:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/17/24 01:32	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: MB 480-718619/8

Matrix: Water

Analysis Batch: 718619

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			07/17/24 01:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/17/24 01:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/17/24 01:32	1
Trichloroethene	ND		1.0	0.46	ug/L			07/17/24 01:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/17/24 01:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/17/24 01:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/17/24 01:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/17/24 01:32	1
Styrene	ND		1.0	0.73	ug/L			07/17/24 01:32	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/17/24 01:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		07/17/24 01:32	1
4-Bromofluorobenzene (Surr)	91		73 - 120		07/17/24 01:32	1
Toluene-d8 (Surr)	97		80 - 120		07/17/24 01:32	1
Dibromofluoromethane (Surr)	90		75 - 123		07/17/24 01:32	1

Lab Sample ID: LCS 480-718619/6

Matrix: Water

Analysis Batch: 718619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.0		ug/L		104	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.9		ug/L		91	61 - 148
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	24.6		ug/L		99	79 - 122
1,2,4-Trimethylbenzene	25.0	26.0		ug/L		104	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	30.0		ug/L		120	56 - 134
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	24.3		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	25.0	26.2		ug/L		105	77 - 121
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 120
2-Butanone (MEK)	125	137		ug/L		110	57 - 140
2-Hexanone	125	141		ug/L		112	65 - 127
4-Isopropyltoluene	25.0	26.2		ug/L		105	73 - 120
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		110	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromoform	25.0	26.7		ug/L		107	61 - 132
Bromomethane	25.0	21.8		ug/L		87	55 - 144
Carbon disulfide	25.0	23.7		ug/L		95	59 - 134
Carbon tetrachloride	25.0	25.9		ug/L		104	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: LCS 480-718619/6

Matrix: Water

Analysis Batch: 718619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Chloroethane	25.0	24.3		ug/L		97	69 - 136
Chloroform	25.0	22.2		ug/L		89	73 - 127
Chloromethane	25.0	23.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
Cyclohexane	25.0	26.3		ug/L		105	59 - 135
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Dichlorodifluoromethane	25.0	21.9		ug/L		88	59 - 135
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	24.8		ug/L		99	77 - 120
Isopropylbenzene	25.0	26.3		ug/L		105	77 - 122
Methyl acetate	50.0	51.5		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	23.2		ug/L		93	77 - 120
Methylcyclohexane	25.0	25.1		ug/L		100	68 - 134
Methylene Chloride	25.0	23.7		ug/L		95	75 - 124
m,p-Xylene	25.0	24.3		ug/L		97	76 - 122
Naphthalene	25.0	25.6		ug/L		102	66 - 125
n-Butylbenzene	25.0	26.9		ug/L		108	71 - 128
N-Propylbenzene	25.0	26.4		ug/L		106	75 - 127
o-Xylene	25.0	24.4		ug/L		98	76 - 122
sec-Butylbenzene	25.0	26.7		ug/L		107	74 - 127
Tetrachloroethene	25.0	23.8		ug/L		95	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	26.1		ug/L		104	80 - 120
Trichloroethene	25.0	23.6		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	24.0		ug/L		96	62 - 150
Vinyl chloride	25.0	24.6		ug/L		99	65 - 133
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Styrene	25.0	24.5		ug/L		98	80 - 120
tert-Butylbenzene	25.0	25.8		ug/L		103	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	92		75 - 123

Lab Sample ID: LCSD 480-718619/24

Matrix: Water

Analysis Batch: 718619

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	73 - 126	1	15
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120	5	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.2		ug/L		93	61 - 148	1	20
1,1,2-Trichloroethane	25.0	24.9		ug/L		99	76 - 122	1	15
1,1-Dichloroethane	25.0	24.9		ug/L		99	77 - 120	2	20

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: LCSD 480-718619/24

Matrix: Water

Analysis Batch: 718619

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127	1	16
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		92	79 - 122	7	20
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		98	76 - 121	6	20
1,2-Dibromo-3-Chloropropane	25.0	28.3		ug/L		113	56 - 134	6	15
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124	4	20
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120	2	20
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120	1	20
1,3,5-Trimethylbenzene	25.0	24.9		ug/L		100	77 - 121	5	20
1,3-Dichlorobenzene	25.0	23.3		ug/L		93	77 - 120	6	20
1,4-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 120	6	20
2-Butanone (MEK)	125	137		ug/L		109	57 - 140	1	20
2-Hexanone	125	138		ug/L		110	65 - 127	2	15
4-Isopropyltoluene	25.0	24.7		ug/L		99	73 - 120	6	20
4-Methyl-2-pentanone (MIBK)	125	135		ug/L		108	71 - 125	1	35
Acetone	125	134		ug/L		107	56 - 142	0	15
Benzene	25.0	23.7		ug/L		95	71 - 124	2	13
Bromoform	25.0	25.3		ug/L		101	61 - 132	5	15
Bromomethane	25.0	21.6		ug/L		87	55 - 144	1	15
Carbon disulfide	25.0	24.2		ug/L		97	59 - 134	2	15
Carbon tetrachloride	25.0	26.6		ug/L		106	72 - 134	3	15
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120	2	25
Dibromochloromethane	25.0	25.1		ug/L		100	75 - 125	4	15
Chloroethane	25.0	23.9		ug/L		95	69 - 136	2	15
Chloroform	25.0	22.6		ug/L		90	73 - 127	2	20
Chloromethane	25.0	24.2		ug/L		97	68 - 124	4	15
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124	1	15
Cyclohexane	25.0	26.9		ug/L		108	59 - 135	2	20
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122	1	15
Dichlorodifluoromethane	25.0	20.6		ug/L		82	59 - 135	6	20
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123	1	15
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120	1	15
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122	6	20
Methyl acetate	50.0	52.0		ug/L		104	74 - 133	1	20
Methyl tert-butyl ether	25.0	23.4		ug/L		94	77 - 120	1	37
Methylcyclohexane	25.0	25.3		ug/L		101	68 - 134	1	20
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124	3	15
m,p-Xylene	25.0	23.9		ug/L		96	76 - 122	1	16
Naphthalene	25.0	25.8		ug/L		103	66 - 125	1	20
n-Butylbenzene	25.0	25.1		ug/L		100	71 - 128	7	15
N-Propylbenzene	25.0	24.7		ug/L		99	75 - 127	7	15
o-Xylene	25.0	24.4		ug/L		98	76 - 122	0	16
sec-Butylbenzene	25.0	25.3		ug/L		101	74 - 127	5	15
Tetrachloroethene	25.0	23.4		ug/L		93	74 - 122	2	20
Toluene	25.0	23.4		ug/L		94	80 - 122	1	15
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127	2	20
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	80 - 120	7	15
Trichloroethene	25.0	23.9		ug/L		96	74 - 123	1	16
Trichlorofluoromethane	25.0	23.5		ug/L		94	62 - 150	2	20
Vinyl chloride	25.0	24.5		ug/L		98	65 - 133	1	15

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: LCSD 480-718619/24

Matrix: Water

Analysis Batch: 718619

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	74 - 124	3	15
Styrene	25.0	24.0		ug/L		96	80 - 120	2	20
tert-Butylbenzene	25.0	24.7		ug/L		99	75 - 123	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	92		75 - 123

Lab Sample ID: MB 480-719336/11

Matrix: Water

Analysis Batch: 719336

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/23/24 14:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/23/24 14:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/23/24 14:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/23/24 14:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/23/24 14:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/23/24 14:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/23/24 14:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			07/23/24 14:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/23/24 14:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/23/24 14:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/23/24 14:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/23/24 14:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			07/23/24 14:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/23/24 14:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/23/24 14:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/23/24 14:06	1
2-Hexanone	ND		5.0	1.2	ug/L			07/23/24 14:06	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			07/23/24 14:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/23/24 14:06	1
Acetone	ND		10	3.0	ug/L			07/23/24 14:06	1
Benzene	ND		1.0	0.41	ug/L			07/23/24 14:06	1
Bromoform	ND		1.0	0.26	ug/L			07/23/24 14:06	1
Bromomethane	ND		1.0	0.69	ug/L			07/23/24 14:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/23/24 14:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/23/24 14:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/23/24 14:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/23/24 14:06	1
Chloroethane	ND		1.0	0.32	ug/L			07/23/24 14:06	1
Chloroform	ND		1.0	0.34	ug/L			07/23/24 14:06	1
Chloromethane	ND		1.0	0.35	ug/L			07/23/24 14:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/23/24 14:06	1
Cyclohexane	ND		1.0	0.18	ug/L			07/23/24 14:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/23/24 14:06	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: MB 480-719336/11

Matrix: Water

Analysis Batch: 719336

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/23/24 14:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/23/24 14:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/23/24 14:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/23/24 14:06	1
Methyl acetate	ND		2.5	1.3	ug/L			07/23/24 14:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/23/24 14:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/23/24 14:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/23/24 14:06	1
m,p-Xylene	ND		2.0	0.66	ug/L			07/23/24 14:06	1
Naphthalene	ND		1.0	0.43	ug/L			07/23/24 14:06	1
n-Butylbenzene	ND		1.0	0.64	ug/L			07/23/24 14:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/24 14:06	1
o-Xylene	ND		1.0	0.76	ug/L			07/23/24 14:06	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			07/23/24 14:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/23/24 14:06	1
Toluene	ND		1.0	0.51	ug/L			07/23/24 14:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/23/24 14:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/23/24 14:06	1
Trichloroethene	ND		1.0	0.46	ug/L			07/23/24 14:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/23/24 14:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/23/24 14:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/23/24 14:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/23/24 14:06	1
Styrene	ND		1.0	0.73	ug/L			07/23/24 14:06	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			07/23/24 14:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		07/23/24 14:06	1
4-Bromofluorobenzene (Surr)	87		73 - 120		07/23/24 14:06	1
Toluene-d8 (Surr)	94		80 - 120		07/23/24 14:06	1
Dibromofluoromethane (Surr)	87		75 - 123		07/23/24 14:06	1

Lab Sample ID: LCS 480-719336/8

Matrix: Water

Analysis Batch: 719336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.5		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.2		ug/L		105	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.6		ug/L		95	61 - 148
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	25.9		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	28.8		ug/L		115	56 - 134
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	23.7		ug/L		95	75 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: LCS 480-719336/8

Matrix: Water

Analysis Batch: 719336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	25.0	25.4		ug/L		102	77 - 121
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 120
2-Butanone (MEK)	125	230	*+	ug/L		184	57 - 140
2-Hexanone	125	137		ug/L		110	65 - 127
4-Isopropyltoluene	25.0	25.5		ug/L		102	73 - 120
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	133		ug/L		107	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124
Bromoform	25.0	26.7		ug/L		107	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chloroethane	25.0	26.0		ug/L		104	69 - 136
Chloroform	25.0	21.8		ug/L		87	73 - 127
Chloromethane	25.0	26.8		ug/L		107	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
Cyclohexane	25.0	26.7		ug/L		107	59 - 135
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
Dichlorodifluoromethane	25.0	27.1		ug/L		108	59 - 135
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
Isopropylbenzene	25.0	26.1		ug/L		105	77 - 122
Methyl acetate	50.0	51.8		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	23.4		ug/L		94	77 - 120
Methylcyclohexane	25.0	25.8		ug/L		103	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
m,p-Xylene	25.0	23.8		ug/L		95	76 - 122
Naphthalene	25.0	25.4		ug/L		102	66 - 125
n-Butylbenzene	25.0	26.8		ug/L		107	71 - 128
N-Propylbenzene	25.0	26.6		ug/L		106	75 - 127
o-Xylene	25.0	24.3		ug/L		97	76 - 122
sec-Butylbenzene	25.0	25.9		ug/L		104	74 - 127
Tetrachloroethene	25.0	24.1		ug/L		96	74 - 122
Toluene	25.0	23.4		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	80 - 120
Trichloroethene	25.0	23.4		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	25.3		ug/L		101	62 - 150
Vinyl chloride	25.0	27.7		ug/L		111	65 - 133
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
tert-Butylbenzene	25.0	24.0		ug/L		96	75 - 123

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: LCS 480-719336/8

Matrix: Water

Analysis Batch: 719336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		77 - 120
4-Bromofluorobenzene (Surr)	87		73 - 120
Toluene-d8 (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	89		75 - 123

Lab Sample ID: LCSD 480-719336/9

Matrix: Water

Analysis Batch: 719336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126	4	15
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	76 - 120	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.7		ug/L		95	61 - 148	0	20
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122	2	15
1,1-Dichloroethane	25.0	26.4		ug/L		106	77 - 120	2	20
1,1-Dichloroethene	25.0	25.8		ug/L		103	66 - 127	5	16
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		96	79 - 122	3	20
1,2,4-Trimethylbenzene	25.0	25.3		ug/L		101	76 - 121	1	20
1,2-Dibromo-3-Chloropropane	25.0	30.6		ug/L		122	56 - 134	6	15
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124	1	20
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 120	3	20
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120	3	20
1,3,5-Trimethylbenzene	25.0	25.1		ug/L		100	77 - 121	1	20
1,3-Dichlorobenzene	25.0	23.9		ug/L		95	77 - 120	0	20
1,4-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 120	4	20
2-Butanone (MEK)	125	238	+	ug/L		190	57 - 140	3	20
2-Hexanone	125	145		ug/L		116	65 - 127	6	15
4-Isopropyltoluene	25.0	25.5		ug/L		102	73 - 120	0	20
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		110	71 - 125	5	35
Acetone	125	134		ug/L		107	56 - 142	1	15
Benzene	25.0	24.0		ug/L		96	71 - 124	3	13
Bromoform	25.0	27.8		ug/L		111	61 - 132	4	15
Bromomethane	25.0	24.4		ug/L		98	55 - 144	4	15
Carbon disulfide	25.0	25.0		ug/L		100	59 - 134	4	15
Carbon tetrachloride	25.0	27.2		ug/L		109	72 - 134	2	15
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120	2	25
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125	2	15
Chloroethane	25.0	26.0		ug/L		104	69 - 136	0	15
Chloroform	25.0	22.6		ug/L		90	73 - 127	3	20
Chloromethane	25.0	27.1		ug/L		109	68 - 124	1	15
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124	2	15
Cyclohexane	25.0	28.2		ug/L		113	59 - 135	5	20
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122	4	15
Dichlorodifluoromethane	25.0	27.5		ug/L		110	59 - 135	2	20
Ethylbenzene	25.0	25.1		ug/L		101	77 - 123	3	15
1,2-Dibromoethane	25.0	25.2		ug/L		101	77 - 120	4	15
Isopropylbenzene	25.0	25.2		ug/L		101	77 - 122	4	20
Methyl acetate	50.0	53.8		ug/L		108	74 - 133	4	20

Eurofins Buffalo

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: LCSD 480-719336/9

Matrix: Water

Analysis Batch: 719336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	24.6		ug/L		98	77 - 120	5	37
Methylcyclohexane	25.0	26.2		ug/L		105	68 - 134	1	20
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124	3	15
m,p-Xylene	25.0	24.7		ug/L		99	76 - 122	4	16
Naphthalene	25.0	24.7		ug/L		99	66 - 125	3	20
n-Butylbenzene	25.0	26.8		ug/L		107	71 - 128	0	15
N-Propylbenzene	25.0	25.8		ug/L		103	75 - 127	3	15
o-Xylene	25.0	25.0		ug/L		100	76 - 122	3	16
sec-Butylbenzene	25.0	25.7		ug/L		103	74 - 127	1	15
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122	2	20
Toluene	25.0	23.7		ug/L		95	80 - 122	1	15
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127	4	20
trans-1,3-Dichloropropene	25.0	27.4		ug/L		110	80 - 120	4	15
Trichloroethene	25.0	24.4		ug/L		98	74 - 123	5	16
Trichlorofluoromethane	25.0	25.9		ug/L		103	62 - 150	2	20
Vinyl chloride	25.0	28.5		ug/L		114	65 - 133	3	15
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124	5	15
Styrene	25.0	25.3		ug/L		101	80 - 120	4	20
tert-Butylbenzene	25.0	24.1		ug/L		97	75 - 123	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	87		73 - 120
Toluene-d8 (Surr)	91		80 - 120
Dibromofluoromethane (Surr)	88		75 - 123

Lab Sample ID: MB 480-720382/8

Matrix: Water

Analysis Batch: 720382

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/01/24 11:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/01/24 11:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/01/24 11:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/01/24 11:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/01/24 11:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/01/24 11:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/01/24 11:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			08/01/24 11:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/01/24 11:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/01/24 11:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/01/24 11:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/01/24 11:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			08/01/24 11:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/01/24 11:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/01/24 11:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/01/24 11:47	1
2-Hexanone	ND		5.0	1.2	ug/L			08/01/24 11:47	1

Eurofins Buffalo

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: MB 480-720382/8

Matrix: Water

Analysis Batch: 720382

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.0	0.31	ug/L			08/01/24 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/01/24 11:47	1
Acetone	ND		10	3.0	ug/L			08/01/24 11:47	1
Benzene	ND		1.0	0.41	ug/L			08/01/24 11:47	1
Bromoform	ND		1.0	0.26	ug/L			08/01/24 11:47	1
Bromomethane	ND		1.0	0.69	ug/L			08/01/24 11:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/01/24 11:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/01/24 11:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/01/24 11:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/01/24 11:47	1
Chloroethane	ND		1.0	0.32	ug/L			08/01/24 11:47	1
Chloroform	ND		1.0	0.34	ug/L			08/01/24 11:47	1
Chloromethane	ND		1.0	0.35	ug/L			08/01/24 11:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/01/24 11:47	1
Cyclohexane	ND		1.0	0.18	ug/L			08/01/24 11:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/01/24 11:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/01/24 11:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/01/24 11:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/01/24 11:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/01/24 11:47	1
Methyl acetate	ND		2.5	1.3	ug/L			08/01/24 11:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/01/24 11:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/01/24 11:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/01/24 11:47	1
m,p-Xylene	ND		2.0	0.66	ug/L			08/01/24 11:47	1
Naphthalene	ND		1.0	0.43	ug/L			08/01/24 11:47	1
n-Butylbenzene	ND		1.0	0.64	ug/L			08/01/24 11:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			08/01/24 11:47	1
o-Xylene	ND		1.0	0.76	ug/L			08/01/24 11:47	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			08/01/24 11:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/01/24 11:47	1
Toluene	ND		1.0	0.51	ug/L			08/01/24 11:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/01/24 11:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/01/24 11:47	1
Trichloroethene	ND		1.0	0.46	ug/L			08/01/24 11:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/01/24 11:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/01/24 11:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/01/24 11:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/01/24 11:47	1
Styrene	ND		1.0	0.73	ug/L			08/01/24 11:47	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			08/01/24 11:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120					08/01/24 11:47	1
4-Bromofluorobenzene (Surr)	99		73 - 120					08/01/24 11:47	1
Toluene-d8 (Surr)	108		80 - 120					08/01/24 11:47	1
Dibromofluoromethane (Surr)	107		75 - 123					08/01/24 11:47	1

Eurofins Buffalo

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: LCS 480-720382/6

Matrix: Water

Analysis Batch: 720382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.1		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.9		ug/L		111	61 - 148
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	25.6		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	28.5		ug/L		114	79 - 122
1,2,4-Trimethylbenzene	25.0	23.8		ug/L		95	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	30.1		ug/L		121	56 - 134
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	24.4		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	24.3		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	25.0	23.9		ug/L		95	77 - 121
1,3-Dichlorobenzene	25.0	23.6		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 120
2-Butanone (MEK)	125	135		ug/L		108	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Isopropyltoluene	25.0	25.0		ug/L		100	73 - 120
4-Methyl-2-pentanone (MIBK)	125	142		ug/L		113	71 - 125
Acetone	125	138		ug/L		110	56 - 142
Benzene	25.0	23.5		ug/L		94	71 - 124
Bromoform	25.0	30.2		ug/L		121	61 - 132
Bromomethane	25.0	32.0		ug/L		128	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	28.4		ug/L		114	72 - 134
Chlorobenzene	25.0	22.8		ug/L		91	80 - 120
Dibromochloromethane	25.0	27.5		ug/L		110	75 - 125
Chloroethane	25.0	30.7		ug/L		123	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	31.0		ug/L		124	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
Cyclohexane	25.0	26.1		ug/L		104	59 - 135
Bromodichloromethane	25.0	25.7		ug/L		103	80 - 122
Dichlorodifluoromethane	25.0	35.3	*+	ug/L		141	59 - 135
Ethylbenzene	25.0	23.4		ug/L		94	77 - 123
1,2-Dibromoethane	25.0	23.7		ug/L		95	77 - 120
Isopropylbenzene	25.0	24.0		ug/L		96	77 - 122
Methyl acetate	50.0	52.8		ug/L		106	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		93	77 - 120
Methylcyclohexane	25.0	25.2		ug/L		101	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
m,p-Xylene	25.0	22.6		ug/L		90	76 - 122
Naphthalene	25.0	29.3		ug/L		117	66 - 125
n-Butylbenzene	25.0	26.2		ug/L		105	71 - 128
N-Propylbenzene	25.0	24.2		ug/L		97	75 - 127
o-Xylene	25.0	23.3		ug/L		93	76 - 122
sec-Butylbenzene	25.0	25.0		ug/L		100	74 - 127
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122

Eurofins Buffalo

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

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

Lab Sample ID: LCS 480-720382/6

Matrix: Water

Analysis Batch: 720382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	80 - 120
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	31.6		ug/L		126	62 - 150
Vinyl chloride	25.0	31.0		ug/L		124	65 - 133
cis-1,3-Dichloropropene	25.0	23.8		ug/L		95	74 - 124
Styrene	25.0	22.4		ug/L		90	80 - 120
tert-Butylbenzene	25.0	24.3		ug/L		97	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

GC/MS VOA

Analysis Batch: 718619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221673-1	POST CARBON 2	Total/NA	Water	8260C	
480-221673-2	PRE-CARBON	Total/NA	Water	8260C	
MB 480-718619/8	Method Blank	Total/NA	Water	8260C	
LCS 480-718619/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-718619/24	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 719336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221673-3	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-719336/11	Method Blank	Total/NA	Water	8260C	
LCS 480-719336/8	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-719336/9	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 720382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221673-2 - RA	PRE-CARBON	Total/NA	Water	8260C	
MB 480-720382/8	Method Blank	Total/NA	Water	8260C	
LCS 480-720382/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-221673-1

Date Collected: 07/16/24 11:30

Matrix: Water

Date Received: 07/16/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718619	ERS	EET BUF	07/17/24 06:51

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-221673-2

Date Collected: 07/16/24 11:40

Matrix: Water

Date Received: 07/16/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C	RA	1	720382	ERS	EET BUF	08/01/24 15:45
Total/NA	Analysis	8260C		1	718619	ERS	EET BUF	07/17/24 07:16

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-221673-3

Date Collected: 07/16/24 11:50

Matrix: Water

Date Received: 07/16/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	719336	ERS	EET BUF	07/23/24 14:41

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

1
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15

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-221673-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-221673-1	POST CARBON 2	Water	07/16/24 11:30	07/16/24 12:00
480-221673-2	PRE-CARBON	Water	07/16/24 11:40	07/16/24 12:00
480-221673-3	OUTSIDE SUMP	Water	07/16/24 11:50	07/16/24 12:00

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

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

Standard 14 Days _____ /

1 day RUSH _____/

☒ Other 10-day TAT _____ /

Laboratory Information

Lab: Eurofins

Address: 10 Hazelwood Dr. Amherst, NY 14228

Phone: 716-691-2600

Lab PM: John Beninati

Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

☐ **NJ Data of Known Quality Protocol Reporting**

NYASP Category A

NYASP Category B

State Forms

☒ EDD Format compatible with most recent DEC format

☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Tonawanda/NY/ENiagaraSt/126_LabReport#.17811.EQEDD.zin

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler:	Date / Time:	Received By:
1 Jessica Paterson	1 7/16/24 1200	1
Relinquished By:	Date / Time:	Received By:
2	2	2
Relinquished By:	Date / Time:	Received By:
3	3	3
Custody Seal Number: ☐ Intact ☐ Preserved where applicable ☐ Not Intact ☐ On Ice Cooler Temp _____		

4.7 ICE



480-221673 Chain of Custody

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-221673-1

Login Number: 221673

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

Generated 9/11/2024 8:51:00 AM

JOB DESCRIPTION

NYSDEC Tonawanda E Niagara St.

JOB NUMBER

480-223106-1

Eurofins Buffalo

Job Notes

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

Authorization



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Qualifiers

GC/MS VOA

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

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Job ID: 480-223106-1

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Job Narrative 480-223106-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 9/5/2024 2:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-724148 recovered above the upper control limit for Cyclohexane and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: POST CARBON 2 (480-223106-1) and OUTSIDE SUMP (480-223106-3).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OUTSIDE SUMP (480-223106-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PRE-CARBON (480-223106-2) and OUTSIDE SUMP (480-223106-3). Elevated reporting limits (RLs) are provided.

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-223106-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.8		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	4.5		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-223106-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1700		40	16	ug/L	40		8260C	Total/NA
Ethylbenzene	31	J	40	30	ug/L	40		8260C	Total/NA
m,p-Xylene	63	J	80	26	ug/L	40		8260C	Total/NA
Naphthalene	130		40	17	ug/L	40		8260C	Total/NA
o-Xylene	49		40	30	ug/L	40		8260C	Total/NA
Toluene	160		40	20	ug/L	40		8260C	Total/NA
Xylenes, Total	110		80	26	ug/L	40		8260C	Total/NA

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-223106-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	20		20	15	ug/L	20		8260C	Total/NA
Ethylbenzene	450		20	15	ug/L	20		8260C	Total/NA
m,p-Xylene	190		40	13	ug/L	20		8260C	Total/NA
Naphthalene	700		20	8.6	ug/L	20		8260C	Total/NA
o-Xylene	110		20	15	ug/L	20		8260C	Total/NA
Toluene	680		20	10	ug/L	20		8260C	Total/NA
Xylenes, Total	300		40	13	ug/L	20		8260C	Total/NA
Benzene - DL	6900		200	82	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-223106-1

Date Collected: 09/05/24 13:15

Matrix: Water

Date Received: 09/05/24 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/06/24 17:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/06/24 17:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/06/24 17:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/06/24 17:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/06/24 17:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/06/24 17:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/06/24 17:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/06/24 17:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/06/24 17:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/06/24 17:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/06/24 17:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/06/24 17:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/06/24 17:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/06/24 17:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/06/24 17:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/06/24 17:33	1
2-Hexanone	ND		5.0	1.2	ug/L			09/06/24 17:33	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			09/06/24 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/06/24 17:33	1
Acetone	ND		10	3.0	ug/L			09/06/24 17:33	1
Benzene	2.8		1.0	0.41	ug/L			09/06/24 17:33	1
Bromoform	ND		1.0	0.26	ug/L			09/06/24 17:33	1
Bromomethane	ND		1.0	0.69	ug/L			09/06/24 17:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/06/24 17:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/06/24 17:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/06/24 17:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/06/24 17:33	1
Chloroethane	ND		1.0	0.32	ug/L			09/06/24 17:33	1
Chloroform	4.5		1.0	0.34	ug/L			09/06/24 17:33	1
Chloromethane	ND		1.0	0.35	ug/L			09/06/24 17:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/06/24 17:33	1
Cyclohexane	ND		1.0	0.18	ug/L			09/06/24 17:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/06/24 17:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/06/24 17:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/06/24 17:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/06/24 17:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/06/24 17:33	1
Methyl acetate	ND		2.5	1.3	ug/L			09/06/24 17:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/06/24 17:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/06/24 17:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/06/24 17:33	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/06/24 17:33	1
Naphthalene	ND		1.0	0.43	ug/L			09/06/24 17:33	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/06/24 17:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/06/24 17:33	1
o-Xylene	ND		1.0	0.76	ug/L			09/06/24 17:33	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/06/24 17:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/06/24 17:33	1
Toluene	ND		1.0	0.51	ug/L			09/06/24 17:33	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-223106-1

Date Collected: 09/05/24 13:15

Matrix: Water

Date Received: 09/05/24 14:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/06/24 17:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/06/24 17:33	1
Trichloroethene	ND		1.0	0.46	ug/L			09/06/24 17:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/06/24 17:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/06/24 17:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/06/24 17:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/06/24 17:33	1
Styrene	ND		1.0	0.73	ug/L			09/06/24 17:33	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/06/24 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		09/06/24 17:33	1
4-Bromofluorobenzene (Surr)	92		73 - 120		09/06/24 17:33	1
Toluene-d8 (Surr)	94		80 - 120		09/06/24 17:33	1
Dibromofluoromethane (Surr)	109		75 - 123		09/06/24 17:33	1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-223106-2

Date Collected: 09/05/24 13:20

Matrix: Water

Date Received: 09/05/24 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			09/09/24 13:01	40
1,1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			09/09/24 13:01	40
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			09/09/24 13:01	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			09/09/24 13:01	40
1,1-Dichloroethane	ND		40	15	ug/L			09/09/24 13:01	40
1,1-Dichloroethene	ND		40	12	ug/L			09/09/24 13:01	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			09/09/24 13:01	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			09/09/24 13:01	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			09/09/24 13:01	40
1,2-Dichlorobenzene	ND		40	32	ug/L			09/09/24 13:01	40
1,2-Dichloroethane	ND		40	8.4	ug/L			09/09/24 13:01	40
1,2-Dichloropropane	ND		40	29	ug/L			09/09/24 13:01	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			09/09/24 13:01	40
1,3-Dichlorobenzene	ND		40	31	ug/L			09/09/24 13:01	40
1,4-Dichlorobenzene	ND		40	34	ug/L			09/09/24 13:01	40
2-Butanone (MEK)	ND		400	53	ug/L			09/09/24 13:01	40
2-Hexanone	ND		200	50	ug/L			09/09/24 13:01	40
4-Isopropyltoluene	ND		40	12	ug/L			09/09/24 13:01	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			09/09/24 13:01	40
Acetone	ND		400	120	ug/L			09/09/24 13:01	40
Benzene	1700		40	16	ug/L			09/09/24 13:01	40
Bromoform	ND		40	10	ug/L			09/09/24 13:01	40
Bromomethane	ND		40	28	ug/L			09/09/24 13:01	40
Carbon disulfide	ND		40	7.6	ug/L			09/09/24 13:01	40
Carbon tetrachloride	ND		40	11	ug/L			09/09/24 13:01	40
Chlorobenzene	ND		40	30	ug/L			09/09/24 13:01	40
Dibromochloromethane	ND		40	13	ug/L			09/09/24 13:01	40
Chloroethane	ND		40	13	ug/L			09/09/24 13:01	40

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-223106-2

Date Collected: 09/05/24 13:20

Matrix: Water

Date Received: 09/05/24 14:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		40	14	ug/L			09/09/24 13:01	40
Chloromethane	ND		40	14	ug/L			09/09/24 13:01	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			09/09/24 13:01	40
Cyclohexane	ND		40	7.2	ug/L			09/09/24 13:01	40
Bromodichloromethane	ND		40	16	ug/L			09/09/24 13:01	40
Dichlorodifluoromethane	ND		40	27	ug/L			09/09/24 13:01	40
Ethylbenzene	31	J	40	30	ug/L			09/09/24 13:01	40
1,2-Dibromoethane	ND		40	29	ug/L			09/09/24 13:01	40
Isopropylbenzene	ND		40	32	ug/L			09/09/24 13:01	40
Methyl acetate	ND		100	52	ug/L			09/09/24 13:01	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			09/09/24 13:01	40
Methylcyclohexane	ND		40	6.4	ug/L			09/09/24 13:01	40
Methylene Chloride	ND		40	18	ug/L			09/09/24 13:01	40
m,p-Xylene	63	J	80	26	ug/L			09/09/24 13:01	40
Naphthalene	130		40	17	ug/L			09/09/24 13:01	40
n-Butylbenzene	ND		40	26	ug/L			09/09/24 13:01	40
N-Propylbenzene	ND		40	28	ug/L			09/09/24 13:01	40
o-Xylene	49		40	30	ug/L			09/09/24 13:01	40
sec-Butylbenzene	ND		40	30	ug/L			09/09/24 13:01	40
Tetrachloroethene	ND		40	14	ug/L			09/09/24 13:01	40
Toluene	160		40	20	ug/L			09/09/24 13:01	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			09/09/24 13:01	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			09/09/24 13:01	40
Trichloroethene	ND		40	18	ug/L			09/09/24 13:01	40
Trichlorofluoromethane	ND		40	35	ug/L			09/09/24 13:01	40
Vinyl chloride	ND		40	36	ug/L			09/09/24 13:01	40
Xylenes, Total	110		80	26	ug/L			09/09/24 13:01	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			09/09/24 13:01	40
Styrene	ND		40	29	ug/L			09/09/24 13:01	40
tert-Butylbenzene	ND		40	32	ug/L			09/09/24 13:01	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		09/09/24 13:01	40
4-Bromofluorobenzene (Surr)	104		73 - 120		09/09/24 13:01	40
Toluene-d8 (Surr)	112		80 - 120		09/09/24 13:01	40
Dibromofluoromethane (Surr)	113		75 - 123		09/09/24 13:01	40

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-223106-3

Date Collected: 09/05/24 13:25

Matrix: Water

Date Received: 09/05/24 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			09/06/24 18:56	20
1,1,1,2-Tetrachloroethane	ND		20	4.2	ug/L			09/06/24 18:56	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			09/06/24 18:56	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/06/24 18:56	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/06/24 18:56	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/06/24 18:56	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			09/06/24 18:56	20

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-223106-3

Date Collected: 09/05/24 13:25

Matrix: Water

Date Received: 09/05/24 14:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	20		20	15	ug/L			09/06/24 18:56	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/06/24 18:56	20
1,2-Dichlorobenzene	ND		20	16	ug/L			09/06/24 18:56	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/06/24 18:56	20
1,2-Dichloropropane	ND		20	14	ug/L			09/06/24 18:56	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			09/06/24 18:56	20
1,3-Dichlorobenzene	ND		20	16	ug/L			09/06/24 18:56	20
1,4-Dichlorobenzene	ND		20	17	ug/L			09/06/24 18:56	20
2-Butanone (MEK)	ND		200	26	ug/L			09/06/24 18:56	20
2-Hexanone	ND		100	25	ug/L			09/06/24 18:56	20
4-Isopropyltoluene	ND		20	6.2	ug/L			09/06/24 18:56	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/06/24 18:56	20
Acetone	ND		200	60	ug/L			09/06/24 18:56	20
Bromoform	ND		20	5.2	ug/L			09/06/24 18:56	20
Bromomethane	ND		20	14	ug/L			09/06/24 18:56	20
Carbon disulfide	ND		20	3.8	ug/L			09/06/24 18:56	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/06/24 18:56	20
Chlorobenzene	ND		20	15	ug/L			09/06/24 18:56	20
Dibromochloromethane	ND		20	6.4	ug/L			09/06/24 18:56	20
Chloroethane	ND		20	6.4	ug/L			09/06/24 18:56	20
Chloroform	ND		20	6.8	ug/L			09/06/24 18:56	20
Chloromethane	ND		20	7.0	ug/L			09/06/24 18:56	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			09/06/24 18:56	20
Cyclohexane	ND		20	3.6	ug/L			09/06/24 18:56	20
Bromodichloromethane	ND		20	7.8	ug/L			09/06/24 18:56	20
Dichlorodifluoromethane	ND		20	14	ug/L			09/06/24 18:56	20
Ethylbenzene	450		20	15	ug/L			09/06/24 18:56	20
1,2-Dibromoethane	ND		20	15	ug/L			09/06/24 18:56	20
Isopropylbenzene	ND		20	16	ug/L			09/06/24 18:56	20
Methyl acetate	ND		50	26	ug/L			09/06/24 18:56	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/06/24 18:56	20
Methylcyclohexane	ND		20	3.2	ug/L			09/06/24 18:56	20
Methylene Chloride	ND		20	8.8	ug/L			09/06/24 18:56	20
m,p-Xylene	190		40	13	ug/L			09/06/24 18:56	20
Naphthalene	700		20	8.6	ug/L			09/06/24 18:56	20
n-Butylbenzene	ND		20	13	ug/L			09/06/24 18:56	20
N-Propylbenzene	ND		20	14	ug/L			09/06/24 18:56	20
o-Xylene	110		20	15	ug/L			09/06/24 18:56	20
sec-Butylbenzene	ND		20	15	ug/L			09/06/24 18:56	20
Tetrachloroethene	ND		20	7.2	ug/L			09/06/24 18:56	20
Toluene	680		20	10	ug/L			09/06/24 18:56	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			09/06/24 18:56	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/06/24 18:56	20
Trichloroethene	ND		20	9.2	ug/L			09/06/24 18:56	20
Trichlorofluoromethane	ND		20	18	ug/L			09/06/24 18:56	20
Vinyl chloride	ND		20	18	ug/L			09/06/24 18:56	20
Xylenes, Total	300		40	13	ug/L			09/06/24 18:56	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/06/24 18:56	20
Styrene	ND		20	15	ug/L			09/06/24 18:56	20

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-223106-3

Date Collected: 09/05/24 13:25

Matrix: Water

Date Received: 09/05/24 14:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		20	16	ug/L			09/06/24 18:56	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120					09/06/24 18:56	20
4-Bromofluorobenzene (Surr)	90		73 - 120					09/06/24 18:56	20
Toluene-d8 (Surr)	94		80 - 120					09/06/24 18:56	20
Dibromofluoromethane (Surr)	103		75 - 123					09/06/24 18:56	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6900		200	82	ug/L			09/09/24 13:23	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120					09/09/24 13:23	200
4-Bromofluorobenzene (Surr)	103		73 - 120					09/09/24 13:23	200
Toluene-d8 (Surr)	111		80 - 120					09/09/24 13:23	200
Dibromofluoromethane (Surr)	112		75 - 123					09/09/24 13:23	200

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-223106-1	POST CARBON 2	117	92	94	109
480-223106-2	PRE-CARBON	111	104	112	113
480-223106-3	OUTSIDE SUMP	117	90	94	103
480-223106-3 - DL	OUTSIDE SUMP	111	103	111	112
LCS 480-724148/6	Lab Control Sample	113	88	95	108
LCS 480-724378/6	Lab Control Sample	105	102	113	105
MB 480-724148/9	Method Blank	116	91	94	106
MB 480-724378/8	Method Blank	109	104	112	112

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

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

Lab Sample ID: MB 480-724148/9

Matrix: Water

Analysis Batch: 724148

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/06/24 12:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/06/24 12:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/06/24 12:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/06/24 12:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/06/24 12:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/06/24 12:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/06/24 12:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/06/24 12:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/06/24 12:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/06/24 12:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/06/24 12:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/06/24 12:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/06/24 12:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/06/24 12:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/06/24 12:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/06/24 12:24	1
2-Hexanone	ND		5.0	1.2	ug/L			09/06/24 12:24	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			09/06/24 12:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/06/24 12:24	1
Acetone	ND		10	3.0	ug/L			09/06/24 12:24	1
Benzene	ND		1.0	0.41	ug/L			09/06/24 12:24	1
Bromoform	ND		1.0	0.26	ug/L			09/06/24 12:24	1
Bromomethane	ND		1.0	0.69	ug/L			09/06/24 12:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/06/24 12:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/06/24 12:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/06/24 12:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/06/24 12:24	1
Chloroethane	ND		1.0	0.32	ug/L			09/06/24 12:24	1
Chloroform	ND		1.0	0.34	ug/L			09/06/24 12:24	1
Chloromethane	ND		1.0	0.35	ug/L			09/06/24 12:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/06/24 12:24	1
Cyclohexane	ND		1.0	0.18	ug/L			09/06/24 12:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/06/24 12:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/06/24 12:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/06/24 12:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/06/24 12:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/06/24 12:24	1
Methyl acetate	ND		2.5	1.3	ug/L			09/06/24 12:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/06/24 12:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/06/24 12:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/06/24 12:24	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/06/24 12:24	1
Naphthalene	ND		1.0	0.43	ug/L			09/06/24 12:24	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/06/24 12:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/06/24 12:24	1
o-Xylene	ND		1.0	0.76	ug/L			09/06/24 12:24	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/06/24 12:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/06/24 12:24	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

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

Lab Sample ID: MB 480-724148/9

Matrix: Water

Analysis Batch: 724148

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			09/06/24 12:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/06/24 12:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/06/24 12:24	1
Trichloroethene	ND		1.0	0.46	ug/L			09/06/24 12:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/06/24 12:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/06/24 12:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/06/24 12:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/06/24 12:24	1
Styrene	ND		1.0	0.73	ug/L			09/06/24 12:24	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/06/24 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		09/06/24 12:24	1
4-Bromofluorobenzene (Surr)	91		73 - 120		09/06/24 12:24	1
Toluene-d8 (Surr)	94		80 - 120		09/06/24 12:24	1
Dibromofluoromethane (Surr)	106		75 - 123		09/06/24 12:24	1

Lab Sample ID: LCS 480-724148/6

Matrix: Water

Analysis Batch: 724148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.9		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.5		ug/L		106	61 - 148
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	28.4		ug/L		114	77 - 120
1,1-Dichloroethene	25.0	28.1		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	25.0	21.2		ug/L		85	79 - 122
1,2,4-Trimethylbenzene	25.0	24.5		ug/L		98	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	23.8		ug/L		95	56 - 134
1,2-Dichlorobenzene	25.0	22.8		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	27.2		ug/L		109	75 - 120
1,2-Dichloropropane	25.0	29.3		ug/L		117	76 - 120
1,3,5-Trimethylbenzene	25.0	24.2		ug/L		97	77 - 121
1,3-Dichlorobenzene	25.0	22.8		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	22.8		ug/L		91	80 - 120
2-Butanone (MEK)	125	158		ug/L		126	57 - 140
2-Hexanone	125	128		ug/L		103	65 - 127
4-Isopropyltoluene	25.0	25.0		ug/L		100	73 - 120
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Acetone	125	149		ug/L		119	56 - 142
Benzene	25.0	28.3		ug/L		113	71 - 124
Bromoform	25.0	21.9		ug/L		87	61 - 132
Bromomethane	25.0	23.3		ug/L		93	55 - 144
Carbon disulfide	25.0	27.8		ug/L		111	59 - 134
Carbon tetrachloride	25.0	27.8		ug/L		111	72 - 134
Chlorobenzene	25.0	22.9		ug/L		92	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

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

Lab Sample ID: LCS 480-724148/6

Matrix: Water

Analysis Batch: 724148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	23.3		ug/L		93	75 - 125
Chloroethane	25.0	25.9		ug/L		103	69 - 136
Chloroform	25.0	25.9		ug/L		104	73 - 127
Chloromethane	25.0	28.1		ug/L		112	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	31.9		ug/L		128	59 - 135
Bromodichloromethane	25.0	28.1		ug/L		112	80 - 122
Dichlorodifluoromethane	25.0	26.6		ug/L		107	59 - 135
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	23.5		ug/L		94	77 - 120
Isopropylbenzene	25.0	24.9		ug/L		100	77 - 122
Methyl acetate	50.0	57.4		ug/L		115	74 - 133
Methyl tert-butyl ether	25.0	25.4		ug/L		102	77 - 120
Methylcyclohexane	25.0	30.2		ug/L		121	68 - 134
Methylene Chloride	25.0	27.5		ug/L		110	75 - 124
m,p-Xylene	25.0	24.2		ug/L		97	76 - 122
Naphthalene	25.0	21.9		ug/L		88	66 - 125
n-Butylbenzene	25.0	25.1		ug/L		100	71 - 128
N-Propylbenzene	25.0	25.2		ug/L		101	75 - 127
o-Xylene	25.0	22.8		ug/L		91	76 - 122
sec-Butylbenzene	25.0	25.3		ug/L		101	74 - 127
Tetrachloroethene	25.0	23.6		ug/L		95	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	28.5		ug/L		114	73 - 127
trans-1,3-Dichloropropene	25.0	24.8		ug/L		99	80 - 120
Trichloroethene	25.0	28.3		ug/L		113	74 - 123
Trichlorofluoromethane	25.0	24.8		ug/L		99	62 - 150
Vinyl chloride	25.0	26.9		ug/L		108	65 - 133
cis-1,3-Dichloropropene	25.0	30.2		ug/L		121	74 - 124
Styrene	25.0	23.9		ug/L		95	80 - 120
tert-Butylbenzene	25.0	24.7		ug/L		99	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		77 - 120
4-Bromofluorobenzene (Surr)	88		73 - 120
Toluene-d8 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	108		75 - 123

Lab Sample ID: MB 480-724378/8

Matrix: Water

Analysis Batch: 724378

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/09/24 12:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/09/24 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/09/24 12:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/09/24 12:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/09/24 12:32	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

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

Lab Sample ID: MB 480-724378/8

Matrix: Water

Analysis Batch: 724378

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/09/24 12:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/09/24 12:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/09/24 12:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/09/24 12:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/09/24 12:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/09/24 12:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/09/24 12:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/09/24 12:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/09/24 12:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/09/24 12:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/09/24 12:32	1
2-Hexanone	ND		5.0	1.2	ug/L			09/09/24 12:32	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			09/09/24 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/09/24 12:32	1
Acetone	ND		10	3.0	ug/L			09/09/24 12:32	1
Benzene	ND		1.0	0.41	ug/L			09/09/24 12:32	1
Bromoform	ND		1.0	0.26	ug/L			09/09/24 12:32	1
Bromomethane	ND		1.0	0.69	ug/L			09/09/24 12:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/09/24 12:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/09/24 12:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/09/24 12:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/09/24 12:32	1
Chloroethane	ND		1.0	0.32	ug/L			09/09/24 12:32	1
Chloroform	ND		1.0	0.34	ug/L			09/09/24 12:32	1
Chloromethane	ND		1.0	0.35	ug/L			09/09/24 12:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/09/24 12:32	1
Cyclohexane	ND		1.0	0.18	ug/L			09/09/24 12:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/09/24 12:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/09/24 12:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/09/24 12:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/09/24 12:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/09/24 12:32	1
Methyl acetate	ND		2.5	1.3	ug/L			09/09/24 12:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/09/24 12:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/09/24 12:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/09/24 12:32	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/09/24 12:32	1
Naphthalene	ND		1.0	0.43	ug/L			09/09/24 12:32	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/09/24 12:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/09/24 12:32	1
o-Xylene	ND		1.0	0.76	ug/L			09/09/24 12:32	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/09/24 12:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/09/24 12:32	1
Toluene	ND		1.0	0.51	ug/L			09/09/24 12:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/09/24 12:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/09/24 12:32	1
Trichloroethene	ND		1.0	0.46	ug/L			09/09/24 12:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/09/24 12:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/09/24 12:32	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

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

Lab Sample ID: MB 480-724378/8

Matrix: Water

Analysis Batch: 724378

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			09/09/24 12:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/09/24 12:32	1
Styrene	ND		1.0	0.73	ug/L			09/09/24 12:32	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/09/24 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		09/09/24 12:32	1
4-Bromofluorobenzene (Surr)	104		73 - 120		09/09/24 12:32	1
Toluene-d8 (Surr)	112		80 - 120		09/09/24 12:32	1
Dibromofluoromethane (Surr)	112		75 - 123		09/09/24 12:32	1

Lab Sample ID: LCS 480-724378/6

Matrix: Water

Analysis Batch: 724378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.1		ug/L		104	61 - 148
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	25.2		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	28.3		ug/L		113	79 - 122
1,2,4-Trimethylbenzene	25.0	23.9		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	28.9		ug/L		116	56 - 134
1,2-Dichlorobenzene	25.0	24.6		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	22.7		ug/L		91	75 - 120
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	25.0	23.5		ug/L		94	77 - 121
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	140		ug/L		112	65 - 127
4-Isopropyltoluene	25.0	24.6		ug/L		98	73 - 120
4-Methyl-2-pentanone (MIBK)	125	142		ug/L		114	71 - 125
Acetone	125	138		ug/L		110	56 - 142
Benzene	25.0	23.5		ug/L		94	71 - 124
Bromoform	25.0	31.0		ug/L		124	61 - 132
Bromomethane	25.0	25.4		ug/L		102	55 - 144
Carbon disulfide	25.0	24.8		ug/L		99	59 - 134
Carbon tetrachloride	25.0	28.4		ug/L		114	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Dibromochloromethane	25.0	28.5		ug/L		114	75 - 125
Chloroethane	25.0	24.4		ug/L		98	69 - 136
Chloroform	25.0	22.3		ug/L		89	73 - 127
Chloromethane	25.0	24.8		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	23.0		ug/L		92	74 - 124
Cyclohexane	25.0	26.4		ug/L		106	59 - 135

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

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

Lab Sample ID: LCS 480-724378/6

Matrix: Water

Analysis Batch: 724378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	25.0	23.9		ug/L		95	80 - 122
Dichlorodifluoromethane	25.0	25.5		ug/L		102	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	23.9		ug/L		96	77 - 120
Isopropylbenzene	25.0	21.4		ug/L		86	77 - 122
Methyl acetate	50.0	51.5		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	21.9		ug/L		87	77 - 120
Methylcyclohexane	25.0	25.4		ug/L		102	68 - 134
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
m,p-Xylene	25.0	23.9		ug/L		95	76 - 122
Naphthalene	25.0	28.9		ug/L		115	66 - 125
n-Butylbenzene	25.0	25.6		ug/L		103	71 - 128
N-Propylbenzene	25.0	23.1		ug/L		92	75 - 127
o-Xylene	25.0	23.8		ug/L		95	76 - 122
sec-Butylbenzene	25.0	24.9		ug/L		100	74 - 127
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	23.1		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	27.5		ug/L		110	62 - 150
Vinyl chloride	25.0	25.2		ug/L		101	65 - 133
cis-1,3-Dichloropropene	25.0	23.6		ug/L		94	74 - 124
Styrene	25.0	23.4		ug/L		94	80 - 120
tert-Butylbenzene	25.0	24.2		ug/L		97	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	113		80 - 120
Dibromofluoromethane (Surr)	105		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

GC/MS VOA

Analysis Batch: 724148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223106-1	POST CARBON 2	Total/NA	Water	8260C	
480-223106-3	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-724148/9	Method Blank	Total/NA	Water	8260C	
LCS 480-724148/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 724378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223106-2	PRE-CARBON	Total/NA	Water	8260C	
480-223106-3 - DL	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-724378/8	Method Blank	Total/NA	Water	8260C	
LCS 480-724378/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-223106-1

Date Collected: 09/05/24 13:15

Matrix: Water

Date Received: 09/05/24 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	724148	ZN	EET BUF	09/06/24 17:33

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-223106-2

Date Collected: 09/05/24 13:20

Matrix: Water

Date Received: 09/05/24 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	724378	AXK	EET BUF	09/09/24 13:01

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-223106-3

Date Collected: 09/05/24 13:25

Matrix: Water

Date Received: 09/05/24 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	724148	ZN	EET BUF	09/06/24 18:56
Total/NA	Analysis	8260C	DL	200	724378	AXK	EET BUF	09/09/24 13:23

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St.

Job ID: 480-223106-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223106-1	POST CARBON 2	Water	09/05/24 13:15	09/05/24 14:15
480-223106-2	PRE-CARBON	Water	09/05/24 13:20	09/05/24 14:15
480-223106-3	OUTSIDE SUMP	Water	09/05/24 13:25	09/05/24 14:15

1

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15



480-223106 Chain of Custody

480-223106 Chain of Custody

Turnaround Time
(Business Days)

Lab PM Approval / Date

Laboratory Information

☒ Standard 14 days
☐ **1 day RUSH**
☐ Other _____ days

Lab: Eurofins

Address: 10 Hazelwood Dr. Amherst, NY 14228

Phone: 716-691-2600

Lab PM: John Beninati

Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☒ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format NYSDEC Equis
- ☐ Other _____

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC Tonawanda ENiagaraSt126_LabReport#.17811.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 J. Paterson - GES	1 9/5/24 1415	1	
Relinquished By:	Date / Time:	Received By:	
2	2	2	
Relinquished By:	Date / Time:	Received By:	
3	3	3 9/5/24 1415	
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice	Cooler Temp
			7.0 3.6 #1

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-223106-1

Login Number: 223106

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

Generated 10/16/2024 8:24:37 AM

JOB DESCRIPTION

NYSDEC Tonawanda E Niagara St

JOB NUMBER

480-224241-1

Eurofins Buffalo

Job Notes

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

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

Authorization



Generated
10/16/2024 8:24:37 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Qualifiers

GC/MS VOA

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

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Job ID: 480-224241-1

Eurofins Buffalo

Job Narrative 480-224241-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 10/10/2024 10:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PRE-CARBON (480-224241-2) and OUTSIDE SUMP (480-224241-3). Elevated reporting limits (RLs) are provided.

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-224241-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	2.4		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-224241-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1200		40	16	ug/L	40		8260C	Total/NA
m,p-Xylene	55	J	80	26	ug/L	40		8260C	Total/NA
Naphthalene	59		40	17	ug/L	40		8260C	Total/NA
o-Xylene	40		40	30	ug/L	40		8260C	Total/NA
Toluene	69		40	20	ug/L	40		8260C	Total/NA
Xylenes, Total	95		80	26	ug/L	40		8260C	Total/NA

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-224241-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4600		200	82	ug/L	200		8260C	Total/NA
Ethylbenzene	240		200	150	ug/L	200		8260C	Total/NA
m,p-Xylene	130	J	400	130	ug/L	200		8260C	Total/NA
Naphthalene	890		200	86	ug/L	200		8260C	Total/NA
Toluene	350		200	100	ug/L	200		8260C	Total/NA
Xylenes, Total	130	J	400	130	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-224241-1

Date Collected: 10/10/24 09:40

Matrix: Water

Date Received: 10/10/24 10:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/24 02:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/12/24 02:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/12/24 02:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/12/24 02:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/12/24 02:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/12/24 02:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/24 02:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/12/24 02:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/12/24 02:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/24 02:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/12/24 02:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/12/24 02:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/12/24 02:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/24 02:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/24 02:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/24 02:22	1
2-Hexanone	ND		5.0	1.2	ug/L			10/12/24 02:22	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/12/24 02:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/12/24 02:22	1
Acetone	ND		10	3.0	ug/L			10/12/24 02:22	1
Benzene	1.6		1.0	0.41	ug/L			10/12/24 02:22	1
Bromoform	ND		1.0	0.26	ug/L			10/12/24 02:22	1
Bromomethane	ND		1.0	0.69	ug/L			10/12/24 02:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/12/24 02:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/12/24 02:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/12/24 02:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/12/24 02:22	1
Chloroethane	ND		1.0	0.32	ug/L			10/12/24 02:22	1
Chloroform	2.4		1.0	0.34	ug/L			10/12/24 02:22	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/24 02:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/12/24 02:22	1
Cyclohexane	ND		1.0	0.18	ug/L			10/12/24 02:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/12/24 02:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/12/24 02:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/12/24 02:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/12/24 02:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/12/24 02:22	1
Methyl acetate	ND		2.5	1.3	ug/L			10/12/24 02:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/24 02:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/12/24 02:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/12/24 02:22	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/12/24 02:22	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/24 02:22	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/12/24 02:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/12/24 02:22	1
o-Xylene	ND		1.0	0.76	ug/L			10/12/24 02:22	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/12/24 02:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/12/24 02:22	1
Toluene	ND		1.0	0.51	ug/L			10/12/24 02:22	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Client Sample ID: POST CARBON 2

Lab Sample ID: 480-224241-1

Date Collected: 10/10/24 09:40

Matrix: Water

Date Received: 10/10/24 10:22

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/12/24 02:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/12/24 02:22	1
Trichloroethene	ND		1.0	0.46	ug/L			10/12/24 02:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/12/24 02:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/24 02:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/12/24 02:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/12/24 02:22	1
Styrene	ND		1.0	0.73	ug/L			10/12/24 02:22	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/12/24 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		77 - 120		10/12/24 02:22	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/12/24 02:22	1
Toluene-d8 (Surr)	87		80 - 120		10/12/24 02:22	1
Dibromofluoromethane (Surr)	78		75 - 123		10/12/24 02:22	1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-224241-2

Date Collected: 10/10/24 09:45

Matrix: Water

Date Received: 10/10/24 10:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			10/12/24 02:44	40
1,1,1,2-Tetrachloroethane	ND		40	8.4	ug/L			10/12/24 02:44	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			10/12/24 02:44	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/12/24 02:44	40
1,1-Dichloroethane	ND		40	15	ug/L			10/12/24 02:44	40
1,1-Dichloroethene	ND		40	12	ug/L			10/12/24 02:44	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			10/12/24 02:44	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			10/12/24 02:44	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			10/12/24 02:44	40
1,2-Dichlorobenzene	ND		40	32	ug/L			10/12/24 02:44	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/12/24 02:44	40
1,2-Dichloropropane	ND		40	29	ug/L			10/12/24 02:44	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			10/12/24 02:44	40
1,3-Dichlorobenzene	ND		40	31	ug/L			10/12/24 02:44	40
1,4-Dichlorobenzene	ND		40	34	ug/L			10/12/24 02:44	40
2-Butanone (MEK)	ND		400	53	ug/L			10/12/24 02:44	40
2-Hexanone	ND		200	50	ug/L			10/12/24 02:44	40
4-Isopropyltoluene	ND		40	12	ug/L			10/12/24 02:44	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/12/24 02:44	40
Acetone	ND		400	120	ug/L			10/12/24 02:44	40
Benzene	1200		40	16	ug/L			10/12/24 02:44	40
Bromoform	ND		40	10	ug/L			10/12/24 02:44	40
Bromomethane	ND		40	28	ug/L			10/12/24 02:44	40
Carbon disulfide	ND		40	7.6	ug/L			10/12/24 02:44	40
Carbon tetrachloride	ND		40	11	ug/L			10/12/24 02:44	40
Chlorobenzene	ND		40	30	ug/L			10/12/24 02:44	40
Dibromochloromethane	ND		40	13	ug/L			10/12/24 02:44	40
Chloroethane	ND		40	13	ug/L			10/12/24 02:44	40

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Client Sample ID: PRE-CARBON

Lab Sample ID: 480-224241-2

Date Collected: 10/10/24 09:45

Matrix: Water

Date Received: 10/10/24 10:22

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		40	14	ug/L			10/12/24 02:44	40
Chloromethane	ND		40	14	ug/L			10/12/24 02:44	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			10/12/24 02:44	40
Cyclohexane	ND		40	7.2	ug/L			10/12/24 02:44	40
Bromodichloromethane	ND		40	16	ug/L			10/12/24 02:44	40
Dichlorodifluoromethane	ND		40	27	ug/L			10/12/24 02:44	40
Ethylbenzene	ND		40	30	ug/L			10/12/24 02:44	40
1,2-Dibromoethane	ND		40	29	ug/L			10/12/24 02:44	40
Isopropylbenzene	ND		40	32	ug/L			10/12/24 02:44	40
Methyl acetate	ND		100	52	ug/L			10/12/24 02:44	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			10/12/24 02:44	40
Methylcyclohexane	ND		40	6.4	ug/L			10/12/24 02:44	40
Methylene Chloride	ND		40	18	ug/L			10/12/24 02:44	40
m,p-Xylene	55	J	80	26	ug/L			10/12/24 02:44	40
Naphthalene	59		40	17	ug/L			10/12/24 02:44	40
n-Butylbenzene	ND		40	26	ug/L			10/12/24 02:44	40
N-Propylbenzene	ND		40	28	ug/L			10/12/24 02:44	40
o-Xylene	40		40	30	ug/L			10/12/24 02:44	40
sec-Butylbenzene	ND		40	30	ug/L			10/12/24 02:44	40
Tetrachloroethene	ND		40	14	ug/L			10/12/24 02:44	40
Toluene	69		40	20	ug/L			10/12/24 02:44	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/12/24 02:44	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/12/24 02:44	40
Trichloroethene	ND		40	18	ug/L			10/12/24 02:44	40
Trichlorofluoromethane	ND		40	35	ug/L			10/12/24 02:44	40
Vinyl chloride	ND		40	36	ug/L			10/12/24 02:44	40
Xylenes, Total	95		80	26	ug/L			10/12/24 02:44	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/12/24 02:44	40
Styrene	ND		40	29	ug/L			10/12/24 02:44	40
tert-Butylbenzene	ND		40	32	ug/L			10/12/24 02:44	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		10/12/24 02:44	40
4-Bromofluorobenzene (Surr)	103		73 - 120		10/12/24 02:44	40
Toluene-d8 (Surr)	87		80 - 120		10/12/24 02:44	40
Dibromofluoromethane (Surr)	88		75 - 123		10/12/24 02:44	40

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-224241-3

Date Collected: 10/10/24 09:50

Matrix: Water

Date Received: 10/10/24 10:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			10/12/24 03:07	200
1,1,1,2-Tetrachloroethane	ND		200	42	ug/L			10/12/24 03:07	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	200	62	ug/L			10/12/24 03:07	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/12/24 03:07	200
1,1-Dichloroethane	ND		200	76	ug/L			10/12/24 03:07	200
1,1-Dichloroethene	ND	F1	200	58	ug/L			10/12/24 03:07	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			10/12/24 03:07	200

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-224241-3

Date Collected: 10/10/24 09:50

Matrix: Water

Date Received: 10/10/24 10:22

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		200	150	ug/L			10/12/24 03:07	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/12/24 03:07	200
1,2-Dichlorobenzene	ND		200	160	ug/L			10/12/24 03:07	200
1,2-Dichloroethane	ND		200	42	ug/L			10/12/24 03:07	200
1,2-Dichloropropane	ND		200	140	ug/L			10/12/24 03:07	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			10/12/24 03:07	200
1,3-Dichlorobenzene	ND		200	160	ug/L			10/12/24 03:07	200
1,4-Dichlorobenzene	ND		200	170	ug/L			10/12/24 03:07	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/12/24 03:07	200
2-Hexanone	ND		1000	250	ug/L			10/12/24 03:07	200
4-Isopropyltoluene	ND		200	62	ug/L			10/12/24 03:07	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/12/24 03:07	200
Acetone	ND		2000	600	ug/L			10/12/24 03:07	200
Benzene	4600		200	82	ug/L			10/12/24 03:07	200
Bromoform	ND		200	52	ug/L			10/12/24 03:07	200
Bromomethane	ND		200	140	ug/L			10/12/24 03:07	200
Carbon disulfide	ND		200	38	ug/L			10/12/24 03:07	200
Carbon tetrachloride	ND	F1	200	54	ug/L			10/12/24 03:07	200
Chlorobenzene	ND		200	150	ug/L			10/12/24 03:07	200
Dibromochloromethane	ND		200	64	ug/L			10/12/24 03:07	200
Chloroethane	ND	F1	200	64	ug/L			10/12/24 03:07	200
Chloroform	ND		200	68	ug/L			10/12/24 03:07	200
Chloromethane	ND	F1	200	70	ug/L			10/12/24 03:07	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			10/12/24 03:07	200
Cyclohexane	ND		200	36	ug/L			10/12/24 03:07	200
Bromodichloromethane	ND		200	78	ug/L			10/12/24 03:07	200
Dichlorodifluoromethane	ND	F1	200	140	ug/L			10/12/24 03:07	200
Ethylbenzene	240		200	150	ug/L			10/12/24 03:07	200
1,2-Dibromoethane	ND		200	150	ug/L			10/12/24 03:07	200
Isopropylbenzene	ND		200	160	ug/L			10/12/24 03:07	200
Methyl acetate	ND		500	260	ug/L			10/12/24 03:07	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/12/24 03:07	200
Methylcyclohexane	ND	F1	200	32	ug/L			10/12/24 03:07	200
Methylene Chloride	ND		200	88	ug/L			10/12/24 03:07	200
m,p-Xylene	130 J		400	130	ug/L			10/12/24 03:07	200
Naphthalene	890		200	86	ug/L			10/12/24 03:07	200
n-Butylbenzene	ND		200	130	ug/L			10/12/24 03:07	200
N-Propylbenzene	ND		200	140	ug/L			10/12/24 03:07	200
o-Xylene	ND		200	150	ug/L			10/12/24 03:07	200
sec-Butylbenzene	ND		200	150	ug/L			10/12/24 03:07	200
Tetrachloroethene	ND		200	72	ug/L			10/12/24 03:07	200
Toluene	350		200	100	ug/L			10/12/24 03:07	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/12/24 03:07	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/12/24 03:07	200
Trichloroethene	ND		200	92	ug/L			10/12/24 03:07	200
Trichlorofluoromethane	ND	F1	200	180	ug/L			10/12/24 03:07	200
Vinyl chloride	ND	F1	200	180	ug/L			10/12/24 03:07	200
Xylenes, Total	130 J		400	130	ug/L			10/12/24 03:07	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/12/24 03:07	200

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Client Sample ID: OUTSIDE SUMP

Lab Sample ID: 480-224241-3

Date Collected: 10/10/24 09:50

Matrix: Water

Date Received: 10/10/24 10:22

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		200	150	ug/L			10/12/24 03:07	200
tert-Butylbenzene	ND		200	160	ug/L			10/12/24 03:07	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		77 - 120					10/12/24 03:07	200
4-Bromofluorobenzene (Surr)	106		73 - 120					10/12/24 03:07	200
Toluene-d8 (Surr)	87		80 - 120					10/12/24 03:07	200
Dibromofluoromethane (Surr)	87		75 - 123					10/12/24 03:07	200

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-224241-1	POST CARBON 2	79	101	87	78
480-224241-2	PRE-CARBON	87	103	87	88
480-224241-3	OUTSIDE SUMP	82	106	87	87
LCS 480-727913/6	Lab Control Sample	84	102	87	85
MB 480-727913/8	Method Blank	84	107	87	87

Surrogate Legend

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

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

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

Lab Sample ID: MB 480-727913/8

Matrix: Water

Analysis Batch: 727913

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/24 02:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/12/24 02:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/12/24 02:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/12/24 02:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/12/24 02:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/12/24 02:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/24 02:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/12/24 02:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/12/24 02:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/24 02:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/12/24 02:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/12/24 02:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/12/24 02:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/24 02:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/24 02:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/24 02:00	1
2-Hexanone	ND		5.0	1.2	ug/L			10/12/24 02:00	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/12/24 02:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/12/24 02:00	1
Acetone	ND		10	3.0	ug/L			10/12/24 02:00	1
Benzene	ND		1.0	0.41	ug/L			10/12/24 02:00	1
Bromoform	ND		1.0	0.26	ug/L			10/12/24 02:00	1
Bromomethane	ND		1.0	0.69	ug/L			10/12/24 02:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/12/24 02:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/12/24 02:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/12/24 02:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/12/24 02:00	1
Chloroethane	ND		1.0	0.32	ug/L			10/12/24 02:00	1
Chloroform	ND		1.0	0.34	ug/L			10/12/24 02:00	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/24 02:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/12/24 02:00	1
Cyclohexane	ND		1.0	0.18	ug/L			10/12/24 02:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/12/24 02:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/12/24 02:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/12/24 02:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/12/24 02:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/12/24 02:00	1
Methyl acetate	ND		2.5	1.3	ug/L			10/12/24 02:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/24 02:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/12/24 02:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/12/24 02:00	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/12/24 02:00	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/24 02:00	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/12/24 02:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/12/24 02:00	1
o-Xylene	ND		1.0	0.76	ug/L			10/12/24 02:00	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/12/24 02:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/12/24 02:00	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

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

Lab Sample ID: MB 480-727913/8

Matrix: Water

Analysis Batch: 727913

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			10/12/24 02:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/12/24 02:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/12/24 02:00	1
Trichloroethene	ND		1.0	0.46	ug/L			10/12/24 02:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/12/24 02:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/24 02:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/12/24 02:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/12/24 02:00	1
Styrene	ND		1.0	0.73	ug/L			10/12/24 02:00	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/12/24 02:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		77 - 120		10/12/24 02:00	1
4-Bromofluorobenzene (Surr)	107		73 - 120		10/12/24 02:00	1
Toluene-d8 (Surr)	87		80 - 120		10/12/24 02:00	1
Dibromofluoromethane (Surr)	87		75 - 123		10/12/24 02:00	1

Lab Sample ID: LCS 480-727913/6

Matrix: Water

Analysis Batch: 727913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.4		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.5		ug/L		98	61 - 148
1,1,2-Trichloroethane	25.0	23.6		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	23.7		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	25.0	29.2		ug/L		117	79 - 122
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.2		ug/L		101	56 - 134
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	24.6		ug/L		98	76 - 120
1,3,5-Trimethylbenzene	25.0	25.7		ug/L		103	77 - 121
1,3-Dichlorobenzene	25.0	24.1		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 120
2-Butanone (MEK)	125	117		ug/L		93	57 - 140
2-Hexanone	125	118		ug/L		95	65 - 127
4-Isopropyltoluene	25.0	25.5		ug/L		102	73 - 120
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	109		ug/L		87	56 - 142
Benzene	25.0	24.4		ug/L		98	71 - 124
Bromoform	25.0	20.7		ug/L		83	61 - 132
Bromomethane	25.0	23.6		ug/L		95	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	25.2		ug/L		101	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

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

Lab Sample ID: LCS 480-727913/6

Matrix: Water

Analysis Batch: 727913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	23.1		ug/L		92	75 - 125
Chloroethane	25.0	25.1		ug/L		100	69 - 136
Chloroform	25.0	22.8		ug/L		91	73 - 127
Chloromethane	25.0	23.0		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
Cyclohexane	25.0	25.7		ug/L		103	59 - 135
Bromodichloromethane	25.0	23.5		ug/L		94	80 - 122
Dichlorodifluoromethane	25.0	19.7		ug/L		79	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
Isopropylbenzene	25.0	25.5		ug/L		102	77 - 122
Methyl acetate	50.0	48.5		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	25.6		ug/L		103	68 - 134
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
m,p-Xylene	25.0	24.6		ug/L		98	76 - 122
Naphthalene	25.0	27.4		ug/L		110	66 - 125
n-Butylbenzene	25.0	25.0		ug/L		100	71 - 128
N-Propylbenzene	25.0	24.9		ug/L		100	75 - 127
o-Xylene	25.0	25.2		ug/L		101	76 - 122
sec-Butylbenzene	25.0	26.0		ug/L		104	74 - 127
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	22.2		ug/L		89	80 - 120
Trichloroethene	25.0	24.0		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	27.5		ug/L		110	62 - 150
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133
cis-1,3-Dichloropropene	25.0	21.9		ug/L		88	74 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120
tert-Butylbenzene	25.0	25.8		ug/L		103	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	87		80 - 120
Dibromofluoromethane (Surr)	85		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

GC/MS VOA

Analysis Batch: 727913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224241-1	POST CARBON 2	Total/NA	Water	8260C	
480-224241-2	PRE-CARBON	Total/NA	Water	8260C	
480-224241-3	OUTSIDE SUMP	Total/NA	Water	8260C	
MB 480-727913/8	Method Blank	Total/NA	Water	8260C	
LCS 480-727913/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Client Sample ID: POST CARBON 2
Date Collected: 10/10/24 09:40
Date Received: 10/10/24 10:22

Lab Sample ID: 480-224241-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	727913	ZN	EET BUF	10/12/24 02:22

Client Sample ID: PRE-CARBON
Date Collected: 10/10/24 09:45
Date Received: 10/10/24 10:22

Lab Sample ID: 480-224241-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	727913	ZN	EET BUF	10/12/24 02:44

Client Sample ID: OUTSIDE SUMP
Date Collected: 10/10/24 09:50
Date Received: 10/10/24 10:22

Lab Sample ID: 480-224241-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	727913	ZN	EET BUF	10/12/24 03:07

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

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

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda E Niagara St

Job ID: 480-224241-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224241-1	POST CARBON 2	Water	10/10/24 09:40	10/10/24 10:22
480-224241-2	PRE-CARBON	Water	10/10/24 09:45	10/10/24 10:22
480-224241-3	OUTSIDE SUMP	Water	10/10/24 09:50	10/10/24 10:22

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[illegible]

480-224241 Chain of Custody

**Turnaround Time
(Business Days)**

Lab PM Approval / Date

Laboratory Information

- ☒ Standard 14 days
☐ **1 day RUSH**
☐ Other _____ day

Lab: Eurofins

Address: 10 Hazelwood Dr. Amherst, NY 14228

Phone: 716-691-2600

Lab PM: John Beninati

Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☒ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format NYSDEC EQUIS
- ☐ Other _____

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDCE Tonawanda ENiagaraSt126_LabReport#.17811.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
1	Relinquished By Sampler: <i>J. Paterson - GFS</i>	Date / Time: <i>10/10/24 1022</i>	Received By: <i>10-10-24 1022</i>
2	Relinquished By:	Date / Time:	Received By:
3	Relinquished By:	Date / Time:	Received By:
Custody Seal Number:		☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice Cooler Temp <i>5.8 IR#SC ICR</i>

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-224241-1

Login Number: 224241

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

Generated 11/14/2024 11:17:29 AM

JOB DESCRIPTION

NYSDEC Tonawanda East Niagara Street

JOB NUMBER

480-225234-1

Eurofins Buffalo

Job Notes

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

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

Authorization



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11/14/2024 11:17:29 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Job ID: 480-225234-1

Eurofins Buffalo

Job Narrative 480-225234-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 11/7/2024 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.1°C.

GC/MS VOA

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-731973 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane and Isopropylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following sample was affected : Post Carbon 2 (480-225234-1).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Outside Sump (480-225234-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-732050 recovered above the upper control limit for n-Butylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: Pre-Carbon (480-225234-2) and Outside Sump (480-225234-3).

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Client Sample ID: Post Carbon 2

Lab Sample ID: 480-225234-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.3	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	2.0		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	4.1		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: Pre-Carbon

Lab Sample ID: 480-225234-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.8		1.0	0.75	ug/L	1		8260C	Total/NA
Benzene	11		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	2.5		1.0	0.74	ug/L	1		8260C	Total/NA
m,p-Xylene	11		2.0	0.66	ug/L	1		8260C	Total/NA
Naphthalene	9.8		1.0	0.43	ug/L	1		8260C	Total/NA
o-Xylene	7.8		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	2.1		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	19		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: Outside Sump

Lab Sample ID: 480-225234-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2100		50	21	ug/L	50		8260C	Total/NA
Ethylbenzene	110		50	37	ug/L	50		8260C	Total/NA
m,p-Xylene	52	J	100	33	ug/L	50		8260C	Total/NA
Naphthalene	180		50	22	ug/L	50		8260C	Total/NA
Toluene	170		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	52	J	100	33	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Client Sample ID: Post Carbon 2

Lab Sample ID: 480-225234-1

Date Collected: 11/07/24 13:00

Matrix: Water

Date Received: 11/07/24 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/12/24 01:00	1
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.21	ug/L			11/12/24 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/24 01:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/24 01:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/24 01:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/24 01:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/24 01:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/12/24 01:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/24 01:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/24 01:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/24 01:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/24 01:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/12/24 01:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/24 01:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/24 01:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/24 01:00	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/24 01:00	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/12/24 01:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/24 01:00	1
Acetone	6.3	J	10	3.0	ug/L			11/12/24 01:00	1
Benzene	2.0		1.0	0.41	ug/L			11/12/24 01:00	1
Bromoform	ND		1.0	0.26	ug/L			11/12/24 01:00	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/24 01:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/12/24 01:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/24 01:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/24 01:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/12/24 01:00	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/24 01:00	1
Chloroform	4.1		1.0	0.34	ug/L			11/12/24 01:00	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/24 01:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/24 01:00	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/24 01:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/24 01:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/12/24 01:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/24 01:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/24 01:00	1
Isopropylbenzene	ND	*+	1.0	0.79	ug/L			11/12/24 01:00	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/24 01:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/24 01:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/24 01:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/24 01:00	1
m,p-Xylene	ND		2.0	0.66	ug/L			11/12/24 01:00	1
Naphthalene	ND		1.0	0.43	ug/L			11/12/24 01:00	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/12/24 01:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/12/24 01:00	1
o-Xylene	ND		1.0	0.76	ug/L			11/12/24 01:00	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/12/24 01:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/24 01:00	1
Toluene	ND		1.0	0.51	ug/L			11/12/24 01:00	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Client Sample ID: Post Carbon 2

Lab Sample ID: 480-225234-1

Date Collected: 11/07/24 13:00

Matrix: Water

Date Received: 11/07/24 14:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/24 01:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/24 01:00	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/24 01:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/24 01:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/24 01:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/24 01:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/24 01:00	1
Styrene	ND		1.0	0.73	ug/L			11/12/24 01:00	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/12/24 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		11/12/24 01:00	1
4-Bromofluorobenzene (Surr)	94		73 - 120		11/12/24 01:00	1
Toluene-d8 (Surr)	95		80 - 120		11/12/24 01:00	1
Dibromofluoromethane (Surr)	96		75 - 123		11/12/24 01:00	1

Client Sample ID: Pre-Carbon

Lab Sample ID: 480-225234-2

Date Collected: 11/07/24 13:05

Matrix: Water

Date Received: 11/07/24 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/12/24 18:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/24 18:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/24 18:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/24 18:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/24 18:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/24 18:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/24 18:34	1
1,2,4-Trimethylbenzene	1.8		1.0	0.75	ug/L			11/12/24 18:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/24 18:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/24 18:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/24 18:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/24 18:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/12/24 18:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/24 18:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/24 18:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/24 18:34	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/24 18:34	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/12/24 18:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/24 18:34	1
Acetone	ND		10	3.0	ug/L			11/12/24 18:34	1
Benzene	11		1.0	0.41	ug/L			11/12/24 18:34	1
Bromoform	ND		1.0	0.26	ug/L			11/12/24 18:34	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/24 18:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/12/24 18:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/24 18:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/24 18:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/12/24 18:34	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/24 18:34	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Client Sample ID: Pre-Carbon

Lab Sample ID: 480-225234-2

Date Collected: 11/07/24 13:05

Matrix: Water

Date Received: 11/07/24 14:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			11/12/24 18:34	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/24 18:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/24 18:34	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/24 18:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/24 18:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/12/24 18:34	1
Ethylbenzene	2.5		1.0	0.74	ug/L			11/12/24 18:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/24 18:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/24 18:34	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/24 18:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/24 18:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/24 18:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/24 18:34	1
m,p-Xylene	11		2.0	0.66	ug/L			11/12/24 18:34	1
Naphthalene	9.8		1.0	0.43	ug/L			11/12/24 18:34	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/12/24 18:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/12/24 18:34	1
o-Xylene	7.8		1.0	0.76	ug/L			11/12/24 18:34	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/12/24 18:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/24 18:34	1
Toluene	2.1		1.0	0.51	ug/L			11/12/24 18:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/24 18:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/24 18:34	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/24 18:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/24 18:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/24 18:34	1
Xylenes, Total	19		2.0	0.66	ug/L			11/12/24 18:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/24 18:34	1
Styrene	ND		1.0	0.73	ug/L			11/12/24 18:34	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/12/24 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		11/12/24 18:34	1
4-Bromofluorobenzene (Surr)	90		73 - 120		11/12/24 18:34	1
Toluene-d8 (Surr)	99		80 - 120		11/12/24 18:34	1
Dibromofluoromethane (Surr)	97		75 - 123		11/12/24 18:34	1

Client Sample ID: Outside Sump

Lab Sample ID: 480-225234-3

Date Collected: 11/07/24 13:10

Matrix: Water

Date Received: 11/07/24 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			11/12/24 18:58	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			11/12/24 18:58	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			11/12/24 18:58	50
1,1,2-Trichloroethane	ND		50	12	ug/L			11/12/24 18:58	50
1,1-Dichloroethane	ND		50	19	ug/L			11/12/24 18:58	50
1,1-Dichloroethene	ND		50	15	ug/L			11/12/24 18:58	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			11/12/24 18:58	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Client Sample ID: Outside Sump

Lab Sample ID: 480-225234-3

Date Collected: 11/07/24 13:10

Matrix: Water

Date Received: 11/07/24 14:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		50	38	ug/L			11/12/24 18:58	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			11/12/24 18:58	50
1,2-Dichlorobenzene	ND		50	40	ug/L			11/12/24 18:58	50
1,2-Dichloroethane	ND		50	11	ug/L			11/12/24 18:58	50
1,2-Dichloropropane	ND		50	36	ug/L			11/12/24 18:58	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			11/12/24 18:58	50
1,3-Dichlorobenzene	ND		50	39	ug/L			11/12/24 18:58	50
1,4-Dichlorobenzene	ND		50	42	ug/L			11/12/24 18:58	50
2-Butanone (MEK)	ND		500	66	ug/L			11/12/24 18:58	50
2-Hexanone	ND		250	62	ug/L			11/12/24 18:58	50
4-Isopropyltoluene	ND		50	16	ug/L			11/12/24 18:58	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			11/12/24 18:58	50
Acetone	ND		500	150	ug/L			11/12/24 18:58	50
Benzene	2100		50	21	ug/L			11/12/24 18:58	50
Bromoform	ND		50	13	ug/L			11/12/24 18:58	50
Bromomethane	ND		50	35	ug/L			11/12/24 18:58	50
Carbon disulfide	ND		50	9.5	ug/L			11/12/24 18:58	50
Carbon tetrachloride	ND		50	14	ug/L			11/12/24 18:58	50
Chlorobenzene	ND		50	38	ug/L			11/12/24 18:58	50
Dibromochloromethane	ND		50	16	ug/L			11/12/24 18:58	50
Chloroethane	ND		50	16	ug/L			11/12/24 18:58	50
Chloroform	ND		50	17	ug/L			11/12/24 18:58	50
Chloromethane	ND		50	18	ug/L			11/12/24 18:58	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			11/12/24 18:58	50
Cyclohexane	ND		50	9.0	ug/L			11/12/24 18:58	50
Bromodichloromethane	ND		50	20	ug/L			11/12/24 18:58	50
Dichlorodifluoromethane	ND		50	34	ug/L			11/12/24 18:58	50
Ethylbenzene	110		50	37	ug/L			11/12/24 18:58	50
1,2-Dibromoethane	ND		50	37	ug/L			11/12/24 18:58	50
Isopropylbenzene	ND		50	40	ug/L			11/12/24 18:58	50
Methyl acetate	ND		130	65	ug/L			11/12/24 18:58	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			11/12/24 18:58	50
Methylcyclohexane	ND		50	8.0	ug/L			11/12/24 18:58	50
Methylene Chloride	ND		50	22	ug/L			11/12/24 18:58	50
m,p-Xylene	52 J		100	33	ug/L			11/12/24 18:58	50
Naphthalene	180		50	22	ug/L			11/12/24 18:58	50
n-Butylbenzene	ND		50	32	ug/L			11/12/24 18:58	50
N-Propylbenzene	ND		50	35	ug/L			11/12/24 18:58	50
o-Xylene	ND		50	38	ug/L			11/12/24 18:58	50
sec-Butylbenzene	ND		50	38	ug/L			11/12/24 18:58	50
Tetrachloroethene	ND		50	18	ug/L			11/12/24 18:58	50
Toluene	170		50	26	ug/L			11/12/24 18:58	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			11/12/24 18:58	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			11/12/24 18:58	50
Trichloroethene	ND		50	23	ug/L			11/12/24 18:58	50
Trichlorofluoromethane	ND		50	44	ug/L			11/12/24 18:58	50
Vinyl chloride	ND		50	45	ug/L			11/12/24 18:58	50
Xylenes, Total	52 J		100	33	ug/L			11/12/24 18:58	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			11/12/24 18:58	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Client Sample ID: Outside Sump

Lab Sample ID: 480-225234-3

Date Collected: 11/07/24 13:10

Matrix: Water

Date Received: 11/07/24 14:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		50	37	ug/L			11/12/24 18:58	50
tert-Butylbenzene	ND		50	41	ug/L			11/12/24 18:58	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					11/12/24 18:58	50
4-Bromofluorobenzene (Surr)	89		73 - 120					11/12/24 18:58	50
Toluene-d8 (Surr)	99		80 - 120					11/12/24 18:58	50
Dibromofluoromethane (Surr)	96		75 - 123					11/12/24 18:58	50

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-225234-1	Post Carbon 2	99	94	95	96
480-225234-2	Pre-Carbon	109	90	99	97
480-225234-3	Outside Sump	107	89	99	96
LCS 480-731973/6	Lab Control Sample	100	92	97	97
LCS 480-732050/6	Lab Control Sample	107	91	102	99
MB 480-731973/8	Method Blank	99	91	97	93
MB 480-732050/8	Method Blank	109	91	102	96

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

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

Lab Sample ID: MB 480-731973/8

Matrix: Water

Analysis Batch: 731973

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/12/24 00:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/24 00:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/24 00:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/24 00:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/24 00:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/24 00:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/24 00:37	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/12/24 00:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/24 00:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/24 00:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/24 00:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/24 00:37	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/12/24 00:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/24 00:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/24 00:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/24 00:37	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/24 00:37	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/12/24 00:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/24 00:37	1
Acetone	ND		10	3.0	ug/L			11/12/24 00:37	1
Benzene	ND		1.0	0.41	ug/L			11/12/24 00:37	1
Bromoform	ND		1.0	0.26	ug/L			11/12/24 00:37	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/24 00:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/12/24 00:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/24 00:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/24 00:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/12/24 00:37	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/24 00:37	1
Chloroform	ND		1.0	0.34	ug/L			11/12/24 00:37	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/24 00:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/24 00:37	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/24 00:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/24 00:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/12/24 00:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/24 00:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/24 00:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/24 00:37	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/24 00:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/24 00:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/24 00:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/24 00:37	1
m,p-Xylene	ND		2.0	0.66	ug/L			11/12/24 00:37	1
Naphthalene	ND		1.0	0.43	ug/L			11/12/24 00:37	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/12/24 00:37	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/12/24 00:37	1
o-Xylene	ND		1.0	0.76	ug/L			11/12/24 00:37	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/12/24 00:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/24 00:37	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

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

Lab Sample ID: MB 480-731973/8

Matrix: Water

Analysis Batch: 731973

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			11/12/24 00:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/24 00:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/24 00:37	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/24 00:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/24 00:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/24 00:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/24 00:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/24 00:37	1
Styrene	ND		1.0	0.73	ug/L			11/12/24 00:37	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/12/24 00:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		11/12/24 00:37	1
4-Bromofluorobenzene (Surr)	91		73 - 120		11/12/24 00:37	1
Toluene-d8 (Surr)	97		80 - 120		11/12/24 00:37	1
Dibromofluoromethane (Surr)	93		75 - 123		11/12/24 00:37	1

Lab Sample ID: LCS 480-731973/6

Matrix: Water

Analysis Batch: 731973

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	30.8	*+	ug/L		123	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.6		ug/L		110	61 - 148
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	25.5		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	26.1		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		96	79 - 122
1,2,4-Trimethylbenzene	25.0	29.1		ug/L		116	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.2		ug/L		89	56 - 134
1,2-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 124
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
1,3,5-Trimethylbenzene	25.0	29.9		ug/L		120	77 - 121
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	27.5		ug/L		110	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	145		ug/L		116	65 - 127
4-Isopropyltoluene	25.0	24.9		ug/L		100	73 - 120
4-Methyl-2-pentanone (MIBK)	125	141		ug/L		113	71 - 125
Acetone	125	128		ug/L		103	56 - 142
Benzene	25.0	24.4		ug/L		98	71 - 124
Bromoform	25.0	22.5		ug/L		90	61 - 132
Bromomethane	25.0	22.8		ug/L		91	55 - 144
Carbon disulfide	25.0	24.6		ug/L		98	59 - 134
Carbon tetrachloride	25.0	25.8		ug/L		103	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

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

Lab Sample ID: LCS 480-731973/6

Matrix: Water

Analysis Batch: 731973

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	25.1		ug/L		100	75 - 125
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Chloroform	25.0	22.6		ug/L		90	73 - 127
Chloromethane	25.0	28.8		ug/L		115	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
Cyclohexane	25.0	28.3		ug/L		113	59 - 135
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Dichlorodifluoromethane	25.0	28.2		ug/L		113	59 - 135
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
1,2-Dibromoethane	25.0	22.9		ug/L		91	77 - 120
Isopropylbenzene	25.0	31.4	++	ug/L		126	77 - 122
Methyl acetate	50.0	49.5		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	23.7		ug/L		95	77 - 120
Methylcyclohexane	25.0	26.7		ug/L		107	68 - 134
Methylene Chloride	25.0	23.4		ug/L		94	75 - 124
m,p-Xylene	25.0	23.5		ug/L		94	76 - 122
Naphthalene	25.0	22.8		ug/L		91	66 - 125
n-Butylbenzene	25.0	24.4		ug/L		98	71 - 128
N-Propylbenzene	25.0	31.5		ug/L		126	75 - 127
o-Xylene	25.0	23.0		ug/L		92	76 - 122
sec-Butylbenzene	25.0	31.0		ug/L		124	74 - 127
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	24.4		ug/L		98	80 - 120
Trichloroethene	25.0	23.3		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	28.8		ug/L		115	62 - 150
Vinyl chloride	25.0	27.3		ug/L		109	65 - 133
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124
Styrene	25.0	22.5		ug/L		90	80 - 120
tert-Butylbenzene	25.0	28.9		ug/L		116	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	97		75 - 123

Lab Sample ID: MB 480-732050/8

Matrix: Water

Analysis Batch: 732050

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/12/24 13:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/24 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/24 13:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/24 13:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/24 13:14	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

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

Lab Sample ID: MB 480-732050/8

Matrix: Water

Analysis Batch: 732050

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/24 13:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/24 13:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/12/24 13:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/24 13:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/24 13:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/24 13:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/24 13:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/12/24 13:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/24 13:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/24 13:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/24 13:14	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/24 13:14	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/12/24 13:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/24 13:14	1
Acetone	ND		10	3.0	ug/L			11/12/24 13:14	1
Benzene	ND		1.0	0.41	ug/L			11/12/24 13:14	1
Bromoform	ND		1.0	0.26	ug/L			11/12/24 13:14	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/24 13:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/12/24 13:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/24 13:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/24 13:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/12/24 13:14	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/24 13:14	1
Chloroform	ND		1.0	0.34	ug/L			11/12/24 13:14	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/24 13:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/24 13:14	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/24 13:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/24 13:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/12/24 13:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/24 13:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/24 13:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/24 13:14	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/24 13:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/24 13:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/24 13:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/24 13:14	1
m,p-Xylene	ND		2.0	0.66	ug/L			11/12/24 13:14	1
Naphthalene	ND		1.0	0.43	ug/L			11/12/24 13:14	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/12/24 13:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/12/24 13:14	1
o-Xylene	ND		1.0	0.76	ug/L			11/12/24 13:14	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/12/24 13:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/24 13:14	1
Toluene	ND		1.0	0.51	ug/L			11/12/24 13:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/24 13:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/24 13:14	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/24 13:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/24 13:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/24 13:14	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

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

Lab Sample ID: MB 480-732050/8

Matrix: Water

Analysis Batch: 732050

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/24 13:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/24 13:14	1
Styrene	ND		1.0	0.73	ug/L			11/12/24 13:14	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/12/24 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		11/12/24 13:14	1
4-Bromofluorobenzene (Surr)	91		73 - 120		11/12/24 13:14	1
Toluene-d8 (Surr)	102		80 - 120		11/12/24 13:14	1
Dibromofluoromethane (Surr)	96		75 - 123		11/12/24 13:14	1

Lab Sample ID: LCS 480-732050/6

Matrix: Water

Analysis Batch: 732050

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.5		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.0		ug/L		108	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	18.6		ug/L		75	61 - 148
1,1,2-Trichloroethane	25.0	26.4		ug/L		106	76 - 122
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	25.6		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	25.1		ug/L		100	79 - 122
1,2,4-Trimethylbenzene	25.0	28.2		ug/L		113	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	27.7		ug/L		111	56 - 134
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	27.9		ug/L		112	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	25.0	27.9		ug/L		112	77 - 121
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	143		ug/L		114	65 - 127
4-Isopropyltoluene	25.0	28.6		ug/L		115	73 - 120
4-Methyl-2-pentanone (MIBK)	125	139		ug/L		112	71 - 125
Acetone	125	140		ug/L		112	56 - 142
Benzene	25.0	24.9		ug/L		100	71 - 124
Bromoform	25.0	23.4		ug/L		93	61 - 132
Bromomethane	25.0	26.5		ug/L		106	55 - 144
Carbon disulfide	25.0	22.2		ug/L		89	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chloroethane	25.0	27.3		ug/L		109	69 - 136
Chloroform	25.0	24.2		ug/L		97	73 - 127
Chloromethane	25.0	21.6		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
Cyclohexane	25.0	24.2		ug/L		97	59 - 135

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

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

Lab Sample ID: LCS 480-732050/6

Matrix: Water

Analysis Batch: 732050

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Dichlorodifluoromethane	25.0	24.0		ug/L		96	59 - 135
Ethylbenzene	25.0	26.4		ug/L		106	77 - 123
1,2-Dibromoethane	25.0	26.5		ug/L		106	77 - 120
Isopropylbenzene	25.0	27.3		ug/L		109	77 - 122
Methyl acetate	50.0	47.1		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120
Methylcyclohexane	25.0	26.1		ug/L		104	68 - 134
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124
m,p-Xylene	25.0	25.6		ug/L		102	76 - 122
Naphthalene	25.0	25.8		ug/L		103	66 - 125
n-Butylbenzene	25.0	30.2		ug/L		121	71 - 128
N-Propylbenzene	25.0	27.7		ug/L		111	75 - 127
o-Xylene	25.0	25.6		ug/L		102	76 - 122
sec-Butylbenzene	25.0	28.7		ug/L		115	74 - 127
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
Trichloroethene	25.0	25.8		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	26.1		ug/L		105	62 - 150
Vinyl chloride	25.0	22.3		ug/L		89	65 - 133
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Styrene	25.0	25.9		ug/L		104	80 - 120
tert-Butylbenzene	25.0	26.5		ug/L		106	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

GC/MS VOA

Analysis Batch: 731973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225234-1	Post Carbon 2	Total/NA	Water	8260C	
MB 480-731973/8	Method Blank	Total/NA	Water	8260C	
LCS 480-731973/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 732050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225234-2	Pre-Carbon	Total/NA	Water	8260C	
480-225234-3	Outside Sump	Total/NA	Water	8260C	
MB 480-732050/8	Method Blank	Total/NA	Water	8260C	
LCS 480-732050/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Client Sample ID: Post Carbon 2

Date Collected: 11/07/24 13:00

Date Received: 11/07/24 14:30

Lab Sample ID: 480-225234-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	731973	ZN	EET BUF	11/12/24 01:00

Client Sample ID: Pre-Carbon

Date Collected: 11/07/24 13:05

Date Received: 11/07/24 14:30

Lab Sample ID: 480-225234-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	732050	ERS	EET BUF	11/12/24 18:34

Client Sample ID: Outside Sump

Date Collected: 11/07/24 13:10

Date Received: 11/07/24 14:30

Lab Sample ID: 480-225234-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	732050	ERS	EET BUF	11/12/24 18:58

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Tonawanda East Niagara Street

Job ID: 480-225234-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-225234-1	Post Carbon 2	Water	11/07/24 13:00	11/07/24 14:30
480-225234-2	Pre-Carbon	Water	11/07/24 13:05	11/07/24 14:30
480-225234-3	Outside Sump	Water	11/07/24 13:10	11/07/24 14:30

1

2

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[illegible]

480-225234 Chain of Custody

Turnaround Time
(Business Days)

Lab PM Approval / Date

Laboratory Information

- ☒ Standard 14 days
☐ **1 day RUSH**
☐ Other _____ day

Lab: Eurofins

Address: 10 Hazelwood Dr. Amherst, NY 14228

Phone: 716-691-2600

Lab PM: John Beninati

Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☒ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format NYSDEC Equis
- ☐ Other _____

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSEDEC Tonawanda ENiagaraSt126_LabReport#.17811.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 B. Mikolich (CS)	1 11/7/24 1430	1 [Signature]	11/7/24 1430
Relinquished By:	Date / Time:	Received By:	
2	2	2	11/7/24 1430
Relinquished By:	Date / Time:	Received By:	
3	3	3	6.11.24 #S
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice	Cooler Temp _____

[illegible]

480-225234 Chain of Custody

Turnaround Time
(Business Days)

Lab PM Approval / Date

Laboratory Information

- ☒ Standard 14 days
☐ **1 day RUSH**
☐ Other _____ days

Lab: Eurofins

Address: 10 Hazelwood Dr. Amherst, NY 14228

Phone: 716-691-2600

Lab PM: John Beninati

Lab PM Email: john.beninati@et.eurofins.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☒ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format NYSDEC EQUIS
- ☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC Tonawanda ENiagaraSt126_LabReport#.17811.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 B. Mikolaj (CS)	1 11/7/24 1430	1 [Signature] (CS)	
Relinquished By:	Date / Time:	Received By:	
2	2	2 11/7/24 1430	
Relinquished By:	Date / Time:	Received By:	
3	3	3 Co. 112 #50	
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice	Cooler Temp _____

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-225234-1

Login Number: 225234

List Number: 1

Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.1 IR#SC ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Thomas Palmer
Groundwater & Environmental Services Inc
6010 North Bailey Avenue
Suite 1
Amherst, New York 14226

Generated 12/26/2024 9:58:16 AM

JOB DESCRIPTION

NYSDEC Gastown Site

JOB NUMBER

480-226433-1

Eurofins Buffalo

Job Notes

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

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

Authorization



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12/26/2024 9:58:16 AM

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: NYSDEC Gastown Site

Job ID: 480-226433-1

Job ID: 480-226433-1

Eurofins Buffalo

Job Narrative 480-226433-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 12/19/2024 3:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 13.2°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: Post-Carbon 2 (480-226433-1), Pre-Carbon (480-226433-2) and Outside Sump (480-226433-3). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Outside Sump (480-226433-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: Pre-Carbon (480-226433-2).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Pre-Carbon (480-226433-2). Elevated reporting limits (RLs) are provided.

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

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Client Sample ID: Post-Carbon 2

Lab Sample ID: 480-226433-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.42	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	0.97	J	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: Pre-Carbon

Lab Sample ID: 480-226433-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.86	J	1.0	0.75	ug/L	1		8260C	Total/NA
Ethylbenzene	12		1.0	0.74	ug/L	1		8260C	Total/NA
m,p-Xylene	9.3		2.0	0.66	ug/L	1		8260C	Total/NA
Naphthalene	14		1.0	0.43	ug/L	1		8260C	Total/NA
o-Xylene	6.5		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	22		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	16		2.0	0.66	ug/L	1		8260C	Total/NA
Benzene - DL	140		4.0	1.6	ug/L	4		8260C	Total/NA

Client Sample ID: Outside Sump

Lab Sample ID: 480-226433-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1800		50	21	ug/L	50		8260C	Total/NA
Ethylbenzene	110		50	37	ug/L	50		8260C	Total/NA
m,p-Xylene	50	J	100	33	ug/L	50		8260C	Total/NA
Naphthalene	170		50	22	ug/L	50		8260C	Total/NA
Toluene	180		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	50	J	100	33	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Client Sample ID: Post-Carbon 2

Lab Sample ID: 480-226433-1

Date Collected: 12/18/24 09:25

Matrix: Water

Date Received: 12/19/24 15:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/24 18:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/24 18:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/24 18:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/24 18:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/24 18:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/24 18:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/24 18:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/19/24 18:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/24 18:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/24 18:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/24 18:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/24 18:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/19/24 18:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/24 18:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/24 18:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/24 18:14	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/24 18:14	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			12/19/24 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/24 18:14	1
Acetone	ND		10	3.0	ug/L			12/19/24 18:14	1
Benzene	0.42	J	1.0	0.41	ug/L			12/19/24 18:14	1
Bromoform	ND		1.0	0.26	ug/L			12/19/24 18:14	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/24 18:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/24 18:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/24 18:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/24 18:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/24 18:14	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/24 18:14	1
Chloroform	0.97	J	1.0	0.34	ug/L			12/19/24 18:14	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/24 18:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/24 18:14	1
Cyclohexane	ND		1.0	0.18	ug/L			12/19/24 18:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/24 18:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/24 18:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/24 18:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/24 18:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/24 18:14	1
Methyl acetate	ND		2.5	1.3	ug/L			12/19/24 18:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/24 18:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/19/24 18:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/24 18:14	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/19/24 18:14	1
Naphthalene	ND		1.0	0.43	ug/L			12/19/24 18:14	1
n-Butylbenzene	ND		1.0	0.64	ug/L			12/19/24 18:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/19/24 18:14	1
o-Xylene	ND		1.0	0.76	ug/L			12/19/24 18:14	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			12/19/24 18:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/24 18:14	1
Toluene	ND		1.0	0.51	ug/L			12/19/24 18:14	1

Euofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Client Sample ID: Post-Carbon 2

Lab Sample ID: 480-226433-1

Date Collected: 12/18/24 09:25

Matrix: Water

Date Received: 12/19/24 15:22

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/24 18:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/24 18:14	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/24 18:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/24 18:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/24 18:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/24 18:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/24 18:14	1
Styrene	ND		1.0	0.73	ug/L			12/19/24 18:14	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/19/24 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		12/19/24 18:14	1
4-Bromofluorobenzene (Surr)	101		73 - 120		12/19/24 18:14	1
Toluene-d8 (Surr)	94		80 - 120		12/19/24 18:14	1
Dibromofluoromethane (Surr)	97		75 - 123		12/19/24 18:14	1

Client Sample ID: Pre-Carbon

Lab Sample ID: 480-226433-2

Date Collected: 12/18/24 09:30

Matrix: Water

Date Received: 12/19/24 15:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/24 18:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/24 18:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/24 18:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/24 18:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/24 18:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/24 18:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/24 18:39	1
1,2,4-Trimethylbenzene	0.86	J	1.0	0.75	ug/L			12/19/24 18:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/24 18:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/24 18:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/24 18:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/24 18:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/19/24 18:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/24 18:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/24 18:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/24 18:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/24 18:39	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			12/19/24 18:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/24 18:39	1
Acetone	ND		10	3.0	ug/L			12/19/24 18:39	1
Bromoform	ND		1.0	0.26	ug/L			12/19/24 18:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/24 18:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/24 18:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/24 18:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/24 18:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/24 18:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/24 18:39	1
Chloroform	ND		1.0	0.34	ug/L			12/19/24 18:39	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Client Sample ID: Pre-Carbon

Lab Sample ID: 480-226433-2

Date Collected: 12/18/24 09:30

Matrix: Water

Date Received: 12/19/24 15:22

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/19/24 18:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/24 18:39	1
Cyclohexane	ND		1.0	0.18	ug/L			12/19/24 18:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/24 18:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/24 18:39	1
Ethylbenzene	12		1.0	0.74	ug/L			12/19/24 18:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/24 18:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/24 18:39	1
Methyl acetate	ND		2.5	1.3	ug/L			12/19/24 18:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/24 18:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/19/24 18:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/24 18:39	1
m,p-Xylene	9.3		2.0	0.66	ug/L			12/19/24 18:39	1
Naphthalene	14		1.0	0.43	ug/L			12/19/24 18:39	1
n-Butylbenzene	ND		1.0	0.64	ug/L			12/19/24 18:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/19/24 18:39	1
o-Xylene	6.5		1.0	0.76	ug/L			12/19/24 18:39	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			12/19/24 18:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/24 18:39	1
Toluene	22		1.0	0.51	ug/L			12/19/24 18:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/24 18:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/24 18:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/24 18:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/24 18:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/24 18:39	1
Xylenes, Total	16		2.0	0.66	ug/L			12/19/24 18:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/24 18:39	1
Styrene	ND		1.0	0.73	ug/L			12/19/24 18:39	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/19/24 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		12/19/24 18:39	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/19/24 18:39	1
Toluene-d8 (Surr)	93		80 - 120		12/19/24 18:39	1
Dibromofluoromethane (Surr)	96		75 - 123		12/19/24 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	140		4.0	1.6	ug/L			12/20/24 15:59	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		12/20/24 15:59	4
4-Bromofluorobenzene (Surr)	102		73 - 120		12/20/24 15:59	4
Toluene-d8 (Surr)	94		80 - 120		12/20/24 15:59	4
Dibromofluoromethane (Surr)	96		75 - 123		12/20/24 15:59	4

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Client Sample ID: Outside Sump

Lab Sample ID: 480-226433-3

Date Collected: 12/18/24 09:35

Matrix: Water

Date Received: 12/19/24 15:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			12/19/24 19:04	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			12/19/24 19:04	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			12/19/24 19:04	50
1,1,2-Trichloroethane	ND		50	12	ug/L			12/19/24 19:04	50
1,1-Dichloroethane	ND		50	19	ug/L			12/19/24 19:04	50
1,1-Dichloroethene	ND		50	15	ug/L			12/19/24 19:04	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			12/19/24 19:04	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			12/19/24 19:04	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			12/19/24 19:04	50
1,2-Dichlorobenzene	ND		50	40	ug/L			12/19/24 19:04	50
1,2-Dichloroethane	ND		50	11	ug/L			12/19/24 19:04	50
1,2-Dichloropropane	ND		50	36	ug/L			12/19/24 19:04	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			12/19/24 19:04	50
1,3-Dichlorobenzene	ND		50	39	ug/L			12/19/24 19:04	50
1,4-Dichlorobenzene	ND		50	42	ug/L			12/19/24 19:04	50
2-Butanone (MEK)	ND		500	66	ug/L			12/19/24 19:04	50
2-Hexanone	ND		250	62	ug/L			12/19/24 19:04	50
4-Isopropyltoluene	ND		50	16	ug/L			12/19/24 19:04	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			12/19/24 19:04	50
Acetone	ND		500	150	ug/L			12/19/24 19:04	50
Benzene	1800		50	21	ug/L			12/19/24 19:04	50
Bromoform	ND		50	13	ug/L			12/19/24 19:04	50
Bromomethane	ND		50	35	ug/L			12/19/24 19:04	50
Carbon disulfide	ND		50	9.5	ug/L			12/19/24 19:04	50
Carbon tetrachloride	ND		50	14	ug/L			12/19/24 19:04	50
Chlorobenzene	ND		50	38	ug/L			12/19/24 19:04	50
Dibromochloromethane	ND		50	16	ug/L			12/19/24 19:04	50
Chloroethane	ND		50	16	ug/L			12/19/24 19:04	50
Chloroform	ND		50	17	ug/L			12/19/24 19:04	50
Chloromethane	ND		50	18	ug/L			12/19/24 19:04	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			12/19/24 19:04	50
Cyclohexane	ND		50	9.0	ug/L			12/19/24 19:04	50
Bromodichloromethane	ND		50	20	ug/L			12/19/24 19:04	50
Dichlorodifluoromethane	ND		50	34	ug/L			12/19/24 19:04	50
Ethylbenzene	110		50	37	ug/L			12/19/24 19:04	50
1,2-Dibromoethane	ND		50	37	ug/L			12/19/24 19:04	50
Isopropylbenzene	ND		50	40	ug/L			12/19/24 19:04	50
Methyl acetate	ND		130	65	ug/L			12/19/24 19:04	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			12/19/24 19:04	50
Methylcyclohexane	ND		50	8.0	ug/L			12/19/24 19:04	50
Methylene Chloride	ND		50	22	ug/L			12/19/24 19:04	50
m,p-Xylene	50 J		100	33	ug/L			12/19/24 19:04	50
Naphthalene	170		50	22	ug/L			12/19/24 19:04	50
n-Butylbenzene	ND		50	32	ug/L			12/19/24 19:04	50
N-Propylbenzene	ND		50	35	ug/L			12/19/24 19:04	50
o-Xylene	ND		50	38	ug/L			12/19/24 19:04	50
sec-Butylbenzene	ND		50	38	ug/L			12/19/24 19:04	50
Tetrachloroethene	ND		50	18	ug/L			12/19/24 19:04	50
Toluene	180		50	26	ug/L			12/19/24 19:04	50

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Client Sample ID: Outside Sump

Lab Sample ID: 480-226433-3

Date Collected: 12/18/24 09:35

Matrix: Water

Date Received: 12/19/24 15:22

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		50	45	ug/L			12/19/24 19:04	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			12/19/24 19:04	50
Trichloroethene	ND		50	23	ug/L			12/19/24 19:04	50
Trichlorofluoromethane	ND		50	44	ug/L			12/19/24 19:04	50
Vinyl chloride	ND		50	45	ug/L			12/19/24 19:04	50
Xylenes, Total	50	J	100	33	ug/L			12/19/24 19:04	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			12/19/24 19:04	50
Styrene	ND		50	37	ug/L			12/19/24 19:04	50
tert-Butylbenzene	ND		50	41	ug/L			12/19/24 19:04	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		12/19/24 19:04	50
4-Bromofluorobenzene (Surr)	104		73 - 120		12/19/24 19:04	50
Toluene-d8 (Surr)	94		80 - 120		12/19/24 19:04	50
Dibromofluoromethane (Surr)	99		75 - 123		12/19/24 19:04	50

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-226433-1	Post-Carbon 2	95	101	94	97
480-226433-2	Pre-Carbon	95	97	93	96
480-226433-2 - DL	Pre-Carbon	95	102	94	96
480-226433-3	Outside Sump	96	104	94	99
LCS 480-735722/6	Lab Control Sample	101	104	94	99
LCS 480-735828/6	Lab Control Sample	105	106	95	96
LCSD 480-735828/7	Lab Control Sample Dup	94	105	94	97
MB 480-735722/8	Method Blank	98	100	93	100
MB 480-735828/9	Method Blank	94	102	93	96

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Lab Sample ID: MB 480-735722/8

Matrix: Water

Analysis Batch: 735722

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/24 12:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/24 12:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/24 12:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/24 12:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/24 12:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/24 12:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/24 12:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/19/24 12:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/24 12:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/24 12:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/24 12:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/24 12:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/19/24 12:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/24 12:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/24 12:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/24 12:55	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/24 12:55	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			12/19/24 12:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/24 12:55	1
Acetone	ND		10	3.0	ug/L			12/19/24 12:55	1
Benzene	ND		1.0	0.41	ug/L			12/19/24 12:55	1
Bromoform	ND		1.0	0.26	ug/L			12/19/24 12:55	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/24 12:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/24 12:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/24 12:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/24 12:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/24 12:55	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/24 12:55	1
Chloroform	ND		1.0	0.34	ug/L			12/19/24 12:55	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/24 12:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/24 12:55	1
Cyclohexane	ND		1.0	0.18	ug/L			12/19/24 12:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/24 12:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/24 12:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/24 12:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/24 12:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/24 12:55	1
Methyl acetate	ND		2.5	1.3	ug/L			12/19/24 12:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/24 12:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/19/24 12:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/24 12:55	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/19/24 12:55	1
Naphthalene	ND		1.0	0.43	ug/L			12/19/24 12:55	1
n-Butylbenzene	ND		1.0	0.64	ug/L			12/19/24 12:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/19/24 12:55	1
o-Xylene	ND		1.0	0.76	ug/L			12/19/24 12:55	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			12/19/24 12:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/24 12:55	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Lab Sample ID: MB 480-735722/8

Matrix: Water

Analysis Batch: 735722

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			12/19/24 12:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/24 12:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/24 12:55	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/24 12:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/24 12:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/24 12:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/24 12:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/24 12:55	1
Styrene	ND		1.0	0.73	ug/L			12/19/24 12:55	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/19/24 12:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/19/24 12:55	1
4-Bromofluorobenzene (Surr)	100		73 - 120		12/19/24 12:55	1
Toluene-d8 (Surr)	93		80 - 120		12/19/24 12:55	1
Dibromofluoromethane (Surr)	100		75 - 123		12/19/24 12:55	1

Lab Sample ID: LCS 480-735722/6

Matrix: Water

Analysis Batch: 735722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.4		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.6		ug/L		90	61 - 148
1,1,2-Trichloroethane	25.0	22.9		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2,4-Trimethylbenzene	25.0	23.4		ug/L		94	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.9		ug/L		92	56 - 134
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	22.9		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
1,3,5-Trimethylbenzene	25.0	23.6		ug/L		95	77 - 121
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	109		ug/L		87	57 - 140
2-Hexanone	125	107		ug/L		86	65 - 127
4-Isopropyltoluene	25.0	24.1		ug/L		97	73 - 120
4-Methyl-2-pentanone (MIBK)	125	106		ug/L		85	71 - 125
Acetone	125	105		ug/L		84	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromoform	25.0	22.7		ug/L		91	61 - 132
Bromomethane	25.0	21.4		ug/L		86	55 - 144
Carbon disulfide	25.0	22.1		ug/L		88	59 - 134
Carbon tetrachloride	25.0	24.7		ug/L		99	72 - 134
Chlorobenzene	25.0	23.1		ug/L		92	80 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Lab Sample ID: LCS 480-735722/6

Matrix: Water

Analysis Batch: 735722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	22.8		ug/L		91	75 - 125
Chloroethane	25.0	22.8		ug/L		91	69 - 136
Chloroform	25.0	22.2		ug/L		89	73 - 127
Chloromethane	25.0	21.6		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	23.6		ug/L		94	74 - 124
Cyclohexane	25.0	23.3		ug/L		93	59 - 135
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Dichlorodifluoromethane	25.0	20.6		ug/L		82	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	22.9		ug/L		92	77 - 120
Isopropylbenzene	25.0	23.4		ug/L		94	77 - 122
Methyl acetate	50.0	42.9		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	20.9		ug/L		84	77 - 120
Methylcyclohexane	25.0	24.8		ug/L		99	68 - 134
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124
m,p-Xylene	25.0	23.7		ug/L		95	76 - 122
Naphthalene	25.0	23.0		ug/L		92	66 - 125
n-Butylbenzene	25.0	25.1		ug/L		100	71 - 128
N-Propylbenzene	25.0	24.1		ug/L		96	75 - 127
o-Xylene	25.0	23.9		ug/L		96	76 - 122
sec-Butylbenzene	25.0	24.2		ug/L		97	74 - 127
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	22.4		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	21.8		ug/L		87	73 - 127
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	80 - 120
Trichloroethene	25.0	24.4		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	24.1		ug/L		96	62 - 150
Vinyl chloride	25.0	21.2		ug/L		85	65 - 133
cis-1,3-Dichloropropene	25.0	25.9		ug/L		103	74 - 124
Styrene	25.0	23.8		ug/L		95	80 - 120
tert-Butylbenzene	25.0	24.0		ug/L		96	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: MB 480-735828/9

Matrix: Water

Analysis Batch: 735828

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/24 14:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/24 14:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/24 14:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/24 14:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/24 14:20	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Lab Sample ID: MB 480-735828/9

Matrix: Water

Analysis Batch: 735828

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/20/24 14:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/24 14:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/20/24 14:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/24 14:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/24 14:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/20/24 14:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/24 14:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/20/24 14:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/24 14:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/24 14:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/20/24 14:20	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/24 14:20	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			12/20/24 14:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/24 14:20	1
Acetone	ND		10	3.0	ug/L			12/20/24 14:20	1
Benzene	ND		1.0	0.41	ug/L			12/20/24 14:20	1
Bromoform	ND		1.0	0.26	ug/L			12/20/24 14:20	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/24 14:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/20/24 14:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/24 14:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/20/24 14:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/24 14:20	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/24 14:20	1
Chloroform	ND		1.0	0.34	ug/L			12/20/24 14:20	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/24 14:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/20/24 14:20	1
Cyclohexane	ND		1.0	0.18	ug/L			12/20/24 14:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/24 14:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/24 14:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/24 14:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/24 14:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/24 14:20	1
Methyl acetate	ND		2.5	1.3	ug/L			12/20/24 14:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/20/24 14:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/20/24 14:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/24 14:20	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/20/24 14:20	1
Naphthalene	ND		1.0	0.43	ug/L			12/20/24 14:20	1
n-Butylbenzene	ND		1.0	0.64	ug/L			12/20/24 14:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/20/24 14:20	1
o-Xylene	ND		1.0	0.76	ug/L			12/20/24 14:20	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			12/20/24 14:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/20/24 14:20	1
Toluene	ND		1.0	0.51	ug/L			12/20/24 14:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/20/24 14:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/24 14:20	1
Trichloroethene	ND		1.0	0.46	ug/L			12/20/24 14:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/24 14:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/20/24 14:20	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Lab Sample ID: MB 480-735828/9

Matrix: Water

Analysis Batch: 735828

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			12/20/24 14:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/24 14:20	1
Styrene	ND		1.0	0.73	ug/L			12/20/24 14:20	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/20/24 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		12/20/24 14:20	1
4-Bromofluorobenzene (Surr)	102		73 - 120		12/20/24 14:20	1
Toluene-d8 (Surr)	93		80 - 120		12/20/24 14:20	1
Dibromofluoromethane (Surr)	96		75 - 123		12/20/24 14:20	1

Lab Sample ID: LCS 480-735828/6

Matrix: Water

Analysis Batch: 735828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.1		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.3		ug/L		89	61 - 148
1,1,2-Trichloroethane	25.0	22.6		ug/L		90	76 - 122
1,1-Dichloroethane	25.0	23.1		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	22.9		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2,4-Trimethylbenzene	25.0	22.9		ug/L		92	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	23.6		ug/L		94	56 - 134
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	22.3		ug/L		89	75 - 120
1,2-Dichloropropane	25.0	23.3		ug/L		93	76 - 120
1,3,5-Trimethylbenzene	25.0	23.4		ug/L		94	77 - 121
1,3-Dichlorobenzene	25.0	23.9		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	22.9		ug/L		91	80 - 120
2-Butanone (MEK)	125	201	*+	ug/L		161	57 - 140
2-Hexanone	125	105		ug/L		84	65 - 127
4-Isopropyltoluene	25.0	24.2		ug/L		97	73 - 120
4-Methyl-2-pentanone (MIBK)	125	102		ug/L		82	71 - 125
Acetone	125	108		ug/L		86	56 - 142
Benzene	25.0	23.0		ug/L		92	71 - 124
Bromoform	25.0	22.7		ug/L		91	61 - 132
Bromomethane	25.0	24.1		ug/L		96	55 - 144
Carbon disulfide	25.0	21.0		ug/L		84	59 - 134
Carbon tetrachloride	25.0	23.8		ug/L		95	72 - 134
Chlorobenzene	25.0	23.1		ug/L		92	80 - 120
Dibromochloromethane	25.0	23.1		ug/L		92	75 - 125
Chloroethane	25.0	23.6		ug/L		94	69 - 136
Chloroform	25.0	21.7		ug/L		87	73 - 127
Chloromethane	25.0	23.0		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	74 - 124
Cyclohexane	25.0	22.2		ug/L		89	59 - 135

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Lab Sample ID: LCS 480-735828/6

Matrix: Water

Analysis Batch: 735828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Dichlorodifluoromethane	25.0	25.5		ug/L		102	59 - 135
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123
1,2-Dibromoethane	25.0	23.6		ug/L		95	77 - 120
Isopropylbenzene	25.0	23.4		ug/L		93	77 - 122
Methyl acetate	50.0	37.7		ug/L		75	74 - 133
Methyl tert-butyl ether	25.0	20.6		ug/L		83	77 - 120
Methylcyclohexane	25.0	24.3		ug/L		97	68 - 134
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
m,p-Xylene	25.0	22.8		ug/L		91	76 - 122
Naphthalene	25.0	24.2		ug/L		97	66 - 125
n-Butylbenzene	25.0	24.8		ug/L		99	71 - 128
N-Propylbenzene	25.0	23.8		ug/L		95	75 - 127
o-Xylene	25.0	23.7		ug/L		95	76 - 122
sec-Butylbenzene	25.0	24.0		ug/L		96	74 - 127
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	22.1		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	21.6		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	23.2		ug/L		93	80 - 120
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Styrene	25.0	23.8		ug/L		95	80 - 120
tert-Butylbenzene	25.0	24.3		ug/L		97	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Toluene-d8 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	96		75 - 123

Lab Sample ID: LCSD 480-735828/7

Matrix: Water

Analysis Batch: 735828

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	23.8		ug/L		95	73 - 126	1	15
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.2		ug/L		97	61 - 148	8	20
1,1,2-Trichloroethane	25.0	22.2		ug/L		89	76 - 122	2	15
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120	0	20
1,1-Dichloroethene	25.0	22.6		ug/L		90	66 - 127	1	16
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122	2	20
1,2,4-Trimethylbenzene	25.0	22.9		ug/L		91	76 - 121	0	20
1,2-Dibromo-3-Chloropropane	25.0	24.4		ug/L		97	56 - 134	3	15
1,2-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 124	3	20
1,2-Dichloroethane	25.0	22.1		ug/L		89	75 - 120	1	20

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Lab Sample ID: LCSD 480-735828/7

Matrix: Water

Analysis Batch: 735828

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloropropane	25.0	23.1		ug/L		92	76 - 120	1	20
1,3,5-Trimethylbenzene	25.0	23.2		ug/L		93	77 - 121	1	20
1,3-Dichlorobenzene	25.0	23.6		ug/L		94	77 - 120	1	20
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 120	1	20
2-Butanone (MEK)	125	189	*+	ug/L		152	57 - 140	6	20
2-Hexanone	125	110		ug/L		88	65 - 127	5	15
4-Isopropyltoluene	25.0	23.5		ug/L		94	73 - 120	3	20
4-Methyl-2-pentanone (MIBK)	125	106		ug/L		85	71 - 125	4	35
Acetone	125	117		ug/L		94	56 - 142	8	15
Benzene	25.0	22.9		ug/L		92	71 - 124	0	13
Bromoform	25.0	23.3		ug/L		93	61 - 132	3	15
Bromomethane	25.0	24.1		ug/L		96	55 - 144	0	15
Carbon disulfide	25.0	21.4		ug/L		85	59 - 134	2	15
Carbon tetrachloride	25.0	24.1		ug/L		96	72 - 134	1	15
Chlorobenzene	25.0	22.8		ug/L		91	80 - 120	1	25
Dibromochloromethane	25.0	23.1		ug/L		93	75 - 125	0	15
Chloroethane	25.0	24.2		ug/L		97	69 - 136	3	15
Chloroform	25.0	21.7		ug/L		87	73 - 127	0	20
Chloromethane	25.0	23.3		ug/L		93	68 - 124	1	15
cis-1,2-Dichloroethene	25.0	23.0		ug/L		92	74 - 124	1	15
Cyclohexane	25.0	21.4		ug/L		85	59 - 135	4	20
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122	1	15
Dichlorodifluoromethane	25.0	25.9		ug/L		104	59 - 135	2	20
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123	1	15
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120	0	15
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122	2	20
Methyl acetate	50.0	42.1		ug/L		84	74 - 133	11	20
Methyl tert-butyl ether	25.0	20.5		ug/L		82	77 - 120	1	37
Methylcyclohexane	25.0	23.9		ug/L		96	68 - 134	2	20
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124	2	15
m,p-Xylene	25.0	23.7		ug/L		95	76 - 122	4	16
Naphthalene	25.0	24.3		ug/L		97	66 - 125	0	20
n-Butylbenzene	25.0	24.6		ug/L		99	71 - 128	1	15
N-Propylbenzene	25.0	23.5		ug/L		94	75 - 127	1	15
o-Xylene	25.0	23.8		ug/L		95	76 - 122	0	16
sec-Butylbenzene	25.0	23.5		ug/L		94	74 - 127	2	15
Tetrachloroethene	25.0	25.4		ug/L		101	74 - 122	2	20
Toluene	25.0	21.7		ug/L		87	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	21.2		ug/L		85	73 - 127	2	20
trans-1,3-Dichloropropene	25.0	23.4		ug/L		93	80 - 120	1	15
Trichloroethene	25.0	24.1		ug/L		96	74 - 123	4	16
Trichlorofluoromethane	25.0	25.1		ug/L		100	62 - 150	1	20
Vinyl chloride	25.0	23.9		ug/L		96	65 - 133	0	15
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	74 - 124	3	15
Styrene	25.0	24.0		ug/L		96	80 - 120	1	20
tert-Butylbenzene	25.0	23.9		ug/L		96	75 - 123	2	15

Eurofins Buffalo

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

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

Lab Sample ID: LCSD 480-735828/7

Matrix: Water

Analysis Batch: 735828

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	97		75 - 123

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

GC/MS VOA

Analysis Batch: 735722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226433-1	Post-Carbon 2	Total/NA	Water	8260C	
480-226433-2	Pre-Carbon	Total/NA	Water	8260C	
480-226433-3	Outside Sump	Total/NA	Water	8260C	
MB 480-735722/8	Method Blank	Total/NA	Water	8260C	
LCS 480-735722/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 735828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226433-2 - DL	Pre-Carbon	Total/NA	Water	8260C	
MB 480-735828/9	Method Blank	Total/NA	Water	8260C	
LCS 480-735828/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-735828/7	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Client Sample ID: Post-Carbon 2

Date Collected: 12/18/24 09:25

Date Received: 12/19/24 15:22

Lab Sample ID: 480-226433-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	735722	ERS	EET BUF	12/19/24 18:14

Client Sample ID: Pre-Carbon

Date Collected: 12/18/24 09:30

Date Received: 12/19/24 15:22

Lab Sample ID: 480-226433-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	735722	ERS	EET BUF	12/19/24 18:39
Total/NA	Analysis	8260C	DL	4	735828	ZN	EET BUF	12/20/24 15:59

Client Sample ID: Outside Sump

Date Collected: 12/18/24 09:35

Date Received: 12/19/24 15:22

Lab Sample ID: 480-226433-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	735722	ERS	EET BUF	12/19/24 19:04

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NYSDEC Gastown Site

Job ID: 480-226433-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226433-1	Post-Carbon 2	Water	12/18/24 09:25	12/19/24 15:22
480-226433-2	Pre-Carbon	Water	12/18/24 09:30	12/19/24 15:22
480-226433-3	Outside Sump	Water	12/18/24 09:35	12/19/24 15:22

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Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-226433-1

Login Number: 226433

List Number: 1

Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	13.2 IR#SC ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	Groundwater & Environmental Services
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	