

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

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Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-125771-1

Client Project/Site: Frewsburg Site #907016

For:

New York State D.E.C.

270 Michigan Avenue

Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:

10/25/2017 11:59:25 PM

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

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

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
10/25/2017 11:59:25 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Job ID: 480-125771-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-125771-1

Receipt

The samples were received on 10/12/2017 12:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-382898 recovered above the upper control limit for 2-Hexanone, Cyclohexane, Acetone, Chloromethane, 1,2-Dichloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Trichlorofluoromethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-2 (480-125771-1), MW-3 (480-125771-2) and MW-9R (480-125771-4).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-382898 recovered outside control limits for the following analytes: 2-Hexanone, Acetone and 1,2-Dichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW-2 (480-125771-1), MW-3 (480-125771-2) and MW-9R (480-125771-4).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2 (480-125771-1), MW-3 (480-125771-2) and MW-9R (480-125771-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the high concentration of cis-1,2-Dichloroethene and Trichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-382898 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2 (480-125771-1), MW-3 (480-125771-2), MW-9R (480-125771-4) and DUP (480-125771-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-383133 recovered above the upper control limit for 2-Hexanone, Cyclohexane and 1,2-Dichloroethane. The sample associated with this CCV was non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: DUP (480-125771-9).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-383137 recovered above the upper control limit for 2-Hexanone, Cyclohexane, 1,2-Dichloroethane, 4-Methyl-2-pentanone (MIBK), Tetrachloroethene and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-13 (480-125771-7) and MW-14 (480-125771-8).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-383137 recovered outside control limits for the following analytes: 2-Hexanone, Cyclohexane, 1,2-Dichloroethane, and Tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: Due to the high concentration of Trichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-383137 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-125771-3) and MW-11R (480-125771-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-13 (480-125771-7) and MW-14 (480-125771-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-13 (480-125771-7) and MW-14 (480-125771-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11R (480-125771-5), MW-12 (480-125771-6), (480-125771-A-6 MS) and (480-125771-A-6 MSD). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Job ID: 480-125771-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-125771-3) and MW-12 (480-125771-6). 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.

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-2

Lab Sample ID: 480-125771-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	500		500	150	ug/L	500		8260C	Total/NA
Vinyl chloride	45000		500	450	ug/L	500		8260C	Total/NA
cis-1,2-Dichloroethene - DL	130000		2000	1600	ug/L	2000		8260C	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 480-125771-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	920		20	16	ug/L	20		8260C	Total/NA
Trichloroethene - DL	2300		400	180	ug/L	400		8260C	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 480-125771-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - DL	34000		1000	460	ug/L	1000		8260C	Total/NA

Client Sample ID: MW-9R

Lab Sample ID: 480-125771-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	38		25	7.3	ug/L	25		8260C	Total/NA
trans-1,2-Dichloroethene	61		25	23	ug/L	25		8260C	Total/NA
Vinyl chloride	1000	F1	25	23	ug/L	25		8260C	Total/NA
cis-1,2-Dichloroethene - DL	6500		200	160	ug/L	200		8260C	Total/NA
Trichloroethene - DL	10000		200	92	ug/L	200		8260C	Total/NA

Client Sample ID: MW-11R

Lab Sample ID: 480-125771-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.6	J	5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	440		5.0	4.1	ug/L	5		8260C	Total/NA
Vinyl chloride	5.5		5.0	4.5	ug/L	5		8260C	Total/NA
Trichloroethene - DL	3000		50	23	ug/L	50		8260C	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 480-125771-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		25	20	ug/L	25		8260C	Total/NA
Trichloroethene - DL	5400		100	46	ug/L	100		8260C	Total/NA

Client Sample ID: MW-13

Lab Sample ID: 480-125771-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1000		200	160	ug/L	200		8260C	Total/NA
Trichloroethene - DL	22000	F1	500	230	ug/L	500		8260C	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 480-125771-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1500		50	41	ug/L	50		8260C	Total/NA
Trichloroethene - DL	8700		200	92	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: DUP

Lab Sample ID: 480-125771-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6600		200	160	ug/L	200		8260C	Total/NA
Trichloroethene	11000		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride	970		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-125771-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.4	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-2
Date Collected: 10/10/17 13:25
Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	410	ug/L			10/20/17 18:40	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			10/20/17 18:40	500
1,1,2-Trichloroethane	ND		500	120	ug/L			10/20/17 18:40	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			10/20/17 18:40	500
1,1-Dichloroethane	ND		500	190	ug/L			10/20/17 18:40	500
1,1-Dichloroethene	500		500	150	ug/L			10/20/17 18:40	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			10/20/17 18:40	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			10/20/17 18:40	500
1,2-Dichlorobenzene	ND		500	400	ug/L			10/20/17 18:40	500
1,2-Dichloroethane	ND	*	500	110	ug/L			10/20/17 18:40	500
1,2-Dichloropropane	ND		500	360	ug/L			10/20/17 18:40	500
1,3-Dichlorobenzene	ND		500	390	ug/L			10/20/17 18:40	500
1,4-Dichlorobenzene	ND		500	420	ug/L			10/20/17 18:40	500
2-Butanone (MEK)	ND		5000	660	ug/L			10/20/17 18:40	500
2-Hexanone	ND	*	2500	620	ug/L			10/20/17 18:40	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			10/20/17 18:40	500
Acetone	ND	*	5000	1500	ug/L			10/20/17 18:40	500
Benzene	ND		500	210	ug/L			10/20/17 18:40	500
Bromodichloromethane	ND		500	200	ug/L			10/20/17 18:40	500
Bromoform	ND		500	130	ug/L			10/20/17 18:40	500
Bromomethane	ND		500	350	ug/L			10/20/17 18:40	500
Carbon disulfide	ND		500	95	ug/L			10/20/17 18:40	500
Carbon tetrachloride	ND		500	140	ug/L			10/20/17 18:40	500
Chlorobenzene	ND		500	380	ug/L			10/20/17 18:40	500
Dibromochloromethane	ND		500	160	ug/L			10/20/17 18:40	500
Chloroethane	ND		500	160	ug/L			10/20/17 18:40	500
Chloroform	ND		500	170	ug/L			10/20/17 18:40	500
Chloromethane	ND		500	180	ug/L			10/20/17 18:40	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			10/20/17 18:40	500
Cyclohexane	ND		500	90	ug/L			10/20/17 18:40	500
Dichlorodifluoromethane	ND		500	340	ug/L			10/20/17 18:40	500
Ethylbenzene	ND		500	370	ug/L			10/20/17 18:40	500
1,2-Dibromoethane	ND		500	370	ug/L			10/20/17 18:40	500
Isopropylbenzene	ND		500	400	ug/L			10/20/17 18:40	500
Methyl acetate	ND		1300	650	ug/L			10/20/17 18:40	500
Methyl tert-butyl ether	ND		500	80	ug/L			10/20/17 18:40	500
Methylcyclohexane	ND		500	80	ug/L			10/20/17 18:40	500
Methylene Chloride	ND		500	220	ug/L			10/20/17 18:40	500
Styrene	ND		500	370	ug/L			10/20/17 18:40	500
Tetrachloroethene	ND		500	180	ug/L			10/20/17 18:40	500
Toluene	ND		500	260	ug/L			10/20/17 18:40	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			10/20/17 18:40	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			10/20/17 18:40	500
Trichloroethene	ND		500	230	ug/L			10/20/17 18:40	500
Trichlorofluoromethane	ND		500	440	ug/L			10/20/17 18:40	500
Vinyl chloride	45000		500	450	ug/L			10/20/17 18:40	500
Xylenes, Total	ND		1000	330	ug/L			10/20/17 18:40	500

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-2

Date Collected: 10/10/17 13:25

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		10/20/17 18:40	500
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		10/20/17 18:40	500
4-Bromofluorobenzene (Surr)	89		73 - 120		10/20/17 18:40	500
Dibromofluoromethane (Surr)	87		75 - 123		10/20/17 18:40	500

Method: 8260C - Volatile Organic Compounds by GC/MS - DL									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	130000		2000	1600	ug/L	-		10/21/17 21:39	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		10/21/17 21:39	2000
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		10/21/17 21:39	2000
4-Bromofluorobenzene (Surr)	93		73 - 120		10/21/17 21:39	2000
Dibromofluoromethane (Surr)	91		75 - 123		10/21/17 21:39	2000

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-3
Date Collected: 10/10/17 16:10
Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/20/17 19:07	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/20/17 19:07	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/20/17 19:07	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/20/17 19:07	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/20/17 19:07	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/20/17 19:07	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/20/17 19:07	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/20/17 19:07	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/20/17 19:07	20
1,2-Dichloroethane	ND	*	20	4.2	ug/L			10/20/17 19:07	20
1,2-Dichloropropane	ND		20	14	ug/L			10/20/17 19:07	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/20/17 19:07	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/20/17 19:07	20
2-Butanone (MEK)	ND		200	26	ug/L			10/20/17 19:07	20
2-Hexanone	ND	*	100	25	ug/L			10/20/17 19:07	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/20/17 19:07	20
Acetone	ND	*	200	60	ug/L			10/20/17 19:07	20
Benzene	ND		20	8.2	ug/L			10/20/17 19:07	20
Bromodichloromethane	ND		20	7.8	ug/L			10/20/17 19:07	20
Bromoform	ND		20	5.2	ug/L			10/20/17 19:07	20
Bromomethane	ND		20	14	ug/L			10/20/17 19:07	20
Carbon disulfide	ND		20	3.8	ug/L			10/20/17 19:07	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/20/17 19:07	20
Chlorobenzene	ND		20	15	ug/L			10/20/17 19:07	20
Dibromochloromethane	ND		20	6.4	ug/L			10/20/17 19:07	20
Chloroethane	ND		20	6.4	ug/L			10/20/17 19:07	20
Chloroform	ND		20	6.8	ug/L			10/20/17 19:07	20
Chloromethane	ND		20	7.0	ug/L			10/20/17 19:07	20
cis-1,2-Dichloroethene	920		20	16	ug/L			10/20/17 19:07	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/20/17 19:07	20
Cyclohexane	ND		20	3.6	ug/L			10/20/17 19:07	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/20/17 19:07	20
Ethylbenzene	ND		20	15	ug/L			10/20/17 19:07	20
1,2-Dibromoethane	ND		20	15	ug/L			10/20/17 19:07	20
Isopropylbenzene	ND		20	16	ug/L			10/20/17 19:07	20
Methyl acetate	ND		50	26	ug/L			10/20/17 19:07	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/20/17 19:07	20
Methylcyclohexane	ND		20	3.2	ug/L			10/20/17 19:07	20
Methylene Chloride	ND		20	8.8	ug/L			10/20/17 19:07	20
Styrene	ND		20	15	ug/L			10/20/17 19:07	20
Tetrachloroethene	ND		20	7.2	ug/L			10/20/17 19:07	20
Toluene	ND		20	10	ug/L			10/20/17 19:07	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/20/17 19:07	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/20/17 19:07	20
Trichlorofluoromethane	ND		20	18	ug/L			10/20/17 19:07	20
Vinyl chloride	ND		20	18	ug/L			10/20/17 19:07	20
Xylenes, Total	ND		40	13	ug/L			10/20/17 19:07	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-3

Date Collected: 10/10/17 16:10

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		10/20/17 19:07	20
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/20/17 19:07	20
4-Bromofluorobenzene (Surr)	88		73 - 120		10/20/17 19:07	20
Dibromofluoromethane (Surr)	83		75 - 123		10/20/17 19:07	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	2300		400	180	ug/L	-		10/21/17 22:05	400

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-4
Date Collected: 10/11/17 12:30
Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	210	ug/L			10/23/17 16:05	250
1,1,2,2-Tetrachloroethane	ND		250	53	ug/L			10/23/17 16:05	250
1,1,2-Trichloroethane	ND		250	58	ug/L			10/23/17 16:05	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	78	ug/L			10/23/17 16:05	250
1,1-Dichloroethane	ND		250	95	ug/L			10/23/17 16:05	250
1,1-Dichloroethene	ND		250	73	ug/L			10/23/17 16:05	250
1,2,4-Trichlorobenzene	ND		250	100	ug/L			10/23/17 16:05	250
1,2-Dibromo-3-Chloropropane	ND		250	98	ug/L			10/23/17 16:05	250
1,2-Dichlorobenzene	ND		250	200	ug/L			10/23/17 16:05	250
1,2-Dichloroethane	ND		250	53	ug/L			10/23/17 16:05	250
1,2-Dichloropropane	ND		250	180	ug/L			10/23/17 16:05	250
1,3-Dichlorobenzene	ND		250	200	ug/L			10/23/17 16:05	250
1,4-Dichlorobenzene	ND		250	210	ug/L			10/23/17 16:05	250
2-Butanone (MEK)	ND		2500	330	ug/L			10/23/17 16:05	250
2-Hexanone	ND		1300	310	ug/L			10/23/17 16:05	250
4-Methyl-2-pentanone (MIBK)	ND		1300	530	ug/L			10/23/17 16:05	250
Acetone	ND		2500	750	ug/L			10/23/17 16:05	250
Benzene	ND		250	100	ug/L			10/23/17 16:05	250
Bromodichloromethane	ND		250	98	ug/L			10/23/17 16:05	250
Bromoform	ND		250	65	ug/L			10/23/17 16:05	250
Bromomethane	ND		250	170	ug/L			10/23/17 16:05	250
Carbon disulfide	ND		250	48	ug/L			10/23/17 16:05	250
Carbon tetrachloride	ND		250	68	ug/L			10/23/17 16:05	250
Chlorobenzene	ND		250	190	ug/L			10/23/17 16:05	250
Dibromochloromethane	ND		250	80	ug/L			10/23/17 16:05	250
Chloroethane	ND		250	80	ug/L			10/23/17 16:05	250
Chloroform	ND		250	85	ug/L			10/23/17 16:05	250
Chloromethane	ND		250	88	ug/L			10/23/17 16:05	250
cis-1,2-Dichloroethene	ND		250	200	ug/L			10/23/17 16:05	250
cis-1,3-Dichloropropene	ND		250	90	ug/L			10/23/17 16:05	250
Cyclohexane	ND		250	45	ug/L			10/23/17 16:05	250
Dichlorodifluoromethane	ND		250	170	ug/L			10/23/17 16:05	250
Ethylbenzene	ND		250	190	ug/L			10/23/17 16:05	250
1,2-Dibromoethane	ND		250	180	ug/L			10/23/17 16:05	250
Isopropylbenzene	ND		250	200	ug/L			10/23/17 16:05	250
Methyl acetate	ND		630	330	ug/L			10/23/17 16:05	250
Methyl tert-butyl ether	ND		250	40	ug/L			10/23/17 16:05	250
Methylcyclohexane	ND		250	40	ug/L			10/23/17 16:05	250
Methylene Chloride	ND		250	110	ug/L			10/23/17 16:05	250
Styrene	ND		250	180	ug/L			10/23/17 16:05	250
Tetrachloroethene	ND		250	90	ug/L			10/23/17 16:05	250
Toluene	ND		250	130	ug/L			10/23/17 16:05	250
trans-1,2-Dichloroethene	ND		250	230	ug/L			10/23/17 16:05	250
trans-1,3-Dichloropropene	ND		250	93	ug/L			10/23/17 16:05	250
Trichlorofluoromethane	ND		250	220	ug/L			10/23/17 16:05	250
Vinyl chloride	ND		250	230	ug/L			10/23/17 16:05	250
Xylenes, Total	ND		500	170	ug/L			10/23/17 16:05	250

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-4

Date Collected: 10/11/17 12:30

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/23/17 16:05	250
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		10/23/17 16:05	250
4-Bromofluorobenzene (Surr)	98		73 - 120		10/23/17 16:05	250
Dibromofluoromethane (Surr)	105		75 - 123		10/23/17 16:05	250

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	34000		1000	460	ug/L	-		10/24/17 13:19	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		10/24/17 13:19	1000
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/24/17 13:19	1000
4-Bromofluorobenzene (Surr)	96		73 - 120		10/24/17 13:19	1000
Dibromofluoromethane (Surr)	103		75 - 123		10/24/17 13:19	1000

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-9R

Date Collected: 10/10/17 15:00

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	21	ug/L			10/20/17 19:34	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			10/20/17 19:34	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			10/20/17 19:34	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			10/20/17 19:34	25
1,1-Dichloroethane	ND		25	9.5	ug/L			10/20/17 19:34	25
1,1-Dichloroethene	38		25	7.3	ug/L			10/20/17 19:34	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			10/20/17 19:34	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			10/20/17 19:34	25
1,2-Dichlorobenzene	ND		25	20	ug/L			10/20/17 19:34	25
1,2-Dichloroethane	ND	* F1	25	5.3	ug/L			10/20/17 19:34	25
1,2-Dichloropropane	ND		25	18	ug/L			10/20/17 19:34	25
1,3-Dichlorobenzene	ND		25	20	ug/L			10/20/17 19:34	25
1,4-Dichlorobenzene	ND		25	21	ug/L			10/20/17 19:34	25
2-Butanone (MEK)	ND		250	33	ug/L			10/20/17 19:34	25
2-Hexanone	ND	* F1	130	31	ug/L			10/20/17 19:34	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			10/20/17 19:34	25
Acetone	ND	*	250	75	ug/L			10/20/17 19:34	25
Benzene	ND		25	10	ug/L			10/20/17 19:34	25
Bromodichloromethane	ND		25	9.8	ug/L			10/20/17 19:34	25
Bromoform	ND		25	6.5	ug/L			10/20/17 19:34	25
Bromomethane	ND		25	17	ug/L			10/20/17 19:34	25
Carbon disulfide	ND		25	4.8	ug/L			10/20/17 19:34	25
Carbon tetrachloride	ND		25	6.8	ug/L			10/20/17 19:34	25
Chlorobenzene	ND		25	19	ug/L			10/20/17 19:34	25
Dibromochloromethane	ND		25	8.0	ug/L			10/20/17 19:34	25
Chloroethane	ND		25	8.0	ug/L			10/20/17 19:34	25
Chloroform	ND		25	8.5	ug/L			10/20/17 19:34	25
Chloromethane	ND		25	8.8	ug/L			10/20/17 19:34	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			10/20/17 19:34	25
Cyclohexane	ND	F1	25	4.5	ug/L			10/20/17 19:34	25
Dichlorodifluoromethane	ND		25	17	ug/L			10/20/17 19:34	25
Ethylbenzene	ND		25	19	ug/L			10/20/17 19:34	25
1,2-Dibromoethane	ND		25	18	ug/L			10/20/17 19:34	25
Isopropylbenzene	ND		25	20	ug/L			10/20/17 19:34	25
Methyl acetate	ND		63	33	ug/L			10/20/17 19:34	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			10/20/17 19:34	25
Methylcyclohexane	ND		25	4.0	ug/L			10/20/17 19:34	25
Methylene Chloride	ND		25	11	ug/L			10/20/17 19:34	25
Styrene	ND		25	18	ug/L			10/20/17 19:34	25
Tetrachloroethene	ND		25	9.0	ug/L			10/20/17 19:34	25
Toluene	ND		25	13	ug/L			10/20/17 19:34	25
trans-1,2-Dichloroethene	61		25	23	ug/L			10/20/17 19:34	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			10/20/17 19:34	25
Trichlorofluoromethane	ND		25	22	ug/L			10/20/17 19:34	25
Vinyl chloride	1000	F1	25	23	ug/L			10/20/17 19:34	25
Xylenes, Total	ND		50	17	ug/L			10/20/17 19:34	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120		10/20/17 19:34	25

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-9R

Date Collected: 10/10/17 15:00

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-4

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		10/20/17 19:34	25
4-Bromofluorobenzene (Surr)	89		73 - 120		10/20/17 19:34	25
Dibromofluoromethane (Surr)	89		75 - 123		10/20/17 19:34	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	6500		200	160	ug/L			10/21/17 22:32	200
Trichloroethene	10000		200	92	ug/L			10/21/17 22:32	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		10/21/17 22:32	200
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		10/21/17 22:32	200
4-Bromofluorobenzene (Surr)	89		73 - 120		10/21/17 22:32	200
Dibromofluoromethane (Surr)	96		75 - 123		10/21/17 22:32	200

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-11R

Date Collected: 10/11/17 14:40

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/23/17 16:29	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/23/17 16:29	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/23/17 16:29	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/23/17 16:29	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/23/17 16:29	5
1,1-Dichloroethene	2.6	J	5.0	1.5	ug/L			10/23/17 16:29	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/23/17 16:29	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/23/17 16:29	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/23/17 16:29	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/23/17 16:29	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/23/17 16:29	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/23/17 16:29	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/23/17 16:29	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/23/17 16:29	5
2-Hexanone	ND		25	6.2	ug/L			10/23/17 16:29	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/23/17 16:29	5
Acetone	ND		50	15	ug/L			10/23/17 16:29	5
Benzene	ND		5.0	2.1	ug/L			10/23/17 16:29	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/23/17 16:29	5
Bromoform	ND		5.0	1.3	ug/L			10/23/17 16:29	5
Bromomethane	ND		5.0	3.5	ug/L			10/23/17 16:29	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/23/17 16:29	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/23/17 16:29	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/23/17 16:29	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/23/17 16:29	5
Chloroethane	ND		5.0	1.6	ug/L			10/23/17 16:29	5
Chloroform	ND		5.0	1.7	ug/L			10/23/17 16:29	5
Chloromethane	ND		5.0	1.8	ug/L			10/23/17 16:29	5
cis-1,2-Dichloroethene	440		5.0	4.1	ug/L			10/23/17 16:29	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/23/17 16:29	5
Cyclohexane	ND		5.0	0.90	ug/L			10/23/17 16:29	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/23/17 16:29	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/23/17 16:29	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/23/17 16:29	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/23/17 16:29	5
Methyl acetate	ND		13	6.5	ug/L			10/23/17 16:29	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/23/17 16:29	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/23/17 16:29	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/23/17 16:29	5
Styrene	ND		5.0	3.7	ug/L			10/23/17 16:29	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/23/17 16:29	5
Toluene	ND		5.0	2.6	ug/L			10/23/17 16:29	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/23/17 16:29	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/23/17 16:29	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/23/17 16:29	5
Vinyl chloride	5.5		5.0	4.5	ug/L			10/23/17 16:29	5
Xylenes, Total	ND		10	3.3	ug/L			10/23/17 16:29	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-11R

Date Collected: 10/11/17 14:40

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-5

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		10/23/17 16:29	5
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/23/17 16:29	5
4-Bromofluorobenzene (Surr)	96		73 - 120		10/23/17 16:29	5
Dibromofluoromethane (Surr)	103		75 - 123		10/23/17 16:29	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	3000		50	23	ug/L	-		10/23/17 22:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/23/17 22:18	50
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/23/17 22:18	50
4-Bromofluorobenzene (Surr)	97		73 - 120		10/23/17 22:18	50
Dibromofluoromethane (Surr)	106		75 - 123		10/23/17 22:18	50

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-12

Date Collected: 10/12/17 08:25

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	21	ug/L			10/23/17 22:42	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			10/23/17 22:42	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			10/23/17 22:42	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			10/23/17 22:42	25
1,1-Dichloroethane	ND		25	9.5	ug/L			10/23/17 22:42	25
1,1-Dichloroethene	ND		25	7.3	ug/L			10/23/17 22:42	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			10/23/17 22:42	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			10/23/17 22:42	25
1,2-Dichlorobenzene	ND		25	20	ug/L			10/23/17 22:42	25
1,2-Dichloroethane	ND		25	5.3	ug/L			10/23/17 22:42	25
1,2-Dichloropropane	ND		25	18	ug/L			10/23/17 22:42	25
1,3-Dichlorobenzene	ND		25	20	ug/L			10/23/17 22:42	25
1,4-Dichlorobenzene	ND		25	21	ug/L			10/23/17 22:42	25
2-Butanone (MEK)	ND		250	33	ug/L			10/23/17 22:42	25
2-Hexanone	ND		130	31	ug/L			10/23/17 22:42	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			10/23/17 22:42	25
Acetone	ND		250	75	ug/L			10/23/17 22:42	25
Benzene	ND		25	10	ug/L			10/23/17 22:42	25
Bromodichloromethane	ND		25	9.8	ug/L			10/23/17 22:42	25
Bromoform	ND		25	6.5	ug/L			10/23/17 22:42	25
Bromomethane	ND		25	17	ug/L			10/23/17 22:42	25
Carbon disulfide	ND		25	4.8	ug/L			10/23/17 22:42	25
Carbon tetrachloride	ND		25	6.8	ug/L			10/23/17 22:42	25
Chlorobenzene	ND		25	19	ug/L			10/23/17 22:42	25
Dibromochloromethane	ND		25	8.0	ug/L			10/23/17 22:42	25
Chloroethane	ND		25	8.0	ug/L			10/23/17 22:42	25
Chloroform	ND		25	8.5	ug/L			10/23/17 22:42	25
Chloromethane	ND		25	8.8	ug/L			10/23/17 22:42	25
cis-1,2-Dichloroethene	140		25	20	ug/L			10/23/17 22:42	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			10/23/17 22:42	25
Cyclohexane	ND		25	4.5	ug/L			10/23/17 22:42	25
Dichlorodifluoromethane	ND		25	17	ug/L			10/23/17 22:42	25
Ethylbenzene	ND		25	19	ug/L			10/23/17 22:42	25
1,2-Dibromoethane	ND		25	18	ug/L			10/23/17 22:42	25
Isopropylbenzene	ND		25	20	ug/L			10/23/17 22:42	25
Methyl acetate	ND		63	33	ug/L			10/23/17 22:42	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			10/23/17 22:42	25
Methylcyclohexane	ND		25	4.0	ug/L			10/23/17 22:42	25
Methylene Chloride	ND		25	11	ug/L			10/23/17 22:42	25
Styrene	ND		25	18	ug/L			10/23/17 22:42	25
Tetrachloroethene	ND		25	9.0	ug/L			10/23/17 22:42	25
Toluene	ND		25	13	ug/L			10/23/17 22:42	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			10/23/17 22:42	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			10/23/17 22:42	25
Trichlorofluoromethane	ND		25	22	ug/L			10/23/17 22:42	25
Vinyl chloride	ND		25	23	ug/L			10/23/17 22:42	25
Xylenes, Total	ND		50	17	ug/L			10/23/17 22:42	25

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-12

Date Collected: 10/12/17 08:25

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-6

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/23/17 22:42	25
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/23/17 22:42	25
4-Bromofluorobenzene (Surr)	95		73 - 120		10/23/17 22:42	25
Dibromofluoromethane (Surr)	102		75 - 123		10/23/17 22:42	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5400		100	46	ug/L			10/24/17 13:43	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		10/24/17 13:43	100
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/24/17 13:43	100
4-Bromofluorobenzene (Surr)	95		73 - 120		10/24/17 13:43	100
Dibromofluoromethane (Surr)	104		75 - 123		10/24/17 13:43	100

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-13

Date Collected: 10/11/17 10:15

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			10/22/17 18:40	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			10/22/17 18:40	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/22/17 18:40	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			10/22/17 18:40	200
1,1-Dichloroethane	ND		200	76	ug/L			10/22/17 18:40	200
1,1-Dichloroethene	ND		200	58	ug/L			10/22/17 18:40	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			10/22/17 18:40	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/22/17 18:40	200
1,2-Dichlorobenzene	ND		200	160	ug/L			10/22/17 18:40	200
1,2-Dichloroethane	ND	* F1	200	42	ug/L			10/22/17 18:40	200
1,2-Dichloropropane	ND		200	140	ug/L			10/22/17 18:40	200
1,3-Dichlorobenzene	ND		200	160	ug/L			10/22/17 18:40	200
1,4-Dichlorobenzene	ND		200	170	ug/L			10/22/17 18:40	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/22/17 18:40	200
2-Hexanone	ND	* F1	1000	250	ug/L			10/22/17 18:40	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/22/17 18:40	200
Acetone	ND		2000	600	ug/L			10/22/17 18:40	200
Benzene	ND		200	82	ug/L			10/22/17 18:40	200
Bromodichloromethane	ND		200	78	ug/L			10/22/17 18:40	200
Bromoform	ND		200	52	ug/L			10/22/17 18:40	200
Bromomethane	ND		200	140	ug/L			10/22/17 18:40	200
Carbon disulfide	ND		200	38	ug/L			10/22/17 18:40	200
Carbon tetrachloride	ND		200	54	ug/L			10/22/17 18:40	200
Chlorobenzene	ND		200	150	ug/L			10/22/17 18:40	200
Dibromochloromethane	ND		200	64	ug/L			10/22/17 18:40	200
Chloroethane	ND		200	64	ug/L			10/22/17 18:40	200
Chloroform	ND		200	68	ug/L			10/22/17 18:40	200
Chloromethane	ND		200	70	ug/L			10/22/17 18:40	200
cis-1,2-Dichloroethene	1000		200	160	ug/L			10/22/17 18:40	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/22/17 18:40	200
Cyclohexane	ND	*	200	36	ug/L			10/22/17 18:40	200
Dichlorodifluoromethane	ND	F1 F2	200	140	ug/L			10/22/17 18:40	200
Ethylbenzene	ND		200	150	ug/L			10/22/17 18:40	200
1,2-Dibromoethane	ND		200	150	ug/L			10/22/17 18:40	200
Isopropylbenzene	ND		200	160	ug/L			10/22/17 18:40	200
Methyl acetate	ND		500	260	ug/L			10/22/17 18:40	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/22/17 18:40	200
Methylcyclohexane	ND	F1 F2	200	32	ug/L			10/22/17 18:40	200
Methylene Chloride	ND		200	88	ug/L			10/22/17 18:40	200
Styrene	ND		200	150	ug/L			10/22/17 18:40	200
Tetrachloroethene	ND	*	200	72	ug/L			10/22/17 18:40	200
Toluene	ND		200	100	ug/L			10/22/17 18:40	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/22/17 18:40	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/22/17 18:40	200
Trichlorofluoromethane	ND		200	180	ug/L			10/22/17 18:40	200
Vinyl chloride	ND		200	180	ug/L			10/22/17 18:40	200
Xylenes, Total	ND		400	130	ug/L			10/22/17 18:40	200

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-13

Date Collected: 10/11/17 10:15

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-7

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120		10/22/17 18:40	200
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		10/22/17 18:40	200
4-Bromofluorobenzene (Surr)	91		73 - 120		10/22/17 18:40	200
Dibromofluoromethane (Surr)	92		75 - 123		10/22/17 18:40	200

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	22000	F1	500	230	ug/L			10/23/17 22:19	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/23/17 22:19	500
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		10/23/17 22:19	500
4-Bromofluorobenzene (Surr)	99		73 - 120		10/23/17 22:19	500
Dibromofluoromethane (Surr)	105		75 - 123		10/23/17 22:19	500

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-14

Date Collected: 10/11/17 08:55

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			10/22/17 19:07	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			10/22/17 19:07	50
1,1,2-Trichloroethane	ND		50	12	ug/L			10/22/17 19:07	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			10/22/17 19:07	50
1,1-Dichloroethane	ND		50	19	ug/L			10/22/17 19:07	50
1,1-Dichloroethene	ND		50	15	ug/L			10/22/17 19:07	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			10/22/17 19:07	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			10/22/17 19:07	50
1,2-Dichlorobenzene	ND		50	40	ug/L			10/22/17 19:07	50
1,2-Dichloroethane	ND	*	50	11	ug/L			10/22/17 19:07	50
1,2-Dichloropropane	ND		50	36	ug/L			10/22/17 19:07	50
1,3-Dichlorobenzene	ND		50	39	ug/L			10/22/17 19:07	50
1,4-Dichlorobenzene	ND		50	42	ug/L			10/22/17 19:07	50
2-Butanone (MEK)	ND		500	66	ug/L			10/22/17 19:07	50
2-Hexanone	ND	*	250	62	ug/L			10/22/17 19:07	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			10/22/17 19:07	50
Acetone	ND		500	150	ug/L			10/22/17 19:07	50
Benzene	ND		50	21	ug/L			10/22/17 19:07	50
Bromodichloromethane	ND		50	20	ug/L			10/22/17 19:07	50
Bromoform	ND		50	13	ug/L			10/22/17 19:07	50
Bromomethane	ND		50	35	ug/L			10/22/17 19:07	50
Carbon disulfide	ND		50	9.5	ug/L			10/22/17 19:07	50
Carbon tetrachloride	ND		50	14	ug/L			10/22/17 19:07	50
Chlorobenzene	ND		50	38	ug/L			10/22/17 19:07	50
Dibromochloromethane	ND		50	16	ug/L			10/22/17 19:07	50
Chloroethane	ND		50	16	ug/L			10/22/17 19:07	50
Chloroform	ND		50	17	ug/L			10/22/17 19:07	50
Chloromethane	ND		50	18	ug/L			10/22/17 19:07	50
cis-1,2-Dichloroethene	1500		50	41	ug/L			10/22/17 19:07	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			10/22/17 19:07	50
Cyclohexane	ND	*	50	9.0	ug/L			10/22/17 19:07	50
Dichlorodifluoromethane	ND		50	34	ug/L			10/22/17 19:07	50
Ethylbenzene	ND		50	37	ug/L			10/22/17 19:07	50
1,2-Dibromoethane	ND		50	37	ug/L			10/22/17 19:07	50
Isopropylbenzene	ND		50	40	ug/L			10/22/17 19:07	50
Methyl acetate	ND		130	65	ug/L			10/22/17 19:07	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			10/22/17 19:07	50
Methylcyclohexane	ND		50	8.0	ug/L			10/22/17 19:07	50
Methylene Chloride	ND		50	22	ug/L			10/22/17 19:07	50
Styrene	ND		50	37	ug/L			10/22/17 19:07	50
Tetrachloroethene	ND	*	50	18	ug/L			10/22/17 19:07	50
Toluene	ND		50	26	ug/L			10/22/17 19:07	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			10/22/17 19:07	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			10/22/17 19:07	50
Trichlorofluoromethane	ND		50	44	ug/L			10/22/17 19:07	50
Vinyl chloride	ND		50	45	ug/L			10/22/17 19:07	50
Xylenes, Total	ND		100	33	ug/L			10/22/17 19:07	50

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-14

Date Collected: 10/11/17 08:55

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-8

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		10/22/17 19:07	50
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		10/22/17 19:07	50
4-Bromofluorobenzene (Surr)	90		73 - 120		10/22/17 19:07	50
Dibromofluoromethane (Surr)	93		75 - 123		10/22/17 19:07	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	8700		200	92	ug/L	-		10/23/17 22:42	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/23/17 22:42	200
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		10/23/17 22:42	200
4-Bromofluorobenzene (Surr)	98		73 - 120		10/23/17 22:42	200
Dibromofluoromethane (Surr)	102		75 - 123		10/23/17 22:42	200

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: DUP

Date Collected: 10/10/17 00:00

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			10/21/17 22:59	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			10/21/17 22:59	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/21/17 22:59	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			10/21/17 22:59	200
1,1-Dichloroethane	ND		200	76	ug/L			10/21/17 22:59	200
1,1-Dichloroethene	ND		200	58	ug/L			10/21/17 22:59	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			10/21/17 22:59	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/21/17 22:59	200
1,2-Dichlorobenzene	ND		200	160	ug/L			10/21/17 22:59	200
1,2-Dichloroethane	ND		200	42	ug/L			10/21/17 22:59	200
1,2-Dichloropropane	ND		200	140	ug/L			10/21/17 22:59	200
1,3-Dichlorobenzene	ND		200	160	ug/L			10/21/17 22:59	200
1,4-Dichlorobenzene	ND		200	170	ug/L			10/21/17 22:59	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/21/17 22:59	200
2-Hexanone	ND		1000	250	ug/L			10/21/17 22:59	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/21/17 22:59	200
Acetone	ND		2000	600	ug/L			10/21/17 22:59	200
Benzene	ND		200	82	ug/L			10/21/17 22:59	200
Bromodichloromethane	ND		200	78	ug/L			10/21/17 22:59	200
Bromoform	ND		200	52	ug/L			10/21/17 22:59	200
Bromomethane	ND		200	140	ug/L			10/21/17 22:59	200
Carbon disulfide	ND		200	38	ug/L			10/21/17 22:59	200
Carbon tetrachloride	ND		200	54	ug/L			10/21/17 22:59	200
Chlorobenzene	ND		200	150	ug/L			10/21/17 22:59	200
Dibromochloromethane	ND		200	64	ug/L			10/21/17 22:59	200
Chloroethane	ND		200	64	ug/L			10/21/17 22:59	200
Chloroform	ND		200	68	ug/L			10/21/17 22:59	200
Chloromethane	ND		200	70	ug/L			10/21/17 22:59	200
cis-1,2-Dichloroethene	6600		200	160	ug/L			10/21/17 22:59	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/21/17 22:59	200
Cyclohexane	ND		200	36	ug/L			10/21/17 22:59	200
Dichlorodifluoromethane	ND		200	140	ug/L			10/21/17 22:59	200
Ethylbenzene	ND		200	150	ug/L			10/21/17 22:59	200
1,2-Dibromoethane	ND		200	150	ug/L			10/21/17 22:59	200
Isopropylbenzene	ND		200	160	ug/L			10/21/17 22:59	200
Methyl acetate	ND		500	260	ug/L			10/21/17 22:59	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/21/17 22:59	200
Methylcyclohexane	ND		200	32	ug/L			10/21/17 22:59	200
Methylene Chloride	ND		200	88	ug/L			10/21/17 22:59	200
Styrene	ND		200	150	ug/L			10/21/17 22:59	200
Tetrachloroethene	ND		200	72	ug/L			10/21/17 22:59	200
Toluene	ND		200	100	ug/L			10/21/17 22:59	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/21/17 22:59	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/21/17 22:59	200
Trichloroethene	11000		200	92	ug/L			10/21/17 22:59	200
Trichlorofluoromethane	ND		200	180	ug/L			10/21/17 22:59	200
Vinyl chloride	970		200	180	ug/L			10/21/17 22:59	200
Xylenes, Total	ND		400	130	ug/L			10/21/17 22:59	200

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: DUP

Date Collected: 10/10/17 00:00

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-9

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	87		80 - 120		10/21/17 22:59	200
<i>1,2-Dichloroethane-d4 (Surr)</i>	110		77 - 120		10/21/17 22:59	200
<i>4-Bromofluorobenzene (Surr)</i>	92		73 - 120		10/21/17 22:59	200
<i>Dibromofluoromethane (Surr)</i>	89		75 - 123		10/21/17 22:59	200

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-125771-10

Date Collected: 10/11/17 00:00

Matrix: Water

Date Received: 10/12/17 12:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/23/17 16:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/23/17 16:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/23/17 16:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/23/17 16:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/23/17 16:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/23/17 16:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/23/17 16:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/23/17 16:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/23/17 16:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/23/17 16:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/23/17 16:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/23/17 16:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/23/17 16:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/23/17 16:52	1
2-Hexanone	ND		5.0	1.2	ug/L			10/23/17 16:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/23/17 16:52	1
Acetone	4.4	J	10	3.0	ug/L			10/23/17 16:52	1
Benzene	ND		1.0	0.41	ug/L			10/23/17 16:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/23/17 16:52	1
Bromoform	ND		1.0	0.26	ug/L			10/23/17 16:52	1
Bromomethane	ND		1.0	0.69	ug/L			10/23/17 16:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/23/17 16:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/23/17 16:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/23/17 16:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/23/17 16:52	1
Chloroethane	ND		1.0	0.32	ug/L			10/23/17 16:52	1
Chloroform	ND		1.0	0.34	ug/L			10/23/17 16:52	1
Chloromethane	ND		1.0	0.35	ug/L			10/23/17 16:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/23/17 16:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/23/17 16:52	1
Cyclohexane	ND		1.0	0.18	ug/L			10/23/17 16:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/23/17 16:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/23/17 16:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/23/17 16:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/23/17 16:52	1
Methyl acetate	ND		2.5	1.3	ug/L			10/23/17 16:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/23/17 16:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/23/17 16:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/23/17 16:52	1
Styrene	ND		1.0	0.73	ug/L			10/23/17 16:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/23/17 16:52	1
Toluene	ND		1.0	0.51	ug/L			10/23/17 16:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/23/17 16:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/23/17 16:52	1
Trichloroethene	ND		1.0	0.46	ug/L			10/23/17 16:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/23/17 16:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/23/17 16:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/23/17 16:52	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-125771-10

Date Collected: 10/11/17 00:00

Matrix: Water

Date Received: 10/12/17 12:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		80 - 120		10/23/17 16:52	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	102		77 - 120		10/23/17 16:52	1
<i>4-Bromofluorobenzene (Surr)</i>	92		73 - 120		10/23/17 16:52	1
<i>Dibromofluoromethane (Surr)</i>	104		75 - 123		10/23/17 16:52	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	12DCE (77-120)	BFB (73-120)	DBFM (75-123)
480-125771-1	MW-2	87	107	89	87
480-125771-1 - DL	MW-2	90	108	93	91
480-125771-2	MW-3	89	101	88	83
480-125771-3	MW-4	98	98	98	105
480-125771-3 - DL	MW-4	97	97	96	103
480-125771-4	MW-9R	88	109	89	89
480-125771-4 - DL	MW-9R	90	115	89	96
480-125771-4 MS	MW-9R	89	107	92	89
480-125771-4 MSD	MW-9R	88	105	90	91
480-125771-5	MW-11R	97	100	96	103
480-125771-5 - DL	MW-11R	98	100	97	106
480-125771-6	MW-12	100	97	95	102
480-125771-6 - DL	MW-12	95	101	95	104
480-125771-6 MS	MW-12	100	98	97	104
480-125771-6 MSD	MW-12	101	93	99	101
480-125771-7	MW-13	88	113	91	92
480-125771-7 - DL	MW-13	103	96	99	105
480-125771-7 MS	MW-13	92	112	93	92
480-125771-7 MSD	MW-13	91	106	96	90
480-125771-8	MW-14	92	116	90	93
480-125771-8 - DL	MW-14	103	98	98	102
480-125771-9	DUP	87	110	92	89
480-125771-10	TRIP BLANK	99	102	92	104
LCS 480-382898/5	Lab Control Sample	87	101	87	83
LCS 480-383133/3	Lab Control Sample	93	107	93	89
LCS 480-383137/4	Lab Control Sample	92	109	94	90
LCS 480-383225/5	Lab Control Sample	98	96	103	100
LCS 480-383355/4	Lab Control Sample	98	91	95	99
LCS 480-383361/4	Lab Control Sample	106	99	104	106
LCS 480-383407/5	Lab Control Sample	99	93	100	93
MB 480-382898/7	Method Blank	86	110	88	91
MB 480-383133/5	Method Blank	88	106	89	88
MB 480-383137/6	Method Blank	89	111	92	90
MB 480-383225/7	Method Blank	99	94	97	97
MB 480-383355/6	Method Blank	98	103	94	105
MB 480-383361/6	Method Blank	105	97	100	101
MB 480-383407/7	Method Blank	94	101	97	105

Surrogate Legend

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

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: MB 480-382898/7

Matrix: Water

Analysis Batch: 382898

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			10/20/17 13:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/17 13:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/17 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/20/17 13:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/17 13:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/17 13:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/20/17 13:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/17 13:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/17 13:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/17 13:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/17 13:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/20/17 13:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/17 13:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/17 13:37	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/17 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/17 13:37	1
Acetone	ND		10	3.0	ug/L			10/20/17 13:37	1
Benzene	ND		1.0	0.41	ug/L			10/20/17 13:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/17 13:37	1
Bromoform	ND		1.0	0.26	ug/L			10/20/17 13:37	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/17 13:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/17 13:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/17 13:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/17 13:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/17 13:37	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/17 13:37	1
Chloroform	ND		1.0	0.34	ug/L			10/20/17 13:37	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/17 13:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/17 13:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/17 13:37	1
Cyclohexane	ND		1.0	0.18	ug/L			10/20/17 13:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/20/17 13:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/17 13:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/17 13:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/20/17 13:37	1
Methyl acetate	ND		2.5	1.3	ug/L			10/20/17 13:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/20/17 13:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/20/17 13:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/17 13:37	1
Styrene	ND		1.0	0.73	ug/L			10/20/17 13:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/17 13:37	1
Toluene	ND		1.0	0.51	ug/L			10/20/17 13:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/17 13:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/17 13:37	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/17 13:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/17 13:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/17 13:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/17 13:37	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	86		80 - 120		10/20/17 13:37	1
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		10/20/17 13:37	1
4-Bromofluorobenzene (Surr)	88		73 - 120		10/20/17 13:37	1
Dibromofluoromethane (Surr)	91		75 - 123		10/20/17 13:37	1

Lab Sample ID: LCS 480-382898/5

Matrix: Water

Analysis Batch: 382898

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	28.0		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.7		ug/L		87	76 - 120
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.2		ug/L		113	61 - 148
1,1-Dichloroethane	25.0	27.5		ug/L		110	77 - 120
1,1-Dichloroethene	25.0	24.1		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	25.0		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.8		ug/L		71	56 - 134
1,2-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	30.3	*	ug/L		121	75 - 120
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 120
2-Butanone (MEK)	125	160		ug/L		128	57 - 140
2-Hexanone	125	172	*	ug/L		138	65 - 127
4-Methyl-2-pentanone (MIBK)	125	141		ug/L		113	71 - 125
Acetone	125	198	*	ug/L		158	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	24.2		ug/L		97	80 - 122
Bromoform	25.0	20.9		ug/L		83	61 - 132
Bromomethane	25.0	24.2		ug/L		97	55 - 144
Carbon disulfide	25.0	22.5		ug/L		90	59 - 134
Carbon tetrachloride	25.0	25.7		ug/L		103	72 - 134
Chlorobenzene	25.0	25.6		ug/L		103	80 - 120
Dibromochloromethane	25.0	23.5		ug/L		94	75 - 125
Chloroethane	25.0	28.2		ug/L		113	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	28.2		ug/L		113	68 - 124
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	22.9		ug/L		92	74 - 124
Cyclohexane	25.0	33.6		ug/L		135	59 - 135
Dichlorodifluoromethane	25.0	22.2		ug/L		89	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	23.7		ug/L		95	77 - 120
Isopropylbenzene	25.0	23.4		ug/L		93	77 - 122
Methyl acetate	50.0	58.6		ug/L		117	74 - 133
Methyl tert-butyl ether	25.0	22.3		ug/L		89	77 - 120
Methylcyclohexane	25.0	26.1		ug/L		105	68 - 134
Methylene Chloride	25.0	22.5		ug/L		90	75 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	25.0	28.5		ug/L		114	74 - 122
Toluene	25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	22.6		ug/L		90	73 - 127

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-382898/5

Matrix: Water

Analysis Batch: 382898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	80 - 120
Trichloroethene	25.0	25.6		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	28.8		ug/L		115	62 - 150
Vinyl chloride	25.0	26.7		ug/L		107	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	87		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	87		73 - 120
Dibromofluoromethane (Surr)	83		75 - 123

Lab Sample ID: 480-125771-4 MS

Matrix: Water

Analysis Batch: 382898

Client Sample ID: MW-9R

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		625	680		ug/L		109	73 - 126
1,1,1,2-Tetrachloroethane	ND		625	534		ug/L		86	76 - 120
1,1,2-Trichloroethane	ND		625	628		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		625	701		ug/L		112	61 - 148
1,1-Dichloroethane	ND		625	695		ug/L		111	77 - 120
1,1-Dichloroethene	38		625	632		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	ND		625	567		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	ND		625	416		ug/L		67	56 - 134
1,2-Dichlorobenzene	ND		625	623		ug/L		100	80 - 124
1,2-Dichloroethane	ND * F1		625	773	F1	ug/L		124	75 - 120
1,2-Dichloropropane	ND		625	690		ug/L		110	76 - 120
1,3-Dichlorobenzene	ND		625	620		ug/L		99	77 - 120
1,4-Dichlorobenzene	ND		625	590		ug/L		94	78 - 124
2-Butanone (MEK)	ND		3130	3630		ug/L		116	57 - 140
2-Hexanone	ND * F1		3130	4280	F1	ug/L		137	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		3130	3540		ug/L		113	71 - 125
Acetone	ND *		3130	3570		ug/L		114	56 - 142
Benzene	ND		625	574		ug/L		92	71 - 124
Bromodichloromethane	ND		625	602		ug/L		96	80 - 122
Bromoform	ND		625	483		ug/L		77	61 - 132
Bromomethane	ND		625	542		ug/L		87	55 - 144
Carbon disulfide	ND		625	525		ug/L		84	59 - 134
Carbon tetrachloride	ND		625	642		ug/L		103	72 - 134
Chlorobenzene	ND		625	624		ug/L		100	80 - 120
Dibromochloromethane	ND		625	585		ug/L		94	75 - 125
Chloroethane	ND		625	716		ug/L		114	69 - 136
Chloroform	ND		625	616		ug/L		99	73 - 127
Chloromethane	ND		625	725		ug/L		116	68 - 124
cis-1,2-Dichloroethene	7400 E		625	6450	E 4	ug/L		-146	74 - 124
cis-1,3-Dichloropropene	ND		625	547		ug/L		87	74 - 124
Cyclohexane	ND F1		625	839		ug/L		134	59 - 135

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: 480-125771-4 MS

Matrix: Water

Analysis Batch: 382898

Client Sample ID: MW-9R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	ND		625	564		ug/L		90	59 - 135
Ethylbenzene	ND		625	659		ug/L		105	77 - 123
1,2-Dibromoethane	ND		625	609		ug/L		97	77 - 120
Isopropylbenzene	ND		625	575		ug/L		92	77 - 122
Methyl acetate	ND		1250	1480		ug/L		119	74 - 133
Methyl tert-butyl ether	ND		625	560		ug/L		90	77 - 120
Methylcyclohexane	ND		625	650		ug/L		104	68 - 134
Methylene Chloride	ND		625	575		ug/L		92	75 - 124
Styrene	ND		625	618		ug/L		99	80 - 120
Tetrachloroethene	ND		625	717		ug/L		115	74 - 122
Toluene	ND		625	624		ug/L		100	80 - 122
trans-1,2-Dichloroethene	61		625	628		ug/L		91	73 - 127
trans-1,3-Dichloropropene	ND		625	567		ug/L		91	80 - 120
Trichloroethene	12000	E	625	10300	E 4	ug/L		-234	74 - 123
Trichlorofluoromethane	ND		625	739		ug/L		118	62 - 150
Vinyl chloride	1000	F1	625	1410	F1	ug/L		57	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	89		80 - 120
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	89		75 - 123

Lab Sample ID: 480-125771-4 MSD

Matrix: Water

Analysis Batch: 382898

Client Sample ID: MW-9R

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		625	735		ug/L		118	73 - 126	8	15
1,1,2,2-Tetrachloroethane	ND		625	539		ug/L		86	76 - 120	1	15
1,1,2-Trichloroethane	ND		625	636		ug/L		102	76 - 122	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		625	711		ug/L		114	61 - 148	1	20
1,1-Dichloroethane	ND		625	719		ug/L		115	77 - 120	3	20
1,1-Dichloroethene	38		625	647		ug/L		97	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		625	584		ug/L		93	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		625	450		ug/L		72	56 - 134	8	15
1,2-Dichlorobenzene	ND		625	614		ug/L		98	80 - 124	1	20
1,2-Dichloroethane	ND	* F1	625	787	F1	ug/L		126	75 - 120	2	20
1,2-Dichloropropane	ND		625	687		ug/L		110	76 - 120	0	20
1,3-Dichlorobenzene	ND		625	633		ug/L		101	77 - 120	2	20
1,4-Dichlorobenzene	ND		625	615		ug/L		98	78 - 124	4	20
2-Butanone (MEK)	ND		3130	3580		ug/L		115	57 - 140	1	20
2-Hexanone	ND	* F1	3130	4130	F1	ug/L		132	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		3130	3490		ug/L		112	71 - 125	1	35
Acetone	ND	*	3130	3610		ug/L		116	56 - 142	1	15
Benzene	ND		625	602		ug/L		96	71 - 124	5	13
Bromodichloromethane	ND		625	614		ug/L		98	80 - 122	2	15

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: 480-125771-4 MSD

Matrix: Water

Analysis Batch: 382898

Client Sample ID: MW-9R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	ND		625	505		ug/L		81	61 - 132	4	15
Bromomethane	ND		625	585		ug/L		94	55 - 144	8	15
Carbon disulfide	ND		625	560		ug/L		90	59 - 134	7	15
Carbon tetrachloride	ND		625	674		ug/L		108	72 - 134	5	15
Chlorobenzene	ND		625	638		ug/L		102	80 - 120	2	25
Dibromochloromethane	ND		625	578		ug/L		92	75 - 125	1	15
Chloroethane	ND		625	731		ug/L		117	69 - 136	2	15
Chloroform	ND		625	640		ug/L		102	73 - 127	4	20
Chloromethane	ND		625	741		ug/L		118	68 - 124	2	15
cis-1,2-Dichloroethene	7400	E	625	6680	E 4	ug/L		-109	74 - 124	3	15
cis-1,3-Dichloropropene	ND		625	561		ug/L		90	74 - 124	3	15
Cyclohexane	ND	F1	625	870	F1	ug/L		139	59 - 135	4	20
Dichlorodifluoromethane	ND		625	562		ug/L		90	59 - 135	0	20
Ethylbenzene	ND		625	671		ug/L		107	77 - 123	2	15
1,2-Dibromoethane	ND		625	603		ug/L		96	77 - 120	1	15
Isopropylbenzene	ND		625	591		ug/L		95	77 - 122	3	20
Methyl acetate	ND		1250	1510		ug/L		121	74 - 133	2	20
Methyl tert-butyl ether	ND		625	562		ug/L		90	77 - 120	0	37
Methylcyclohexane	ND		625	663		ug/L		106	68 - 134	2	20
Methylene Chloride	ND		625	580		ug/L		93	75 - 124	1	15
Styrene	ND		625	615		ug/L		98	80 - 120	1	20
Tetrachloroethene	ND		625	723		ug/L		116	74 - 122	1	20
Toluene	ND		625	636		ug/L		102	80 - 122	2	15
trans-1,2-Dichloroethene	61		625	654		ug/L		95	73 - 127	4	20
trans-1,3-Dichloropropene	ND		625	581		ug/L		93	80 - 120	3	15
Trichloroethene	12000	E	625	10600	E 4	ug/L		-193	74 - 123	2	16
Trichlorofluoromethane	ND		625	766		ug/L		122	62 - 150	4	20
Vinyl chloride	1000	F1	625	1510		ug/L		74	65 - 133	7	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	88		80 - 120
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	91		75 - 123

Lab Sample ID: MB 480-383133/5

Matrix: Water

Analysis Batch: 383133

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			10/21/17 20:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/21/17 20:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/21/17 20:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/21/17 20:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/21/17 20:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/21/17 20:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/21/17 20:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/21/17 20:11	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: MB 480-383133/5

Matrix: Water

Analysis Batch: 383133

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/21/17 20:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/21/17 20:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/21/17 20:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/21/17 20:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/21/17 20:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/21/17 20:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/21/17 20:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/21/17 20:11	1
Acetone	ND		10	3.0	ug/L			10/21/17 20:11	1
Benzene	ND		1.0	0.41	ug/L			10/21/17 20:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/21/17 20:11	1
Bromoform	ND		1.0	0.26	ug/L			10/21/17 20:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/21/17 20:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/21/17 20:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/21/17 20:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/21/17 20:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/21/17 20:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/21/17 20:11	1
Chloroform	ND		1.0	0.34	ug/L			10/21/17 20:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/21/17 20:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/21/17 20:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/21/17 20:11	1
Cyclohexane	ND		1.0	0.18	ug/L			10/21/17 20:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/21/17 20:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/21/17 20:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/21/17 20:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/21/17 20:11	1
Methyl acetate	ND		2.5	1.3	ug/L			10/21/17 20:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/21/17 20:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/21/17 20:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/21/17 20:11	1
Styrene	ND		1.0	0.73	ug/L			10/21/17 20:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/21/17 20:11	1
Toluene	ND		1.0	0.51	ug/L			10/21/17 20:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/21/17 20:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/21/17 20:11	1
Trichloroethene	ND		1.0	0.46	ug/L			10/21/17 20:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/21/17 20:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/21/17 20:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/21/17 20:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120		10/21/17 20:11	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		10/21/17 20:11	1
4-Bromofluorobenzene (Surr)	89		73 - 120		10/21/17 20:11	1
Dibromofluoromethane (Surr)	88		75 - 123		10/21/17 20:11	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383133/3

Matrix: Water

Analysis Batch: 383133

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	27.1		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.5		ug/L		86	76 - 120
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.5		ug/L		102	61 - 148
1,1-Dichloroethane	25.0	26.5		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	23.5		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	25.0	24.1		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	18.2		ug/L		73	56 - 134
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	29.6		ug/L		118	75 - 120
1,2-Dichloropropane	25.0	26.0		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 120
2-Butanone (MEK)	125	139		ug/L		111	57 - 140
2-Hexanone	125	154		ug/L		123	65 - 127
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125
Acetone	125	135		ug/L		108	56 - 142
Benzene	25.0	22.9		ug/L		92	71 - 124
Bromodichloromethane	25.0	23.8		ug/L		95	80 - 122
Bromoform	25.0	21.2		ug/L		85	61 - 132
Bromomethane	25.0	23.1		ug/L		93	55 - 144
Carbon disulfide	25.0	21.5		ug/L		86	59 - 134
Carbon tetrachloride	25.0	24.5		ug/L		98	72 - 134
Chlorobenzene	25.0	24.8		ug/L		99	80 - 120
Dibromochloromethane	25.0	23.2		ug/L		93	75 - 125
Chloroethane	25.0	26.6		ug/L		106	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	26.9		ug/L		108	68 - 124
cis-1,2-Dichloroethene	25.0	22.5		ug/L		90	74 - 124
cis-1,3-Dichloropropene	25.0	22.2		ug/L		89	74 - 124
Cyclohexane	25.0	30.5		ug/L		122	59 - 135
Dichlorodifluoromethane	25.0	20.0		ug/L		80	59 - 135
Ethylbenzene	25.0	25.6		ug/L		102	77 - 123
1,2-Dibromoethane	25.0	23.0		ug/L		92	77 - 120
Isopropylbenzene	25.0	23.2		ug/L		93	77 - 122
Methyl acetate	50.0	53.1		ug/L		106	74 - 133
Methyl tert-butyl ether	25.0	21.9		ug/L		88	77 - 120
Methylcyclohexane	25.0	23.6		ug/L		94	68 - 134
Methylene Chloride	25.0	22.5		ug/L		90	75 - 124
Styrene	25.0	23.8		ug/L		95	80 - 120
Tetrachloroethene	25.0	28.7		ug/L		115	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	80 - 120
Trichloroethene	25.0	24.2		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	26.8		ug/L		107	62 - 150
Vinyl chloride	25.0	25.3		ug/L		101	65 - 133

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383133/3

Matrix: Water

Analysis Batch: 383133

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	93		80 - 120
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	89		75 - 123

Lab Sample ID: MB 480-383137/6

Matrix: Water

Analysis Batch: 383137

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			10/22/17 10:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/22/17 10:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/22/17 10:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/22/17 10:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/22/17 10:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/22/17 10:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/22/17 10:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/22/17 10:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/22/17 10:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/22/17 10:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/22/17 10:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/22/17 10:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/22/17 10:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/22/17 10:55	1
2-Hexanone	ND		5.0	1.2	ug/L			10/22/17 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/22/17 10:55	1
Acetone	ND		10	3.0	ug/L			10/22/17 10:55	1
Benzene	ND		1.0	0.41	ug/L			10/22/17 10:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/22/17 10:55	1
Bromoform	ND		1.0	0.26	ug/L			10/22/17 10:55	1
Bromomethane	ND		1.0	0.69	ug/L			10/22/17 10:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/22/17 10:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/22/17 10:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/22/17 10:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/22/17 10:55	1
Chloroethane	ND		1.0	0.32	ug/L			10/22/17 10:55	1
Chloroform	ND		1.0	0.34	ug/L			10/22/17 10:55	1
Chloromethane	ND		1.0	0.35	ug/L			10/22/17 10:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/22/17 10:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/22/17 10:55	1
Cyclohexane	ND		1.0	0.18	ug/L			10/22/17 10:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/22/17 10:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/22/17 10:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/22/17 10:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/22/17 10:55	1
Methyl acetate	ND		2.5	1.3	ug/L			10/22/17 10:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/22/17 10:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/22/17 10:55	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: MB 480-383137/6

Matrix: Water

Analysis Batch: 383137

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			10/22/17 10:55	1
Styrene	ND		1.0	0.73	ug/L			10/22/17 10:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/22/17 10:55	1
Toluene	ND		1.0	0.51	ug/L			10/22/17 10:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/22/17 10:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/22/17 10:55	1
Trichloroethene	ND		1.0	0.46	ug/L			10/22/17 10:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/22/17 10:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/22/17 10:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/22/17 10:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		10/22/17 10:55	1
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		10/22/17 10:55	1
4-Bromofluorobenzene (Surr)	92		73 - 120		10/22/17 10:55	1
Dibromofluoromethane (Surr)	90		75 - 123		10/22/17 10:55	1

Lab Sample ID: LCS 480-383137/4

Matrix: Water

Analysis Batch: 383137

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	29.6		ug/L		118	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	76 - 120
1,1,2-Trichloroethane	25.0	27.6		ug/L		110	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5		ug/L		110	61 - 148
1,1-Dichloroethane	25.0	30.0		ug/L		120	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	27.0		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.5		ug/L		82	56 - 134
1,2-Dichlorobenzene	25.0	27.1		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	32.6	*	ug/L		130	75 - 120
1,2-Dichloropropane	25.0	29.2		ug/L		117	76 - 120
1,3-Dichlorobenzene	25.0	26.8		ug/L		107	77 - 120
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 120
2-Butanone (MEK)	125	169		ug/L		135	57 - 140
2-Hexanone	125	184	*	ug/L		147	65 - 127
4-Methyl-2-pentanone (MIBK)	125	153		ug/L		123	71 - 125
Acetone	125	172		ug/L		138	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	25.9		ug/L		104	80 - 122
Bromoform	25.0	22.4		ug/L		90	61 - 132
Bromomethane	25.0	22.8		ug/L		91	55 - 144
Carbon disulfide	25.0	23.1		ug/L		92	59 - 134
Carbon tetrachloride	25.0	27.3		ug/L		109	72 - 134
Chlorobenzene	25.0	27.4		ug/L		110	80 - 120
Dibromochloromethane	25.0	25.1		ug/L		100	75 - 125

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383137/4

Matrix: Water

Analysis Batch: 383137

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	25.0	26.6		ug/L		107	69 - 136
Chloroform	25.0	26.6		ug/L		106	73 - 127
Chloromethane	25.0	27.5		ug/L		110	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	23.0		ug/L		92	74 - 124
Cyclohexane	25.0	34.9	*	ug/L		140	59 - 135
Dichlorodifluoromethane	25.0	19.1		ug/L		76	59 - 135
Ethylbenzene	25.0	28.6		ug/L		114	77 - 123
1,2-Dibromoethane	25.0	26.3		ug/L		105	77 - 120
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122
Methyl acetate	50.0	62.1		ug/L		124	74 - 133
Methyl tert-butyl ether	25.0	23.8		ug/L		95	77 - 120
Methylcyclohexane	25.0	26.5		ug/L		106	68 - 134
Methylene Chloride	25.0	24.1		ug/L		96	75 - 124
Styrene	25.0	26.4		ug/L		105	80 - 120
Tetrachloroethene	25.0	31.2	*	ug/L		125	74 - 122
Toluene	25.0	27.0		ug/L		108	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	27.8		ug/L		111	74 - 123
Trichlorofluoromethane	25.0	28.4		ug/L		113	62 - 150
Vinyl chloride	25.0	24.7		ug/L		99	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		80 - 120
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	90		75 - 123

Lab Sample ID: 480-125771-7 MS

Matrix: Water

Analysis Batch: 383137

Client Sample ID: MW-13

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		5000	4930		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	ND		5000	3910		ug/L		78	76 - 120
1,1,2-Trichloroethane	ND		5000	4790		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5000	4410		ug/L		88	61 - 148
1,1-Dichloroethane	ND		5000	5290		ug/L		106	77 - 120
1,1-Dichloroethene	ND		5000	4100		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	ND		5000	4450		ug/L		89	79 - 122
1,2-Dibromo-3-Chloropropane	ND		5000	2970		ug/L		59	56 - 134
1,2-Dichlorobenzene	ND		5000	4510		ug/L		90	80 - 124
1,2-Dichloroethane	ND	* F1	5000	6040	F1	ug/L		121	75 - 120
1,2-Dichloropropane	ND		5000	5310		ug/L		106	76 - 120
1,3-Dichlorobenzene	ND		5000	4590		ug/L		92	77 - 120
1,4-Dichlorobenzene	ND		5000	4420		ug/L		88	78 - 124

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: 480-125771-7 MS

Matrix: Water

Analysis Batch: 383137

Client Sample ID: MW-13

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	ND		25000	28600		ug/L		114	57 - 140
2-Hexanone	ND	* F1	25000	32000	F1	ug/L		128	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		25000	26500		ug/L		106	71 - 125
Acetone	ND		25000	29800		ug/L		119	56 - 142
Benzene	ND		5000	4400		ug/L		88	71 - 124
Bromodichloromethane	ND		5000	4650		ug/L		93	80 - 122
Bromoform	ND		5000	3800		ug/L		76	61 - 132
Bromomethane	ND		5000	4410		ug/L		88	55 - 144
Carbon disulfide	ND		5000	3860		ug/L		77	59 - 134
Carbon tetrachloride	ND		5000	4520		ug/L		90	72 - 134
Chlorobenzene	ND		5000	4830		ug/L		97	80 - 120
Dibromochloromethane	ND		5000	4410		ug/L		88	75 - 125
Chloroethane	ND		5000	5040		ug/L		101	69 - 136
Chloroform	ND		5000	4750		ug/L		95	73 - 127
Chloromethane	ND		5000	5450		ug/L		109	68 - 124
cis-1,2-Dichloroethene	1000		5000	5330		ug/L		86	74 - 124
cis-1,3-Dichloropropene	ND		5000	4050		ug/L		81	74 - 124
Cyclohexane	ND	*	5000	5500		ug/L		110	59 - 135
Dichlorodifluoromethane	ND	F1 F2	5000	3410		ug/L		68	59 - 135
Ethylbenzene	ND		5000	4750		ug/L		95	77 - 123
1,2-Dibromoethane	ND		5000	4440		ug/L		89	77 - 120
Isopropylbenzene	ND		5000	3970		ug/L		79	77 - 122
Methyl acetate	ND		10000	11200		ug/L		112	74 - 133
Methyl tert-butyl ether	ND		5000	4150		ug/L		83	77 - 120
Methylcyclohexane	ND	F1 F2	5000	4070		ug/L		81	68 - 134
Methylene Chloride	ND		5000	4390		ug/L		88	75 - 124
Styrene	ND		5000	4630		ug/L		93	80 - 120
Tetrachloroethene	ND	*	5000	5180		ug/L		104	74 - 122
Toluene	ND		5000	4450		ug/L		89	80 - 122
trans-1,2-Dichloroethene	ND		5000	4310		ug/L		86	73 - 127
trans-1,3-Dichloropropene	ND		5000	4270		ug/L		85	80 - 120
Trichloroethene	24000	E	5000	25400	E 4	ug/L		36	74 - 123
Trichlorofluoromethane	ND		5000	5160		ug/L		103	62 - 150
Vinyl chloride	ND		5000	4710		ug/L		94	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	92		80 - 120
1,2-Dichloroethane-d4 (Surr)	112		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	92		75 - 123

Lab Sample ID: 480-125771-7 MSD

Matrix: Water

Analysis Batch: 383137

Client Sample ID: MW-13

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		5000	4500		ug/L		90	73 - 126	9	15
1,1,2,2-Tetrachloroethane	ND		5000	3930		ug/L		79	76 - 120	1	15

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: 480-125771-7 MSD

Matrix: Water

Analysis Batch: 383137

Client Sample ID: MW-13

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND		5000	4540		ug/L		91	76 - 122	5	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5000	3720		ug/L		74	61 - 148	17	20
1,1-Dichloroethane	ND		5000	4910		ug/L		98	77 - 120	7	20
1,1-Dichloroethene	ND		5000	4060		ug/L		81	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		5000	4370		ug/L		87	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		5000	3060		ug/L		61	56 - 134	3	15
1,2-Dichlorobenzene	ND		5000	4590		ug/L		92	80 - 124	2	20
1,2-Dichloroethane	ND	* F1	5000	5720		ug/L		114	75 - 120	5	20
1,2-Dichloropropane	ND		5000	4760		ug/L		95	76 - 120	11	20
1,3-Dichlorobenzene	ND		5000	4630		ug/L		93	77 - 120	1	20
1,4-Dichlorobenzene	ND		5000	4470		ug/L		89	78 - 124	1	20
2-Butanone (MEK)	ND		25000	27800		ug/L		111	57 - 140	3	20
2-Hexanone	ND	* F1	25000	30900		ug/L		124	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	ND		25000	25700		ug/L		103	71 - 125	3	35
Acetone	ND		25000	29100		ug/L		117	56 - 142	2	15
Benzene	ND		5000	4080		ug/L		82	71 - 124	8	13
Bromodichloromethane	ND		5000	4480		ug/L		90	80 - 122	4	15
Bromoform	ND		5000	3780		ug/L		76	61 - 132	0	15
Bromomethane	ND		5000	4090		ug/L		82	55 - 144	8	15
Carbon disulfide	ND		5000	3410		ug/L		68	59 - 134	12	15
Carbon tetrachloride	ND		5000	4030		ug/L		81	72 - 134	12	15
Chlorobenzene	ND		5000	4540		ug/L		91	80 - 120	6	25
Dibromochloromethane	ND		5000	4200		ug/L		84	75 - 125	5	15
Chloroethane	ND		5000	4680		ug/L		94	69 - 136	7	15
Chloroform	ND		5000	4490		ug/L		90	73 - 127	6	20
Chloromethane	ND		5000	4870		ug/L		97	68 - 124	11	15
cis-1,2-Dichloroethene	1000		5000	4890		ug/L		77	74 - 124	9	15
cis-1,3-Dichloropropene	ND		5000	3930		ug/L		79	74 - 124	3	15
Cyclohexane	ND	*	5000	4550		ug/L		91	59 - 135	19	20
Dichlorodifluoromethane	ND	F1 F2	5000	2690	F1 F2	ug/L		54	59 - 135	24	20
Ethylbenzene	ND		5000	4520		ug/L		90	77 - 123	5	15
1,2-Dibromoethane	ND		5000	4390		ug/L		88	77 - 120	1	15
Isopropylbenzene	ND		5000	3890		ug/L		78	77 - 122	2	20
Methyl acetate	ND		10000	10600		ug/L		106	74 - 133	6	20
Methyl tert-butyl ether	ND		5000	3980		ug/L		80	77 - 120	4	37
Methylcyclohexane	ND	F1 F2	5000	3280	F1 F2	ug/L		66	68 - 134	21	20
Methylene Chloride	ND		5000	3960		ug/L		79	75 - 124	10	15
Styrene	ND		5000	4350		ug/L		87	80 - 120	6	20
Tetrachloroethene	ND	*	5000	4550		ug/L		91	74 - 122	13	20
Toluene	ND		5000	4350		ug/L		87	80 - 122	2	15
trans-1,2-Dichloroethene	ND		5000	4000		ug/L		80	73 - 127	7	20
trans-1,3-Dichloropropene	ND		5000	4100		ug/L		82	80 - 120	4	15
Trichloroethene	24000	E	5000	23500	E 4	ug/L		-3	74 - 123	8	16
Trichlorofluoromethane	ND		5000	4320		ug/L		86	62 - 150	18	20
Vinyl chloride	ND		5000	4230		ug/L		85	65 - 133	11	15

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: 480-125771-7 MSD

Matrix: Water

Analysis Batch: 383137

Client Sample ID: MW-13

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	91		80 - 120
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	90		75 - 123

Lab Sample ID: MB 480-383225/7

Matrix: Water

Analysis Batch: 383225

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			10/23/17 10:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/23/17 10:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/23/17 10:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/23/17 10:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/23/17 10:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/23/17 10:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/23/17 10:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/23/17 10:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/23/17 10:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/23/17 10:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/23/17 10:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/23/17 10:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/23/17 10:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/23/17 10:30	1
2-Hexanone	ND		5.0	1.2	ug/L			10/23/17 10:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/23/17 10:30	1
Acetone	ND		10	3.0	ug/L			10/23/17 10:30	1
Benzene	ND		1.0	0.41	ug/L			10/23/17 10:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/23/17 10:30	1
Bromoform	ND		1.0	0.26	ug/L			10/23/17 10:30	1
Bromomethane	ND		1.0	0.69	ug/L			10/23/17 10:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/23/17 10:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/23/17 10:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/23/17 10:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/23/17 10:30	1
Chloroethane	ND		1.0	0.32	ug/L			10/23/17 10:30	1
Chloroform	ND		1.0	0.34	ug/L			10/23/17 10:30	1
Chloromethane	ND		1.0	0.35	ug/L			10/23/17 10:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/23/17 10:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/23/17 10:30	1
Cyclohexane	ND		1.0	0.18	ug/L			10/23/17 10:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/23/17 10:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/23/17 10:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/23/17 10:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/23/17 10:30	1
Methyl acetate	ND		2.5	1.3	ug/L			10/23/17 10:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/23/17 10:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/23/17 10:30	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: MB 480-383225/7

Matrix: Water

Analysis Batch: 383225

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			10/23/17 10:30	1
Styrene	ND		1.0	0.73	ug/L			10/23/17 10:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/23/17 10:30	1
Toluene	ND		1.0	0.51	ug/L			10/23/17 10:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/23/17 10:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/23/17 10:30	1
Trichloroethene	ND		1.0	0.46	ug/L			10/23/17 10:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/23/17 10:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/23/17 10:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/23/17 10:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/23/17 10:30	1
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		10/23/17 10:30	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/23/17 10:30	1
Dibromofluoromethane (Surr)	97		75 - 123		10/23/17 10:30	1

Lab Sample ID: LCS 480-383225/5

Matrix: Water

Analysis Batch: 383225

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	25.9		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.7		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	24.6		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.7		ug/L		91	56 - 134
1,2-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	23.1		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	23.5		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
2-Hexanone	125	125		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	136		ug/L		109	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Bromoform	25.0	28.7		ug/L		115	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	23.3		ug/L		93	59 - 134
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Dibromochloromethane	25.0	27.4		ug/L		110	75 - 125

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383225/5

Matrix: Water

Analysis Batch: 383225

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	25.0	24.9		ug/L		100	69 - 136
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	22.9		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	22.8		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	74 - 124
Cyclohexane	25.0	24.2		ug/L		97	59 - 135
Dichlorodifluoromethane	25.0	22.7		ug/L		91	59 - 135
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
1,2-Dibromoethane	25.0	24.0		ug/L		96	77 - 120
Isopropylbenzene	25.0	26.2		ug/L		105	77 - 122
Methyl acetate	50.0	42.5		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	23.2		ug/L		93	77 - 120
Methylcyclohexane	25.0	24.5		ug/L		98	68 - 134
Methylene Chloride	25.0	22.3		ug/L		89	75 - 124
Styrene	25.0	26.1		ug/L		104	80 - 120
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	24.7		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	23.9		ug/L		96	62 - 150
Vinyl chloride	25.0	22.0		ug/L		88	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	96		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: MB 480-383355/6

Matrix: Water

Analysis Batch: 383355

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			10/23/17 21:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/23/17 21:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/23/17 21:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/23/17 21:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/23/17 21:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/23/17 21:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/23/17 21:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/23/17 21:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/23/17 21:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/23/17 21:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/23/17 21:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/23/17 21:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/23/17 21:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/23/17 21:21	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: MB 480-383355/6

Matrix: Water

Analysis Batch: 383355

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	1.2	ug/L			10/23/17 21:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/23/17 21:21	1
Acetone	ND		10	3.0	ug/L			10/23/17 21:21	1
Benzene	ND		1.0	0.41	ug/L			10/23/17 21:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/23/17 21:21	1
Bromoform	ND		1.0	0.26	ug/L			10/23/17 21:21	1
Bromomethane	ND		1.0	0.69	ug/L			10/23/17 21:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/23/17 21:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/23/17 21:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/23/17 21:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/23/17 21:21	1
Chloroethane	ND		1.0	0.32	ug/L			10/23/17 21:21	1
Chloroform	ND		1.0	0.34	ug/L			10/23/17 21:21	1
Chloromethane	ND		1.0	0.35	ug/L			10/23/17 21:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/23/17 21:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/23/17 21:21	1
Cyclohexane	ND		1.0	0.18	ug/L			10/23/17 21:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/23/17 21:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/23/17 21:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/23/17 21:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/23/17 21:21	1
Methyl acetate	ND		2.5	1.3	ug/L			10/23/17 21:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/23/17 21:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/23/17 21:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/23/17 21:21	1
Styrene	ND		1.0	0.73	ug/L			10/23/17 21:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/23/17 21:21	1
Toluene	ND		1.0	0.51	ug/L			10/23/17 21:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/23/17 21:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/23/17 21:21	1
Trichloroethene	ND		1.0	0.46	ug/L			10/23/17 21:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/23/17 21:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/23/17 21:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/23/17 21:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/23/17 21:21	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/23/17 21:21	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/23/17 21:21	1
Dibromofluoromethane (Surr)	105		75 - 123		10/23/17 21:21	1

Lab Sample ID: LCS 480-383355/4

Matrix: Water

Analysis Batch: 383355

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	26.6		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.7		ug/L		99	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383355/4

Matrix: Water

Analysis Batch: 383355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.2		ug/L		97	61 - 148
1,1-Dichloroethane	25.0	26.4		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.3		ug/L		89	56 - 134
1,2-Dichlorobenzene	25.0	26.6		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	26.6		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 120
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
2-Hexanone	125	120		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	25.3		ug/L		101	71 - 124
Bromodichloromethane	25.0	26.2		ug/L		105	80 - 122
Bromoform	25.0	29.7		ug/L		119	61 - 132
Bromomethane	25.0	26.0		ug/L		104	55 - 144
Carbon disulfide	25.0	24.9		ug/L		100	59 - 134
Carbon tetrachloride	25.0	28.8		ug/L		115	72 - 134
Chlorobenzene	25.0	25.7		ug/L		103	80 - 120
Dibromochloromethane	25.0	28.3		ug/L		113	75 - 125
Chloroethane	25.0	27.5		ug/L		110	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	25.0		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	25.2		ug/L		101	59 - 135
Dichlorodifluoromethane	25.0	23.5		ug/L		94	59 - 135
Ethylbenzene	25.0	26.6		ug/L		106	77 - 123
1,2-Dibromoethane	25.0	23.7		ug/L		95	77 - 120
Isopropylbenzene	25.0	28.9		ug/L		116	77 - 122
Methyl acetate	50.0	39.4		ug/L		79	74 - 133
Methyl tert-butyl ether	25.0	22.9		ug/L		91	77 - 120
Methylcyclohexane	25.0	25.0		ug/L		100	68 - 134
Methylene Chloride	25.0	22.9		ug/L		92	75 - 124
Styrene	25.0	27.0		ug/L		108	80 - 120
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	25.9		ug/L		103	80 - 120
Trichloroethene	25.0	25.9		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	25.5		ug/L		102	62 - 150
Vinyl chloride	25.0	24.4		ug/L		98	65 - 133

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383355/4

Matrix: Water

Analysis Batch: 383355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	91		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: 480-125771-6 MS

Matrix: Water

Analysis Batch: 383355

Client Sample ID: MW-12

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		625	708		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	ND		625	630		ug/L		101	76 - 120
1,1,2-Trichloroethane	ND		625	568		ug/L		91	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		625	716		ug/L		115	61 - 148
1,1-Dichloroethane	ND		625	691		ug/L		111	77 - 120
1,1-Dichloroethene	ND		625	686		ug/L		110	66 - 127
1,2,4-Trichlorobenzene	ND		625	610		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	ND		625	556		ug/L		89	56 - 134
1,2-Dichlorobenzene	ND		625	611		ug/L		98	80 - 124
1,2-Dichloroethane	ND		625	612		ug/L		98	75 - 120
1,2-Dichloropropane	ND		625	650		ug/L		104	76 - 120
1,3-Dichlorobenzene	ND		625	659		ug/L		105	77 - 120
1,4-Dichlorobenzene	ND		625	649		ug/L		104	78 - 124
2-Butanone (MEK)	ND		3130	2930		ug/L		94	57 - 140
2-Hexanone	ND		3130	3000		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		3130	2920		ug/L		93	71 - 125
Acetone	ND		3130	2780		ug/L		89	56 - 142
Benzene	ND		625	668		ug/L		107	71 - 124
Bromodichloromethane	ND		625	707		ug/L		113	80 - 122
Bromoform	ND		625	729		ug/L		117	61 - 132
Bromomethane	ND		625	681		ug/L		109	55 - 144
Carbon disulfide	ND		625	656		ug/L		105	59 - 134
Carbon tetrachloride	ND		625	783		ug/L		125	72 - 134
Chlorobenzene	ND		625	643		ug/L		103	80 - 120
Dibromochloromethane	ND		625	726		ug/L		116	75 - 125
Chloroethane	ND		625	714		ug/L		114	69 - 136
Chloroform	ND		625	673		ug/L		108	73 - 127
Chloromethane	ND		625	638		ug/L		102	68 - 124
cis-1,2-Dichloroethene	140		625	770		ug/L		100	74 - 124
cis-1,3-Dichloropropene	ND		625	645		ug/L		103	74 - 124
Cyclohexane	ND		625	688		ug/L		110	59 - 135
Dichlorodifluoromethane	ND		625	604		ug/L		97	59 - 135
Ethylbenzene	ND		625	647		ug/L		103	77 - 123
1,2-Dibromoethane	ND		625	602		ug/L		96	77 - 120
Isopropylbenzene	ND		625	681		ug/L		109	77 - 122
Methyl acetate	ND		1250	1030		ug/L		82	74 - 133
Methyl tert-butyl ether	ND		625	594		ug/L		95	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: 480-125771-6 MS

Matrix: Water

Analysis Batch: 383355

Client Sample ID: MW-12

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	ND		625	684		ug/L		109	68 - 134
Methylene Chloride	ND		625	626		ug/L		100	75 - 124
Styrene	ND		625	683		ug/L		109	80 - 120
Tetrachloroethene	ND		625	676		ug/L		108	74 - 122
Toluene	ND		625	666		ug/L		107	80 - 122
trans-1,2-Dichloroethene	ND		625	678		ug/L		109	73 - 127
trans-1,3-Dichloropropene	ND		625	619		ug/L		99	80 - 120
Trichlorofluoromethane	ND		625	643		ug/L		103	62 - 150
Vinyl chloride	ND		625	633		ug/L		101	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: 480-125771-6 MSD

Matrix: Water

Analysis Batch: 383355

Client Sample ID: MW-12

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		625	677		ug/L		108	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		625	623		ug/L		100	76 - 120	1	15
1,1,2-Trichloroethane	ND		625	612		ug/L		98	76 - 122	7	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		625	655		ug/L		105	61 - 148	9	20
1,1-Dichloroethane	ND		625	650		ug/L		104	77 - 120	6	20
1,1-Dichloroethene	ND		625	652		ug/L		104	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		625	617		ug/L		99	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		625	564		ug/L		90	56 - 134	1	15
1,2-Dichlorobenzene	ND		625	618		ug/L		99	80 - 124	1	20
1,2-Dichloroethane	ND		625	619		ug/L		99	75 - 120	1	20
1,2-Dichloropropane	ND		625	634		ug/L		101	76 - 120	3	20
1,3-Dichlorobenzene	ND		625	623		ug/L		100	77 - 120	6	20
1,4-Dichlorobenzene	ND		625	636		ug/L		102	78 - 124	2	20
2-Butanone (MEK)	ND		3130	2830		ug/L		91	57 - 140	3	20
2-Hexanone	ND		3130	3030		ug/L		97	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		3130	2990		ug/L		96	71 - 125	3	35
Acetone	ND		3130	2770		ug/L		89	56 - 142	0	15
Benzene	ND		625	625		ug/L		100	71 - 124	7	13
Bromodichloromethane	ND		625	671		ug/L		107	80 - 122	5	15
Bromoform	ND		625	828		ug/L		132	61 - 132	13	15
Bromomethane	ND		625	639		ug/L		102	55 - 144	6	15
Carbon disulfide	ND		625	611		ug/L		98	59 - 134	7	15
Carbon tetrachloride	ND		625	733		ug/L		117	72 - 134	7	15
Chlorobenzene	ND		625	638		ug/L		102	80 - 120	1	25
Dibromochloromethane	ND		625	756		ug/L		121	75 - 125	4	15
Chloroethane	ND		625	662		ug/L		106	69 - 136	8	15

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: 480-125771-6 MSD

Matrix: Water

Analysis Batch: 383355

Client Sample ID: MW-12

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	ND		625	645		ug/L		103	73 - 127	4	20
Chloromethane	ND		625	593		ug/L		95	68 - 124	7	15
cis-1,2-Dichloroethene	140		625	715		ug/L		91	74 - 124	7	15
cis-1,3-Dichloropropene	ND		625	623		ug/L		100	74 - 124	3	15
Cyclohexane	ND		625	624		ug/L		100	59 - 135	10	20
Dichlorodifluoromethane	ND		625	569		ug/L		91	59 - 135	6	20
Ethylbenzene	ND		625	648		ug/L		104	77 - 123	0	15
1,2-Dibromoethane	ND		625	618		ug/L		99	77 - 120	3	15
Isopropylbenzene	ND		625	677		ug/L		108	77 - 122	1	20
Methyl acetate	ND		1250	1010		ug/L		81	74 - 133	1	20
Methyl tert-butyl ether	ND		625	581		ug/L		93	77 - 120	2	37
Methylcyclohexane	ND		625	610		ug/L		98	68 - 134	11	20
Methylene Chloride	ND		625	579		ug/L		93	75 - 124	8	15
Styrene	ND		625	666		ug/L		107	80 - 120	3	20
Tetrachloroethene	ND		625	641		ug/L		102	74 - 122	5	20
Toluene	ND		625	664		ug/L		106	80 - 122	0	15
trans-1,2-Dichloroethene	ND		625	622		ug/L		100	73 - 127	9	20
trans-1,3-Dichloropropene	ND		625	635		ug/L		102	80 - 120	3	15
Trichlorofluoromethane	ND		625	604		ug/L		97	62 - 150	6	20
Vinyl chloride	ND		625	607		ug/L		97	65 - 133	4	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	93		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: MB 480-383361/6

Matrix: Water

Analysis Batch: 383361

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			10/23/17 21:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/23/17 21:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/23/17 21:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/23/17 21:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/23/17 21:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/23/17 21:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/23/17 21:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/23/17 21:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/23/17 21:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/23/17 21:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/23/17 21:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/23/17 21:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/23/17 21:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/23/17 21:20	1
2-Hexanone	ND		5.0	1.2	ug/L			10/23/17 21:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/23/17 21:20	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: MB 480-383361/6

Matrix: Water

Analysis Batch: 383361

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/23/17 21:20	1
Benzene	ND		1.0	0.41	ug/L			10/23/17 21:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/23/17 21:20	1
Bromoform	ND		1.0	0.26	ug/L			10/23/17 21:20	1
Bromomethane	ND		1.0	0.69	ug/L			10/23/17 21:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/23/17 21:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/23/17 21:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/23/17 21:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/23/17 21:20	1
Chloroethane	ND		1.0	0.32	ug/L			10/23/17 21:20	1
Chloroform	ND		1.0	0.34	ug/L			10/23/17 21:20	1
Chloromethane	ND		1.0	0.35	ug/L			10/23/17 21:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/23/17 21:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/23/17 21:20	1
Cyclohexane	ND		1.0	0.18	ug/L			10/23/17 21:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/23/17 21:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/23/17 21:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/23/17 21:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/23/17 21:20	1
Methyl acetate	ND		2.5	1.3	ug/L			10/23/17 21:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/23/17 21:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/23/17 21:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/23/17 21:20	1
Styrene	ND		1.0	0.73	ug/L			10/23/17 21:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/23/17 21:20	1
Toluene	ND		1.0	0.51	ug/L			10/23/17 21:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/23/17 21:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/23/17 21:20	1
Trichloroethene	ND		1.0	0.46	ug/L			10/23/17 21:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/23/17 21:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/23/17 21:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/23/17 21:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		10/23/17 21:20	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/23/17 21:20	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/23/17 21:20	1
Dibromofluoromethane (Surr)	101		75 - 123		10/23/17 21:20	1

Lab Sample ID: LCS 480-383361/4

Matrix: Water

Analysis Batch: 383361

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	23.2		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.7		ug/L		103	76 - 120
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	76 - 122

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383361/4

Matrix: Water

Analysis Batch: 383361

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.4		ug/L		90	61 - 148
1,1-Dichloroethane	25.0	24.3		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	56 - 134
1,2-Dichlorobenzene	25.0	24.9		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	22.4		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	26.5		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 120
2-Butanone (MEK)	125	134		ug/L		107	57 - 140
2-Hexanone	125	137		ug/L		110	65 - 127
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	97.1		ug/L		78	56 - 142
Benzene	25.0	26.9		ug/L		108	71 - 124
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Bromoform	25.0	25.6		ug/L		102	61 - 132
Bromomethane	25.0	22.8		ug/L		91	55 - 144
Carbon disulfide	25.0	24.9		ug/L		100	59 - 134
Carbon tetrachloride	25.0	23.5		ug/L		94	72 - 134
Chlorobenzene	25.0	25.9		ug/L		104	80 - 120
Dibromochloromethane	25.0	25.3		ug/L		101	75 - 125
Chloroethane	25.0	25.5		ug/L		102	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	24.7		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	74 - 124
Cyclohexane	25.0	25.6		ug/L		102	59 - 135
Dichlorodifluoromethane	25.0	23.1		ug/L		93	59 - 135
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
1,2-Dibromoethane	25.0	26.3		ug/L		105	77 - 120
Isopropylbenzene	25.0	22.8		ug/L		91	77 - 122
Methyl acetate	50.0	44.4		ug/L		89	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120
Methylcyclohexane	25.0	26.3		ug/L		105	68 - 134
Methylene Chloride	25.0	26.9		ug/L		107	75 - 124
Styrene	25.0	25.8		ug/L		103	80 - 120
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	25.5		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	24.2		ug/L		97	62 - 150
Vinyl chloride	25.0	25.1		ug/L		100	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	106		80 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383361/4

Matrix: Water

Analysis Batch: 383361

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	106		75 - 123

Lab Sample ID: MB 480-383407/7

Matrix: Water

Analysis Batch: 383407

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			10/24/17 11:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/17 11:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/17 11:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/17 11:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/17 11:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/17 11:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/17 11:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/17 11:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/17 11:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/17 11:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/17 11:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/17 11:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/17 11:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/17 11:10	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/17 11:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/17 11:10	1
Acetone	ND		10	3.0	ug/L			10/24/17 11:10	1
Benzene	ND		1.0	0.41	ug/L			10/24/17 11:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/17 11:10	1
Bromoform	ND		1.0	0.26	ug/L			10/24/17 11:10	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/17 11:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/17 11:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/17 11:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/17 11:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/17 11:10	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/17 11:10	1
Chloroform	ND		1.0	0.34	ug/L			10/24/17 11:10	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/17 11:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/17 11:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/17 11:10	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/17 11:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/17 11:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/17 11:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/17 11:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/17 11:10	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/17 11:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/17 11:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/17 11:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/17 11:10	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: MB 480-383407/7

Matrix: Water

Analysis Batch: 383407

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/24/17 11:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/17 11:10	1
Toluene	ND		1.0	0.51	ug/L			10/24/17 11:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/17 11:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/17 11:10	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/17 11:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/17 11:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/17 11:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/17 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		10/24/17 11:10	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/24/17 11:10	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/24/17 11:10	1
Dibromofluoromethane (Surr)	105		75 - 123		10/24/17 11:10	1

Lab Sample ID: LCS 480-383407/5

Matrix: Water

Analysis Batch: 383407

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	22.2		ug/L		89	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120
1,1,2-Trichloroethane	25.0	20.4		ug/L		82	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.4		ug/L		82	61 - 148
1,1-Dichloroethane	25.0	22.2		ug/L		89	77 - 120
1,1-Dichloroethene	25.0	19.9		ug/L		80	66 - 127
1,2,4-Trichlorobenzene	25.0	23.4		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	19.7		ug/L		79	56 - 134
1,2-Dichlorobenzene	25.0	22.0		ug/L		88	80 - 124
1,2-Dichloroethane	25.0	19.7		ug/L		79	75 - 120
1,2-Dichloropropane	25.0	21.2		ug/L		85	76 - 120
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.6		ug/L		95	80 - 120
2-Butanone (MEK)	125	107		ug/L		85	57 - 140
2-Hexanone	125	109		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Benzene	25.0	21.5		ug/L		86	71 - 124
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122
Bromoform	25.0	27.0		ug/L		108	61 - 132
Bromomethane	25.0	20.8		ug/L		83	55 - 144
Carbon disulfide	25.0	19.5		ug/L		78	59 - 134
Carbon tetrachloride	25.0	23.2		ug/L		93	72 - 134
Chlorobenzene	25.0	22.5		ug/L		90	80 - 120
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Chloroethane	25.0	21.4		ug/L		85	69 - 136

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

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

Lab Sample ID: LCS 480-383407/5

Matrix: Water

Analysis Batch: 383407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	25.0	22.0		ug/L		88	73 - 127
Chloromethane	25.0	19.0		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	21.0		ug/L		84	74 - 124
cis-1,3-Dichloropropene	25.0	23.0		ug/L		92	74 - 124
Cyclohexane	25.0	19.8		ug/L		79	59 - 135
Dichlorodifluoromethane	25.0	16.0		ug/L		64	59 - 135
Ethylbenzene	25.0	22.1		ug/L		88	77 - 123
1,2-Dibromoethane	25.0	20.8		ug/L		83	77 - 120
Isopropylbenzene	25.0	23.4		ug/L		94	77 - 122
Methyl acetate	50.0	36.2	*	ug/L		72	74 - 133
Methyl tert-butyl ether	25.0	20.6		ug/L		83	77 - 120
Methylcyclohexane	25.0	20.2		ug/L		81	68 - 134
Methylene Chloride	25.0	20.1		ug/L		80	75 - 124
Styrene	25.0	23.1		ug/L		93	80 - 120
Tetrachloroethene	25.0	21.1		ug/L		84	74 - 122
Toluene	25.0	22.4		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	20.7		ug/L		83	73 - 127
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	80 - 120
Trichloroethene	25.0	21.5		ug/L		86	74 - 123
Trichlorofluoromethane	25.0	19.0		ug/L		76	62 - 150
Vinyl chloride	25.0	18.1		ug/L		73	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	93		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	93		75 - 123

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

GC/MS VOA

Analysis Batch: 382898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125771-1	MW-2	Total/NA	Water	8260C	
480-125771-2	MW-3	Total/NA	Water	8260C	
480-125771-4	MW-9R	Total/NA	Water	8260C	
MB 480-382898/7	Method Blank	Total/NA	Water	8260C	
LCS 480-382898/5	Lab Control Sample	Total/NA	Water	8260C	
480-125771-4 MS	MW-9R	Total/NA	Water	8260C	
480-125771-4 MSD	MW-9R	Total/NA	Water	8260C	

Analysis Batch: 383133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125771-1 - DL	MW-2	Total/NA	Water	8260C	
480-125771-2 - DL	MW-3	Total/NA	Water	8260C	
480-125771-4 - DL	MW-9R	Total/NA	Water	8260C	
480-125771-9	DUP	Total/NA	Water	8260C	
MB 480-383133/5	Method Blank	Total/NA	Water	8260C	
LCS 480-383133/3	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 383137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125771-7	MW-13	Total/NA	Water	8260C	
480-125771-8	MW-14	Total/NA	Water	8260C	
MB 480-383137/6	Method Blank	Total/NA	Water	8260C	
LCS 480-383137/4	Lab Control Sample	Total/NA	Water	8260C	
480-125771-7 MS	MW-13	Total/NA	Water	8260C	
480-125771-7 MSD	MW-13	Total/NA	Water	8260C	

Analysis Batch: 383225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125771-3	MW-4	Total/NA	Water	8260C	
480-125771-5	MW-11R	Total/NA	Water	8260C	
480-125771-10	TRIP BLANK	Total/NA	Water	8260C	
MB 480-383225/7	Method Blank	Total/NA	Water	8260C	
LCS 480-383225/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 383355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125771-5 - DL	MW-11R	Total/NA	Water	8260C	
480-125771-6	MW-12	Total/NA	Water	8260C	
MB 480-383355/6	Method Blank	Total/NA	Water	8260C	
LCS 480-383355/4	Lab Control Sample	Total/NA	Water	8260C	
480-125771-6 MS	MW-12	Total/NA	Water	8260C	
480-125771-6 MSD	MW-12	Total/NA	Water	8260C	

Analysis Batch: 383361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125771-7 - DL	MW-13	Total/NA	Water	8260C	
480-125771-8 - DL	MW-14	Total/NA	Water	8260C	
MB 480-383361/6	Method Blank	Total/NA	Water	8260C	
LCS 480-383361/4	Lab Control Sample	Total/NA	Water	8260C	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

GC/MS VOA (Continued)

Analysis Batch: 383407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125771-3 - DL	MW-4	Total/NA	Water	8260C	
480-125771-6 - DL	MW-12	Total/NA	Water	8260C	
MB 480-383407/7	Method Blank	Total/NA	Water	8260C	
LCS 480-383407/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-2

Date Collected: 10/10/17 13:25

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	382898	10/20/17 18:40	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	2000	383133	10/21/17 21:39	AMM	TAL BUF

Client Sample ID: MW-3

Date Collected: 10/10/17 16:10

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	382898	10/20/17 19:07	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	400	383133	10/21/17 22:05	AMM	TAL BUF

Client Sample ID: MW-4

Date Collected: 10/11/17 12:30

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		250	383225	10/23/17 16:05	KMN	TAL BUF
Total/NA	Analysis	8260C	DL	1000	383407	10/24/17 13:19	KMN	TAL BUF

Client Sample ID: MW-9R

Date Collected: 10/10/17 15:00

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	382898	10/20/17 19:34	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	200	383133	10/21/17 22:32	AMM	TAL BUF

Client Sample ID: MW-11R

Date Collected: 10/11/17 14:40

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	383225	10/23/17 16:29	KMN	TAL BUF
Total/NA	Analysis	8260C	DL	50	383355	10/23/17 22:18	RRS	TAL BUF

Client Sample ID: MW-12

Date Collected: 10/12/17 08:25

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	383355	10/23/17 22:42	RRS	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Client Sample ID: MW-12

Date Collected: 10/12/17 08:25

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	100	383407	10/24/17 13:43	KMN	TAL BUF

Client Sample ID: MW-13

Date Collected: 10/11/17 10:15

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	383137	10/22/17 18:40	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	500	383361	10/23/17 22:19	RJF	TAL BUF

Client Sample ID: MW-14

Date Collected: 10/11/17 08:55

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	383137	10/22/17 19:07	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	200	383361	10/23/17 22:42	RJF	TAL BUF

Client Sample ID: DUP

Date Collected: 10/10/17 00:00

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	383133	10/21/17 22:59	AMM	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 10/11/17 00:00

Date Received: 10/12/17 12:50

Lab Sample ID: 480-125771-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	383225	10/23/17 16:52	KMN	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

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

Method Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

TestAmerica Job ID: 480-125771-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-125771-1	MW-2	Water	10/10/17 13:25	10/12/17 12:50
480-125771-2	MW-3	Water	10/10/17 16:10	10/12/17 12:50
480-125771-3	MW-4	Water	10/11/17 12:30	10/12/17 12:50
480-125771-4	MW-9R	Water	10/10/17 15:00	10/12/17 12:50
480-125771-5	MW-11R	Water	10/11/17 14:40	10/12/17 12:50
480-125771-6	MW-12	Water	10/12/17 08:25	10/12/17 12:50
480-125771-7	MW-13	Water	10/11/17 10:15	10/12/17 12:50
480-125771-8	MW-14	Water	10/11/17 08:55	10/12/17 12:50
480-125771-9	DUP	Water	10/10/17 00:00	10/12/17 12:50
480-125771-10	TRIP BLANK	Water	10/11/17 00:00	10/12/17 12:50

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact		Maurice Moore		Site Contact: Eric Popken (GES)		Date:		COC No:	
NYSDEC-Region 9		Tel/Fax: (716) 851-7220		Lab Contact: Orlette Johnson		Carrier:		1 of 1 COCs	
270 Michigan Avenue		Buffalo, NY 14203		Analysis Turnaround Time				Sampler: <u>B. M. Kolin / GES</u>	
716-851-7220		Phone		☐ CALENDAR DAYS ☒ WORKING DAYS				For Lab Use Only:	
FAX		Custom TAT: 10 days		☐ 2 weeks				Walk-in Client:	
Project Name: DEC Frewsburg, 300 Falconer Street		☐ 1 week		☐ 2 days				Lab Sampling:	
Site No.: 907016		☐ 1 day						Job / SDG No.:	
Contract #:									

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C - TCL list OLM04.2	Notes:
MW-2	10-10-17	13:25	G	W	3	N	N	X	 480-125771 COC
MW-3	10-10-17	16:10	G	W	3	N	N	X	
MW-4	10-11-17	12:30	G	W	3	N	N	X	
MW-9R	10-10-17	15:00	G	W	9	N	Y	X	
MW-11R	10-11-17	14:40	G	W	3	N	N	X	
MW-12	10-12-17	08:25	G	W	3	N	N	X	
MW-13	10-11-17	10:15	G	W	3	N	N	X	
MW-14	10-11-17	08:55	G	W	3	N	N	X	
DUP	10-10-17	-	G	W	3	N	N	X	
Trip Blank	-	-	-	W		Y	N	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Special Instructions/QC Requirements & Comments:

Email report to epopken@gesonline.com, tpalmer@gesonline.com, buffalolabs@gesonline.com

Category B Deliverable

Custody Seals Intact:		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Cor'd: _____ Therm ID No.:	
Relinquished by:	Company: <u>GES</u>	Date/Time: <u>10/12/17 12:30</u>	Received by:	Company: <u>[Signature]</u>	Date/Time: <u>10/12/17 1250</u>
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-125771-1

Login Number: 125771

List Number: 1

Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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