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Groundwater Sampling Report: Emerging Contaminants and Volatile Organic Compounds

NYSDEC Site #C907030A – Standard Portable Offsite
25 West Lake Road
Mayville, NY 14757

April 26, 2019

Version 1.1

Groundwater Sampling Report: Emerging Contaminants and Volatile Organic Compounds

NYSDEC Site C907030A
Standard Portable Offsite
25 Lake Road, Mayville, NY

Prepared for:
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Division of Environmental Remediation
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Date:
April 26, 2019

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Eric Popken, P.G.
Senior Project Manager

Table of Contents

Figures

Tables

Appendices

Acronyms

DI	deionized water
DTW	Depth-to-water
DUSR	Data Usability Summary Report
FOSA	Perfluorooctane Sulfonamide
GES	Groundwater & Environmental Services, Inc.
HDPE	High density polyethylene
MS	Matrix spike
MSD	Matrix spike duplicate
NEtFOSAA	N-ethyl perfluorooctane sulfonamidoacetic acid
ng/L	nanograms per liter
NMeFOSAA	N-methyl perfluorooctane sulfonamidoacetic acid
NYSDEC	New York State Department of Environmental Conservation
PFAS	Per-and Polyfluoroalkyl Substances
PFBA	Perfluorobutanoic acid
PFBS	Perfluorobutanesulfonic acid
PFDA	Perfluorodecanoic acid
PFDoA	Perfluorododecanoic acid
PFDS	Perfluorodecanesulfonic acid
PFHpA	Perfluoroheptanoic acid
PFHpS	Perfluoroheptanesulfonic acid
PFHxA	Perfluorohexanoic acid
PFHxS	Perfluorohexanesulfonic acid
PFNA	Perfluorononanoic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
PFPeA	Perfluoropentanoic acid
PFTeA	Perfluorotetradecanoic acid
PFTriA	Perfluorotridecanoic acid
PFUnA	Perfluoroundecanoic acid
PPE	Personal protective equipment
SIM	Selective ion monitoring
TCA	1,1,1-Trichloroethane
TCE	Trichloroethylene
µg/L	micrograms per liter
VOC	Volatile Organic Compound

1 Introduction

Groundwater and Environmental Services, Inc. (GES) has prepared this report to summarize the groundwater sampling activities conducted at NYSDEC Site C907030A – Standard Portable Offsite. The offsite work is performed on behalf of NYSDEC and is associated with continuing remedial activities being conducted at the Standard Portable site (the Site). The work reported herein was conducted on October 23 through October 26, 2018. Sampling activities were completed to analyze groundwater for the presence of emerging contaminants, including per- and polyfluoroalkyl substances (PFAS), 1,4-dioxane and volatile organic compounds (VOCs). VOCs are the contaminant of concern at the site.

2 Site Background

The Site is an off-site portion of a New York State Department of Environmental Conservation (NYSDEC) Brownfield Program project, and referred to as Site #C907030A. The Site is located at 25 Lake Road in Mayville, New York as shown in the Site Location Map (**Figure 1**) and Site Map (**Figure 2**). The Site is located in a rural-residential area.

Historically, the facility was operated by Wappat Saw Company (Wappat), followed by then Standard Portable Products, Inc (Standard Portable). Both Wappat and Standard Portable performed various metalworking operations, which included the use of trichloroethylene (TCE) in a degreasing unit for vapor degreasing. The spent TCE had reportedly been stored in an underground tank, which was adjacent to the building. On-site and off-site investigations have indicated that there is TCE contamination in soil and groundwater.

The off-site property, which was the subject of the work conducted and reported herein is municipally owned land. The property consists of the Mayville Lakeside Park (across Route 346, adjacent to Lake Chautauqua), municipal land south of the site (undeveloped and provides access to the Nadine and Paul Webb Trail), and the right-of-way (ROW) between Route 346 and the undeveloped municipal land.

3 Emerging Contaminants

Chemicals used in consumer products are introduced to the environment through various sources such as municipal wastewater treatment plants, runoff from agricultural and urban land surfaces, septic systems, and some chemicals disposed of at hazardous waste sites.

The NYSDEC has identified PFAS and 1,4-dioxane as emerging contaminants. PFAS are a group of chemicals used to make fluoropolymer coatings and products that resist heat, oil, stains, grease and water. Fluoropolymer coatings are blends of resins and lubricants used in products such as water-repellent clothing, furniture, adhesives, paint and varnish, food packaging, heat-resistant non-stick cooking surfaces and insulation of electric wires. 1,4-Dioxane is a synthetic industrial chemical that was most commonly used as a stabilizer for chlorinated solvents, particularly 1,1,1-trichloroethane (TCA). Additionally, 1,4-dioxane has been identified as a by-product found in consumer products such as deodorants, shampoos, and cosmetics.

4 Groundwater Sampling Activities

4.1 Groundwater Elevation

On October 23, 2018, prior to sampling, groundwater depth-to-water (DTW) data was collected from monitoring wells SB-6, SB-8, SB-12, SB-13, SB-14, SB-19, EW-10, EW-14, EW-16, GMW-1 through GMW-8, GPW-5, GPW-6, GPW-8, GPW-9, GPW-10, GPW-13, GPW-14, GPW-17, GPW-20. DWT measurements ranged from 0.24 feet below ground surface to 5.08 feet below ground surface on October 3, 2018. A summary of the groundwater elevation data is included in Table 1. It should be noted that various wells that were on the gauge and bail list were not able to be located or were inaccessible, as indicated on **Table 1**. Additionally, many of the wells have been installed in tight groupings making it difficult to confirm the well identities at the time of sampling. The well identities used for this report were made on the basis of site drawings and will be confirmed at a later date.

4.2 Sampling Collection

Due to potential sources of cross-contamination by equipment, materials, and consumer products during sampling, a specific sampling method must be followed when sampling for PFAS and 1,4-dioxane. Upon shipment from the laboratory, all PFAS and 1,4-dioxane sample containers were shipped in separate coolers that remained dedicated to those sample containers.

During the October 2018 groundwater sampling event, low flow sampling was completed at monitoring wells SB-19, EW-10, EW-14, EW-16, GMW-2, GPW-5, GPW-6, GPW-13 and GPW-20. For each sample set, PFAS samples were collected first to minimize contact with other sample containers and packing materials. It should be noted that VOCs only were collected at well locations EW-14, EW-16 and GPW-13.

Each low flow sampling set-up included a YSI 556 with Flow Cell attachment to monitor groundwater quality stability prior to sampling. To conduct low-flow sampling, a Pine Peristaltic Pump was set up at each monitoring well. High density polyethylene (HDPE) tubing was inserted into the well to recover groundwater and silicon tubing was utilized at the pump and YSI interface.

The sampling personnel wore personal protective equipment (PPE), field clothing and utilized personal hygiene products that are indicated to not contaminate the samples. The sampling team wore field clothing that were well-laundered and made of cotton, and did not use fabric softeners. No cosmetics, moisturizers, hand cream, sunscreen, insect repellent or related products were applied to the sampling team the morning of the sampling.

Nitrile gloves were worn at all times during the sampling event and changed as needed, and gloves were always changed out prior to sample collection into laboratory supplied containers.

Any equipment that was not dedicated to the well during the sampling event was decontaminated using the two bucket method (i.e. the IP and YSI). Alconox was used in the first bucket to decontaminate equipment and clean water was used to rinse the equipment in the second bucket. This decontamination method was used before and after sampling at each monitoring well.

Recovered groundwater was sampled using laboratory supplied bottleware with a dedicated cooler for both PFAS and 1,4-dioxane samples. The cooler was sealed during shipping with a custody seal across the cooler opening to ensure the cooler was not tampered with. The cooler was opened onsite and was only opened thereafter to remove empty bottleware prior to sample collection, to return the bottleware to the cooler post sampling, or to place ice in the cooler for sample preservation. Upon completion of sampling activities, the coolers were delivered via courier to the TestAmerica Laboratories Amherst, New York facility. The methods for 1,4-Dioxane and VOC analysis were ran at the TestAmerica Amherst lab, and the samples were also shipped to the TestAmerica West Sacramento, California lab to run the method for PFAS analysis.

4.3 Sample Analysis

TestAmerica Laboratories in both Amherst, New York and West Sacramento, California analyzed the groundwater samples collected at the Site. TestAmerica Laboratories provided a full Category B deliverable with laboratory analytical data for the analysis of PFAS and 1,4-dioxane which is included as **Appendix A**. The analytical data included in the full category B deliverable is summarized in **Table 2** and **Table 3.** Additionally, a Quality Assessment Data Usability Summary Report (DUSR) was performed by Environmental Data Quality, Inc. (EDQ) of Exton, Pennsylvania and is included as **Appendix B**. EDQ found all results for PFAS, 1,4-Dioxane and VOCs included in the laboratory reports to be acceptable for use, with the exception of detections of select compounds that were determined to be non-detect as described in section 6.0 of the DUSR.

PFA samples submitted to the West Sacramento, California laboratory were analyzed using the modified EPA method 537. A reporting limit of below 1.8 nanograms per liter (ng/L) for all analytes was achieved by the lab for all samples. The PFAS analytes reported include:

- Perfluorobutanoic acid (PFBA)
- Perfluoropentanoic acid (PFPeA)
- Perfluorohexanoic acid (PFHxA)
- Perfluoroheptanoic acid (PFHpA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)
- Perfluorodecanoic acid (PFDA)
- Perfluoroundecanoic acid (PFUnA)
- Perfluorododecanoic acid (PFDoA)
- Perfluorotridecanoic acid (PFTriA)
- Perfluorotetradecanoic acid (PFTeA)
- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluoroheptanesulfonic acid (PFHpS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorodecanesulfonic acid (PFDS)
- Perfluorooctane Sulfonamide (FOSA)

- N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)
- N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)
- 6:2FTS
- 8:2FTS

The following PFAS analytes had concentrations greater than the laboratory reporting limit at one or more sample location:

- PFBA
- PFPeA
- PFHxA
- PFHpA
- PFOA
- PFNA
- PFDA
- PFTeA
- PFBS
- PFHxS
- PFOS
- FOSA

The maximum PFAS concentration detected was 5.6 ng/L of PFOS at EW-10.

The following PFAS analytes had concentrations below laboratory reporting limits at all sample PFAS sample locations (SB-19, EW-10, GMW-2, GPW-5, GPW-6, and GPW-20):

- PFUnA
- PFDoA
- PFTriA
- PFHpS
- PFDS
- NMeFOSAA
- NEtFOSAA
- 8:2FTS
- 6:2FTS

Samples were also analyzed for 1,4-Dioxane via method 8270D in selective ion monitoring (SIM) mode. A method detection limit of below 0.49 micrograms per liter (µg/L) for was achieved by the lab for all samples. The highest reporting limit was 0.97 µg/L. 1,4-Dioxane was detected only at sample location GPW-5 at 0.79 µg/L during the October 2018 sampling event. 1,4-Dioxane was also detected in the duplicate sample for EW-10, as noted in section 4.4 below. It should be noted that NYSDEC guidance states that the reporting limit for 1,4-dioxane should be no higher than 0.35 µg/, and this was not met in samples EW-10 (reporting limit of 0.97 µg/L) and GPW-6 (reporting limit of 0.4 µg/L).

Lastly, samples were analyzed for VOCs via method 8260B. A method detection limit below 10 µg/L for all analytes was achieved for sample locations GPW-6, GPW-13, GPW-20, GMW-2 and SB-19. Due to dilutions, method detection limits below 10,000 µg/L were established for sample locations EW-10, EW-14, EW-16 and GPW-5. The dilutions are also referred in the DUSR section 14.0. VOCs were compared to the NYSDEC Technical and Operational Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater (TOGS 1.1.1). Analytes cis-1,2-dichloroethene, trans-1,2-dichloroethen, trichloroethene and vinyl chloride were detected above the TOGS 1.1.1 standards. The highest total VOC concentration was 222,080 µg/L at sampling location EW-14.

4.4 Quality Assurance/Quality Control

Care was taken during all aspects of the sample collection to ensure that high quality data was obtained. Trip blanks, duplicate samples, and matrix spike and matrix spike duplicate (MS/MSD) samples were submitted for analysis for quality assurance of both the sample collection procedure and the laboratory method. All samples were submitted via courier to the necessary laboratories for analysis under proper chain of custody.

A duplicate sample was collected at monitoring well EW-10. Comparing analytical results from monitoring well EW-10 and the EW-10 Duplicate indicate the following:

- Concentrations changed by less than 55% for all analytes detected in both EW-10 sample and the duplicate sample (PFBA, PFHxA, PFHpA, PFOA, PFNA, PFDA, PFTeA, PFBS, PFOS, FOSA, cis-1,2-dichloroethen, vinyl chloride and total VOCs).
- Concentrations changed by 95.5% for PFPeA, detected in both the EW-10 sample and the duplicate sample.
- Analytes PFUnA, PFDoA and 1,4-dioxane were below the recording limits in the EW-10 sample but were detected above the recording limits in the duplicate sample (1.2 ng/L, 0.50 ng/L and 0.49 µg/L, respectively).

The MS/MSD run for the monitoring well MW-1 sample met the quality criteria and had no exceptions.

Overall, the DUSR concluded that aside from the aforementioned qualifiers, the data is qualitatively and quantitatively valid. Thus, when used with the qualifiers as presented in the DUSR, the laboratory data as circumscribed is usable and valid. Validated and qualified data as reported herein was sent to NYSDEC on February 13, 2019 for upload to the NYSDEC Environmental Information Management System (EIMS) database.

Figures

SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1979
CHAUTAUQUA, NEW YORK
CONTOUR INTERVAL = 10'

QUADRANGLE LOCATION

DRAFTED BY: W.G.S. (N.J.)	SITE LOCATION MAP
CHECKED BY:	NYSDEC 25 WEST LAKE ROAD MAYVILLE, NEW YORK
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225

SCALE IN FEET	DATE	FIGURE
0 2000	1-26-16	1

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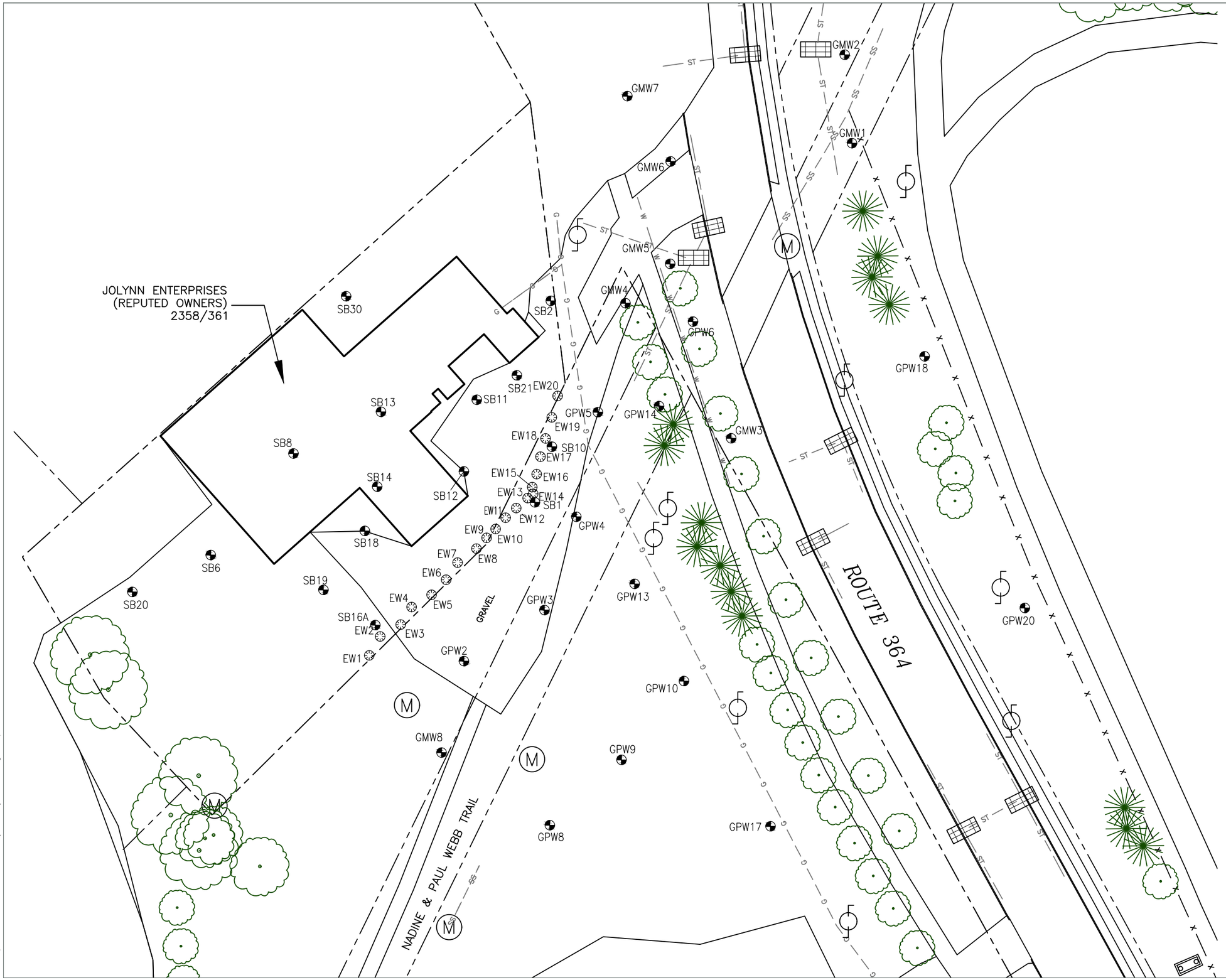

Site Map

NYSDEC
25 West Lake Road
Mayville, New York

Drawn
W.G.S.
Designed

Approved

Date
1/22/19
Figure
2

Scale In Feet
0 50

Groundwater & Environmental Services, Inc.

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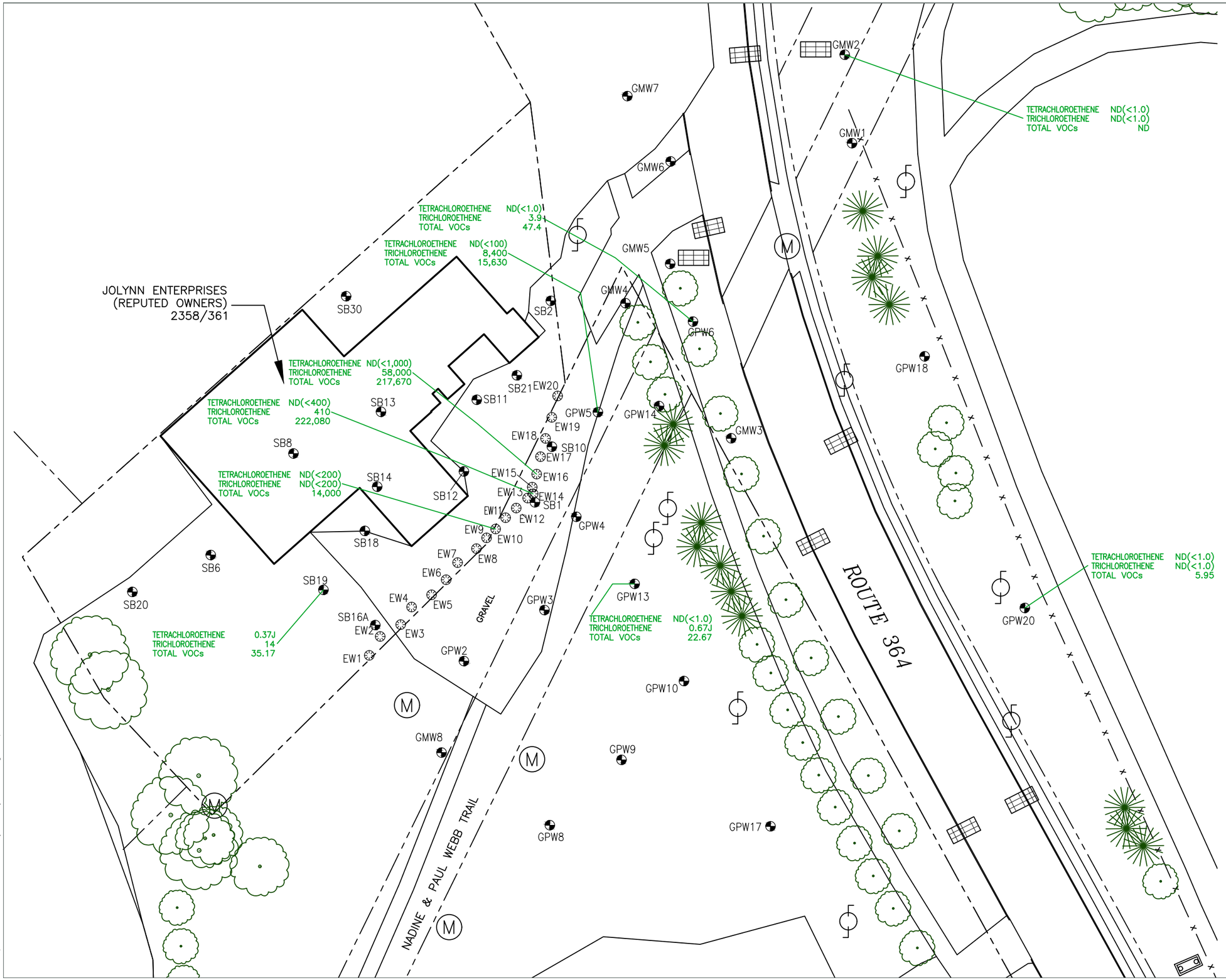

LEGEND

— — —	PROPERTY BOUNDARY
— x —	FENCE
	STORM DRAIN
	CATCH BASIN
M	UTILITY MANHOLE
	UTILITY POLE
	LIGHT POLE
	FIRE HYDRANT
	MONITORING WELL
	SOIL VAPOR EXTRACTION WELL
VOCs	VOLATILE ORGANIC COMPOUNDS
ND	NOT DETECTED
#ND	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
J	LESS THAN REPORTING LIMIT BUT GREATER THAN OR EQUAL TO METHOD DETECTION LIMIT

NOTE:

ALL ANALYTICAL RESULTS ARE IN MICROGRAMS PER LITER (ug/L).

Groundwater Monitoring Map (VOCs)
October 2018

NYSDEC
25 West Lake Road
Mayville, New York

Drawn W.G.S.
Designed
Approved
Date 1/23/19
Figure 3

Scale In Feet
0 50

Groundwater & Environmental Services, Inc.

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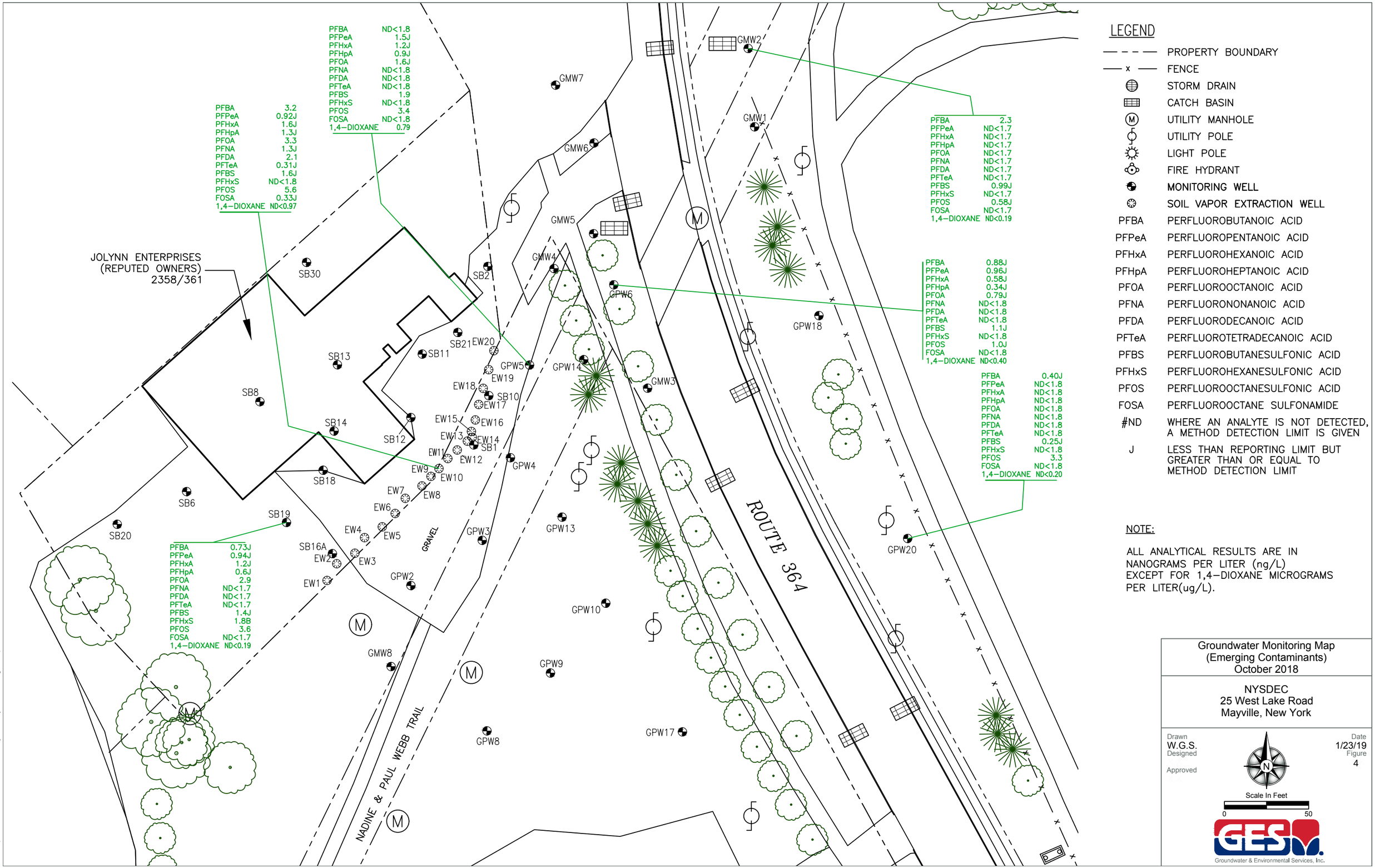

LEGEND

— — —	PROPERTY BOUNDARY
— x —	FENCE
	STORM DRAIN
	CATCH BASIN
M	UTILITY MANHOLE
	UTILITY POLE
	LIGHT POLE
	FIRE HYDRANT
	MONITORING WELL
	SOIL VAPOR EXTRACTION WELL
PFBA	PERFLUOROBUTANOIC ACID
PFPeA	PERFLUOROPENTANOIC ACID
PFHxA	PERFLUOROHEXANOIC ACID
PFHpA	PERFLUOROHEPTANOIC ACID
PFOA	PERFLUOROOCTANOIC ACID
PFNA	PERFLUORONONANOIC ACID
PFDA	PERFLUORODECANOIC ACID
PFTeA	PERFLUOROTETRADECANOIC ACID
PFBS	PERFLUOROBUTANESULFONIC ACID
PFHxS	PERFLUOROHEXANESULFONIC ACID
PFOS	PERFLUOROOCTANESULFONIC ACID
FOSA	PERFLUOROOCTANE SULFONAMIDE
#ND	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
J	LESS THAN REPORTING LIMIT BUT GREATER THAN OR EQUAL TO METHOD DETECTION LIMIT

NOTE:

ALL ANALYTICAL RESULTS ARE IN NANOGRAMS PER LITER (ng/L) EXCEPT FOR 1,4-DIOXANE MICROGRAMS PER LITER(ug/L).

Groundwater Monitoring Map (Emerging Contaminants) October 2018

NYSDEC
25 West Lake Road
Mayville, New York

Drawn W.G.S.
Designed
Approved

Date 1/23/19
Figure 4

Groundwater & Environmental Services, Inc.

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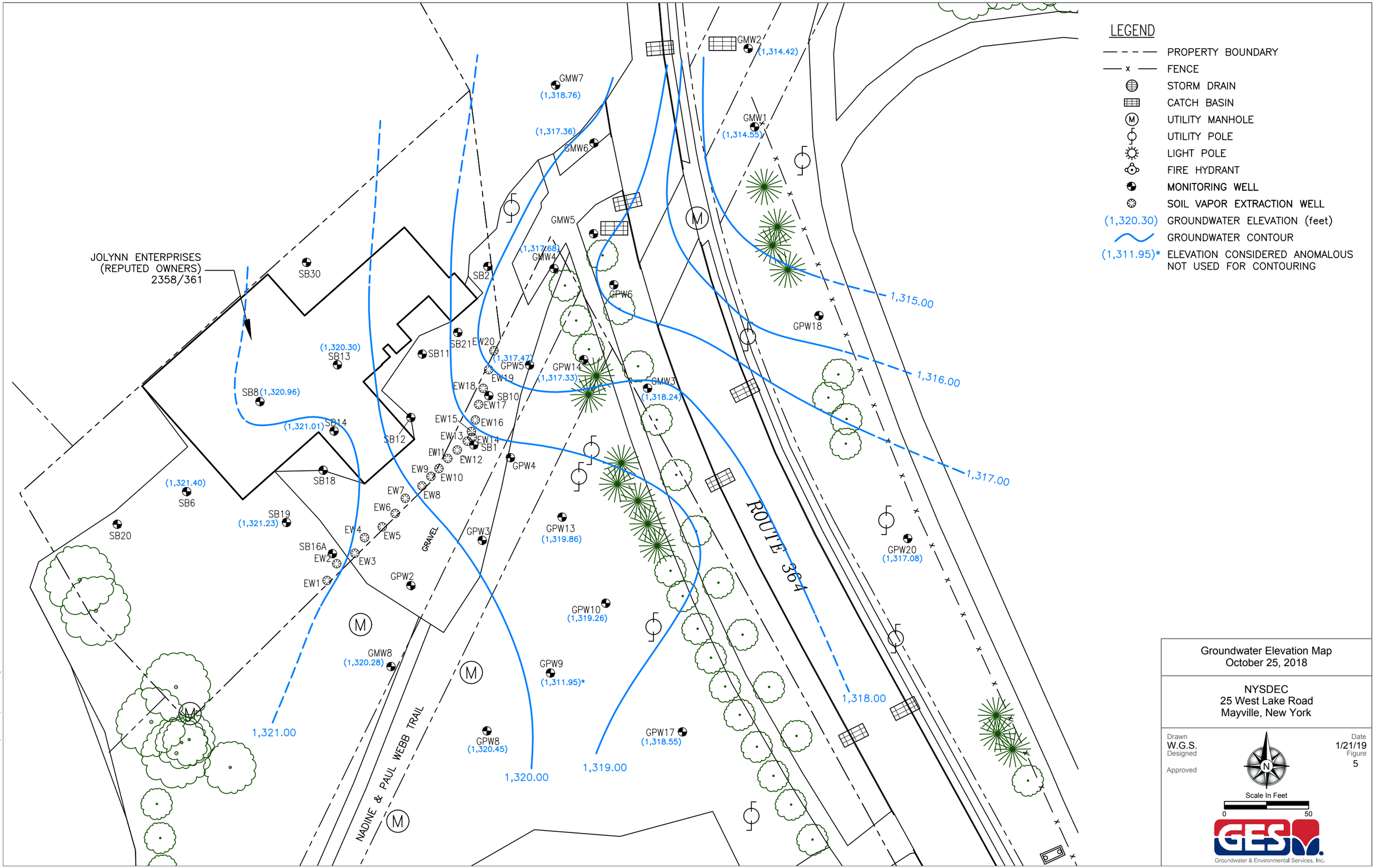

LEGEND

- PROPERTY BOUNDARY
- FENCE
- STORM DRAIN
- CATCH BASIN
- UTILITY MANHOLE
- UTILITY POLE
- LIGHT POLE
- FIRE HYDRANT
- MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- (1,320.30) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR
- (1,311.95)* ELEVATION CONSIDERED ANOMALOUS NOT USED FOR CONTOURING

Groundwater Elevation Map
October 25, 2018

NYSDEC
25 West Lake Road
Mayville, New York

Drawn
W.G.S.
Designed

Approved

Date
1/21/19
Figure
5

Scale In Feet
0 50

Groundwater & Environmental Services, Inc.

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Tables

Table 1

Liquid Level Data - October 23, 2018

Monitoring Well	Date	Well Total Depth (ft)	Top of Casing Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to Product	Thickness	Northing	Easting
SB-1	10/23/2018	Not Located							
SB-2	10/23/2018	Not Located							
SB-6	10/23/2018	9.47	1324.46	3.06	1321.4	-	-	818029.53	900595.703
SB-8	10/23/2018	7.26	1322.74	1.78	1320.96	-	-	818082.727	900639.195
SB-10	10/23/2018	Not Located							
SB-11	10/23/2018	Not Located							
SB-12	10/23/2018	8.80	1321.22	1.42	1319.8	-	-	818073.603	900728.678
SB-13	10/23/2018	10.04	1322.92	2.62	1320.3	-	-	NA	NA
SB-14	10/23/2018	7.65	1322.76	1.75	1321.01	-	-	NA	NA
SB-16 "A"	10/23/2018	Not Located							
SB-18	10/23/2018	Not Located							
SB-19	10/23/2018	8.00	1322.95	1.72	1321.23	-	-	818010.981	900655.154
EW-2	10/23/2018	Not Located							
EW-10*	10/23/2018	11.50	NR	2.11	NA	-	-	NR	NR
EW-14*	10/23/2018	5.24	NR	2.18	NA	-	-	NR	NR
EW-16*	10/23/2018	10.98	NR	2.65	NA	-	-	NR	NR
GPW-3	10/23/2018	Not Located							
GPW-4	10/23/2018	Not Located							
GPW-5	10/23/2018	11.40	1320.87	3.4	1317.47	-	-	818104.68	900799.179
GPW-6	10/23/2018	11.12	1321.75	4.92	1316.83	-	-	818152.31	900849.04
GPW-8	10/23/2018	10.18	1321.19	0.74	1320.45	-	-	817887.67	900773.91
GPW-9	10/23/2018	11.00	1312.41	0.46	1311.95	-	-	817922.054	900811.596
GPW-10	10/23/2018	11.74	1319.62	0.36	1319.26	-	-	817963.417	900844.38
GPW-13	10/23/2018	9.05	1320.1	0.24	1319.86	-	-	818014.737	900818.76
GPW-14	10/23/2018	10.26	1320.1	2.8	1317.3	-	-	818108.086	900831.68

Table 1

Liquid Level Data - October 23, 2018

Monitoring Well	Date	Well Total Depth (ft)	Top of Casing Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to Product	Thickness	Northing	Easting
GPW-17	10/23/2018	11.06	1319.35	0.8	1318.55	-	-	817887.073	900889.937
GPW-18	10/23/2018	Inaccessable							
GPW-20	10/23/2018	9.10	1318.39	1.31	1317.08	-	-	818001.873	901023.609
GMW-1	10/23/2018	14.07	1317.6	3.05	1314.55	-	-	818246.41	900932.7
GMW-2	10/23/2018	11.96	1317.15	2.73	1314.42	-	-	818292.631	900921.638
GMW-3	10/23/2018	13.68	1321.57	3.33	1318.24	-	-	818091.139	900869.094
GMW-4	10/23/2018	11.96	1321.29	3.61	1317.68	-	-	818162.094	900813.751
GMW-5	10/23/2018	13.84	1322.04	4.35	1317.69	-	-	818182.726	900841.894
GMW-6	10/23/2018	13.80	1322.44	5.08	1317.36	-	-	818236.96	900837.4
GMW-7	10/23/2018	13.70	1321.66	2.9	1318.76	-	-	818270.59	900814.621
GMW-8	10/23/2018	13.70	1321.82	1.54	1320.28	-	-	817925.937	900717.186

Notes:
All measurements reported in feet.
NA=Not Applicable
NR=Not Recorded/Not Measured
Top of Casing = Relative Elevation of PVC well casing.
Easting and northing coordinates are according to NAD83 (96 CORS) NYS West, and compared to benchmark (fire hydrant with northing 818054.13, easting 900835.91, elevation 1323.24)
Survey of the wells was completed by Clear Creek Land Surveying, LLC
SB-16 "A" was an unidentifed well that was mistaken for SB-16 by the survey crew. SB-16 was noted to have system piping coming into the road box. SB-16 "A" was gaugable, and thus was given this well ID and gauged.
* = Wells have been installed in tight groupings making it difficult to positively identify the wells at the time of the October 23, 2018 sampling event. Identities were made off site drawings, and will be confirmed at a later date.

Table 2

Groundwater Data Summary - VOCs

EPA Method 8260C	NYSDEC TOGS 1.1.1 GWQS	Sample ID:	EW-10	EW-14	EW-16	GPW-5	GPW-6	GPW-13	GPW-20	GMW-2	SB-19
		Date Sampled:	10/25/2018	10/26/2018	10/25/2018	10/25/2018	10/25/2018	10/24/2018	10/24/2018	10/24/2018	10/25/2018
COMPOUND		UNITS:									
VOLATILE ORGANIC COMPOUNDS											
1,1,1-Trichloroethane	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,1,2,2-Tetrachloroethane	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,1,2-Trichloro-1,2,2-trifluoroethane	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,1,2-Trichloroethane	1	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,1-Dichloroethane	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,1-Dichloroethene	5	(µg/l)	ND (<200)	220 J	370 J	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,2,4-Trichlorobenzene	NS	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,2-Dibromo-3-chloropropane	0.04	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,2-Dibromoethane	NS	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,2-Dichlorobenzene	3	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,2-Dichloroethane	0.6	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,2-Dichloropropane	1	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,3-Dichlorobenzene	3	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,4-Dichlorobenzene	3	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
2-Butanone	NS	(µg/l)	ND (<2000)	ND (<4000)	ND (<10000)	ND (<1000)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)
2-Hexanone	50	(µg/l)	ND (<1000)	ND (<2000)	ND (<5000)	ND (<500)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
4-Methyl-2-pentanone	NS	(µg/l)	ND (<1000)	ND (<2000)	ND (<5000)	ND (<500)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Acetone	50	(µg/l)	ND (<2000)	ND (<4000)	ND (<10000)	ND (<1000)	16	22	5.7 J	ND (<10)	3.2 J
Benzene	1	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Bromodichloromethane	50	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Bromoform	50	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Bromomethane	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Carbon Disulfide	60	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Carbon tetrachloride	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Chlorobenzene	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Chloroethane	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Chloroform	7	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Chloromethane	NS	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
cis-1,2-Dichloroethene	5	(µg/l)	6,900	170,000	150,000	6,800	21	ND (<1.0)	ND (<1.0)	ND (<1.0)	16
cis-1,3-Dichloropropene	NS	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Cyclohexane	NS	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	0.28 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Dibromochloromethane	50	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Dichlorodifluoromethane	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Isopropylbenzene	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Methyl acetate	NS	(µg/l)	ND (<200)	ND (<1000)	ND (<2500)	ND (<250)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)
Methyl tert-butyl ether	10	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Methylcyclohexane	NS	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	0.22 J	ND (<1.0)	0.25 J	ND (<1.0)	ND (<1.0)

Table 2

Groundwater Data Summary - VOCs

EPA Method 8260C	NYSDEC TOGS 1.1.1 GWQS	Sample ID:	EW-10	EW-14	EW-16	GPW-5	GPW-6	GPW-13	GPW-20	GMW-2	SB-19
		Date Sampled:	10/25/2018	10/26/2018	10/25/2018	10/25/2018	10/25/2018	10/24/2018	10/24/2018	10/24/2018	10/25/2018
COMPOUND		UNITS:									
VOLATILE ORGANIC COMPOUNDS											
Methylene chloride	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Styrene	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Tetrachloroethene	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	0.37 J
Toluene	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
trans-1,2-Dichloroethene	5	(µg/l)	ND (<200)	450	1,200	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
trans-1,3-Dichloropropene	0.4	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Trichloroethene	5	(µg/l)	ND (<200)	410	58,000	8,400	3.9	0.67 J	ND (<1.0)	ND (<1.0)	14
Trichlorofluoromethane	5	(µg/l)	ND (<200)	ND (<400)	ND (<1000)	ND (<100)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Vinyl Chloride	2	(µg/l)	7,100	51,000	8,100	430	6.0	ND (<2.0)	ND (<1.0)	ND (<1.0)	1.6
Xylenes, Total	5	(µg/l)	ND (<400)	ND (<800)	ND (<2000)	ND (<200)	ND (<2.0)	ND (<1.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Total VOCs	NS	(µg/l)	14,000	222,080	217,670	15,630	47.4	22.67	5.95	ND	35.17

GW = Groundwater
ft = Feet
µg/L = Micrograms/Liter
NS = No Standard
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

Table 3

Groundwater Data Summary - Emerging Contaminants

Monitoring Well	Date	Perfluoroalkyl carboxylates											Perfluoroalkyl sulfonates					Perfluorooctane-sulfonamides	Perfluorooctane-sulfonamidoacetic acids		Fluorinated Telomer Sulfonates		1,4-Dioxane
		PFBA (ng/L)	PFPeA (ng/L)	PFHxA (ng/L)	PFHpA (ng/L)	PFOA (ng/L)	PFNA (ng/L)	PFDA (ng/L)	PFUnA (ng/L)	PFDoA (ng/L)	PFTriA (ng/L)	PFTeA (ng/L)	PFBS (ng/L)	PFHxS (ng/L)	PFHpS (ng/L)	PFOS (ng/L)	PFDS (ng/L)	FOSA (ng/L)	NMeFOSAA (ng/L)	NEtFOSAA (ng/L)	6:2FTS (ng/L)	8:2FTS (ng/L)	1,4-Dioxane (µg/L)
EW-10	10/25/2018	3.2	0.92 J	1.6 J	1.3 J	3.3	1.3 J	2.1	ND<1.8	ND<1.8	ND<1.8	0.31 J	1.6 J	ND<1.8	ND<1.8	5.6	ND<1.8	0.33 J	ND<18	ND<18	ND<90	ND<90	ND<0.97
GPW-5	10/25/2018	ND<1.8	1.5 J	1.2 J	0.9 J	1.6 J	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	1.9	ND<1.8	ND<1.8	3.4	ND<1.8	ND<1.8	ND<18	ND<18	ND<18	ND<18	0.79
GPW-6	10/25/2018	0.88 J	0.96 J	0.58 J	0.34 J	0.79 J	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	1.1 J	ND<1.8	ND<1.8	1.0 J	ND<1.8	ND<1.8	ND<18	ND<18	ND<18	ND<18	ND<0.40
GPW-20	10/24/2018	0.40 J	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	0.25 J	ND<1.8	ND<1.8	3.3	ND<1.8	ND<1.8	ND<18	ND<18	ND<18	ND<18	ND<0.20
GMW-2	10/24/2018	2.3	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	0.99 J	ND<1.7	ND<1.7	0.58 J	ND<1.7	ND<1.7	ND<17	ND<17	ND<17	ND<17	ND<0.19
SB-19	10/25/2018	0.73 J	0.94 J	1.2 J	0.6 J	2.9	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	1.4 J	1.8 B	ND<1.7	3.6	ND<1.7	ND<1.7	ND<17	ND<17	ND<17	ND<17	ND<0.19

Notes:
GW = Groundwater
ft = Feet
µg/L = Micrograms/Liter
ng/L = Nanograms/Liter
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
B = Compound was found in the blank and sample
PFBA = Perfluorobutanoic Acid
PFPeA = Perfluoropentanoic Acid
PFHxA = Perfluorohexanoic Acid
PFHpA = Perfluoroheptanoic Acid
PFOA = Perfluorooctanoic Acid
PFNA = Perfluorononanoic Acid
PFDA = Perfluorodecanoic Acid
PFUnA = Perfluoroundecanoic Acid
PFDoA = Perfluorododecanoic Acid
PFTriA = Perfluorotridecanoic Acid
PFTeA = Perfluorotetradecanoic Acid
PFBS = Perfluorobutanesulfonic Acid
PFHxS = Perfluorohexanesulfonic Acid
PFHpS = Perfluoroheptanesulfonic Acid
PFOS = Perfluorooctanesulfonic Acid
PFDS = Perfluorodecanesulfonic Acid
FOSA = Perfluorooctane Sulfonamide
NMeFOSAA = N-methyl Perfluorooctane Sulfonamidoacetic Acid
NEtFOSAA = N-ethyl Perfluorooctane Sulfonamidoacetic Acid

Appendix A – Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-145540-1
Client Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Francine Gallego

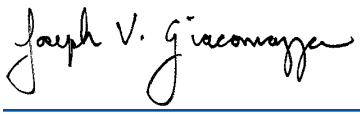
Joseph V. Giacomazza

Authorized for release by:
12/28/2018 2:36:29 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

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.



Joe Giacomazza
Project Management Assistant II
12/28/2018 2:36:29 PM

Table of Contents

Qualifiers

GC/MS Semi VOA

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

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery 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.
H	Sample was prepped or analyzed beyond the specified holding time
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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)

Job ID: 480-145540-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-145540-1

Comments
No additional comments.

Receipt
The samples were received on 11/19/2018 6:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

Receipt Exceptions
The Nitrate and Nitrite tests grouping were not added at login. The login was left unreleased pending resolution. The test were added on 11/26/18. The hold time for these parameters has been exceeded.

GC/MS VOA
Method(s) 8260C: The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following sample was analyzed after 7 days from sampling: MW-5S (480-145540-3).

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

GC/MS Semi VOA
Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-13D (480-145540-2). These results have been reported and qualified.

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

HPLC/IC
Method(s) 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-6S (480-145540-4). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-12D (480-145540-1), MW-13D (480-145540-2), MW-5S (480-145540-3) and MW-6D (480-145540-5). Elevated reporting limits (RLs) are provided.

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

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

General Chemistry
Method(s) 353.2: Analytical batch 446896 started on November 21, 2018 at 10:57 a.m., and sample 480-145540-2 recorded a data acquisition time of November, 21, 2018 at 11:02 am, which is 2 minutes outside of analytical holding time.

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-447452.

Job ID: 480-145540-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-12D — Lab Sample ID: 480-145540-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (C6-C10)	4.5	J B	25	4.2	ug/L	1		8015D	Total/NA
Iron	0.021	J	0.050	0.019	mg/L	1		6010C	Dissolved
Sulfate	20.7		4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate as N	7.1		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	7.1		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.039	J F1	0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-13D — Lab Sample ID: 480-145540-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (C6-C10)	4.4	J B	25	4.2	ug/L	1		8015D	Total/NA
Sulfate	20.4		4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate as N	6.2		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	6.4		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.16	H	0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-5S — Lab Sample ID: 480-145540-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (C6-C10)	4.5	J B	25	4.2	ug/L	1		8015D	Total/NA
Sulfate	25.3		4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate as N	5.7		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	5.9		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.16		0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-6S — Lab Sample ID: 480-145540-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.44	J	5.0	0.40	ug/L	1		8270D	Total/NA
Pyrene	0.36	J	5.0	0.34	ug/L	1		8270D	Total/NA
GRO (C6-C10)	4.4	J B	25	4.2	ug/L	1		8015D	Total/NA
Sulfate	103		10.0	1.7	mg/L	5		300.0	Total/NA
Nitrate as N	4.5		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	4.5		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.036	J	0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-6D — Lab Sample ID: 480-145540-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (C6-C10)	6.2	J B	25	4.2	ug/L	1		8015D	Total/NA
Sulfate	16.0		4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate as N	4.2		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	4.2		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.043	J	0.050	0.020	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-12D
Date Collected: 11/19/18 15:15
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/27/18 13:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/27/18 13:44	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/27/18 13:44	1
Benzene	ND		1.0	0.41	ug/L			11/27/18 13:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/18 13:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/18 13:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/18 13:44	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/27/18 13:44	1
Naphthalene	ND		1.0	0.43	ug/L			11/27/18 13:44	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/27/18 13:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/27/18 13:44	1
o-Xylene	ND		1.0	0.76	ug/L			11/27/18 13:44	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/27/18 13:44	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/27/18 13:44	1
Toluene	ND		1.0	0.51	ug/L			11/27/18 13:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/18 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/27/18 13:44*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/27/18 13:44*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/27/18 13:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/26/18 14:23	12/03/18 17:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/26/18 14:23	12/03/18 17:18	1
Anthracene	ND		5.0	0.28	ug/L		11/26/18 14:23	12/03/18 17:18	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 17:18	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 17:18	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 17:18	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/26/18 14:23	12/03/18 17:18	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/26/18 14:23	12/03/18 17:18	1
Chrysene	ND		5.0	0.33	ug/L		11/26/18 14:23	12/03/18 17:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/26/18 14:23	12/03/18 17:18	1
Fluoranthene	ND		5.0	0.40	ug/L		11/26/18 14:23	12/03/18 17:18	1
Fluorene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 17:18	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 17:18	1
Naphthalene	ND		5.0	0.76	ug/L		11/26/18 14:23	12/03/18 17:18	1
Phenanthrene	ND		5.0	0.44	ug/L		11/26/18 14:23	12/03/18 17:18	1
Pyrene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*41 - 120*	*11/26/18 14:23*	*12/03/18 17:18*	*1*
2-Fluorophenol	*57*		*35 - 120*	*11/26/18 14:23*	*12/03/18 17:18*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*11/26/18 14:23*	*12/03/18 17:18*	*1*
Phenol-d5	*43*		*22 - 120*	*11/26/18 14:23*	*12/03/18 17:18*	*1*
p-Terphenyl-d14	*72*		*59 - 136*	*11/26/18 14:23*	*12/03/18 17:18*	*1*
Nitrobenzene-d5	*86*		*46 - 120*	*11/26/18 14:23*	*12/03/18 17:18*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-12D
Date Collected: 11/19/18 15:15
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-1
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	4.5	J B	25	4.2	ug/L			11/26/18 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*11/26/18 14:39*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		11/26/18 14:18	11/27/18 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*51 - 120*	*11/26/18 14:18*	*11/27/18 21:46*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.021	J	0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	20.7		4.0	0.70	mg/L			11/29/18 18:10	2
Nitrate as N	7.1		0.050	0.020	mg/L			11/21/18 18:36	1
Nitrate Nitrite as N	7.1		0.050	0.020	mg/L			11/21/18 10:40	1
Nitrite as N	0.039	J F1	0.050	0.020	mg/L			11/21/18 11:06	1

Client Sample ID: MW-13D
Date Collected: 11/19/18 11:00
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/27/18 14:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/27/18 14:07	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/27/18 14:07	1
Benzene	ND		1.0	0.41	ug/L			11/27/18 14:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/18 14:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/18 14:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/18 14:07	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/27/18 14:07	1
Naphthalene	ND		1.0	0.43	ug/L			11/27/18 14:07	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/27/18 14:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/27/18 14:07	1
o-Xylene	ND		1.0	0.76	ug/L			11/27/18 14:07	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/27/18 14:07	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/27/18 14:07	1
Toluene	ND		1.0	0.51	ug/L			11/27/18 14:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/18 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/27/18 14:07*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/27/18 14:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/27/18 14:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/26/18 14:23	12/03/18 17:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/26/18 14:23	12/03/18 17:48	1
Anthracene	ND		5.0	0.28	ug/L		11/26/18 14:23	12/03/18 17:48	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 17:48	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 17:48	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 17:48	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/26/18 14:23	12/03/18 17:48	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/26/18 14:23	12/03/18 17:48	1
Chrysene	ND		5.0	0.33	ug/L		11/26/18 14:23	12/03/18 17:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/26/18 14:23	12/03/18 17:48	1
Fluoranthene	ND		5.0	0.40	ug/L		11/26/18 14:23	12/03/18 17:48	1
Fluorene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 17:48	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 17:48	1
Naphthalene	ND		5.0	0.76	ug/L		11/26/18 14:23	12/03/18 17:48	1
Phenanthrene	ND		5.0	0.44	ug/L		11/26/18 14:23	12/03/18 17:48	1
Pyrene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*41 - 120*	*11/26/18 14:23*	*12/03/18 17:48*	*1*
2-Fluorophenol	*59*		*35 - 120*	*11/26/18 14:23*	*12/03/18 17:48*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*11/26/18 14:23*	*12/03/18 17:48*	*1*
Phenol-d5	*47*		*22 - 120*	*11/26/18 14:23*	*12/03/18 17:48*	*1*
p-Terphenyl-d14	*55*	*X*	*59 - 136*	*11/26/18 14:23*	*12/03/18 17:48*	*1*
Nitrobenzene-d5	*84*		*46 - 120*	*11/26/18 14:23*	*12/03/18 17:48*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-13D
Date Collected: 11/19/18 11:00
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-2
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	4.4	J B	25	4.2	ug/L			11/26/18 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*11/26/18 15:13*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		11/26/18 14:18	11/27/18 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*51 - 120*	*11/26/18 14:18*	*11/27/18 22:22*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	20.4		4.0	0.70	mg/L			11/29/18 18:18	2
Nitrate as N	6.2		0.050	0.020	mg/L			11/21/18 18:37	1
Nitrate Nitrite as N	6.4		0.050	0.020	mg/L			11/21/18 10:33	1
Nitrite as N	0.16	H	0.050	0.020	mg/L			11/21/18 11:02	1

Client Sample ID: MW-5S
Date Collected: 11/19/18 14:20
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/28/18 02:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 02:06	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 02:06	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 02:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 02:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 02:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 02:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 02:06	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 02:06	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/28/18 02:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/28/18 02:06	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 02:06	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/28/18 02:06	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 02:06	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 02:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*11/28/18 02:06*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/28/18 02:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/28/18 02:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/26/18 14:23	12/03/18 18:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/26/18 14:23	12/03/18 18:18	1
Anthracene	ND		5.0	0.28	ug/L		11/26/18 14:23	12/03/18 18:18	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 18:18	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 18:18	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 18:18	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/26/18 14:23	12/03/18 18:18	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/26/18 14:23	12/03/18 18:18	1
Chrysene	ND		5.0	0.33	ug/L		11/26/18 14:23	12/03/18 18:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/26/18 14:23	12/03/18 18:18	1
Fluoranthene	ND		5.0	0.40	ug/L		11/26/18 14:23	12/03/18 18:18	1
Fluorene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 18:18	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 18:18	1
Naphthalene	ND		5.0	0.76	ug/L		11/26/18 14:23	12/03/18 18:18	1
Phenanthrene	ND		5.0	0.44	ug/L		11/26/18 14:23	12/03/18 18:18	1
Pyrene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*41 - 120*	*11/26/18 14:23*	*12/03/18 18:18*	*1*
2-Fluorophenol	*60*		*35 - 120*	*11/26/18 14:23*	*12/03/18 18:18*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*11/26/18 14:23*	*12/03/18 18:18*	*1*
Phenol-d5	*45*		*22 - 120*	*11/26/18 14:23*	*12/03/18 18:18*	*1*
p-Terphenyl-d14	*65*		*59 - 136*	*11/26/18 14:23*	*12/03/18 18:18*	*1*
Nitrobenzene-d5	*83*		*46 - 120*	*11/26/18 14:23*	*12/03/18 18:18*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-5S
Date Collected: 11/19/18 14:20
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-3
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	4.5	J B	25	4.2	ug/L			11/26/18 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*107*		*80 - 120*		*11/26/18 15:48*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		11/26/18 14:18	11/27/18 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*51 - 120*	*11/26/18 14:18*	*11/27/18 22:58*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	25.3		4.0	0.70	mg/L			11/29/18 18:26	2
Nitrate as N	5.7		0.050	0.020	mg/L			11/21/18 18:43	1
Nitrate Nitrite as N	5.9		0.050	0.020	mg/L			11/21/18 10:38	1
Nitrite as N	0.16		0.050	0.020	mg/L			11/21/18 11:05	1

Client Sample ID: MW-6S
Date Collected: 11/19/18 12:00
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/27/18 14:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/27/18 14:30	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/27/18 14:30	1
Benzene	ND		1.0	0.41	ug/L			11/27/18 14:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/18 14:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/18 14:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/18 14:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/27/18 14:30	1
Naphthalene	ND		1.0	0.43	ug/L			11/27/18 14:30	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/27/18 14:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/27/18 14:30	1
o-Xylene	ND		1.0	0.76	ug/L			11/27/18 14:30	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/27/18 14:30	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/27/18 14:30	1
Toluene	ND		1.0	0.51	ug/L			11/27/18 14:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/18 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*11/27/18 14:30*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/27/18 14:30*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/27/18 14:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/26/18 14:23	12/03/18 18:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/26/18 14:23	12/03/18 18:47	1
Anthracene	ND		5.0	0.28	ug/L		11/26/18 14:23	12/03/18 18:47	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 18:47	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 18:47	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 18:47	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/26/18 14:23	12/03/18 18:47	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/26/18 14:23	12/03/18 18:47	1
Chrysene	ND		5.0	0.33	ug/L		11/26/18 14:23	12/03/18 18:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/26/18 14:23	12/03/18 18:47	1
Fluoranthene	**0.44**	**J**	5.0	0.40	ug/L		11/26/18 14:23	12/03/18 18:47	1
Fluorene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 18:47	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 18:47	1
Naphthalene	ND		5.0	0.76	ug/L		11/26/18 14:23	12/03/18 18:47	1
Phenanthrene	ND		5.0	0.44	ug/L		11/26/18 14:23	12/03/18 18:47	1
Pyrene	**0.36**	**J**	5.0	0.34	ug/L		11/26/18 14:23	12/03/18 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*41 - 120*	*11/26/18 14:23*	*12/03/18 18:47*	*1*
2-Fluorophenol	*53*		*35 - 120*	*11/26/18 14:23*	*12/03/18 18:47*	*1*
2-Fluorobiphenyl	*72*		*48 - 120*	*11/26/18 14:23*	*12/03/18 18:47*	*1*
Phenol-d5	*40*		*22 - 120*	*11/26/18 14:23*	*12/03/18 18:47*	*1*
p-Terphenyl-d14	*60*		*59 - 136*	*11/26/18 14:23*	*12/03/18 18:47*	*1*
Nitrobenzene-d5	*73*		*46 - 120*	*11/26/18 14:23*	*12/03/18 18:47*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-6S
Date Collected: 11/19/18 12:00
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-4
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	4.4	J B	25	4.2	ug/L			11/26/18 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*11/26/18 16:23*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		11/26/18 14:18	11/27/18 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*51 - 120*	*11/26/18 14:18*	*11/27/18 23:34*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	103		10.0	1.7	mg/L			11/29/18 18:34	5
Nitrate as N	4.5		0.050	0.020	mg/L			11/21/18 18:44	1
Nitrate Nitrite as N	4.5		0.050	0.020	mg/L			11/21/18 10:36	1
Nitrite as N	0.036	J	0.050	0.020	mg/L			11/21/18 11:03	1

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-6D
Date Collected: 11/19/18 12:30
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/27/18 14:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/27/18 14:53	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/27/18 14:53	1
Benzene	ND		1.0	0.41	ug/L			11/27/18 14:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/18 14:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/18 14:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/18 14:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/27/18 14:53	1
Naphthalene	ND		1.0	0.43	ug/L			11/27/18 14:53	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/27/18 14:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/27/18 14:53	1
o-Xylene	ND		1.0	0.76	ug/L			11/27/18 14:53	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/27/18 14:53	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/27/18 14:53	1
Toluene	ND		1.0	0.51	ug/L			11/27/18 14:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/18 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/27/18 14:53*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/27/18 14:53*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/27/18 14:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/26/18 14:23	12/03/18 19:17	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/26/18 14:23	12/03/18 19:17	1
Anthracene	ND		5.0	0.28	ug/L		11/26/18 14:23	12/03/18 19:17	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 19:17	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 19:17	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 19:17	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/26/18 14:23	12/03/18 19:17	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/26/18 14:23	12/03/18 19:17	1
Chrysene	ND		5.0	0.33	ug/L		11/26/18 14:23	12/03/18 19:17	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/26/18 14:23	12/03/18 19:17	1
Fluoranthene	ND		5.0	0.40	ug/L		11/26/18 14:23	12/03/18 19:17	1
Fluorene	ND		5.0	0.36	ug/L		11/26/18 14:23	12/03/18 19:17	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	12/03/18 19:17	1
Naphthalene	ND		5.0	0.76	ug/L		11/26/18 14:23	12/03/18 19:17	1
Phenanthrene	ND		5.0	0.44	ug/L		11/26/18 14:23	12/03/18 19:17	1
Pyrene	ND		5.0	0.34	ug/L		11/26/18 14:23	12/03/18 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*41 - 120*	*11/26/18 14:23*	*12/03/18 19:17*	*1*
2-Fluorophenol	*60*		*35 - 120*	*11/26/18 14:23*	*12/03/18 19:17*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*11/26/18 14:23*	*12/03/18 19:17*	*1*
Phenol-d5	*46*		*22 - 120*	*11/26/18 14:23*	*12/03/18 19:17*	*1*
p-Terphenyl-d14	*76*		*59 - 136*	*11/26/18 14:23*	*12/03/18 19:17*	*1*
Nitrobenzene-d5	*87*		*46 - 120*	*11/26/18 14:23*	*12/03/18 19:17*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-6D
Date Collected: 11/19/18 12:30
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-5
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	6.2	J B	25	4.2	ug/L			11/26/18 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*80 - 120*		*11/26/18 16:58*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		11/26/18 14:18	11/28/18 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*51 - 120*	*11/26/18 14:18*	*11/28/18 00:10*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	16.0		4.0	0.70	mg/L			11/29/18 19:15	2
Nitrate as N	4.2		0.050	0.020	mg/L			11/21/18 18:45	1
Nitrate Nitrite as N	4.2		0.050	0.020	mg/L			11/21/18 10:37	1
Nitrite as N	0.043	J	0.050	0.020	mg/L			11/21/18 11:04	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)
480-145540-1	MW-12D	96	103	101
480-145540-2	MW-13D	98	103	100
480-145540-3	MW-5S	99	103	98
480-145540-4	MW-6S	95	103	100
480-145540-5	MW-6D	101	105	102
LCS 480-447522/5	Lab Control Sample	95	103	100
LCS 480-447733/5	Lab Control Sample	97	107	102
MB 480-447522/7	Method Blank	95	104	100
MB 480-447733/7	Method Blank	101	103	100

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	FBP	PHL	TPHd14	NBZ
Lab Sample ID	Client Sample ID	(41-120)	(35-120)	(48-120)	(22-120)	(59-136)	(46-120)
480-145540-1	MW-12D	66	57	86	43	72	86
480-145540-2	MW-13D	66	59	83	47	55 X	84
480-145540-3	MW-5S	68	60	83	45	65	83
480-145540-4	MW-6S	62	53	72	40	60	73
480-145540-5	MW-6D	66	60	86	46	76	87
LCS 480-447455/2-A	Lab Control Sample	83	61	83	51	92	90
MB 480-447455/1-A	Method Blank	58	55	74	41	85	75

Surrogate Legend

TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14
NBZ = Nitrobenzene-d5

Method: 8015D - Gasoline Range Organics (GRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(80-120)
480-145540-1	MW-12D	106
480-145540-2	MW-13D	106
480-145540-3	MW-5S	107
480-145540-4	MW-6S	106
480-145540-5	MW-6D	103
LCS 480-447406/4	Lab Control Sample	101
LCSD 480-447406/5	Lab Control Sample Dup	101

Surrogate Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TFT2 (80-120)							
MB 480-447406/3	Method Blank	105							

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: 8015D - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OTPH (51-120)							
480-145540-1	MW-12D	80							
480-145540-2	MW-13D	78							
480-145540-3	MW-5S	76							
480-145540-4	MW-6S	81							
480-145540-5	MW-6D	85							
LCS 480-447452/2-A	Lab Control Sample	77							
LCSD 480-447452/3-A	Lab Control Sample Dup	80							
MB 480-447452/1-A	Method Blank	85							

Surrogate Legend

OTPH = o-Terphenyl

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

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

Lab Sample ID: MB 480-447522/7
Matrix: Water
Analysis Batch: 447522

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/27/18 09:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/27/18 09:39	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/27/18 09:39	1
Benzene	ND		1.0	0.41	ug/L			11/27/18 09:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/18 09:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/18 09:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/18 09:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/27/18 09:39	1
Naphthalene	ND		1.0	0.43	ug/L			11/27/18 09:39	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/27/18 09:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/27/18 09:39	1
o-Xylene	ND		1.0	0.76	ug/L			11/27/18 09:39	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/27/18 09:39	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/27/18 09:39	1
Toluene	ND		1.0	0.51	ug/L			11/27/18 09:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/18 09:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*11/27/18 09:39*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/27/18 09:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/27/18 09:39*	*1*

Lab Sample ID: LCS 480-447522/5
Matrix: Water
Analysis Batch: 447522

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	26.2		ug/L		105	76 - 121
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		105	77 - 121
4-Isopropyltoluene	25.0	27.1		ug/L		108	73 - 120
Benzene	25.0	25.0		ug/L		100	71 - 124
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
Isopropylbenzene	25.0	25.6		ug/L		103	77 - 122
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120
m-Xylene & p-Xylene	25.0	25.5		ug/L		102	76 - 122
Naphthalene	25.0	26.1		ug/L		104	66 - 125
n-Butylbenzene	25.0	26.6		ug/L		107	71 - 128
N-Propylbenzene	25.0	25.8		ug/L		103	75 - 127
o-Xylene	25.0	25.6		ug/L		103	76 - 122
sec-Butylbenzene	25.0	26.8		ug/L		107	74 - 127
tert-Butylbenzene	25.0	26.0		ug/L		104	75 - 123
Toluene	25.0	25.5		ug/L		102	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 480-447733/7
Matrix: Water
Analysis Batch: 447733

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/27/18 21:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/27/18 21:53	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/27/18 21:53	1
Benzene	ND		1.0	0.41	ug/L			11/27/18 21:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/18 21:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/18 21:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/18 21:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/27/18 21:53	1
Naphthalene	ND		1.0	0.43	ug/L			11/27/18 21:53	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/27/18 21:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/27/18 21:53	1
o-Xylene	ND		1.0	0.76	ug/L			11/27/18 21:53	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/27/18 21:53	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/27/18 21:53	1
Toluene	ND		1.0	0.51	ug/L			11/27/18 21:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/18 21:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/27/18 21:53*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/27/18 21:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/27/18 21:53*	*1*

Lab Sample ID: LCS 480-447733/5
Matrix: Water
Analysis Batch: 447733

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	24.9		ug/L		100	76 - 121
1,3,5-Trimethylbenzene	25.0	24.5		ug/L		98	77 - 121
4-Isopropyltoluene	25.0	25.3		ug/L		101	73 - 120
Benzene	25.0	24.4		ug/L		98	71 - 124
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl tert-butyl ether	25.0	23.0		ug/L		92	77 - 120
m-Xylene & p-Xylene	25.0	24.9		ug/L		99	76 - 122
Naphthalene	25.0	25.2		ug/L		101	66 - 125
n-Butylbenzene	25.0	24.2		ug/L		97	71 - 128
N-Propylbenzene	25.0	24.1		ug/L		96	75 - 127
o-Xylene	25.0	25.3		ug/L		101	76 - 122
sec-Butylbenzene	25.0	25.0		ug/L		100	74 - 127
tert-Butylbenzene	25.0	24.6		ug/L		99	75 - 123
Toluene	25.0	24.2		ug/L		97	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 480-447455/1-A
Matrix: Water
Analysis Batch: 448392

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/26/18 14:23	11/30/18 22:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/26/18 14:23	11/30/18 22:56	1
Anthracene	ND		5.0	0.28	ug/L		11/26/18 14:23	11/30/18 22:56	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/26/18 14:23	11/30/18 22:56	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	11/30/18 22:56	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/26/18 14:23	11/30/18 22:56	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/26/18 14:23	11/30/18 22:56	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/26/18 14:23	11/30/18 22:56	1
Chrysene	ND		5.0	0.33	ug/L		11/26/18 14:23	11/30/18 22:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/26/18 14:23	11/30/18 22:56	1
Fluoranthene	ND		5.0	0.40	ug/L		11/26/18 14:23	11/30/18 22:56	1
Fluorene	ND		5.0	0.36	ug/L		11/26/18 14:23	11/30/18 22:56	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/26/18 14:23	11/30/18 22:56	1
Naphthalene	ND		5.0	0.76	ug/L		11/26/18 14:23	11/30/18 22:56	1
Phenanthrene	ND		5.0	0.44	ug/L		11/26/18 14:23	11/30/18 22:56	1
Pyrene	ND		5.0	0.34	ug/L		11/26/18 14:23	11/30/18 22:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*41 - 120*	*11/26/18 14:23*	*11/30/18 22:56*	*1*
2-Fluorophenol	*55*		*35 - 120*	*11/26/18 14:23*	*11/30/18 22:56*	*1*
2-Fluorobiphenyl	*74*		*48 - 120*	*11/26/18 14:23*	*11/30/18 22:56*	*1*
Phenol-d5	*41*		*22 - 120*	*11/26/18 14:23*	*11/30/18 22:56*	*1*
p-Terphenyl-d14	*85*		*59 - 136*	*11/26/18 14:23*	*11/30/18 22:56*	*1*
Nitrobenzene-d5	*75*		*46 - 120*	*11/26/18 14:23*	*11/30/18 22:56*	*1*

Lab Sample ID: LCS 480-447455/2-A
Matrix: Water
Analysis Batch: 448392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	32.5		ug/L		101	60 - 120
Acenaphthylene	32.0	32.9		ug/L		103	63 - 120
Anthracene	32.0	35.0		ug/L		109	67 - 120
Benzo(a)anthracene	32.0	34.6		ug/L		108	70 - 121
Benzo(a)pyrene	32.0	36.0		ug/L		112	60 - 123
Benzo(b)fluoranthene	32.0	36.7		ug/L		115	66 - 126
Benzo(g,h,i)perylene	32.0	35.9		ug/L		112	66 - 150
Benzo(k)fluoranthene	32.0	36.0		ug/L		112	65 - 124
Chrysene	32.0	34.6		ug/L		108	69 - 120
Dibenz(a,h)anthracene	32.0	36.4		ug/L		114	65 - 135
Fluoranthene	32.0	35.5		ug/L		111	69 - 126
Fluorene	32.0	33.1		ug/L		103	66 - 120
Indeno(1,2,3-cd)pyrene	32.0	36.7		ug/L		115	69 - 146
Naphthalene	32.0	29.1		ug/L		91	57 - 120
Phenanthrene	32.0	34.6		ug/L		108	68 - 120
Pyrene	32.0	34.6		ug/L		108	70 - 125

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

Lab Sample ID: LCS 480-447455/2-A
Matrix: Water
Analysis Batch: 448392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447455

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*83*		*41 - 120*
2-Fluorophenol	*61*		*35 - 120*
2-Fluorobiphenyl	*83*		*48 - 120*
Phenol-d5	*51*		*22 - 120*
p-Terphenyl-d14	*92*		*59 - 136*
Nitrobenzene-d5	*90*		*46 - 120*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 480-447406/3
Matrix: Water
Analysis Batch: 447406

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	10.3	J	25	4.2	ug/L			11/26/18 12:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*80 - 120*		*11/26/18 12:54*	*1*

Lab Sample ID: LCS 480-447406/4
Matrix: Water
Analysis Batch: 447406

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C6-C10)			200	148		ug/L		74	66 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*101*		*80 - 120*

Lab Sample ID: LCSD 480-447406/5
Matrix: Water
Analysis Batch: 447406

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C6-C10)			200	159		ug/L		79	66 - 120	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*101*		*80 - 120*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-447452/1-A
Matrix: Water
Analysis Batch: 447517

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		11/26/18 14:18	11/27/18 19:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		51 - 120	11/26/18 14:18	11/27/18 19:58	1

Lab Sample ID: LCS 480-447452/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 447517 — **Prep Batch: 447452**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	6.00	5.37		mg/L		90	57 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	77		51 - 120

Lab Sample ID: LCSD 480-447452/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 447517 — **Prep Batch: 447452**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	6.00	5.28		mg/L		88	57 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	80		51 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-448471/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 448994 — **Prep Batch: 448685**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:05	1

Lab Sample ID: LCS 480-448471/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 448994 — **Prep Batch: 448685**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	10.0	9.99		mg/L		100	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-448144/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448144

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			11/29/18 17:45	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-448144/27
Matrix: Water
Analysis Batch: 448144

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			50.0	48.59		mg/L		97	90 - 110		

Lab Sample ID: 480-145540-4 MS
Matrix: Water
Analysis Batch: 448144

Client Sample ID: MW-6S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	103		250	354.7		mg/L		101	80 - 120		

Lab Sample ID: 480-145540-4 MSD
Matrix: Water
Analysis Batch: 448144

Client Sample ID: MW-6S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	103		250	353.0		mg/L		100	80 - 120	0	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-446896/3
Matrix: Water
Analysis Batch: 446896

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 10:59	1

Lab Sample ID: LCS 480-446896/4
Matrix: Water
Analysis Batch: 446896

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrite as N			1.50	1.55		mg/L		103	90 - 110		

Lab Sample ID: 480-145540-1 MS
Matrix: Water
Analysis Batch: 446896

Client Sample ID: MW-12D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrite as N	0.039	J F1	1.00	1.15	F1	mg/L		111	90 - 110		

Lab Sample ID: 480-145540-1 DU
Matrix: Water
Analysis Batch: 446896

Client Sample ID: MW-12D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrite as N	0.039	J F1	0.0391	J	mg/L				0.3	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 480-446883/4
Matrix: Water
Analysis Batch: 446883

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 10:30	1

Lab Sample ID: LCS 480-446883/5
Matrix: Water
Analysis Batch: 446883

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.50	1.64		mg/L		109	90 - 110

Lab Sample ID: 480-145540-2 MS
Matrix: Water
Analysis Batch: 446883

Client Sample ID: MW-13D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	6.3		1.00	7.40	4	mg/L		108	90 - 110

Lab Sample ID: 480-145540-5 MS
Matrix: Water
Analysis Batch: 446883

Client Sample ID: MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	4.3	F1	2.00	5.10	F1	mg/L		38	90 - 110

Lab Sample ID: 480-145540-2 DU
Matrix: Water
Analysis Batch: 446883

Client Sample ID: MW-13D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	6.3		6.39		mg/L		1	20

Lab Sample ID: 480-145540-5 DU
Matrix: Water
Analysis Batch: 446883

Client Sample ID: MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	4.3	F1	4.70		mg/L		8	20

GC/MS VOA

Analysis Batch: 447522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	8260C	
480-145540-2	MW-13D	Total/NA	Water	8260C	
480-145540-4	MW-6S	Total/NA	Water	8260C	
480-145540-5	MW-6D	Total/NA	Water	8260C	
MB 480-447522/7	Method Blank	Total/NA	Water	8260C	
LCS 480-447522/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 447733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-3	MW-5S	Total/NA	Water	8260C	
MB 480-447733/7	Method Blank	Total/NA	Water	8260C	
LCS 480-447733/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 447455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	3510C	
480-145540-2	MW-13D	Total/NA	Water	3510C	
480-145540-3	MW-5S	Total/NA	Water	3510C	
480-145540-4	MW-6S	Total/NA	Water	3510C	
480-145540-5	MW-6D	Total/NA	Water	3510C	
MB 480-447455/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-447455/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 448392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-447455/1-A	Method Blank	Total/NA	Water	8270D	447455
LCS 480-447455/2-A	Lab Control Sample	Total/NA	Water	8270D	447455

Analysis Batch: 448772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	8270D	447455
480-145540-2	MW-13D	Total/NA	Water	8270D	447455
480-145540-3	MW-5S	Total/NA	Water	8270D	447455
480-145540-4	MW-6S	Total/NA	Water	8270D	447455
480-145540-5	MW-6D	Total/NA	Water	8270D	447455

GC VOA

Analysis Batch: 447406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	8015D	
480-145540-2	MW-13D	Total/NA	Water	8015D	
480-145540-3	MW-5S	Total/NA	Water	8015D	
480-145540-4	MW-6S	Total/NA	Water	8015D	
480-145540-5	MW-6D	Total/NA	Water	8015D	
MB 480-447406/3	Method Blank	Total/NA	Water	8015D	
LCS 480-447406/4	Lab Control Sample	Total/NA	Water	8015D	
LCSD 480-447406/5	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 447452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	3510C	
480-145540-2	MW-13D	Total/NA	Water	3510C	
480-145540-3	MW-5S	Total/NA	Water	3510C	
480-145540-4	MW-6S	Total/NA	Water	3510C	
480-145540-5	MW-6D	Total/NA	Water	3510C	
MB 480-447452/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-447452/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-447452/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 447517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	8015D	447452
480-145540-2	MW-13D	Total/NA	Water	8015D	447452
480-145540-3	MW-5S	Total/NA	Water	8015D	447452
480-145540-4	MW-6S	Total/NA	Water	8015D	447452
480-145540-5	MW-6D	Total/NA	Water	8015D	447452
MB 480-447452/1-A	Method Blank	Total/NA	Water	8015D	447452
LCS 480-447452/2-A	Lab Control Sample	Total/NA	Water	8015D	447452
LCSD 480-447452/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	447452

Metals

Filtration Batch: 448471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Dissolved	Water	FILTRATION	
480-145540-2	MW-13D	Dissolved	Water	FILTRATION	
480-145540-3	MW-5S	Dissolved	Water	FILTRATION	
480-145540-4	MW-6S	Dissolved	Water	FILTRATION	
480-145540-5	MW-6D	Dissolved	Water	FILTRATION	
MB 480-448471/1-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	

Prep Batch: 448685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Dissolved	Water	3005A	448471
480-145540-2	MW-13D	Dissolved	Water	3005A	448471
480-145540-3	MW-5S	Dissolved	Water	3005A	448471
480-145540-4	MW-6S	Dissolved	Water	3005A	448471
480-145540-5	MW-6D	Dissolved	Water	3005A	448471
MB 480-448471/1-B	Method Blank	Dissolved	Water	3005A	448471
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	3005A	448471

Analysis Batch: 448994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Dissolved	Water	6010C	448685
480-145540-2	MW-13D	Dissolved	Water	6010C	448685
480-145540-3	MW-5S	Dissolved	Water	6010C	448685
480-145540-4	MW-6S	Dissolved	Water	6010C	448685
480-145540-5	MW-6D	Dissolved	Water	6010C	448685
MB 480-448471/1-B	Method Blank	Dissolved	Water	6010C	448685

Metals (Continued)

Analysis Batch: 448994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	6010C	448685

General Chemistry

Analysis Batch: 446775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	353.2	
480-145540-2	MW-13D	Total/NA	Water	353.2	
480-145540-3	MW-5S	Total/NA	Water	353.2	
480-145540-4	MW-6S	Total/NA	Water	353.2	
480-145540-5	MW-6D	Total/NA	Water	353.2	

Analysis Batch: 446883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	353.2	
480-145540-2	MW-13D	Total/NA	Water	353.2	
480-145540-3	MW-5S	Total/NA	Water	353.2	
480-145540-4	MW-6S	Total/NA	Water	353.2	
480-145540-5	MW-6D	Total/NA	Water	353.2	
MB 480-446883/4	Method Blank	Total/NA	Water	353.2	
LCS 480-446883/5	Lab Control Sample	Total/NA	Water	353.2	
480-145540-2 MS	MW-13D	Total/NA	Water	353.2	
480-145540-5 MS	MW-6D	Total/NA	Water	353.2	
480-145540-2 DU	MW-13D	Total/NA	Water	353.2	
480-145540-5 DU	MW-6D	Total/NA	Water	353.2	

Analysis Batch: 446896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	353.2	
480-145540-2	MW-13D	Total/NA	Water	353.2	
480-145540-3	MW-5S	Total/NA	Water	353.2	
480-145540-4	MW-6S	Total/NA	Water	353.2	
480-145540-5	MW-6D	Total/NA	Water	353.2	
MB 480-446896/3	Method Blank	Total/NA	Water	353.2	
LCS 480-446896/4	Lab Control Sample	Total/NA	Water	353.2	
480-145540-1 MS	MW-12D	Total/NA	Water	353.2	
480-145540-1 DU	MW-12D	Total/NA	Water	353.2	

Analysis Batch: 448144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145540-1	MW-12D	Total/NA	Water	300.0	
480-145540-2	MW-13D	Total/NA	Water	300.0	
480-145540-3	MW-5S	Total/NA	Water	300.0	
480-145540-4	MW-6S	Total/NA	Water	300.0	
480-145540-5	MW-6D	Total/NA	Water	300.0	
MB 480-448144/28	Method Blank	Total/NA	Water	300.0	
LCS 480-448144/27	Lab Control Sample	Total/NA	Water	300.0	
480-145540-4 MS	MW-6S	Total/NA	Water	300.0	
480-145540-4 MSD	MW-6S	Total/NA	Water	300.0	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-12D

Lab Sample ID: 480-145540-1

Date Collected: 11/19/18 15:15

Matrix: Water

Date Received: 11/19/18 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447522	11/27/18 13:44	NMC	TAL BUF
Total/NA	Prep	3510C			447455	11/26/18 14:23	ATG	TAL BUF
Total/NA	Analysis	8270D		1	448772	12/03/18 17:18	RJS	TAL BUF
Total/NA	Analysis	8015D		1	447406	11/26/18 14:39	JLS	TAL BUF
Total/NA	Prep	3510C			447452	11/26/18 14:18	ATG	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 21:46	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:12	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448144	11/29/18 18:10	DMR	TAL BUF
Total/NA	Analysis	353.2		1	446883	11/21/18 10:40	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446896	11/21/18 11:06	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446775	11/21/18 18:36	DCB	TAL BUF

Client Sample ID: MW-13D

Lab Sample ID: 480-145540-2

Date Collected: 11/19/18 11:00

Matrix: Water

Date Received: 11/19/18 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447522	11/27/18 14:07	NMC	TAL BUF
Total/NA	Prep	3510C			447455	11/26/18 14:23	ATG	TAL BUF
Total/NA	Analysis	8270D		1	448772	12/03/18 17:48	RJS	TAL BUF
Total/NA	Analysis	8015D		1	447406	11/26/18 15:13	JLS	TAL BUF
Total/NA	Prep	3510C			447452	11/26/18 14:18	ATG	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 22:22	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:16	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448144	11/29/18 18:18	DMR	TAL BUF
Total/NA	Analysis	353.2		1	446883	11/21/18 10:33	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446896	11/21/18 11:02	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446775	11/21/18 18:37	DCB	TAL BUF

Client Sample ID: MW-5S

Lab Sample ID: 480-145540-3

Date Collected: 11/19/18 14:20

Matrix: Water

Date Received: 11/19/18 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447733	11/28/18 02:06	AMM	TAL BUF
Total/NA	Prep	3510C			447455	11/26/18 14:23	ATG	TAL BUF
Total/NA	Analysis	8270D		1	448772	12/03/18 18:18	RJS	TAL BUF
Total/NA	Analysis	8015D		1	447406	11/26/18 15:48	JLS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-5S

Lab Sample ID: 480-145540-3

Date Collected: 11/19/18 14:20
Date Received: 11/19/18 18:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			447452	11/26/18 14:18	ATG	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 22:58	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:19	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448144	11/29/18 18:26	DMR	TAL BUF
Total/NA	Analysis	353.2		1	446883	11/21/18 10:38	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446896	11/21/18 11:05	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446775	11/21/18 18:43	DCB	TAL BUF

Client Sample ID: MW-6S

Lab Sample ID: 480-145540-4

Date Collected: 11/19/18 12:00
Date Received: 11/19/18 18:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447522	11/27/18 14:30	NMC	TAL BUF
Total/NA	Prep	3510C			447455	11/26/18 14:23	ATG	TAL BUF
Total/NA	Analysis	8270D		1	448772	12/03/18 18:47	RJS	TAL BUF
Total/NA	Analysis	8015D		1	447406	11/26/18 16:23	JLS	TAL BUF
Total/NA	Prep	3510C			447452	11/26/18 14:18	ATG	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 23:34	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:34	LMH	TAL BUF
Total/NA	Analysis	300.0		5	448144	11/29/18 18:34	DMR	TAL BUF
Total/NA	Analysis	353.2		1	446883	11/21/18 10:36	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446896	11/21/18 11:03	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446775	11/21/18 18:44	DCB	TAL BUF

Client Sample ID: MW-6D

Lab Sample ID: 480-145540-5

Date Collected: 11/19/18 12:30
Date Received: 11/19/18 18:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447522	11/27/18 14:53	NMC	TAL BUF
Total/NA	Prep	3510C			447455	11/26/18 14:23	ATG	TAL BUF
Total/NA	Analysis	8270D		1	448772	12/03/18 19:17	RJS	TAL BUF
Total/NA	Analysis	8015D		1	447406	11/26/18 16:58	JLS	TAL BUF
Total/NA	Prep	3510C			447452	11/26/18 14:18	ATG	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/28/18 00:10	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Client Sample ID: MW-6D
Date Collected: 11/19/18 12:30
Date Received: 11/19/18 18:20

Lab Sample ID: 480-145540-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1	448994	12/04/18 12:38	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448144	11/29/18 19:15	DMR	TAL BUF
Total/NA	Analysis	353.2		1	446883	11/21/18 10:37	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446896	11/21/18 11:04	CAP	TAL BUF
Total/NA	Analysis	353.2		1	446775	11/21/18 18:45	DCB	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: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

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	03-31-19

Method Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL BUF
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

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: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145540-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-145540-1	MW-12D	Water	11/19/18 15:15	11/19/18 18:20
480-145540-2	MW-13D	Water	11/19/18 11:00	11/19/18 18:20
480-145540-3	MW-5S	Water	11/19/18 14:20	11/19/18 18:20
480-145540-4	MW-6S	Water	11/19/18 12:00	11/19/18 18:20
480-145540-5	MW-6D	Water	11/19/18 12:30	11/19/18 18:20

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 495 Aero Drive, Cheektowaga, NY 14225 **Project Manager:** Eric D. Popken **Phone #:** 800-287-7857 **PM Email:** epopken@gesonline.com **Fax #:** 866-902-2187	**Project Name:** NYSDEC/Kennedy/NY/StateRte394/683 **Project Address:** 683 Route 394, Kennedy, NY **Project PSID #:** 743737	NYSDEC Region 8 NYSDEC Project Manager: Francine Gallego Phone #: 716-851-7200 **Invoice Instructions** NYSDEC Spill No. 1611473 Lab Project Manager: Orlette Johnson

REQUESTED ANALYSIS (see Test Code sheet) | LAB USE Y

480-145540 COC

Sampler(s) Name: | Sampler(s) Name: Pat Colein

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	Methanol	ENCORE	Amber	CP-51 VOCs via Method 8260	CP-51 SVOCs via Method 8270	Sulfate	Nitrate-Nitrogen	Dissolved Iron	TPH-GRO	TPH-DRO		
	~~MW-8D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-9S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-9D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-10D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-11D~~	NA				GW											X	X	X	X	X	X	X		
	MW-12D	NA	11-19-18	1515	PC	GW	13	6									X	X	X	X	X	X	X		
	MW-13D	NA	11-19-18	1100	PC	GW	13	6									X	X	X	X	X	X	X		

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

- [x] Standard ____/____
- [ ] 1 day RUSH ____/____
- [x] Other ~~14 day TA~~ ____/____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Orlette Johnson 484-685-0864
Lab PM Email: orlette.johnson@testamericainc.com

Data Deliverable Information

- [ ] Commercial 'A' (Level 1) = Results Only
- [ ] Commercial 'B' (Level 2) = Results + QC Summary
- [ ] FULLT1 (Level 3 & 4)
- [ ] NJ Reduced = Results + QC Summary + Partial Raw Data
- [ ] Commercial 'C'
- [ ] *NJ Data of Known Quality Protocol Reporting*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [x] EQEDD (for GES)
- [x] NYDEC EDD (for NYSDEC)

Please Email the EQ EDD Package to ges@equisonline.com
EQEDD Name: NYSDEC/Kennedy/NY/StateRte394/683_LabReport#.30006.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sampler: 1	Date / Time: 1 11-19-18 1820	Received By: 1 11/19/18 1820
Relinquished By : 2	Date / Time: 2	Received By: 2
Relinquished By : 3	Date / Time: 3	Received By: 3

Custody Seal Number: [ ] Intact [ ] Not Intact [ ] Preserved where applicable [ ] On Ice Cooler Temp ____

2.0 #1

12/28/2018

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

NYSDEC Kennedy, Spill Number 1611473

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 495 Aero Drive, Cheektowaga, NY 14225 **Project Manager:** Eric D. Popken **Phone #:** 800-287-7857 **Email:** epopken@gesonline.com **Fax #:** 866-902-2187	**Project Name:** NYSDEC/Kennedy/NY/StateRte394/683 **Project Address:** 683 Route 394, Kennedy, NY **Project PSID #:** 743737	**NYSDEC Region 8** **NYSDEC Project Manager:** Francine Gallego **Phone #:** 716-851-7200 **Invoice Instructions** **NYSDEC Spill No.** 1611473 **Lab Project Manager:** Orlette Johnson

Sampler(s) Name: | Sampler(s) Name: Pat Colein

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	Methanol	ENCORE	Amber	CP-51 VOCs via Method 8260	CP-51 SVOCs via Method 8270	Sulfate	Nitrate-Nitrogen	Dissolved Iron	TPH-GRO	TPH-DRO		LAB USE ONLY
	~~MW-1D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-2S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-2D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-3D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-4S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-4D~~	NA				GW											X	X	X	X	X	X	X		
	MW-5S	NA	11-19-18	1420	PC	GW	13	6									X	X	X	X	X	X	X		
	~~MW-5D~~	NA				GW											X	X	X	X	X	X	X		
	MW-6S	NA	11-19-18	1200	PC	GW	13	6									X	X	X	X	X	X	X		
	MW-6D	NA	11-19-18	1230	PC	GW	13	6									X	X	X	X	X	X	X		
	~~MW-7D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-8S~~	NA				GW											X	X	X	X	X	X	X		

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

- ☐ Standard ____ / ____
- ☐ 1 day RUSH ____ / ____
- ☑ Other ~~14 day TA~~ ____ / ____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
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Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☑ EQEDD (for GES)
- ☑ NYDEC EDD (for NYSDEC)

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

EQEDD Name: NYSDEC/Kennedy/NY/StateRte394/683_LabReport#.30006.EQEDD.zip

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

	Relinquished By Sampler:	Date / Time:	Received By:
1		11-19-18 1820	11/19/18 1820
2	Relinquished By:	Date / Time:	Received By:
3	Relinquished By:	Date / Time:	Received By:

Custody Seal Number: ☐ Intact ☐ Not Intact ☐ Preserved where applicable ☐ On Ice Cooler Temp ____

12/28/2018

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-145540-1

Login Number: 145540

List Source: TestAmerica Buffalo

List Number: 1

Creator: Harper, Marcus D

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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-145645-1
Client Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Francine Gallego

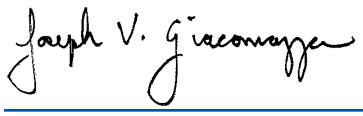
Joseph V. Giacomazza

Authorized for release by:
12/6/2018 3:58:58 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

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.



Joe Giacomazza
Project Management Assistant II
12/6/2018 3:58:58 PM

Table of Contents

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)

Job ID: 480-145645-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-145645-1

Comments
No additional comments.

Receipt
The samples were received on 11/20/2018 7:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.0º C, 3.0º C and 4.0º C.

Receipt Exceptions
COC lists sample ID MW-8D however containers received are labelled MW-10D; the sample ID was logged per the containers.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2S (480-145645-2), MW-2D (480-145645-3) and MW-10D (480-145645-6). 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.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-448133 recovered above the upper control limit for 4-Nitrophenol, Atrazine, Bis(2-ethylhexyl) phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene sym-Trinitrobenzene and Famphur. The samples associated with this CCV were non-detects or below client reporting limit for the affected analyte(s); therefore, the data have been reported. The following samples are impacted: MW-1D (480-145645-1), MW-2S (480-145645-2) and MW-2D (480-145645-3).

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-2S (480-145645-2). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-448401 recovered above the upper control limit for Fluoranthene. 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-3D (480-145645-4), MW-7D (480-145645-5), MW-10D (480-145645-6), MW-9S (480-145645-7) and MW-9D (480-145645-8).

Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2S (480-145645-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MW-3D (480-145645-4), MW-10D (480-145645-6), MW-9S (480-145645-7) and MW-9D (480-145645-8). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-3D (480-145645-4), MW-10D (480-145645-6) and MW-9S (480-145645-7). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-2S (480-145645-2). These results have been reported and qualified.

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

HPLC/IC
Method(s) 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-1D (480-145645-1), MW-2S (480-145645-2), MW-2D (480-145645-3), MW-3D (480-145645-4), MW-7D (480-145645-5) and MW-10D (480-145645-6). Elevated reporting limits (RLs) are provided.

Job ID: 480-145645-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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

GC VOA

Method(s) 8015D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2S (480-145645-2), MW-2D (480-145645-3), MW-3D (480-145645-4), MW-10D (480-145645-6), MW-9S (480-145645-7) and MW-9D (480-145645-8). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method(s) 8015D: The following sample diluted due to the abundance of target analytes: MW-3D (480-145645-4). As such, surrogate recovery is below the calibration range and is not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8015D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2S (480-145645-2) and MW-10D (480-145645-6). 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.

Metals

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

General Chemistry

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

Organic Prep

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

Detection Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-1D — Lab Sample ID: 480-145645-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
sec-Butylbenzene	2.2		1.0	0.75	ug/L	1		8260C	Total/NA
Fluorene	0.73	J	5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	0.50	J	5.0	0.44	ug/L	1		8270D	Total/NA
GRO (C6-C10)	69	B	25	4.2	ug/L	1		8015D	Total/NA
Diesel Range Organics [C10-C28]	4.2		0.50	0.31	mg/L	1		8015D	Total/NA
Sulfate	16.4	B	4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate as N	1.3		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	1.3		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.026	J	0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-2S — Lab Sample ID: 480-145645-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	60		2.0	1.5	ug/L	2		8260C	Total/NA
1,3,5-Trimethylbenzene	3.0		2.0	1.5	ug/L	2		8260C	Total/NA
4-Isopropyltoluene	2.5		2.0	0.62	ug/L	2		8260C	Total/NA
Ethylbenzene	9.9		2.0	1.5	ug/L	2		8260C	Total/NA
Isopropylbenzene	29		2.0	1.6	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	11		4.0	1.3	ug/L	2		8260C	Total/NA
Naphthalene	95		2.0	0.86	ug/L	2		8260C	Total/NA
n-Butylbenzene	28		2.0	1.3	ug/L	2		8260C	Total/NA
N-Propylbenzene	140		2.0	1.4	ug/L	2		8260C	Total/NA
sec-Butylbenzene	12		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	11		4.0	1.3	ug/L	2		8260C	Total/NA
Acenaphthene	5.7		5.0	0.41	ug/L	1		8270D	Total/NA
Fluoranthene	0.51	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	5.2		5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	11		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	1.3	J	5.0	0.34	ug/L	1		8270D	Total/NA
Naphthalene - DL	96		50	7.6	ug/L	10		8270D	Total/NA
GRO (C6-C10)	4400	B	250	42	ug/L	10		8015D	Total/NA
Diesel Range Organics [C10-C28]	44		5.0	3.1	mg/L	10		8015D	Total/NA
Iron	0.024	J	0.050	0.019	mg/L	1		6010C	Dissolved
Sulfate	10.6	B	4.0	0.70	mg/L	2		300.0	Total/NA

Client Sample ID: MW-2D — Lab Sample ID: 480-145645-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	2.0		2.0	1.5	ug/L	2		8260C	Total/NA
4-Isopropyltoluene	0.77	J	2.0	0.62	ug/L	2		8260C	Total/NA
Ethylbenzene	21		2.0	1.5	ug/L	2		8260C	Total/NA
Isopropylbenzene	39		2.0	1.6	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	36		4.0	1.3	ug/L	2		8260C	Total/NA
Naphthalene	6.8		2.0	0.86	ug/L	2		8260C	Total/NA
n-Butylbenzene	21		2.0	1.3	ug/L	2		8260C	Total/NA
N-Propylbenzene	170		2.0	1.4	ug/L	2		8260C	Total/NA
sec-Butylbenzene	12		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	36		4.0	1.3	ug/L	2		8260C	Total/NA
Acenaphthene	2.7	J	5.0	0.41	ug/L	1		8270D	Total/NA
Fluorene	3.3	J	5.0	0.36	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2D (Continued) — Lab Sample ID: 480-145645-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	6.7		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	2.7	J	5.0	0.44	ug/L	1		8270D	Total/NA
GRO (C6-C10)	3000	B	250	42	ug/L	10		8015D	Total/NA
Diesel Range Organics [C10-C28]	6.0		0.50	0.31	mg/L	1		8015D	Total/NA
Sulfate	2.5	J B	4.0	0.70	mg/L	2		300.0	Total/NA

Client Sample ID: MW-3D — Lab Sample ID: 480-145645-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	16		1.0	0.75	ug/L	1		8260C	Total/NA
Isopropylbenzene	5.6		1.0	0.79	ug/L	1		8260C	Total/NA
n-Butylbenzene	7.8		1.0	0.64	ug/L	1		8260C	Total/NA
N-Propylbenzene	9.6		1.0	0.69	ug/L	1		8260C	Total/NA
sec-Butylbenzene	8.6		1.0	0.75	ug/L	1		8260C	Total/NA
Fluorene	93	J	500	36	ug/L	100		8270D	Total/NA
Phenanthrene	160	J	500	44	ug/L	100		8270D	Total/NA
GRO (C6-C10)	610	B	130	21	ug/L	5		8015D	Total/NA
Diesel Range Organics [C10-C28]	270		25	16	mg/L	50		8015D	Total/NA
Iron	0.20		0.050	0.019	mg/L	1		6010C	Dissolved
Sulfate	7.3	J B	10.0	1.7	mg/L	5		300.0	Total/NA
Nitrate as N	0.026	J	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.026	J	0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-7D — Lab Sample ID: 480-145645-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (C6-C10)	72	B	25	4.2	ug/L	1		8015D	Total/NA
Diesel Range Organics [C10-C28]	0.32	J	0.50	0.31	mg/L	1		8015D	Total/NA
Sulfate	21.8	B	4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate as N	4.5		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	4.6		0.25	0.10	mg/L	5		353.2	Total/NA
Nitrite as N	0.059		0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-10D — Lab Sample ID: 480-145645-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	130		2.0	1.5	ug/L	2		8260C	Total/NA
1,3,5-Trimethylbenzene	70		2.0	1.5	ug/L	2		8260C	Total/NA
4-Isopropyltoluene	1.2	J	2.0	0.62	ug/L	2		8260C	Total/NA
Ethylbenzene	19		2.0	1.5	ug/L	2		8260C	Total/NA
Isopropylbenzene	46		2.0	1.6	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	8.4		4.0	1.3	ug/L	2		8260C	Total/NA
n-Butylbenzene	34		2.0	1.3	ug/L	2		8260C	Total/NA
N-Propylbenzene	180		2.0	1.4	ug/L	2		8260C	Total/NA
o-Xylene	2.0		2.0	1.5	ug/L	2		8260C	Total/NA
sec-Butylbenzene	15		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	10		4.0	1.3	ug/L	2		8260C	Total/NA
GRO (C6-C10)	2300	B	250	42	ug/L	10		8015D	Total/NA
Diesel Range Organics [C10-C28]	30		2.5	1.6	mg/L	5		8015D	Total/NA
Iron	0.10		0.050	0.019	mg/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-10D (Continued)

Lab Sample ID: 480-145645-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1.2	J B	4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate as N	0.040	J	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.040	J	0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-9S

Lab Sample ID: 480-145645-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.98	J	1.0	0.75	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	0.87	J	1.0	0.77	ug/L	1		8260C	Total/NA
4-Isopropyltoluene	0.86	J	1.0	0.31	ug/L	1		8260C	Total/NA
Ethylbenzene	2.4		1.0	0.74	ug/L	1		8260C	Total/NA
Isopropylbenzene	9.8		1.0	0.79	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.67	J	2.0	0.66	ug/L	1		8260C	Total/NA
Naphthalene	2.6		1.0	0.43	ug/L	1		8260C	Total/NA
n-Butylbenzene	20		1.0	0.64	ug/L	1		8260C	Total/NA
N-Propylbenzene	49		1.0	0.69	ug/L	1		8260C	Total/NA
sec-Butylbenzene	8.1		1.0	0.75	ug/L	1		8260C	Total/NA
Xylenes, Total	0.67	J	2.0	0.66	ug/L	1		8260C	Total/NA
GRO (C6-C10)	1200	B	250	42	ug/L	10		8015D	Total/NA
Diesel Range Organics [C10-C28]	2.7		0.50	0.31	mg/L	1		8015D	Total/NA
Sulfate	13.5	B	2.0	0.35	mg/L	1		300.0	Total/NA

Client Sample ID: MW-9D

Lab Sample ID: 480-145645-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.89	J	1.0	0.75	ug/L	1		8260C	Total/NA
Ethylbenzene	5.9		1.0	0.74	ug/L	1		8260C	Total/NA
Isopropylbenzene	24		1.0	0.79	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.86	J	2.0	0.66	ug/L	1		8260C	Total/NA
Naphthalene	17		1.0	0.43	ug/L	1		8260C	Total/NA
n-Butylbenzene	45		1.0	0.64	ug/L	1		8260C	Total/NA
N-Propylbenzene	85		1.0	0.69	ug/L	1		8260C	Total/NA
sec-Butylbenzene	12		1.0	0.75	ug/L	1		8260C	Total/NA
Xylenes, Total	0.86	J	2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	2.9	J	25	2.1	ug/L	5		8270D	Total/NA
Fluorene	4.1	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene	14	J	25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene	4.9	J	25	2.2	ug/L	5		8270D	Total/NA
GRO (C6-C10)	1800	B	250	42	ug/L	10		8015D	Total/NA
Diesel Range Organics [C10-C28]	6.4		0.50	0.31	mg/L	1		8015D	Total/NA
Iron	0.35		0.050	0.019	mg/L	1		6010C	Dissolved
Sulfate	3.8	B	2.0	0.35	mg/L	1		300.0	Total/NA
Nitrate as N	0.021	J	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.021	J	0.050	0.020	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1D

Date Collected: 11/20/18 10:15
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/28/18 02:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 02:29	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 02:29	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 02:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 02:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 02:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 02:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 02:29	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 02:29	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/28/18 02:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/28/18 02:29	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 02:29	1
sec-Butylbenzene	**2.2**		1.0	0.75	ug/L			11/28/18 02:29	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 02:29	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 02:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/28/18 02:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/28/18 02:29*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/28/18 02:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/23/18 14:50	11/30/18 00:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/23/18 14:50	11/30/18 00:47	1
Anthracene	ND		5.0	0.28	ug/L		11/23/18 14:50	11/30/18 00:47	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/30/18 00:47	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/30/18 00:47	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/30/18 00:47	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/23/18 14:50	11/30/18 00:47	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/23/18 14:50	11/30/18 00:47	1
Chrysene	ND		5.0	0.33	ug/L		11/23/18 14:50	11/30/18 00:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/23/18 14:50	11/30/18 00:47	1
Fluoranthene	ND		5.0	0.40	ug/L		11/23/18 14:50	11/30/18 00:47	1
Fluorene	**0.73**	**J**	5.0	0.36	ug/L		11/23/18 14:50	11/30/18 00:47	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/30/18 00:47	1
Naphthalene	ND		5.0	0.76	ug/L		11/23/18 14:50	11/30/18 00:47	1
Phenanthrene	**0.50**	**J**	5.0	0.44	ug/L		11/23/18 14:50	11/30/18 00:47	1
Pyrene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/30/18 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*41 - 120*	*11/23/18 14:50*	*11/30/18 00:47*	*1*
2-Fluorophenol	*52*		*35 - 120*	*11/23/18 14:50*	*11/30/18 00:47*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*11/23/18 14:50*	*11/30/18 00:47*	*1*
Phenol-d5	*37*		*22 - 120*	*11/23/18 14:50*	*11/30/18 00:47*	*1*
p-Terphenyl-d14	*63*		*59 - 136*	*11/23/18 14:50*	*11/30/18 00:47*	*1*
Nitrobenzene-d5	*74*		*46 - 120*	*11/23/18 14:50*	*11/30/18 00:47*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-1D
Date Collected: 11/20/18 10:15
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-1
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	69	B	25	4.2	ug/L			11/23/18 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*11/23/18 18:05*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4.2		0.50	0.31	mg/L		11/23/18 14:21	11/27/18 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*51 - 120*	*11/23/18 14:21*	*11/27/18 12:10*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	16.4	B	4.0	0.70	mg/L			12/04/18 23:32	2
Nitrate as N	1.3		0.050	0.020	mg/L			11/21/18 21:16	1
Nitrate Nitrite as N	1.3		0.050	0.020	mg/L			11/21/18 20:23	1
Nitrite as N	0.026	J	0.050	0.020	mg/L			11/21/18 21:16	1

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-2S
Date Collected: 11/20/18 10:15
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**60**		2.0	1.5	ug/L			11/28/18 02:53	2
1,3,5-Trimethylbenzene	**3.0**		2.0	1.5	ug/L			11/28/18 02:53	2
4-Isopropyltoluene	**2.5**		2.0	0.62	ug/L			11/28/18 02:53	2
Benzene	ND		2.0	0.82	ug/L			11/28/18 02:53	2
Ethylbenzene	**9.9**		2.0	1.5	ug/L			11/28/18 02:53	2
Isopropylbenzene	**29**		2.0	1.6	ug/L			11/28/18 02:53	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			11/28/18 02:53	2
m-Xylene & p-Xylene	**11**		4.0	1.3	ug/L			11/28/18 02:53	2
Naphthalene	**95**		2.0	0.86	ug/L			11/28/18 02:53	2
n-Butylbenzene	**28**		2.0	1.3	ug/L			11/28/18 02:53	2
N-Propylbenzene	**140**		2.0	1.4	ug/L			11/28/18 02:53	2
o-Xylene	ND		2.0	1.5	ug/L			11/28/18 02:53	2
sec-Butylbenzene	**12**		2.0	1.5	ug/L			11/28/18 02:53	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			11/28/18 02:53	2
Toluene	ND		2.0	1.0	ug/L			11/28/18 02:53	2
Xylenes, Total	**11**		4.0	1.3	ug/L			11/28/18 02:53	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*11/28/18 02:53*	*2*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/28/18 02:53*	*2*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/28/18 02:53*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**5.7**		5.0	0.41	ug/L		11/23/18 14:50	11/30/18 01:17	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/23/18 14:50	11/30/18 01:17	1
Anthracene	ND		5.0	0.28	ug/L		11/23/18 14:50	11/30/18 01:17	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/30/18 01:17	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/30/18 01:17	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/30/18 01:17	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/23/18 14:50	11/30/18 01:17	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/23/18 14:50	11/30/18 01:17	1
Chrysene	ND		5.0	0.33	ug/L		11/23/18 14:50	11/30/18 01:17	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/23/18 14:50	11/30/18 01:17	1
Fluoranthene	**0.51**	**J**	5.0	0.40	ug/L		11/23/18 14:50	11/30/18 01:17	1
Fluorene	**5.2**		5.0	0.36	ug/L		11/23/18 14:50	11/30/18 01:17	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/30/18 01:17	1
Phenanthrene	**11**		5.0	0.44	ug/L		11/23/18 14:50	11/30/18 01:17	1
Pyrene	**1.3**	**J**	5.0	0.34	ug/L		11/23/18 14:50	11/30/18 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*41 - 120*	*11/23/18 14:50*	*11/30/18 01:17*	*1*
2-Fluorophenol	*49*		*35 - 120*	*11/23/18 14:50*	*11/30/18 01:17*	*1*
2-Fluorobiphenyl	*77*		*48 - 120*	*11/23/18 14:50*	*11/30/18 01:17*	*1*
Phenol-d5	*39*		*22 - 120*	*11/23/18 14:50*	*11/30/18 01:17*	*1*
p-Terphenyl-d14	*53*	*X*	*59 - 136*	*11/23/18 14:50*	*11/30/18 01:17*	*1*
Nitrobenzene-d5	*97*		*46 - 120*	*11/23/18 14:50*	*11/30/18 01:17*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-2S
Date Collected: 11/20/18 10:15
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	96		50	7.6	ug/L		11/23/18 14:50	11/30/18 17:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*41 - 120*	*11/23/18 14:50*	*11/30/18 17:09*	*10*
2-Fluorophenol	*47*		*35 - 120*	*11/23/18 14:50*	*11/30/18 17:09*	*10*
2-Fluorobiphenyl	*79*		*48 - 120*	*11/23/18 14:50*	*11/30/18 17:09*	*10*
Phenol-d5	*25*		*22 - 120*	*11/23/18 14:50*	*11/30/18 17:09*	*10*
p-Terphenyl-d14	*53*	*X*	*59 - 136*	*11/23/18 14:50*	*11/30/18 17:09*	*10*
Nitrobenzene-d5	*98*		*46 - 120*	*11/23/18 14:50*	*11/30/18 17:09*	*10*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	4400	B	250	42	ug/L			11/23/18 18:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*11/23/18 18:40*	*10*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	44		5.0	3.1	mg/L		11/23/18 14:21	11/27/18 12:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*51 - 120*	*11/23/18 14:21*	*11/27/18 12:46*	*10*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.024	J	0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	10.6	B	4.0	0.70	mg/L			12/04/18 23:47	2
Nitrate as N	ND		0.050	0.020	mg/L			11/21/18 20:24	1
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:24	1
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:24	1

Client Sample ID: MW-2D

Date Collected: 11/20/18 09:50
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			11/28/18 03:15	2
1,3,5-Trimethylbenzene	**2.0**		2.0	1.5	ug/L			11/28/18 03:15	2
4-Isopropyltoluene	**0.77**	**J**	2.0	0.62	ug/L			11/28/18 03:15	2
Benzene	ND		2.0	0.82	ug/L			11/28/18 03:15	2
Ethylbenzene	**21**		2.0	1.5	ug/L			11/28/18 03:15	2
Isopropylbenzene	**39**		2.0	1.6	ug/L			11/28/18 03:15	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			11/28/18 03:15	2
m-Xylene & p-Xylene	**36**		4.0	1.3	ug/L			11/28/18 03:15	2
Naphthalene	**6.8**		2.0	0.86	ug/L			11/28/18 03:15	2
n-Butylbenzene	**21**		2.0	1.3	ug/L			11/28/18 03:15	2
N-Propylbenzene	**170**		2.0	1.4	ug/L			11/28/18 03:15	2
o-Xylene	ND		2.0	1.5	ug/L			11/28/18 03:15	2
sec-Butylbenzene	**12**		2.0	1.5	ug/L			11/28/18 03:15	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			11/28/18 03:15	2
Toluene	ND		2.0	1.0	ug/L			11/28/18 03:15	2
Xylenes, Total	**36**		4.0	1.3	ug/L			11/28/18 03:15	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*11/28/18 03:15*	*2*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/28/18 03:15*	*2*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/28/18 03:15*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.7**	**J**	5.0	0.41	ug/L		11/23/18 14:50	11/30/18 01:46	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/23/18 14:50	11/30/18 01:46	1
Anthracene	ND		5.0	0.28	ug/L		11/23/18 14:50	11/30/18 01:46	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/30/18 01:46	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/30/18 01:46	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/30/18 01:46	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/23/18 14:50	11/30/18 01:46	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/23/18 14:50	11/30/18 01:46	1
Chrysene	ND		5.0	0.33	ug/L		11/23/18 14:50	11/30/18 01:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/23/18 14:50	11/30/18 01:46	1
Fluoranthene	ND		5.0	0.40	ug/L		11/23/18 14:50	11/30/18 01:46	1
Fluorene	**3.3**	**J**	5.0	0.36	ug/L		11/23/18 14:50	11/30/18 01:46	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/30/18 01:46	1
Naphthalene	**6.7**		5.0	0.76	ug/L		11/23/18 14:50	11/30/18 01:46	1
Phenanthrene	**2.7**	**J**	5.0	0.44	ug/L		11/23/18 14:50	11/30/18 01:46	1
Pyrene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/30/18 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*41 - 120*	*11/23/18 14:50*	*11/30/18 01:46*	*1*
2-Fluorophenol	*53*		*35 - 120*	*11/23/18 14:50*	*11/30/18 01:46*	*1*
2-Fluorobiphenyl	*75*		*48 - 120*	*11/23/18 14:50*	*11/30/18 01:46*	*1*
Phenol-d5	*40*		*22 - 120*	*11/23/18 14:50*	*11/30/18 01:46*	*1*
p-Terphenyl-d14	*67*		*59 - 136*	*11/23/18 14:50*	*11/30/18 01:46*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*11/23/18 14:50*	*11/30/18 01:46*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-2D
Date Collected: 11/20/18 09:50
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-3
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	3000	B	250	42	ug/L			11/23/18 19:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*102*		*80 - 120*		*11/23/18 19:14*	*10*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.0		0.50	0.31	mg/L		11/23/18 14:21	11/27/18 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*51 - 120*	*11/23/18 14:21*	*11/27/18 13:22*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.5	J B	4.0	0.70	mg/L			12/05/18 00:01	2
Nitrate as N	ND		0.050	0.020	mg/L			11/21/18 20:25	1
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:25	1
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:25	1

Client Sample ID: MW-3D

Date Collected: 11/20/18 16:50
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**16**		1.0	0.75	ug/L			11/28/18 03:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 03:39	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 03:39	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 03:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 03:39	1
Isopropylbenzene	**5.6**		1.0	0.79	ug/L			11/28/18 03:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 03:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 03:39	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 03:39	1
n-Butylbenzene	**7.8**		1.0	0.64	ug/L			11/28/18 03:39	1
N-Propylbenzene	**9.6**		1.0	0.69	ug/L			11/28/18 03:39	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 03:39	1
sec-Butylbenzene	**8.6**		1.0	0.75	ug/L			11/28/18 03:39	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 03:39	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 03:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/28/18 03:39*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/28/18 03:39*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*11/28/18 03:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		500	41	ug/L		11/23/18 14:50	11/30/18 17:39	100
Acenaphthylene	ND		500	38	ug/L		11/23/18 14:50	11/30/18 17:39	100
Anthracene	ND		500	28	ug/L		11/23/18 14:50	11/30/18 17:39	100
Benzo(a)anthracene	ND		500	36	ug/L		11/23/18 14:50	11/30/18 17:39	100
Benzo(a)pyrene	ND		500	47	ug/L		11/23/18 14:50	11/30/18 17:39	100
Benzo(b)fluoranthene	ND		500	34	ug/L		11/23/18 14:50	11/30/18 17:39	100
Benzo(g,h,i)perylene	ND		500	35	ug/L		11/23/18 14:50	11/30/18 17:39	100
Benzo(k)fluoranthene	ND		500	73	ug/L		11/23/18 14:50	11/30/18 17:39	100
Chrysene	ND		500	33	ug/L		11/23/18 14:50	11/30/18 17:39	100
Dibenz(a,h)anthracene	ND		500	42	ug/L		11/23/18 14:50	11/30/18 17:39	100
Fluoranthene	ND		500	40	ug/L		11/23/18 14:50	11/30/18 17:39	100
Fluorene	**93**	**J**	500	36	ug/L		11/23/18 14:50	11/30/18 17:39	100
Indeno(1,2,3-cd)pyrene	ND		500	47	ug/L		11/23/18 14:50	11/30/18 17:39	100
Naphthalene	ND		500	76	ug/L		11/23/18 14:50	11/30/18 17:39	100
Phenanthrene	**160**	**J**	500	44	ug/L		11/23/18 14:50	11/30/18 17:39	100
Pyrene	ND		500	34	ug/L		11/23/18 14:50	11/30/18 17:39	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*41 - 120*	*11/23/18 14:50*	*11/30/18 17:39*	*100*
2-Fluorophenol	*0*	*X*	*35 - 120*	*11/23/18 14:50*	*11/30/18 17:39*	*100*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/23/18 14:50*	*11/30/18 17:39*	*100*
Phenol-d5	*0*	*X*	*22 - 120*	*11/23/18 14:50*	*11/30/18 17:39*	*100*
p-Terphenyl-d14	*56*	*X*	*59 - 136*	*11/23/18 14:50*	*11/30/18 17:39*	*100*
Nitrobenzene-d5	*0*	*X*	*46 - 120*	*11/23/18 14:50*	*11/30/18 17:39*	*100*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-3D
Date Collected: 11/20/18 16:50
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-4
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	610	B	130	21	ug/L			11/23/18 19:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*108*		*80 - 120*		*11/23/18 19:49*	*5*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	270		25	16	mg/L		11/23/18 14:21	11/27/18 13:58	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*51 - 120*	*11/23/18 14:21*	*11/27/18 13:58*	*50*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.20		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	7.3	J B	10.0	1.7	mg/L			12/05/18 00:16	5
Nitrate as N	0.026	J	0.050	0.020	mg/L			11/21/18 20:26	1
Nitrate Nitrite as N	0.026	J	0.050	0.020	mg/L			11/21/18 20:26	1
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:26	1

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-7D
Date Collected: 11/20/18 15:45
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/28/18 04:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 04:02	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 04:02	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 04:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 04:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 04:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 04:02	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 04:02	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 04:02	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/28/18 04:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/28/18 04:02	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 04:02	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/28/18 04:02	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 04:02	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 04:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/28/18 04:02*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/28/18 04:02*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/28/18 04:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/23/18 14:50	11/30/18 18:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/23/18 14:50	11/30/18 18:08	1
Anthracene	ND		5.0	0.28	ug/L		11/23/18 14:50	11/30/18 18:08	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/30/18 18:08	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/30/18 18:08	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/30/18 18:08	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/23/18 14:50	11/30/18 18:08	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/23/18 14:50	11/30/18 18:08	1
Chrysene	ND		5.0	0.33	ug/L		11/23/18 14:50	11/30/18 18:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/23/18 14:50	11/30/18 18:08	1
Fluoranthene	ND		5.0	0.40	ug/L		11/23/18 14:50	11/30/18 18:08	1
Fluorene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/30/18 18:08	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/30/18 18:08	1
Naphthalene	ND		5.0	0.76	ug/L		11/23/18 14:50	11/30/18 18:08	1
Phenanthrene	ND		5.0	0.44	ug/L		11/23/18 14:50	11/30/18 18:08	1
Pyrene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/30/18 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*41 - 120*	*11/23/18 14:50*	*11/30/18 18:08*	*1*
2-Fluorophenol	*57*		*35 - 120*	*11/23/18 14:50*	*11/30/18 18:08*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*11/23/18 14:50*	*11/30/18 18:08*	*1*
Phenol-d5	*39*		*22 - 120*	*11/23/18 14:50*	*11/30/18 18:08*	*1*
p-Terphenyl-d14	*65*		*59 - 136*	*11/23/18 14:50*	*11/30/18 18:08*	*1*
Nitrobenzene-d5	*83*		*46 - 120*	*11/23/18 14:50*	*11/30/18 18:08*	*1*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-7D
Date Collected: 11/20/18 15:45
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-5
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	72	B	25	4.2	ug/L			11/23/18 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*112*		*80 - 120*		*11/23/18 11:45*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.32	J	0.50	0.31	mg/L		11/23/18 14:21	11/27/18 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*51 - 120*	*11/23/18 14:21*	*11/27/18 15:10*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	21.8	B	4.0	0.70	mg/L			12/05/18 00:31	2
Nitrate as N	4.5		0.050	0.020	mg/L			11/21/18 21:17	1
Nitrate Nitrite as N	4.6		0.25	0.10	mg/L			11/21/18 21:02	5
Nitrite as N	0.059		0.050	0.020	mg/L			11/21/18 21:17	1

Client Sample ID: MW-10D

Date Collected: 11/20/18 16:00
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**130**		2.0	1.5	ug/L			11/28/18 04:25	2
1,3,5-Trimethylbenzene	**70**		2.0	1.5	ug/L			11/28/18 04:25	2
4-Isopropyltoluene	**1.2**	**J**	2.0	0.62	ug/L			11/28/18 04:25	2
Benzene	ND		2.0	0.82	ug/L			11/28/18 04:25	2
Ethylbenzene	**19**		2.0	1.5	ug/L			11/28/18 04:25	2
Isopropylbenzene	**46**		2.0	1.6	ug/L			11/28/18 04:25	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			11/28/18 04:25	2
m-Xylene & p-Xylene	**8.4**		4.0	1.3	ug/L			11/28/18 04:25	2
Naphthalene	ND		2.0	0.86	ug/L			11/28/18 04:25	2
n-Butylbenzene	**34**		2.0	1.3	ug/L			11/28/18 04:25	2
N-Propylbenzene	**180**		2.0	1.4	ug/L			11/28/18 04:25	2
o-Xylene	**2.0**		2.0	1.5	ug/L			11/28/18 04:25	2
sec-Butylbenzene	**15**		2.0	1.5	ug/L			11/28/18 04:25	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			11/28/18 04:25	2
Toluene	ND		2.0	1.0	ug/L			11/28/18 04:25	2
Xylenes, Total	**10**		4.0	1.3	ug/L			11/28/18 04:25	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*11/28/18 04:25*	*2*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/28/18 04:25*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/28/18 04:25*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		250	21	ug/L		11/23/18 14:50	11/30/18 18:38	50
Acenaphthylene	ND		250	19	ug/L		11/23/18 14:50	11/30/18 18:38	50
Anthracene	ND		250	14	ug/L		11/23/18 14:50	11/30/18 18:38	50
Benzo(a)anthracene	ND		250	18	ug/L		11/23/18 14:50	11/30/18 18:38	50
Benzo(a)pyrene	ND		250	24	ug/L		11/23/18 14:50	11/30/18 18:38	50
Benzo(b)fluoranthene	ND		250	17	ug/L		11/23/18 14:50	11/30/18 18:38	50
Benzo(g,h,i)perylene	ND		250	18	ug/L		11/23/18 14:50	11/30/18 18:38	50
Benzo(k)fluoranthene	ND		250	37	ug/L		11/23/18 14:50	11/30/18 18:38	50
Chrysene	ND		250	17	ug/L		11/23/18 14:50	11/30/18 18:38	50
Dibenz(a,h)anthracene	ND		250	21	ug/L		11/23/18 14:50	11/30/18 18:38	50
Fluoranthene	ND		250	20	ug/L		11/23/18 14:50	11/30/18 18:38	50
Fluorene	ND		250	18	ug/L		11/23/18 14:50	11/30/18 18:38	50
Indeno(1,2,3-cd)pyrene	ND		250	24	ug/L		11/23/18 14:50	11/30/18 18:38	50
Naphthalene	ND		250	38	ug/L		11/23/18 14:50	11/30/18 18:38	50
Phenanthrene	ND		250	22	ug/L		11/23/18 14:50	11/30/18 18:38	50
Pyrene	ND		250	17	ug/L		11/23/18 14:50	11/30/18 18:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*123*	*X*	*41 - 120*	*11/23/18 14:50*	*11/30/18 18:38*	*50*
2-Fluorophenol	*40*		*35 - 120*	*11/23/18 14:50*	*11/30/18 18:38*	*50*
2-Fluorobiphenyl	*91*		*48 - 120*	*11/23/18 14:50*	*11/30/18 18:38*	*50*
Phenol-d5	*32*		*22 - 120*	*11/23/18 14:50*	*11/30/18 18:38*	*50*
p-Terphenyl-d14	*60*		*59 - 136*	*11/23/18 14:50*	*11/30/18 18:38*	*50*
Nitrobenzene-d5	*71*		*46 - 120*	*11/23/18 14:50*	*11/30/18 18:38*	*50*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-10D
Date Collected: 11/20/18 16:00
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-6
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	2300	B	250	42	ug/L			11/23/18 20:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*80 - 120*		*11/23/18 20:23*	*10*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	30		2.5	1.6	mg/L		11/23/18 14:21	11/27/18 15:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*51 - 120*	*11/23/18 14:21*	*11/27/18 15:46*	*5*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.10		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.2	J B	4.0	0.70	mg/L			12/05/18 00:45	2
Nitrate as N	0.040	J	0.050	0.020	mg/L			11/21/18 20:34	1
Nitrate Nitrite as N	0.040	J	0.050	0.020	mg/L			11/21/18 20:34	1
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:34	1

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-9S
Date Collected: 11/20/18 11:00
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.98	J	1.0	0.75	ug/L			11/28/18 15:23	1
1,3,5-Trimethylbenzene	0.87	J	1.0	0.77	ug/L			11/28/18 15:23	1
4-Isopropyltoluene	0.86	J	1.0	0.31	ug/L			11/28/18 15:23	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 15:23	1
Ethylbenzene	2.4		1.0	0.74	ug/L			11/28/18 15:23	1
Isopropylbenzene	9.8		1.0	0.79	ug/L			11/28/18 15:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 15:23	1
m-Xylene & p-Xylene	0.67	J	2.0	0.66	ug/L			11/28/18 15:23	1
Naphthalene	2.6		1.0	0.43	ug/L			11/28/18 15:23	1
n-Butylbenzene	20		1.0	0.64	ug/L			11/28/18 15:23	1
N-Propylbenzene	49		1.0	0.69	ug/L			11/28/18 15:23	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 15:23	1
sec-Butylbenzene	8.1		1.0	0.75	ug/L			11/28/18 15:23	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 15:23	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 15:23	1
Xylenes, Total	0.67	J	2.0	0.66	ug/L			11/28/18 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*11/28/18 15:23*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/28/18 15:23*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/28/18 15:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		250	21	ug/L		11/23/18 14:50	11/30/18 19:07	50
Acenaphthylene	ND		250	19	ug/L		11/23/18 14:50	11/30/18 19:07	50
Anthracene	ND		250	14	ug/L		11/23/18 14:50	11/30/18 19:07	50
Benzo(a)anthracene	ND		250	18	ug/L		11/23/18 14:50	11/30/18 19:07	50
Benzo(a)pyrene	ND		250	24	ug/L		11/23/18 14:50	11/30/18 19:07	50
Benzo(b)fluoranthene	ND		250	17	ug/L		11/23/18 14:50	11/30/18 19:07	50
Benzo(g,h,i)perylene	ND		250	18	ug/L		11/23/18 14:50	11/30/18 19:07	50
Benzo(k)fluoranthene	ND		250	37	ug/L		11/23/18 14:50	11/30/18 19:07	50
Chrysene	ND		250	17	ug/L		11/23/18 14:50	11/30/18 19:07	50
Dibenz(a,h)anthracene	ND		250	21	ug/L		11/23/18 14:50	11/30/18 19:07	50
Fluoranthene	ND		250	20	ug/L		11/23/18 14:50	11/30/18 19:07	50
Fluorene	ND		250	18	ug/L		11/23/18 14:50	11/30/18 19:07	50
Indeno(1,2,3-cd)pyrene	ND		250	24	ug/L		11/23/18 14:50	11/30/18 19:07	50
Naphthalene	ND		250	38	ug/L		11/23/18 14:50	11/30/18 19:07	50
Phenanthrene	ND		250	22	ug/L		11/23/18 14:50	11/30/18 19:07	50
Pyrene	ND		250	17	ug/L		11/23/18 14:50	11/30/18 19:07	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*135*	*X*	*41 - 120*	*11/23/18 14:50*	*11/30/18 19:07*	*50*
2-Fluorophenol	*53*		*35 - 120*	*11/23/18 14:50*	*11/30/18 19:07*	*50*
2-Fluorobiphenyl	*93*		*48 - 120*	*11/23/18 14:50*	*11/30/18 19:07*	*50*
Phenol-d5	*34*		*22 - 120*	*11/23/18 14:50*	*11/30/18 19:07*	*50*
p-Terphenyl-d14	*75*		*59 - 136*	*11/23/18 14:50*	*11/30/18 19:07*	*50*
Nitrobenzene-d5	*70*		*46 - 120*	*11/23/18 14:50*	*11/30/18 19:07*	*50*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-9S
Date Collected: 11/20/18 11:00
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-7
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	1200	B	250	42	ug/L			11/23/18 15:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*80 - 120*		*11/23/18 15:12*	*10*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.7		0.50	0.31	mg/L		11/23/18 14:21	11/27/18 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*51 - 120*	*11/23/18 14:21*	*11/27/18 16:22*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	13.5	B	2.0	0.35	mg/L			12/05/18 01:00	1
Nitrate as N	ND		0.050	0.020	mg/L			11/21/18 20:35	1
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:35	1
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:35	1

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-9D
Date Collected: 11/20/18 11:45
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**0.89**	**J**	1.0	0.75	ug/L			11/28/18 15:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 15:51	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 15:51	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 15:51	1
Ethylbenzene	**5.9**		1.0	0.74	ug/L			11/28/18 15:51	1
Isopropylbenzene	**24**		1.0	0.79	ug/L			11/28/18 15:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 15:51	1
m-Xylene & p-Xylene	**0.86**	**J**	2.0	0.66	ug/L			11/28/18 15:51	1
Naphthalene	**17**		1.0	0.43	ug/L			11/28/18 15:51	1
n-Butylbenzene	**45**		1.0	0.64	ug/L			11/28/18 15:51	1
N-Propylbenzene	**85**		1.0	0.69	ug/L			11/28/18 15:51	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 15:51	1
sec-Butylbenzene	**12**		1.0	0.75	ug/L			11/28/18 15:51	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 15:51	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 15:51	1
Xylenes, Total	**0.86**	**J**	2.0	0.66	ug/L			11/28/18 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/28/18 15:51*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/28/18 15:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/28/18 15:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.9**	**J**	25	2.1	ug/L		11/23/18 14:50	11/30/18 19:37	5
Acenaphthylene	ND		25	1.9	ug/L		11/23/18 14:50	11/30/18 19:37	5
Anthracene	ND		25	1.4	ug/L		11/23/18 14:50	11/30/18 19:37	5
Benzo(a)anthracene	ND		25	1.8	ug/L		11/23/18 14:50	11/30/18 19:37	5
Benzo(a)pyrene	ND		25	2.4	ug/L		11/23/18 14:50	11/30/18 19:37	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		11/23/18 14:50	11/30/18 19:37	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		11/23/18 14:50	11/30/18 19:37	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		11/23/18 14:50	11/30/18 19:37	5
Chrysene	ND		25	1.7	ug/L		11/23/18 14:50	11/30/18 19:37	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/23/18 14:50	11/30/18 19:37	5
Fluoranthene	ND		25	2.0	ug/L		11/23/18 14:50	11/30/18 19:37	5
Fluorene	**4.1**	**J**	25	1.8	ug/L		11/23/18 14:50	11/30/18 19:37	5
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		11/23/18 14:50	11/30/18 19:37	5
Naphthalene	**14**	**J**	25	3.8	ug/L		11/23/18 14:50	11/30/18 19:37	5
Phenanthrene	**4.9**	**J**	25	2.2	ug/L		11/23/18 14:50	11/30/18 19:37	5
Pyrene	ND		25	1.7	ug/L		11/23/18 14:50	11/30/18 19:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*41 - 120*	*11/23/18 14:50*	*11/30/18 19:37*	*5*
2-Fluorophenol	*44*		*35 - 120*	*11/23/18 14:50*	*11/30/18 19:37*	*5*
2-Fluorobiphenyl	*79*		*48 - 120*	*11/23/18 14:50*	*11/30/18 19:37*	*5*
Phenol-d5	*36*		*22 - 120*	*11/23/18 14:50*	*11/30/18 19:37*	*5*
p-Terphenyl-d14	*63*		*59 - 136*	*11/23/18 14:50*	*11/30/18 19:37*	*5*
Nitrobenzene-d5	*71*		*46 - 120*	*11/23/18 14:50*	*11/30/18 19:37*	*5*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-9D
Date Collected: 11/20/18 11:45
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-8
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	1800	B	250	42	ug/L			11/23/18 16:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*11/23/18 16:22*	*10*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.4		0.50	0.31	mg/L		11/23/18 14:21	11/27/18 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*51 - 120*	*11/23/18 14:21*	*11/27/18 10:21*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.35		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3.8	B	2.0	0.35	mg/L			12/05/18 01:14	1
Nitrate as N	0.021	J	0.050	0.020	mg/L			11/21/18 20:37	1
Nitrate Nitrite as N	0.021	J	0.050	0.020	mg/L			11/21/18 20:37	1
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:37	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)
480-145645-1	MW-1D	102	101	98
480-145645-2	MW-2S	116	98	96
480-145645-3	MW-2D	108	98	95
480-145645-4	MW-3D	102	93	88
480-145645-5	MW-7D	111	105	101
480-145645-6	MW-10D	112	96	94
480-145645-7	MW-9S	115	98	99
480-145645-8	MW-9D	111	101	99
LCS 480-447733/5	Lab Control Sample	97	107	102
LCS 480-447790/5	Lab Control Sample	102	102	98
MB 480-447733/7	Method Blank	101	103	100
MB 480-447790/7	Method Blank	103	95	98

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	FBP	PHL	TPHd14	NBZ
Lab Sample ID	Client Sample ID	(41-120)	(35-120)	(48-120)	(22-120)	(59-136)	(46-120)
480-145645-1	MW-1D	62	52	73	37	63	74
480-145645-2	MW-2S	87	49	77	39	53 X	97
480-145645-2 - DL	MW-2S	81	47	79	25	53 X	98
480-145645-3	MW-2D	81	53	75	40	67	80
480-145645-4	MW-3D	0 X	0 X	84	0 X	56 X	0 X
480-145645-5	MW-7D	67	57	81	39	65	83
480-145645-6	MW-10D	123 X	40	91	32	60	71
480-145645-7	MW-9S	135 X	53	93	34	75	70
480-145645-8	MW-9D	80	44	79	36	63	71
LCS 480-447175/2-A	Lab Control Sample	76	61	76	47	85	75
LCSD 480-447175/3-A	Lab Control Sample Dup	80	62	80	48	84	79
MB 480-447175/1-A	Method Blank	59	55	80	41	81	80

Surrogate Legend

TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14
NBZ = Nitrobenzene-d5

Surrogate Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		TFT2							
Lab Sample ID	Client Sample ID	(80-120)							
480-145645-1	MW-1D	106							
480-145645-2	MW-2S	106							
480-145645-3	MW-2D	102							
480-145645-4	MW-3D	108							
480-145645-5	MW-7D	112							
480-145645-6	MW-10D	104							
480-145645-7	MW-9S	103							
480-145645-8	MW-9D	106							
LCS 480-447105/4	Lab Control Sample	103							
LCSD 480-447105/5	Lab Control Sample Dup	103							
MB 480-447105/3	Method Blank	105							

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: 8015D - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		OTPH							
Lab Sample ID	Client Sample ID	(51-120)							
480-145645-1	MW-1D	72							
480-145645-2	MW-2S	64							
480-145645-3	MW-2D	67							
480-145645-4	MW-3D	61							
480-145645-5	MW-7D	79							
480-145645-6	MW-10D	67							
480-145645-7	MW-9S	75							
480-145645-8	MW-9D	61							
LCS 480-447168/2-A	Lab Control Sample	92							
LCSD 480-447168/3-A	Lab Control Sample Dup	89							
MB 480-447168/1-A	Method Blank	90							

Surrogate Legend

OTPH = o-Terphenyl

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

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

Lab Sample ID: MB 480-447733/7
Matrix: Water
Analysis Batch: 447733

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/27/18 21:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/27/18 21:53	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/27/18 21:53	1
Benzene	ND		1.0	0.41	ug/L			11/27/18 21:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/18 21:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/18 21:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/18 21:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/27/18 21:53	1
Naphthalene	ND		1.0	0.43	ug/L			11/27/18 21:53	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/27/18 21:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/27/18 21:53	1
o-Xylene	ND		1.0	0.76	ug/L			11/27/18 21:53	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/27/18 21:53	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/27/18 21:53	1
Toluene	ND		1.0	0.51	ug/L			11/27/18 21:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/18 21:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/27/18 21:53*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/27/18 21:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/27/18 21:53*	*1*

Lab Sample ID: LCS 480-447733/5
Matrix: Water
Analysis Batch: 447733

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	24.9		ug/L		100	76 - 121
1,3,5-Trimethylbenzene	25.0	24.5		ug/L		98	77 - 121
4-Isopropyltoluene	25.0	25.3		ug/L		101	73 - 120
Benzene	25.0	24.4		ug/L		98	71 - 124
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl tert-butyl ether	25.0	23.0		ug/L		92	77 - 120
m-Xylene & p-Xylene	25.0	24.9		ug/L		99	76 - 122
Naphthalene	25.0	25.2		ug/L		101	66 - 125
n-Butylbenzene	25.0	24.2		ug/L		97	71 - 128
N-Propylbenzene	25.0	24.1		ug/L		96	75 - 127
o-Xylene	25.0	25.3		ug/L		101	76 - 122
sec-Butylbenzene	25.0	25.0		ug/L		100	74 - 127
tert-Butylbenzene	25.0	24.6		ug/L		99	75 - 123
Toluene	25.0	24.2		ug/L		97	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 480-447790/7
Matrix: Water
Analysis Batch: 447790

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/28/18 11:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 11:00	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 11:00	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 11:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 11:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 11:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 11:00	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 11:00	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 11:00	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/28/18 11:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/28/18 11:00	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 11:00	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/28/18 11:00	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 11:00	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 11:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/28/18 11:00*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/28/18 11:00*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/28/18 11:00*	*1*

Lab Sample ID: LCS 480-447790/5
Matrix: Water
Analysis Batch: 447790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	24.7		ug/L		99	76 - 121
1,3,5-Trimethylbenzene	25.0	24.8		ug/L		99	77 - 121
4-Isopropyltoluene	25.0	25.7		ug/L		103	73 - 120
Benzene	25.0	24.5		ug/L		98	71 - 124
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
m-Xylene & p-Xylene	25.0	26.2		ug/L		105	76 - 122
Naphthalene	25.0	24.1		ug/L		96	66 - 125
n-Butylbenzene	25.0	24.8		ug/L		99	71 - 128
N-Propylbenzene	25.0	24.2		ug/L		97	75 - 127
o-Xylene	25.0	25.4		ug/L		101	76 - 122
sec-Butylbenzene	25.0	24.1		ug/L		96	74 - 127
tert-Butylbenzene	25.0	25.1		ug/L		101	75 - 123
Toluene	25.0	25.0		ug/L		100	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 480-447175/1-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/23/18 14:50	11/29/18 18:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/23/18 14:50	11/29/18 18:53	1
Anthracene	ND		5.0	0.28	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/23/18 14:50	11/29/18 18:53	1
Chrysene	ND		5.0	0.33	ug/L		11/23/18 14:50	11/29/18 18:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/23/18 14:50	11/29/18 18:53	1
Fluoranthene	ND		5.0	0.40	ug/L		11/23/18 14:50	11/29/18 18:53	1
Fluorene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/29/18 18:53	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/29/18 18:53	1
Naphthalene	ND		5.0	0.76	ug/L		11/23/18 14:50	11/29/18 18:53	1
Phenanthrene	ND		5.0	0.44	ug/L		11/23/18 14:50	11/29/18 18:53	1
Pyrene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/29/18 18:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*41 - 120*	*11/23/18 14:50*	*11/29/18 18:53*	*1*
2-Fluorophenol	*55*		*35 - 120*	*11/23/18 14:50*	*11/29/18 18:53*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*11/23/18 14:50*	*11/29/18 18:53*	*1*
Phenol-d5	*41*		*22 - 120*	*11/23/18 14:50*	*11/29/18 18:53*	*1*
p-Terphenyl-d14	*81*		*59 - 136*	*11/23/18 14:50*	*11/29/18 18:53*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*11/23/18 14:50*	*11/29/18 18:53*	*1*

Lab Sample ID: LCS 480-447175/2-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	28.4		ug/L		89	60 - 120
Acenaphthylene	32.0	30.4		ug/L		95	63 - 120
Anthracene	32.0	28.6		ug/L		89	67 - 120
Benzo(a)anthracene	32.0	31.0		ug/L		97	70 - 121
Benzo(a)pyrene	32.0	30.4		ug/L		95	60 - 123
Benzo(b)fluoranthene	32.0	31.5		ug/L		98	66 - 126
Benzo(g,h,i)perylene	32.0	30.5		ug/L		95	66 - 150
Benzo(k)fluoranthene	32.0	31.1		ug/L		97	65 - 124
Chrysene	32.0	29.2		ug/L		91	69 - 120
Dibenz(a,h)anthracene	32.0	31.4		ug/L		98	65 - 135
Fluoranthene	32.0	32.0		ug/L		100	69 - 126
Fluorene	32.0	29.6		ug/L		93	66 - 120
Indeno(1,2,3-cd)pyrene	32.0	29.8		ug/L		93	69 - 146
Naphthalene	32.0	25.1		ug/L		79	57 - 120
Phenanthrene	32.0	28.0		ug/L		88	68 - 120
Pyrene	32.0	29.3		ug/L		92	70 - 125

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

Lab Sample ID: LCS 480-447175/2-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447175

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*76*		*41 - 120*
2-Fluorophenol	*61*		*35 - 120*
2-Fluorobiphenyl	*76*		*48 - 120*
Phenol-d5	*47*		*22 - 120*
p-Terphenyl-d14	*85*		*59 - 136*
Nitrobenzene-d5	*75*		*46 - 120*

Lab Sample ID: LCSD 480-447175/3-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 447175

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			32.0	30.0		ug/L		94	60 - 120	6	24
Acenaphthylene			32.0	32.0		ug/L		100	63 - 120	5	18
Anthracene			32.0	30.1		ug/L		94	67 - 120	5	15
Benzo(a)anthracene			32.0	32.2		ug/L		101	70 - 121	4	15
Benzo(a)pyrene			32.0	31.7		ug/L		99	60 - 123	4	15
Benzo(b)fluoranthene			32.0	32.3		ug/L		101	66 - 126	2	15
Benzo(g,h,i)perylene			32.0	32.3		ug/L		101	66 - 150	6	15
Benzo(k)fluoranthene			32.0	33.4		ug/L		104	65 - 124	7	22
Chrysene			32.0	30.2		ug/L		94	69 - 120	3	15
Dibenz(a,h)anthracene			32.0	32.5		ug/L		102	65 - 135	3	15
Fluoranthene			32.0	33.2		ug/L		104	69 - 126	4	15
Fluorene			32.0	31.0		ug/L		97	66 - 120	5	15
Indeno(1,2,3-cd)pyrene			32.0	31.0		ug/L		97	69 - 146	4	15
Naphthalene			32.0	26.7		ug/L		83	57 - 120	6	29
Phenanthrene			32.0	29.6		ug/L		92	68 - 120	5	15
Pyrene			32.0	30.5		ug/L		95	70 - 125	4	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*80*		*41 - 120*
2-Fluorophenol	*62*		*35 - 120*
2-Fluorobiphenyl	*80*		*48 - 120*
Phenol-d5	*48*		*22 - 120*
p-Terphenyl-d14	*84*		*59 - 136*
Nitrobenzene-d5	*79*		*46 - 120*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 480-447105/3
Matrix: Water
Analysis Batch: 447105

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	14.7	J	25	4.2	ug/L			11/23/18 10:02	1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 480-447105/3
Matrix: Water
Analysis Batch: 447105

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	105		80 - 120		11/23/18 10:02	1

Lab Sample ID: LCS 480-447105/4
Matrix: Water
Analysis Batch: 447105

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C6-C10)			200	158		ug/L		79	66 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	103		80 - 120

Lab Sample ID: LCSD 480-447105/5
Matrix: Water
Analysis Batch: 447105

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C6-C10)			200	158		ug/L		79	66 - 120	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	103		80 - 120

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-447168/1-A
Matrix: Water
Analysis Batch: 447517

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		11/23/18 14:21	11/27/18 08:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	90		51 - 120	11/23/18 14:21	11/27/18 08:33	1

Lab Sample ID: LCS 480-447168/2-A
Matrix: Water
Analysis Batch: 447517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447168

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			6.00	6.42		mg/L		107	57 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	92		51 - 120

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 480-447168/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 447517 — **Prep Batch: 447168**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			6.00	6.20		mg/L		103	57 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*89*		*51 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-448471/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 448994 — **Prep Batch: 448685**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:05	1

Lab Sample ID: LCS 480-448471/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 448994 — **Prep Batch: 448685**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Iron			10.0	9.99		mg/L		100	80 - 120		

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-448939/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.446	J	2.0	0.35	mg/L			12/04/18 20:37	1

Lab Sample ID: LCS 480-448939/27 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448939

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			50.0	50.10		mg/L		100	90 - 110		

Lab Sample ID: 480-145645-8 MS — **Client Sample ID: MW-9D**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	3.8	B	50.0	51.23		mg/L		95	80 - 120		

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-447042/3
Matrix: Water
Analysis Batch: 447042

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 21:14	1

Lab Sample ID: LCS 480-447042/4
Matrix: Water
Analysis Batch: 447042

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.53		mg/L		102	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 480-447038/28
Matrix: Water
Analysis Batch: 447038

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:48	1

Lab Sample ID: MB 480-447038/4
Matrix: Water
Analysis Batch: 447038

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:21	1

Lab Sample ID: LCS 480-447038/29
Matrix: Water
Analysis Batch: 447038

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.50	1.53		mg/L		102	90 - 110

Lab Sample ID: LCS 480-447038/5
Matrix: Water
Analysis Batch: 447038

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.50	1.44		mg/L		96	90 - 110

GC/MS VOA

Analysis Batch: 447733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	8260C	
480-145645-2	MW-2S	Total/NA	Water	8260C	
480-145645-3	MW-2D	Total/NA	Water	8260C	
480-145645-4	MW-3D	Total/NA	Water	8260C	
480-145645-5	MW-7D	Total/NA	Water	8260C	
480-145645-6	MW-10D	Total/NA	Water	8260C	
MB 480-447733/7	Method Blank	Total/NA	Water	8260C	
LCS 480-447733/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 447790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-7	MW-9S	Total/NA	Water	8260C	
480-145645-8	MW-9D	Total/NA	Water	8260C	
MB 480-447790/7	Method Blank	Total/NA	Water	8260C	
LCS 480-447790/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 447175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	3510C	
480-145645-2 - DL	MW-2S	Total/NA	Water	3510C	
480-145645-2	MW-2S	Total/NA	Water	3510C	
480-145645-3	MW-2D	Total/NA	Water	3510C	
480-145645-4	MW-3D	Total/NA	Water	3510C	
480-145645-5	MW-7D	Total/NA	Water	3510C	
480-145645-6	MW-10D	Total/NA	Water	3510C	
480-145645-7	MW-9S	Total/NA	Water	3510C	
480-145645-8	MW-9D	Total/NA	Water	3510C	
MB 480-447175/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-447175/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-447175/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 448133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	8270D	447175
480-145645-2	MW-2S	Total/NA	Water	8270D	447175
480-145645-3	MW-2D	Total/NA	Water	8270D	447175
MB 480-447175/1-A	Method Blank	Total/NA	Water	8270D	447175
LCS 480-447175/2-A	Lab Control Sample	Total/NA	Water	8270D	447175
LCSD 480-447175/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	447175

Analysis Batch: 448401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-2 - DL	MW-2S	Total/NA	Water	8270D	447175
480-145645-4	MW-3D	Total/NA	Water	8270D	447175
480-145645-5	MW-7D	Total/NA	Water	8270D	447175
480-145645-6	MW-10D	Total/NA	Water	8270D	447175
480-145645-7	MW-9S	Total/NA	Water	8270D	447175
480-145645-8	MW-9D	Total/NA	Water	8270D	447175

GC VOA

Analysis Batch: 447105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	8015D	
480-145645-2	MW-2S	Total/NA	Water	8015D	
480-145645-3	MW-2D	Total/NA	Water	8015D	
480-145645-4	MW-3D	Total/NA	Water	8015D	
480-145645-5	MW-7D	Total/NA	Water	8015D	
480-145645-6	MW-10D	Total/NA	Water	8015D	
480-145645-7	MW-9S	Total/NA	Water	8015D	
480-145645-8	MW-9D	Total/NA	Water	8015D	
MB 480-447105/3	Method Blank	Total/NA	Water	8015D	
LCS 480-447105/4	Lab Control Sample	Total/NA	Water	8015D	
LCSD 480-447105/5	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 447168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	3510C	
480-145645-2	MW-2S	Total/NA	Water	3510C	
480-145645-3	MW-2D	Total/NA	Water	3510C	
480-145645-4	MW-3D	Total/NA	Water	3510C	
480-145645-5	MW-7D	Total/NA	Water	3510C	
480-145645-6	MW-10D	Total/NA	Water	3510C	
480-145645-7	MW-9S	Total/NA	Water	3510C	
480-145645-8	MW-9D	Total/NA	Water	3510C	
MB 480-447168/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-447168/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-447168/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 447517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	8015D	447168
480-145645-2	MW-2S	Total/NA	Water	8015D	447168
480-145645-3	MW-2D	Total/NA	Water	8015D	447168
480-145645-4	MW-3D	Total/NA	Water	8015D	447168
480-145645-5	MW-7D	Total/NA	Water	8015D	447168
480-145645-6	MW-10D	Total/NA	Water	8015D	447168
480-145645-7	MW-9S	Total/NA	Water	8015D	447168
480-145645-8	MW-9D	Total/NA	Water	8015D	447168
MB 480-447168/1-A	Method Blank	Total/NA	Water	8015D	447168
LCS 480-447168/2-A	Lab Control Sample	Total/NA	Water	8015D	447168
LCSD 480-447168/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	447168

Metals

Filtration Batch: 448471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Dissolved	Water	FILTRATION	
480-145645-2	MW-2S	Dissolved	Water	FILTRATION	
480-145645-3	MW-2D	Dissolved	Water	FILTRATION	
480-145645-4	MW-3D	Dissolved	Water	FILTRATION	

Metals (Continued)

Filtration Batch: 448471 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-5	MW-7D	Dissolved	Water	FILTRATION	
480-145645-6	MW-10D	Dissolved	Water	FILTRATION	
480-145645-7	MW-9S	Dissolved	Water	FILTRATION	
480-145645-8	MW-9D	Dissolved	Water	FILTRATION	
MB 480-448471/1-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	

Prep Batch: 448685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Dissolved	Water	3005A	448471
480-145645-2	MW-2S	Dissolved	Water	3005A	448471
480-145645-3	MW-2D	Dissolved	Water	3005A	448471
480-145645-4	MW-3D	Dissolved	Water	3005A	448471
480-145645-5	MW-7D	Dissolved	Water	3005A	448471
480-145645-6	MW-10D	Dissolved	Water	3005A	448471
480-145645-7	MW-9S	Dissolved	Water	3005A	448471
480-145645-8	MW-9D	Dissolved	Water	3005A	448471
MB 480-448471/1-B	Method Blank	Dissolved	Water	3005A	448471
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	3005A	448471

Analysis Batch: 448994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Dissolved	Water	6010C	448685
480-145645-2	MW-2S	Dissolved	Water	6010C	448685
480-145645-3	MW-2D	Dissolved	Water	6010C	448685
480-145645-4	MW-3D	Dissolved	Water	6010C	448685
480-145645-5	MW-7D	Dissolved	Water	6010C	448685
480-145645-6	MW-10D	Dissolved	Water	6010C	448685
480-145645-7	MW-9S	Dissolved	Water	6010C	448685
480-145645-8	MW-9D	Dissolved	Water	6010C	448685
MB 480-448471/1-B	Method Blank	Dissolved	Water	6010C	448685
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	6010C	448685

General Chemistry

Analysis Batch: 447038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	353.2	
480-145645-2	MW-2S	Total/NA	Water	353.2	
480-145645-3	MW-2D	Total/NA	Water	353.2	
480-145645-4	MW-3D	Total/NA	Water	353.2	
480-145645-5	MW-7D	Total/NA	Water	353.2	
480-145645-6	MW-10D	Total/NA	Water	353.2	
480-145645-7	MW-9S	Total/NA	Water	353.2	
480-145645-8	MW-9D	Total/NA	Water	353.2	
MB 480-447038/28	Method Blank	Total/NA	Water	353.2	
MB 480-447038/4	Method Blank	Total/NA	Water	353.2	
LCS 480-447038/29	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-447038/5	Lab Control Sample	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 447040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-2	MW-2S	Total/NA	Water	353.2	
480-145645-3	MW-2D	Total/NA	Water	353.2	
480-145645-4	MW-3D	Total/NA	Water	353.2	
480-145645-6	MW-10D	Total/NA	Water	353.2	
480-145645-7	MW-9S	Total/NA	Water	353.2	
480-145645-8	MW-9D	Total/NA	Water	353.2	

Analysis Batch: 447041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	353.2	
480-145645-2	MW-2S	Total/NA	Water	353.2	
480-145645-3	MW-2D	Total/NA	Water	353.2	
480-145645-4	MW-3D	Total/NA	Water	353.2	
480-145645-5	MW-7D	Total/NA	Water	353.2	
480-145645-6	MW-10D	Total/NA	Water	353.2	
480-145645-7	MW-9S	Total/NA	Water	353.2	
480-145645-8	MW-9D	Total/NA	Water	353.2	

Analysis Batch: 447042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	353.2	
480-145645-5	MW-7D	Total/NA	Water	353.2	
MB 480-447042/3	Method Blank	Total/NA	Water	353.2	
LCS 480-447042/4	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 448939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145645-1	MW-1D	Total/NA	Water	300.0	
480-145645-2	MW-2S	Total/NA	Water	300.0	
480-145645-3	MW-2D	Total/NA	Water	300.0	
480-145645-4	MW-3D	Total/NA	Water	300.0	
480-145645-5	MW-7D	Total/NA	Water	300.0	
480-145645-6	MW-10D	Total/NA	Water	300.0	
480-145645-7	MW-9S	Total/NA	Water	300.0	
480-145645-8	MW-9D	Total/NA	Water	300.0	
MB 480-448939/28	Method Blank	Total/NA	Water	300.0	
LCS 480-448939/27	Lab Control Sample	Total/NA	Water	300.0	
480-145645-8 MS	MW-9D	Total/NA	Water	300.0	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-1D

Date Collected: 11/20/18 10:15
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447733	11/28/18 02:29	AMM	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		1	448133	11/30/18 00:47	PJQ	TAL BUF
Total/NA	Analysis	8015D		1	447105	11/23/18 18:05	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 12:10	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:41	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448939	12/04/18 23:32	CLA	TAL BUF
Total/NA	Analysis	353.2		1	447038	11/21/18 20:23	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 21:16	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447042	11/21/18 21:16	DCB	TAL BUF

Client Sample ID: MW-2S

Date Collected: 11/20/18 10:15
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	447733	11/28/18 02:53	AMM	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		1	448133	11/30/18 01:17	PJQ	TAL BUF
Total/NA	Prep	3510C	DL		447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D	DL	10	448401	11/30/18 17:09	PJQ	TAL BUF
Total/NA	Analysis	8015D		10	447105	11/23/18 18:40	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		10	447517	11/27/18 12:46	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:45	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448939	12/04/18 23:47	CLA	TAL BUF
Total/NA	Analysis	353.2		1	447038	11/21/18 20:24	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447040	11/21/18 20:24	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 20:24	DCB	TAL BUF

Client Sample ID: MW-2D

Date Collected: 11/20/18 09:50
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	447733	11/28/18 03:15	AMM	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF

Client Sample ID: MW-2D

Lab Sample ID: 480-145645-3

Date Collected: 11/20/18 09:50

Matrix: Water

Date Received: 11/20/18 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	448133	11/30/18 01:46	PJQ	TAL BUF
Total/NA	Analysis	8015D		10	447105	11/23/18 19:14	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 13:22	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:49	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448939	12/05/18 00:01	CLA	TAL BUF
Total/NA	Analysis	353.2		1	447038	11/21/18 20:25	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447040	11/21/18 20:25	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 20:25	DCB	TAL BUF

Client Sample ID: MW-3D

Lab Sample ID: 480-145645-4

Date Collected: 11/20/18 16:50

Matrix: Water

Date Received: 11/20/18 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447733	11/28/18 03:39	AMM	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		100	448401	11/30/18 17:39	PJQ	TAL BUF
Total/NA	Analysis	8015D		5	447105	11/23/18 19:49	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		50	447517	11/27/18 13:58	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:52	LMH	TAL BUF
Total/NA	Analysis	300.0		5	448939	12/05/18 00:16	CLA	TAL BUF
Total/NA	Analysis	353.2		1	447038	11/21/18 20:26	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447040	11/21/18 20:26	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 20:26	DCB	TAL BUF

Client Sample ID: MW-7D

Lab Sample ID: 480-145645-5

Date Collected: 11/20/18 15:45

Matrix: Water

Date Received: 11/20/18 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447733	11/28/18 04:02	AMM	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		1	448401	11/30/18 18:08	PJQ	TAL BUF
Total/NA	Analysis	8015D		1	447105	11/23/18 11:45	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 15:10	MAN	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-7D

Date Collected: 11/20/18 15:45
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 12:56	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448939	12/05/18 00:31	CLA	TAL BUF
Total/NA	Analysis	353.2		5	447038	11/21/18 21:02	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 21:17	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447042	11/21/18 21:17	DCB	TAL BUF

Client Sample ID: MW-10D

Date Collected: 11/20/18 16:00
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	447733	11/28/18 04:25	AMM	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		50	448401	11/30/18 18:38	PJQ	TAL BUF
Total/NA	Analysis	8015D		10	447105	11/23/18 20:23	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		5	447517	11/27/18 15:46	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 13:00	LMH	TAL BUF
Total/NA	Analysis	300.0		2	448939	12/05/18 00:45	CLA	TAL BUF
Total/NA	Analysis	353.2		1	447038	11/21/18 20:34	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447040	11/21/18 20:34	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 20:34	DCB	TAL BUF

Client Sample ID: MW-9S

Date Collected: 11/20/18 11:00
Date Received: 11/20/18 19:00

Lab Sample ID: 480-145645-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447790	11/28/18 15:23	RLB	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		50	448401	11/30/18 19:07	PJQ	TAL BUF
Total/NA	Analysis	8015D		10	447105	11/23/18 15:12	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 16:22	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 13:04	LMH	TAL BUF
Total/NA	Analysis	300.0		1	448939	12/05/18 01:00	CLA	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Client Sample ID: MW-9S

Lab Sample ID: 480-145645-7

Date Collected: 11/20/18 11:00
Matrix: Water
Date Received: 11/20/18 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	447038	11/21/18 20:35	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447040	11/21/18 20:35	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 20:35	DCB	TAL BUF

Client Sample ID: MW-9D

Lab Sample ID: 480-145645-8

Date Collected: 11/20/18 11:45
Matrix: Water
Date Received: 11/20/18 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447790	11/28/18 15:51	RLB	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		5	448401	11/30/18 19:37	PJQ	TAL BUF
Total/NA	Analysis	8015D		10	447105	11/23/18 16:22	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		1	447517	11/27/18 10:21	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 13:18	LMH	TAL BUF
Total/NA	Analysis	300.0		1	448939	12/05/18 01:14	CLA	TAL BUF
Total/NA	Analysis	353.2		1	447038	11/21/18 20:37	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447040	11/21/18 20:37	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 20:37	DCB	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: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

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	03-31-19

Method Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL BUF
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

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: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145645-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-145645-1	MW-1D	Water	11/20/18 10:15	11/20/18 19:00
480-145645-2	MW-2S	Water	11/20/18 10:15	11/20/18 19:00
480-145645-3	MW-2D	Water	11/20/18 09:50	11/20/18 19:00
480-145645-4	MW-3D	Water	11/20/18 16:50	11/20/18 19:00
480-145645-5	MW-7D	Water	11/20/18 15:45	11/20/18 19:00
480-145645-6	MW-10D	Water	11/20/18 16:00	11/20/18 19:00
480-145645-7	MW-9S	Water	11/20/18 11:00	11/20/18 19:00
480-145645-8	MW-9D	Water	11/20/18 11:45	11/20/18 19:00

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

480-145645 COC

PAGE OF

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 495 Aero Drive, Cheektowaga, NY 14225 **Project Manager:** Eric D. Popken **Phone #:** 800-287-7857 **PM Email:** epopken@gesonline.com **Fax #:** 866-902-2187	**Project Name:** NYSDEC/Kennedy/NY/StateRte394/683 **Project Address:** 683 Route 394, Kennedy, NY **Project PSID #:** 743737	NYSDEC Region 8 NYSDEC Project Manager: Francine Gallego Phone #: 716-851-7200 **Invoice Instructions** NYSDEC Spill No. 1611473 Lab Project Manager: Orlette Johnson

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	Methanol	ENCORE	Amber	REQUESTED ANALYSIS (see Test Code sheet): CP-51 VOCs via Method 8260	CP-51 SVOCs via Method 8270	Sulfate	Nitrate-Nitrogen	Dissolved Iron	TPH-GRO	TPH-DRO		LAB USE ONLY
	MW-8D	NA	11-20-18	1600	PC	GW	13	6									X	X	X	X	X	X	X	
	MW-9S	NA	11-20-18	1100	PC	GW	13	6									X	X	X	X	X	X	X	
	MW-9D	NA	11-20-18	1145	PC	GW	13	6									X	X	X	X	X	X	X	
	~~MW-10D~~	NA				GW											X	X	X	X	X	X	X	
	~~MW-11D~~	NA				GW											X	X	X	X	X	X	X	
	~~MW-12D~~	NA				GW											X	X	X	X	X	X	X	
	~~MW-13D~~	NA				GW											X	X	X	X	X	X	X	

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

- [x] Standard _____/_____
- [ ] 1 day RUSH _____/_____
- [x] Other ~~14 day TA~~ _____/_____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Orlette Johnson 484-685-0864
Lab PM Email: orlette.johnson@testamericainc.com

Data Deliverable Information

- [ ] Commercial 'A' (Level 1) = Results Only
- [ ] Commercial 'B' (Level 2) = Results + QC Summary
- [ ] FULLT1 (Level 3 & 4)
- [ ] NJ Reduced = Results + QC Summary + Partial Raw Data
- [ ] Commercial 'C'
- [ ] *NJ Data of Known Quality Protocol Reporting*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [x] EQEDD (for GES)
- [x] NYDEC EDD (for NYSDEC)

145645

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

EQEDD Name: NYSDEC/Kennedy/NY/StateRte394/683_LabReport#.30006.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sampler: 1	Date / Time: 1 11-20-18 1900	Received By: 1 TAB 11/20 1900
Relinquished By: 2	Date / Time: 2	Received By: 2
Relinquished By: 3	Date / Time: 3	Received By: 3

Custody Seal Number: [x] Intact [ ] Not Intact [x] Preserved where applicable [x] On Ice Cooler Temp 3.0, 4.0, 2.0 #1

Page 46 of 49

12/6/2018

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

PAGE OF

NYSDEC Kennedy, Spill Number 1611473

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 495 Aero Drive, Cheektowaga, NY 14225 **Project Manager:** Eric D. Popken **Phone #:** 800-287-7857 **Email:** epopken@gesonline.com **Fax #:** 866-902-2187	**Project Name:** NYSDEC/Kennedy/NY/StateRte394/683 **Project Address:** 683 Route 394, Kennedy, NY **Project PSID #:** 743737	**NYSDEC Region 8** **NYSDEC Project Manager:** Francine Gallego **Phone #:** 716-851-7200 **Invoice Instructions** **NYSDEC Spill No.** 1611473 **Lab Project Manager:** Orlette Johnson

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	Methanol	ENCORE	Amber	CP-51 VOCs via Method 8260	CP-51 SVOCs via Method 8270	Sulfate	Nitrate-Nitrogen	Dissolved Iron	TPH-GRO	TPH-DRO		LAB USE ONLY
	MW-1D	NA	11-20-18	1345	PC	GW	13	6									X	X	X	X	X	X	X		
	MW-2S	NA	11-20-18	1015	PC	GW	13	6									X	X	X	X	X	X	X		
	MW-2D	NA	11-20-18	0950	PC	GW	13	6									X	X	X	X	X	X	X		
	MW-3D	NA	11-20-18	1040	PC	GW	13	6									X	X	X	X	X	X	X		
	~~MW-4S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-4D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-5S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-5D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-6S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-6D~~	NA				GW											X	X	X	X	X	X	X		
	MW-7D	NA	11-20-18	1545	PC	GW	13	6									X	X	X	X	X	X	X		
	~~MW-8S~~	NA				GW											X	X	X	X	X	X	X		

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

- ☐ Standard ____/____
- ☐ ~~1 day RUSH~~ ____/____
- ☑ Other ~~14 day TA~~ ____/____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Orlette Johnson 484-685-0864
Lab PM Email: orlette.johnson@testamericainc.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☑ EQEDD (for GES)
- ☑ NYDEC EDD (for NYSDEC)

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

EQEDD Name: NYSDEC/Kennedy/NY/StateRte394/683_LabReport#.30006.EQEDD.zip

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

Relinquished By Sampler: 1	Date / Time: 1 11-20-18 1400	Received By: 1 TAB 1900 11/20
Relinquished By: 2	Date / Time: 2	Received By: 2
Relinquished By: 3	Date / Time: 3	Received By: 3

Custody Seal Number: ☐ Intact ☐ Not Intact ☒ Preserved where applicable ☒ On Ice Cooler Temp 3.8, 4.0, 2.0 #1

12/6/2018

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

NYSDEC Kennedy, Spill Number 1611473

FED-EX Tracking #

Lab Quote #

480-145646 COC

PAGE 1 OF 1

Bottle Order Control #

Lab Job # 646

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 495 Aero Drive, Cheektowaga, NY 14225 **Project Manager:** Eric D. Popken **Phone #:** 800-287-7857 **Email:** epopken@gesonline.com **Fax #:** 866-902-2187	**Project Name:** NYSDEC/Kennedy/NY/StateRte394/683 **Project Address:** 683 Route 394, Kennedy, NY **Project PSID #:** 743737	**NYSDEC Region 8** **NYSDEC Project Manager:** Francine Gallego **Phone #:** 716-851-7200 **Invoice Instructions** **NYSDEC Spill No.** 1611473 **Lab Project Manager:** Orlette Johnson

Sampler(s) Name:	Sampler(s) Name:	number of preserved bottles	REQUESTED ANALYSIS (see Test Code sheet)	LAB USE ONLY

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	Methanol	ENCORE	Amber	CP-51 VOCs via Method 8260	CP-51 SVOCs via Method 8270	Sulfate	Nitrate-Nitrogen	Dissolved Iron	TPH-GRO	TPH-DRO		
	~~MW-1D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-2S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-2D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-3D~~	NA				GW											X	X	X	X	X	X	X		
	MW-4S	NA	11-21-16	1000	PC	GW	13	6									X	X	X	X	X	X	X		
	MW-4D	NA	11-21-16	0945	PC	GW	13	6									X	X	X	X	X	X	X		
	~~MW-5S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-5D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-6S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-6D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-7D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-8S~~	NA				GW											X	X	X	X	X	X	X		

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

- ☐ Standard
- ☐ 1 day RUSH
- ☑ Other ~~14 day TA~~

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Orlette Johnson 484-685-0864
Lab PM Email: orlette.johnson@testamericainc.com

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- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ NJ Data of Known Quality Protocol Reporting
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☑ EQEDD (for GES)
- ☑ NYDEC EDD (for NYSDEC)

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

EQEDD Name: NYSDEC/Kennedy/NY/StateRte394/683_LabReport#.30006.EQEDD.zip

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

	Relinquished By Sampler:	Date / Time:	Received By:
1		11-21-16 1930	11/21/16 1330
2	Relinquished By:	Date / Time:	Received By:
3	Relinquished By:	Date / Time:	Received By:

Custody Seal Number: ☐ Intact ☐ Not Intact ☒ Preserved where applicable ☒ On Ice Cooler Temp 3.5 #1

12/6/2018

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-145645-1

Login Number: 145645

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-145646-1
Client Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Francine Gallego

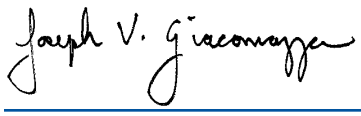
Joseph V. Giacomazza

Authorized for release by:
12/7/2018 10:48:44 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

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.



Joe Giacomazza
Project Management Assistant II
12/7/2018 10:48:44 AM

Table of Contents

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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)

Job ID: 480-145646-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-145646-1

Comments
No additional comments.

Receipt
The samples were received on 11/21/2018 1:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-4S (480-145646-1). 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-4D (480-145646-2), (480-145646-I-2 MS) and (480-145646-I-2 MSD). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-448401 recovered above the upper control limit for Fluoranthene. 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-4S (480-145646-1) and MW-4D (480-145646-2).

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MW-4S (480-145646-1) and MW-4D (480-145646-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-4S (480-145646-1) and MW-4D (480-145646-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

HPLC/IC
Method(s) 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-4S (480-145646-1) and MW-4D (480-145646-2). Elevated reporting limits (RLs) are provided.

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

GC VOA
Method(s) 8015D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4S (480-145646-1) and MW-4D (480-145646-2). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
Method(s) 8015D: The following sample diluted due to the abundance of target analytes: MW-4S (480-145646-1) and MW-4D (480-145646-2). As such, surrogate recovery is below the calibration range and is not representative. 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.

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

Job ID: 480-145646-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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

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

Detection Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Client Sample ID: MW-4S — Lab Sample ID: 480-145646-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	15		2.0	1.5	ug/L	2		8260C	Total/NA
Benzene	3.2		2.0	0.82	ug/L	2		8260C	Total/NA
Isopropylbenzene	21		2.0	1.6	ug/L	2		8260C	Total/NA
n-Butylbenzene	19		2.0	1.3	ug/L	2		8260C	Total/NA
N-Propylbenzene	51		2.0	1.4	ug/L	2		8260C	Total/NA
o-Xylene	1.9	J	2.0	1.5	ug/L	2		8260C	Total/NA
sec-Butylbenzene	14		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	1.1	J	2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	1.9	J	4.0	1.3	ug/L	2		8260C	Total/NA
Fluorene	90	J	500	36	ug/L	100		8270D	Total/NA
Phenanthrene	190	J	500	44	ug/L	100		8270D	Total/NA
GRO (C6-C10)	1900	B	250	42	ug/L	10		8015D	Total/NA
Diesel Range Organics [C10-C28]	310		25	16	mg/L	50		8015D	Total/NA
Iron	2.5		0.050	0.019	mg/L	1		6010C	Dissolved
Nitrate as N	0.044	J	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.044	J	0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-4D — Lab Sample ID: 480-145646-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.6		1.0	0.74	ug/L	1		8260C	Total/NA
Isopropylbenzene	21		1.0	0.79	ug/L	1		8260C	Total/NA
n-Butylbenzene	26		1.0	0.64	ug/L	1		8260C	Total/NA
N-Propylbenzene	31		1.0	0.69	ug/L	1		8260C	Total/NA
sec-Butylbenzene	18		1.0	0.75	ug/L	1		8260C	Total/NA
1,2,4-Trimethylbenzene - DL	150	F1	4.0	3.0	ug/L	4		8260C	Total/NA
GRO (C6-C10)	1600	B	250	42	ug/L	10		8015D	Total/NA
Diesel Range Organics [C10-C28]	410		25	16	mg/L	50		8015D	Total/NA
Iron	1.0		0.050	0.019	mg/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Client Sample ID: MW-4S
Date Collected: 11/21/18 10:00
Date Received: 11/21/18 13:30

Lab Sample ID: 480-145646-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**15**		2.0	1.5	ug/L			11/28/18 04:27	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			11/28/18 04:27	2
4-Isopropyltoluene	ND		2.0	0.62	ug/L			11/28/18 04:27	2
Benzene	**3.2**		2.0	0.82	ug/L			11/28/18 04:27	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/28/18 04:27	2
Isopropylbenzene	**21**		2.0	1.6	ug/L			11/28/18 04:27	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			11/28/18 04:27	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			11/28/18 04:27	2
Naphthalene	ND		2.0	0.86	ug/L			11/28/18 04:27	2
n-Butylbenzene	**19**		2.0	1.3	ug/L			11/28/18 04:27	2
N-Propylbenzene	**51**		2.0	1.4	ug/L			11/28/18 04:27	2
o-Xylene	**1.9**	**J**	2.0	1.5	ug/L			11/28/18 04:27	2
sec-Butylbenzene	**14**		2.0	1.5	ug/L			11/28/18 04:27	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			11/28/18 04:27	2
Toluene	**1.1**	**J**	2.0	1.0	ug/L			11/28/18 04:27	2
Xylenes, Total	**1.9**	**J**	4.0	1.3	ug/L			11/28/18 04:27	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*11/28/18 04:27*	*2*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/28/18 04:27*	*2*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/28/18 04:27*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		500	41	ug/L		11/23/18 14:50	11/30/18 20:06	100
Acenaphthylene	ND		500	38	ug/L		11/23/18 14:50	11/30/18 20:06	100
Anthracene	ND		500	28	ug/L		11/23/18 14:50	11/30/18 20:06	100
Benzo(a)anthracene	ND		500	36	ug/L		11/23/18 14:50	11/30/18 20:06	100
Benzo(a)pyrene	ND		500	47	ug/L		11/23/18 14:50	11/30/18 20:06	100
Benzo(b)fluoranthene	ND		500	34	ug/L		11/23/18 14:50	11/30/18 20:06	100
Benzo(g,h,i)perylene	ND		500	35	ug/L		11/23/18 14:50	11/30/18 20:06	100
Benzo(k)fluoranthene	ND		500	73	ug/L		11/23/18 14:50	11/30/18 20:06	100
Chrysene	ND		500	33	ug/L		11/23/18 14:50	11/30/18 20:06	100
Dibenz(a,h)anthracene	ND		500	42	ug/L		11/23/18 14:50	11/30/18 20:06	100
Fluoranthene	ND		500	40	ug/L		11/23/18 14:50	11/30/18 20:06	100
Fluorene	**90**	**J**	500	36	ug/L		11/23/18 14:50	11/30/18 20:06	100
Indeno(1,2,3-cd)pyrene	ND		500	47	ug/L		11/23/18 14:50	11/30/18 20:06	100
Naphthalene	ND		500	76	ug/L		11/23/18 14:50	11/30/18 20:06	100
Phenanthrene	**190**	**J**	500	44	ug/L		11/23/18 14:50	11/30/18 20:06	100
Pyrene	ND		500	34	ug/L		11/23/18 14:50	11/30/18 20:06	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*211*	*X*	*41 - 120*	*11/23/18 14:50*	*11/30/18 20:06*	*100*
2-Fluorophenol	*43*		*35 - 120*	*11/23/18 14:50*	*11/30/18 20:06*	*100*
2-Fluorobiphenyl	*114*		*48 - 120*	*11/23/18 14:50*	*11/30/18 20:06*	*100*
Phenol-d5	*11*	*X*	*22 - 120*	*11/23/18 14:50*	*11/30/18 20:06*	*100*
p-Terphenyl-d14	*88*		*59 - 136*	*11/23/18 14:50*	*11/30/18 20:06*	*100*
Nitrobenzene-d5	*0*	*X*	*46 - 120*	*11/23/18 14:50*	*11/30/18 20:06*	*100*

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Client Sample ID: MW-4S
Date Collected: 11/21/18 10:00
Date Received: 11/21/18 13:30

Lab Sample ID: 480-145646-1
Matrix: Water

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	1900	B	250	42	ug/L			11/23/18 22:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*80 - 120*		*11/23/18 22:42*	*10*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	310		25	16	mg/L		11/23/18 14:21	11/27/18 18:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*115*		*51 - 120*	*11/23/18 14:21*	*11/27/18 18:10*	*50*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.5		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		10.0	1.7	mg/L			12/05/18 15:50	5
Nitrate as N	0.044	J	0.050	0.020	mg/L			11/21/18 20:38	1
Nitrate Nitrite as N	0.044	J	0.050	0.020	mg/L			11/21/18 20:38	1
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:38	1

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Client Sample ID: MW-4D
Date Collected: 11/21/18 09:45
Date Received: 11/21/18 13:30

Lab Sample ID: 480-145646-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 04:51	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 04:51	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 04:51	1
Ethylbenzene	**1.6**		1.0	0.74	ug/L			11/28/18 04:51	1
Isopropylbenzene	**21**		1.0	0.79	ug/L			11/28/18 04:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 04:51	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 04:51	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 04:51	1
n-Butylbenzene	**26**		1.0	0.64	ug/L			11/28/18 04:51	1
N-Propylbenzene	**31**		1.0	0.69	ug/L			11/28/18 04:51	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 04:51	1
sec-Butylbenzene	**18**		1.0	0.75	ug/L			11/28/18 04:51	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 04:51	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 04:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 04:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*11/28/18 04:51*	*1*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*11/28/18 04:51*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/28/18 04:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**150**	**F1**	4.0	3.0	ug/L			11/28/18 12:39	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/28/18 12:39*	*4*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/28/18 12:39*	*4*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/28/18 12:39*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1000	82	ug/L		11/23/18 14:50	11/30/18 20:35	200
Acenaphthylene	ND		1000	76	ug/L		11/23/18 14:50	11/30/18 20:35	200
Anthracene	ND		1000	56	ug/L		11/23/18 14:50	11/30/18 20:35	200
Benzo(a)anthracene	ND		1000	72	ug/L		11/23/18 14:50	11/30/18 20:35	200
Benzo(a)pyrene	ND		1000	94	ug/L		11/23/18 14:50	11/30/18 20:35	200
Benzo(b)fluoranthene	ND		1000	68	ug/L		11/23/18 14:50	11/30/18 20:35	200
Benzo(g,h,i)perylene	ND		1000	70	ug/L		11/23/18 14:50	11/30/18 20:35	200
Benzo(k)fluoranthene	ND		1000	150	ug/L		11/23/18 14:50	11/30/18 20:35	200
Chrysene	ND		1000	66	ug/L		11/23/18 14:50	11/30/18 20:35	200
Dibenz(a,h)anthracene	ND		1000	84	ug/L		11/23/18 14:50	11/30/18 20:35	200
Fluoranthene	ND		1000	80	ug/L		11/23/18 14:50	11/30/18 20:35	200
Fluorene	ND		1000	72	ug/L		11/23/18 14:50	11/30/18 20:35	200
Indeno(1,2,3-cd)pyrene	ND		1000	94	ug/L		11/23/18 14:50	11/30/18 20:35	200
Naphthalene	ND		1000	150	ug/L		11/23/18 14:50	11/30/18 20:35	200
Phenanthrene	ND		1000	88	ug/L		11/23/18 14:50	11/30/18 20:35	200
Pyrene	ND		1000	68	ug/L		11/23/18 14:50	11/30/18 20:35	200

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Client Sample ID: MW-4D
Date Collected: 11/21/18 09:45
Date Received: 11/21/18 13:30

Lab Sample ID: 480-145646-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	0	X	41 - 120	11/23/18 14:50	11/30/18 20:35	200
2-Fluorophenol	0	X	35 - 120	11/23/18 14:50	11/30/18 20:35	200
2-Fluorobiphenyl	0	X	48 - 120	11/23/18 14:50	11/30/18 20:35	200
Phenol-d5	0	X	22 - 120	11/23/18 14:50	11/30/18 20:35	200
p-Terphenyl-d14	73		59 - 136	11/23/18 14:50	11/30/18 20:35	200
Nitrobenzene-d5	0	X	46 - 120	11/23/18 14:50	11/30/18 20:35	200

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	1600	B	250	42	ug/L			11/23/18 23:17	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	109		80 - 120		11/23/18 23:17	10

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	410		25	16	mg/L		11/23/18 14:21	11/27/18 18:46	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		51 - 120	11/23/18 14:21	11/27/18 18:46	50

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.0		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		10.0	1.7	mg/L			12/05/18 16:22	5
Nitrate as N	ND		0.050	0.020	mg/L			11/21/18 20:39	1
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:39	1
Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:39	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)
480-145646-1	MW-4S	113	111	102
480-145646-2	MW-4D	113	114	103
480-145646-2 - DL	MW-4D	104	109	101
480-145646-2 MS	MW-4D	118	110	104
480-145646-2 MSD	MW-4D	105	111	104
LCS 480-447744/6	Lab Control Sample	116	112	97
LCS 480-447746/6	Lab Control Sample	116	112	97
LCS 480-447806/5	Lab Control Sample	110	111	102
LCSD 480-447744/7	Lab Control Sample Dup	115	114	99
MB 480-447744/9	Method Blank	112	112	98
MB 480-447746/9	Method Blank	112	112	98
MB 480-447806/8	Method Blank	105	112	101

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	FBP	PHL	TPHd14	NBZ
Lab Sample ID	Client Sample ID	(41-120)	(35-120)	(48-120)	(22-120)	(59-136)	(46-120)
480-145646-1	MW-4S	211 X	43	114	11 X	88	0 X
480-145646-2	MW-4D	0 X	0 X	0 X	0 X	73	0 X
LCS 480-447175/2-A	Lab Control Sample	76	61	76	47	85	75
LCSD 480-447175/3-A	Lab Control Sample Dup	80	62	80	48	84	79
MB 480-447175/1-A	Method Blank	59	55	80	41	81	80

Surrogate Legend

TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14
NBZ = Nitrobenzene-d5

Method: 8015D - Gasoline Range Organics (GRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(80-120)
480-145646-1	MW-4S	105
480-145646-2	MW-4D	109
LCS 480-447105/4	Lab Control Sample	103
LCSD 480-447105/5	Lab Control Sample Dup	103
MB 480-447105/3	Method Blank	105

Surrogate Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: 8015D - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OTPH (51-120)							
480-145646-1	MW-4S	115							
480-145646-2	MW-4D	71							
LCS 480-447168/2-A	Lab Control Sample	92							
LCSD 480-447168/3-A	Lab Control Sample Dup	89							
MB 480-447168/1-A	Method Blank	90							

Surrogate Legend

OTPH = o-Terphenyl

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

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

Lab Sample ID: MB 480-447744/9
Matrix: Water
Analysis Batch: 447744

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/28/18 00:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 00:18	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 00:18	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 00:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 00:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 00:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 00:18	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 00:18	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 00:18	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/28/18 00:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/28/18 00:18	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 00:18	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/28/18 00:18	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 00:18	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 00:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 00:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*11/28/18 00:18*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*11/28/18 00:18*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/28/18 00:18*	*1*

Lab Sample ID: LCS 480-447744/6
Matrix: Water
Analysis Batch: 447744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	27.2		ug/L		109	76 - 121
1,3,5-Trimethylbenzene	25.0	26.7		ug/L		107	77 - 121
4-Isopropyltoluene	25.0	27.5		ug/L		110	73 - 120
Benzene	25.0	24.6		ug/L		98	71 - 124
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Isopropylbenzene	25.0	27.3		ug/L		109	77 - 122
Methyl tert-butyl ether	25.0	26.4		ug/L		106	77 - 120
m-Xylene & p-Xylene	25.0	26.4		ug/L		106	76 - 122
Naphthalene	25.0	27.9		ug/L		111	66 - 125
n-Butylbenzene	25.0	26.2		ug/L		105	71 - 128
N-Propylbenzene	25.0	26.2		ug/L		105	75 - 127
o-Xylene	25.0	25.2		ug/L		101	76 - 122
sec-Butylbenzene	25.0	26.9		ug/L		108	74 - 127
tert-Butylbenzene	25.0	26.8		ug/L		107	75 - 123
Toluene	25.0	25.3		ug/L		101	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: LCSD 480-447744/7
Matrix: Water
Analysis Batch: 447744

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene			25.0	27.2		ug/L		109	76 - 121	0	20
1,3,5-Trimethylbenzene			25.0	26.1		ug/L		104	77 - 121	2	20
4-Isopropyltoluene			25.0	27.5		ug/L		110	73 - 120	0	20
Benzene			25.0	24.2		ug/L		97	71 - 124	2	13
Ethylbenzene			25.0	26.9		ug/L		108	77 - 123	5	15
Isopropylbenzene			25.0	27.6		ug/L		110	77 - 122	1	20
Methyl tert-butyl ether			25.0	25.7		ug/L		103	77 - 120	3	37
m-Xylene & p-Xylene			25.0	26.9		ug/L		108	76 - 122	2	16
Naphthalene			25.0	28.5		ug/L		114	66 - 125	2	20
n-Butylbenzene			25.0	26.6		ug/L		106	71 - 128	2	15
N-Propylbenzene			25.0	26.7		ug/L		107	75 - 127	2	15
o-Xylene			25.0	24.4		ug/L		98	76 - 122	3	16
sec-Butylbenzene			25.0	27.2		ug/L		109	74 - 127	1	15
tert-Butylbenzene			25.0	26.3		ug/L		105	75 - 123	2	15
Toluene			25.0	25.8		ug/L		103	80 - 122	2	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-447746/9
Matrix: Water
Analysis Batch: 447746

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/28/18 00:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 00:18	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 00:18	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 00:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 00:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 00:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 00:18	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 00:18	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 00:18	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/28/18 00:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/28/18 00:18	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 00:18	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/28/18 00:18	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 00:18	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 00:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 00:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*11/28/18 00:18*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*11/28/18 00:18*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/28/18 00:18*	*1*

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

Lab Sample ID: LCS 480-447746/6
Matrix: Water
Analysis Batch: 447746

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	27.2		ug/L		109	76 - 121
1,3,5-Trimethylbenzene	25.0	26.7		ug/L		107	77 - 121
4-Isopropyltoluene	25.0	27.5		ug/L		110	73 - 120
Benzene	25.0	24.6		ug/L		98	71 - 124
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Isopropylbenzene	25.0	27.3		ug/L		109	77 - 122
Methyl tert-butyl ether	25.0	26.4		ug/L		106	77 - 120
m-Xylene & p-Xylene	25.0	25.5		ug/L		102	76 - 122
Naphthalene	25.0	27.9		ug/L		111	66 - 125
n-Butylbenzene	25.0	26.2		ug/L		105	71 - 128
N-Propylbenzene	25.0	26.2		ug/L		105	75 - 127
o-Xylene	25.0	25.2		ug/L		101	76 - 122
sec-Butylbenzene	25.0	26.9		ug/L		108	74 - 127
tert-Butylbenzene	25.0	26.8		ug/L		107	75 - 123
Toluene	25.0	25.3		ug/L		101	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 480-447806/8
Matrix: Water
Analysis Batch: 447806

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/28/18 11:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/28/18 11:42	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			11/28/18 11:42	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 11:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 11:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 11:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 11:42	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/28/18 11:42	1
Naphthalene	ND		1.0	0.43	ug/L			11/28/18 11:42	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/28/18 11:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/28/18 11:42	1
o-Xylene	ND		1.0	0.76	ug/L			11/28/18 11:42	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/28/18 11:42	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/28/18 11:42	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 11:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/28/18 11:42*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*11/28/18 11:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/28/18 11:42*	*1*

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

Lab Sample ID: LCS 480-447806/5
Matrix: Water
Analysis Batch: 447806

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	25.9		ug/L		103	76 - 121
1,3,5-Trimethylbenzene	25.0	25.1		ug/L		100	77 - 121
4-Isopropyltoluene	25.0	26.3		ug/L		105	73 - 120
Benzene	25.0	24.6		ug/L		98	71 - 124
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	26.1		ug/L		104	77 - 122
Methyl tert-butyl ether	25.0	26.9		ug/L		108	77 - 120
m-Xylene & p-Xylene	25.0	25.7		ug/L		103	76 - 122
Naphthalene	25.0	27.3		ug/L		109	66 - 125
n-Butylbenzene	25.0	24.9		ug/L		100	71 - 128
N-Propylbenzene	25.0	24.8		ug/L		99	75 - 127
o-Xylene	25.0	25.6		ug/L		102	76 - 122
sec-Butylbenzene	25.0	26.0		ug/L		104	74 - 127
tert-Butylbenzene	25.0	24.4		ug/L		98	75 - 123
Toluene	25.0	26.1		ug/L		105	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 480-145646-2 MS
Matrix: Water
Analysis Batch: 447806

Client Sample ID: MW-4D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	150	F1	100	276	F1	ug/L		124	76 - 121
1,3,5-Trimethylbenzene	ND		100	93.9		ug/L		94	77 - 121
4-Isopropyltoluene	ND		100	81.9		ug/L		82	73 - 120
Benzene	ND		100	106		ug/L		106	71 - 124
Ethylbenzene	ND		100	105		ug/L		105	77 - 123
Isopropylbenzene	20		100	124		ug/L		104	77 - 122
Methyl tert-butyl ether	ND		100	111		ug/L		111	77 - 120
m-Xylene & p-Xylene	ND		100	102		ug/L		102	76 - 122
Naphthalene	8.5		100	125		ug/L		117	66 - 125
n-Butylbenzene	18	F1	100	96.7		ug/L		79	71 - 128
N-Propylbenzene	30		100	128		ug/L		98	75 - 127
o-Xylene	ND		100	103		ug/L		103	76 - 122
sec-Butylbenzene	15		100	102		ug/L		87	74 - 127
tert-Butylbenzene	ND		100	87.7		ug/L		88	75 - 123
Toluene	ND		100	105		ug/L		105	80 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*77 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: 480-145646-2 MSD
Matrix: Water
Analysis Batch: 447806

Client Sample ID: MW-4D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	150	F1	100	259		ug/L		108	76 - 121	6	20
1,3,5-Trimethylbenzene	ND		100	85.7		ug/L		86	77 - 121	9	20
4-Isopropyltoluene	ND		100	73.7		ug/L		74	73 - 120	11	20
Benzene	ND		100	96.2		ug/L		96	71 - 124	10	13
Ethylbenzene	ND		100	103		ug/L		103	77 - 123	1	15
Isopropylbenzene	20		100	113		ug/L		93	77 - 122	9	20
Methyl tert-butyl ether	ND		100	105		ug/L		105	77 - 120	6	37
m-Xylene & p-Xylene	ND		100	97.0		ug/L		97	76 - 122	5	16
Naphthalene	8.5		100	114		ug/L		106	66 - 125	9	20
n-Butylbenzene	18	F1	100	88.3	F1	ug/L		70	71 - 128	9	15
N-Propylbenzene	30		100	120		ug/L		90	75 - 127	7	15
o-Xylene	ND		100	96.5		ug/L		96	76 - 122	6	16
sec-Butylbenzene	15		100	95.2		ug/L		80	74 - 127	7	15
tert-Butylbenzene	ND		100	81.8		ug/L		82	75 - 123	7	15
Toluene	ND		100	102		ug/L		102	80 - 122	3	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: MB 480-447175/1-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/23/18 14:50	11/29/18 18:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/23/18 14:50	11/29/18 18:53	1
Anthracene	ND		5.0	0.28	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/23/18 14:50	11/29/18 18:53	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/23/18 14:50	11/29/18 18:53	1
Chrysene	ND		5.0	0.33	ug/L		11/23/18 14:50	11/29/18 18:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/23/18 14:50	11/29/18 18:53	1
Fluoranthene	ND		5.0	0.40	ug/L		11/23/18 14:50	11/29/18 18:53	1
Fluorene	ND		5.0	0.36	ug/L		11/23/18 14:50	11/29/18 18:53	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/23/18 14:50	11/29/18 18:53	1
Naphthalene	ND		5.0	0.76	ug/L		11/23/18 14:50	11/29/18 18:53	1
Phenanthrene	ND		5.0	0.44	ug/L		11/23/18 14:50	11/29/18 18:53	1
Pyrene	ND		5.0	0.34	ug/L		11/23/18 14:50	11/29/18 18:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*41 - 120*	*11/23/18 14:50*	*11/29/18 18:53*	*1*

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

Lab Sample ID: MB 480-447175/1-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447175

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	55		35 - 120	11/23/18 14:50	11/29/18 18:53	1
2-Fluorobiphenyl	80		48 - 120	11/23/18 14:50	11/29/18 18:53	1
Phenol-d5	41		22 - 120	11/23/18 14:50	11/29/18 18:53	1
p-Terphenyl-d14	81		59 - 136	11/23/18 14:50	11/29/18 18:53	1
Nitrobenzene-d5	80		46 - 120	11/23/18 14:50	11/29/18 18:53	1

Lab Sample ID: LCS 480-447175/2-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	28.4		ug/L		89	60 - 120
Acenaphthylene	32.0	30.4		ug/L		95	63 - 120
Anthracene	32.0	28.6		ug/L		89	67 - 120
Benzo(a)anthracene	32.0	31.0		ug/L		97	70 - 121
Benzo(a)pyrene	32.0	30.4		ug/L		95	60 - 123
Benzo(b)fluoranthene	32.0	31.5		ug/L		98	66 - 126
Benzo(g,h,i)perylene	32.0	30.5		ug/L		95	66 - 150
Benzo(k)fluoranthene	32.0	31.1		ug/L		97	65 - 124
Chrysene	32.0	29.2		ug/L		91	69 - 120
Dibenz(a,h)anthracene	32.0	31.4		ug/L		98	65 - 135
Fluoranthene	32.0	32.0		ug/L		100	69 - 126
Fluorene	32.0	29.6		ug/L		93	66 - 120
Indeno(1,2,3-cd)pyrene	32.0	29.8		ug/L		93	69 - 146
Naphthalene	32.0	25.1		ug/L		79	57 - 120
Phenanthrene	32.0	28.0		ug/L		88	68 - 120
Pyrene	32.0	29.3		ug/L		92	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	76		41 - 120
2-Fluorophenol	61		35 - 120
2-Fluorobiphenyl	76		48 - 120
Phenol-d5	47		22 - 120
p-Terphenyl-d14	85		59 - 136
Nitrobenzene-d5	75		46 - 120

Lab Sample ID: LCSD 480-447175/3-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 447175

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	32.0	30.0		ug/L		94	60 - 120	6	24
Acenaphthylene	32.0	32.0		ug/L		100	63 - 120	5	18
Anthracene	32.0	30.1		ug/L		94	67 - 120	5	15
Benzo(a)anthracene	32.0	32.2		ug/L		101	70 - 121	4	15
Benzo(a)pyrene	32.0	31.7		ug/L		99	60 - 123	4	15
Benzo(b)fluoranthene	32.0	32.3		ug/L		101	66 - 126	2	15
Benzo(g,h,i)perylene	32.0	32.3		ug/L		101	66 - 150	6	15

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

Lab Sample ID: LCSD 480-447175/3-A
Matrix: Water
Analysis Batch: 448133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 447175

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo(k)fluoranthene			32.0	33.4		ug/L		104	65 - 124	7	22
Chrysene			32.0	30.2		ug/L		94	69 - 120	3	15
Dibenz(a,h)anthracene			32.0	32.5		ug/L		102	65 - 135	3	15
Fluoranthene			32.0	33.2		ug/L		104	69 - 126	4	15
Fluorene			32.0	31.0		ug/L		97	66 - 120	5	15
Indeno(1,2,3-cd)pyrene			32.0	31.0		ug/L		97	69 - 146	4	15
Naphthalene			32.0	26.7		ug/L		83	57 - 120	6	29
Phenanthrene			32.0	29.6		ug/L		92	68 - 120	5	15
Pyrene			32.0	30.5		ug/L		95	70 - 125	4	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*80*		*41 - 120*
2-Fluorophenol	*62*		*35 - 120*
2-Fluorobiphenyl	*80*		*48 - 120*
Phenol-d5	*48*		*22 - 120*
p-Terphenyl-d14	*84*		*59 - 136*
Nitrobenzene-d5	*79*		*46 - 120*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 480-447105/3
Matrix: Water
Analysis Batch: 447105

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	14.7	J	25	4.2	ug/L			11/23/18 10:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*80 - 120*		*11/23/18 10:02*	*1*

Lab Sample ID: LCS 480-447105/4
Matrix: Water
Analysis Batch: 447105

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C6-C10)			200	158		ug/L		79	66 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*103*		*80 - 120*

Lab Sample ID: LCSD 480-447105/5
Matrix: Water
Analysis Batch: 447105

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C6-C10)			200	158		ug/L		79	66 - 120	0	30

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCSD 480-447105/5
Matrix: Water
Analysis Batch: 447105

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	103		80 - 120

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-447168/1-A
Matrix: Water
Analysis Batch: 447517

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		11/23/18 14:21	11/27/18 08:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	90		51 - 120	11/23/18 14:21	11/27/18 08:33	1

Lab Sample ID: LCS 480-447168/2-A
Matrix: Water
Analysis Batch: 447517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	6.00	6.42		mg/L		107	57 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	92		51 - 120

Lab Sample ID: LCSD 480-447168/3-A
Matrix: Water
Analysis Batch: 447517

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 447168

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	6.00	6.20		mg/L		103	57 - 120	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	89		51 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-448471/1-B
Matrix: Water
Analysis Batch: 448994

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 448685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/03/18 10:59	12/04/18 12:05	1

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

Lab Sample ID: LCS 480-448471/2-B
Matrix: Water
Analysis Batch: 448994

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 448685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	10.0	9.99		mg/L		100	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-449176/4
Matrix: Water
Analysis Batch: 449176

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			12/05/18 14:51	1

Lab Sample ID: LCS 480-449176/3
Matrix: Water
Analysis Batch: 449176

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	47.59		mg/L		95	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 480-447038/28
Matrix: Water
Analysis Batch: 447038

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:48	1

Lab Sample ID: MB 480-447038/4
Matrix: Water
Analysis Batch: 447038

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/21/18 20:21	1

Lab Sample ID: LCS 480-447038/29
Matrix: Water
Analysis Batch: 447038

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.50	1.53		mg/L		102	90 - 110

Lab Sample ID: LCS 480-447038/5
Matrix: Water
Analysis Batch: 447038

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.50	1.44		mg/L		96	90 - 110

QC Association Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

GC/MS VOA

Analysis Batch: 447744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-447744/9	Method Blank	Total/NA	Water	8260C	
LCS 480-447744/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-447744/7	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 447746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	8260C	
480-145646-2	MW-4D	Total/NA	Water	8260C	
MB 480-447746/9	Method Blank	Total/NA	Water	8260C	
LCS 480-447746/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 447806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-2 - DL	MW-4D	Total/NA	Water	8260C	
MB 480-447806/8	Method Blank	Total/NA	Water	8260C	
LCS 480-447806/5	Lab Control Sample	Total/NA	Water	8260C	
480-145646-2 MS	MW-4D	Total/NA	Water	8260C	
480-145646-2 MSD	MW-4D	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 447175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	3510C	
480-145646-2	MW-4D	Total/NA	Water	3510C	
MB 480-447175/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-447175/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-447175/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 448133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-447175/1-A	Method Blank	Total/NA	Water	8270D	447175
LCS 480-447175/2-A	Lab Control Sample	Total/NA	Water	8270D	447175
LCSD 480-447175/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	447175

Analysis Batch: 448401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	8270D	447175
480-145646-2	MW-4D	Total/NA	Water	8270D	447175

GC VOA

Analysis Batch: 447105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	8015D	
480-145646-2	MW-4D	Total/NA	Water	8015D	
MB 480-447105/3	Method Blank	Total/NA	Water	8015D	
LCS 480-447105/4	Lab Control Sample	Total/NA	Water	8015D	
LCSD 480-447105/5	Lab Control Sample Dup	Total/NA	Water	8015D	

QC Association Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

GC Semi VOA

Prep Batch: 447168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	3510C	
480-145646-2	MW-4D	Total/NA	Water	3510C	
MB 480-447168/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-447168/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-447168/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 447517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	8015D	447168
480-145646-2	MW-4D	Total/NA	Water	8015D	447168
MB 480-447168/1-A	Method Blank	Total/NA	Water	8015D	447168
LCS 480-447168/2-A	Lab Control Sample	Total/NA	Water	8015D	447168
LCSD 480-447168/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	447168

Metals

Filtration Batch: 448471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Dissolved	Water	FILTRATION	
480-145646-2	MW-4D	Dissolved	Water	FILTRATION	
MB 480-448471/1-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	

Prep Batch: 448685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Dissolved	Water	3005A	448471
480-145646-2	MW-4D	Dissolved	Water	3005A	448471
MB 480-448471/1-B	Method Blank	Dissolved	Water	3005A	448471
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	3005A	448471

Analysis Batch: 448994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Dissolved	Water	6010C	448685
480-145646-2	MW-4D	Dissolved	Water	6010C	448685
MB 480-448471/1-B	Method Blank	Dissolved	Water	6010C	448685
LCS 480-448471/2-B	Lab Control Sample	Dissolved	Water	6010C	448685

General Chemistry

Analysis Batch: 447038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	353.2	
480-145646-2	MW-4D	Total/NA	Water	353.2	
MB 480-447038/28	Method Blank	Total/NA	Water	353.2	
MB 480-447038/4	Method Blank	Total/NA	Water	353.2	
LCS 480-447038/29	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-447038/5	Lab Control Sample	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 447040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	353.2	
480-145646-2	MW-4D	Total/NA	Water	353.2	

Analysis Batch: 447041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	353.2	
480-145646-2	MW-4D	Total/NA	Water	353.2	

Analysis Batch: 449176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145646-1	MW-4S	Total/NA	Water	300.0	
480-145646-2	MW-4D	Total/NA	Water	300.0	
MB 480-449176/4	Method Blank	Total/NA	Water	300.0	
LCS 480-449176/3	Lab Control Sample	Total/NA	Water	300.0	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Client Sample ID: MW-4S

Date Collected: 11/21/18 10:00
Date Received: 11/21/18 13:30

Lab Sample ID: 480-145646-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	447746	11/28/18 04:27	KMN	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		100	448401	11/30/18 20:06	PJQ	TAL BUF
Total/NA	Analysis	8015D		10	447105	11/23/18 22:42	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		50	447517	11/27/18 18:10	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 13:22	LMH	TAL BUF
Total/NA	Analysis	300.0		5	449176	12/05/18 15:50	CLA	TAL BUF
Total/NA	Analysis	353.2		1	447038	11/21/18 20:38	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447040	11/21/18 20:38	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 20:38	DCB	TAL BUF

Client Sample ID: MW-4D

Date Collected: 11/21/18 09:45
Date Received: 11/21/18 13:30

Lab Sample ID: 480-145646-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447746	11/28/18 04:51	KMN	TAL BUF
Total/NA	Analysis	8260C	DL	4	447806	11/28/18 12:39	AEM	TAL BUF
Total/NA	Prep	3510C			447175	11/23/18 14:50	ATG	TAL BUF
Total/NA	Analysis	8270D		200	448401	11/30/18 20:35	PJQ	TAL BUF
Total/NA	Analysis	8015D		10	447105	11/23/18 23:17	JLS	TAL BUF
Total/NA	Prep	3510C			447168	11/23/18 14:21	AAP	TAL BUF
Total/NA	Analysis	8015D		50	447517	11/27/18 18:46	MAN	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448685	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	448994	12/04/18 13:26	LMH	TAL BUF
Total/NA	Analysis	300.0		5	449176	12/05/18 16:22	CLA	TAL BUF
Total/NA	Analysis	353.2		1	447038	11/21/18 20:39	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447040	11/21/18 20:39	DCB	TAL BUF
Total/NA	Analysis	353.2		1	447041	11/21/18 20:39	DCB	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: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

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	03-31-19

Method Summary

Client: New York State D.E.C.
Project/Site: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL BUF
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

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: 683 Rte 394 Kennedy #1611473 PIN 07729

TestAmerica Job ID: 480-145646-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-145646-1	MW-4S	Water	11/21/18 10:00	11/21/18 13:30
480-145646-2	MW-4D	Water	11/21/18 09:45	11/21/18 13:30

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

NYSDEC Kennedy, Spill Number 1611473

480-145646 COC

PAGE 1 OF 1

FED-EX Tracking #

Bottle Order Control #

Lab Quote #

Lab Job # 6466

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 495 Aero Drive, Cheektowaga, NY 14225 **Project Manager:** Eric D. Popken **Phone #:** 800-287-7857 **Email:** epopken@gesonline.com **Fax #:** 866-902-2187	**Project Name:** NYSDEC/Kennedy/NY/StateRte394/683 **Project Address:** 683 Route 394, Kennedy, NY **Project PSID #:** 743737	**NYSDEC Region 8** **NYSDEC Project Manager:** Francine Gallego **Phone #:** 716-851-7200 **Invoice Instructions** **NYSDEC Spill No.** 1611473 **Lab Project Manager:** Orlette Johnson

Sampler(s) Name:

Sampler(s) Name:

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	Methanol	ENCORE	Amber	CP-51 VOCs via Method 8260	CP-51 SVOCs via Method 8270	Sulfate	Nitrate-Nitrogen	Dissolved Iron	TPH-GRO	TPH-DRO		LAB USE ONLY
	~~MW-1D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-2S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-2D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-3D~~	NA				GW											X	X	X	X	X	X	X		
	MW-4S	NA	11-21-16	1000	PC	GW	13	6									X	X	X	X	X	X	X		
	MW-4D	NA	11-21-16	0945	PC	GW	13	6									X	X	X	X	X	X	X		
	~~MW-5S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-5D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-6S~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-6D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-7D~~	NA				GW											X	X	X	X	X	X	X		
	~~MW-8S~~	NA				GW											X	X	X	X	X	X	X		

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

- ☐ Standard
- ☐ 1 day RUSH
- ☑ Other ~~14 day TA~~

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Orlette Johnson 484-685-0864
Lab PM Email: orlette.johnson@testamericainc.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☑ EQEDD (for GES)
- ☑ NYDEC EDD (for NYSDEC)

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

EQEDD Name: NYSDEC/Kennedy/NY/StateRte394/683_LabReport#.30006.EQEDD.zip

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

	Relinquished By Sampler:	Date / Time:	Received By:
1		11-21-16 1930	11/21/16 1330
2	Relinquished By:	Date / Time:	Received By:
3	Relinquished By:	Date / Time:	Received By:

Custody Seal Number: ☐ Intact ☐ Not Intact ☒ Preserved where applicable ☒ On Ice Cooler Temp 3.5 #1

12/7/2018

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-145646-1

Login Number: 145646

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

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	E & E
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	

Appendix B – DUSR

Data Validation Qualifier Code Glossary

J - The positive result reported for this analyte is a quantitative estimate.

J+ - The positive result reported for this analyte is a quantitative estimate, but may be biased high.

J- - The positive result reported for this analyte is a quantitative estimate, but may be biased low.

B - The compound/analyte was not detected substantially above the level of the associated method blank/preparation or field blank.

U - This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.

UJ - This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.

NJ - This analyte has been "tentatively" identified. The numeric value represents its approximate concentration.

Y - This analyte coelutes with another target compound on the two chromatographic columns used for analysis.

R - The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this compound/analyte in the sample.

Other Codes:

ND - There were no positive results for this analytical fraction.

NA - This parameter is not applicable to this sample.

NR - This analysis parameter was not required for this sample.

Project: NYSDEC, 25 W. Lake Road, Mayville, New York
Groundwater Sampling
Laboratory: Test America
Job No: 480-144297-1
Fraction: Organic
Matrix: Groundwater
Report Date: 12/21/2018

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

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

The sample was analyzed for volatile organic compounds, 1, 4-dioxane and per- and polyfluoroalkyl substances (PFAS). The sample analyses were performed in accordance with the procedures referenced at the end of this report.

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

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

X - Denotes parameter evaluated.

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

Report Approved By:

Shawne M. Rodgers
President

December 21, 2018

1.0 DATA COMPLETENESS

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

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

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

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

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

All criteria were met. No qualifiers were applied.

6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS

The following compounds were detected in associated volatile laboratory method and/or field blanks.

Blank	Compound	Concentration (µg/L)	**Associated Samples**
TB (Trip Blank)	cis-1,2-Dichloroethene	0.86 J	All Samples

The blank results were less than the RL. Positive cis-1, 2-dichloroethene results were greater than the blank qualification level. Qualification **was** unnecessary.

The following compounds were detected in associated laboratory method blanks.

Blank	Compound	Concentration (ng/L)	Associated Samples
MB 320-257492/1-A (Laboratory Method Blank)	PFHxS	0.285 J	All Samples

The following positive results are qualitatively invalid due to the presence of the compounds in the associated blanks. USEPA protocol requires positive results for uncommon contaminants, such as PFAS, that are less than or equal to the associated blank contamination RL to be considered qualitatively invalid. The results for the sample are less than the RL. The results have been replaced with the RL and marked "U".

Compound	Samples With Qualified Results
PFHxS	DUP, EW-10, GMW-2, GPW-20, GPW-5, GPW-6

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

7.0 SURROGATE COMPOUNDS

All criteria were met. No qualifiers were applied.

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

Table 2 summarizes the volatile matrix spike/matrix spike duplicate (MS/MSD) results that did not meet the indicated quality control (QC) limits in the MS/MSD analysis of sample GMW-2. The unacceptable results indicate the presence of interferences for parent sample GMW-2. Qualifying actions are indicated.

9.0 FIELD DUPLICATE RESULTS

Duplicate samples EW-10 and DUP were submitted to the laboratory to evaluate sampling and analytical precision for those organic compounds determined to be present. Results for these duplicate samples are presented in Table 3. The method field duplicate criterion was met for all compounds.

10.0 LABORATORY FORTIFIED BLANK RESULTS

All criteria were met. No qualifiers were applied.

11.0 INTERNAL STANDARD PERFORMANCE

All criteria were met. No qualifiers were applied.

13.0 QUALITATIVE IDENTIFICATION

All criteria were met. No qualifiers were applied.

14.0 QUANTITATION/REPORTING LIMITS

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

Sample	Dilution Factor
EW-16	1000
EW-14	400
EW-10	200
GPW-5	100
DUP	200

The following samples were analyzed at dilutions for 1, 4-dioxane. The dilution analyses were performed because of the suspected presence of high levels of target compounds and/or interferences. RLs are elevated by the dilution factor for the samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for the samples.

Sample	Dilution Factor
EW-10	5.0

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

Sample	Dilution Factor	Results Exceeding the Linear Range
EW-16	2000	cis-1,2-Dichloroethene
EW-14	400	cis-1,2-Dichloroethene, Vinyl Chloride

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

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
1,4-Dioxane by Select Ion Monitoring Gas Chromatography/Mass Spectrometry	Method 8270D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013
Per- and Polyfluoroalkyl Substances (PFAS)	Method 537, "Determination of Selected Perfluorinated Alkyl Acids in Drinking Water By Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)", version 1.1, September 2009

Table 1 Data Usability Summary Report
NYSDEC, 25 W. Lake Road
Mayville, New York
Groundwater Sampling
Test America Job ID 480-144297-1

Sample ID	Lab ID	Collection Date	Matrix	VOC	1,4-DIOX	PFAS
GPW-13	480-144297-1	10/24/2018	Water	X		
EW-16	480-144297-2	10/25/2018	Water	X		
EW-14	480-144297-3	10/26/2018	Water	X		
TB	480-144297-4	10/26/2018	Water	X	X	X
GPW-20	480-144297-5	10/24/2018	Water	X	X	X
GMW-2	480-144297-6	10/24/2018	Water	X	X	X
EW-10	480-144297-7	10/25/2018	Water	X	X	X
SB-19	480-144297-8	10/25/2018	Water	X	X	X
GPW-6	480-144297-9	10/25/2018	Water	X	X	X
GPW-5	480-144297-10	10/25/2018	Water	X	X	X
DUP	480-144297-11	10/25/2018	Water	X	X	X

Table 2 **Volatile Matrix Spike/Matrix Spike Duplicate Analyses Results**
Groundwater Sample GMW-2

Compound	MS %REC	MSD %REC	QC Limits	RPD	QC Limits	Qualifying Action
1,1,1-Trichloroethane	140	137	73-16		15	The parent sample result is nondetect. Qualification is unnecessary.
1,1,2-Trichlorotrifluoroethane	154	137	61-148		20	The parent sample result is nondetect. Qualification is unnecessary.
1,1-Dichloroethane	122	122	77-120		20	The parent sample result is nondetect. Qualification is unnecessary.
1,1-Dichloroethene	138	136	66-127		16	The parent sample result is nondetect. Qualification is unnecessary.
1,2-Dichloroethane	122	121	75-120		20	The parent sample result is nondetect. Qualification is unnecessary.
Bromodichloromethane		124	80-122		15	The parent sample result is nondetect. Qualification is unnecessary.
Carbon tetrachloride	146	146	72-134		15	The parent sample result is nondetect. Qualification is unnecessary.
Isopropylbenzene (Cumene)		125	77-122		20	The parent sample result is nondetect. Qualification is unnecessary.
Tetrachloroethene	129	127	74-122		20	The parent sample result is nondetect. Qualification is unnecessary.

Table 3 **Field Duplicate Sample Results for Organic Analyses**
Groundwater Duplicate Samples EW-10 and DUP

Analyte	Sample Result (µg/L)		Field Duplicate Result (µg/L)		RPD	ACTION
	EW-10		DUP			
Chloroform						
cis-1,2-Dichloroethene	6900		12000		54	
Vinyl Chloride	7100		7800		9	
1,4-Dioxane	ND		0.49		NC	
PFAS, ng/L						
Perfluorobutanoic acid (PFBA)	3.2		5.6		55	
Perfluoropentanoic acid (PFPeA)	0.92	J	2.6		95	
Perfluorohexanoic acid (PFHxA)	1.6	J	2.0		22	
Perfluoroheptanoic Acid (PFHpA)	1.3	J	1.1	J	17	
Perfluorooctanoic acid (PFOA)	3.3		3.2		3	
Perfluorononanoic acid (PFNA)	1.3	J	1.3	J	0	
Perfluorodecanoic acid (PFDA)	2.1		2.0		5	
Perfluoroundecanoic acid (PFUnA)	ND		1.2	J	NC	
Perfluorododecanoic acid (PFDoA)	ND		0.50	J	NC	
Perfluorotetradecanoic acid (PFTeA)	ND		0.43	J	NC	
Perfluorobutanesulfonic acid (PFBS)	1.6	J	1.0	J	46	
Perfluorooctanesulfonic acid (PFOS)	5.6		6.0		7	
Perfluorooctanesulfonamide (FOSA)	0.33	J	0.35	J	6	

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-13
Date Collected: 10/24/18 15:45
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-1
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		1.0	0.82	ug/L			11/04/18 15:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/04/18 15:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/04/18 15:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/04/18 15:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/04/18 15:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/04/18 15:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/04/18 15:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/04/18 15:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/04/18 15:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/04/18 15:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/04/18 15:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/04/18 15:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/04/18 15:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/04/18 15:41	1
2-Hexanone	ND		5.0	1.2	ug/L			11/04/18 15:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/04/18 15:41	1
Acetone	**22**		10	3.0	ug/L			11/04/18 15:41	1
Benzene	ND		1.0	0.41	ug/L			11/04/18 15:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/04/18 15:41	1
Bromoform	ND		1.0	0.26	ug/L			11/04/18 15:41	1
Bromomethane	ND		1.0	0.69	ug/L			11/04/18 15:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/04/18 15:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/04/18 15:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/04/18 15:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/04/18 15:41	1
Chloroethane	ND		1.0	0.32	ug/L			11/04/18 15:41	1
Chloroform	ND		1.0	0.34	ug/L			11/04/18 15:41	1
Chloromethane	ND		1.0	0.35	ug/L			11/04/18 15:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/04/18 15:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/04/18 15:41	1
Cyclohexane	ND		1.0	0.18	ug/L			11/04/18 15:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/04/18 15:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/04/18 15:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/04/18 15:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/04/18 15:41	1
Methyl acetate	ND		2.5	1.3	ug/L			11/04/18 15:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/04/18 15:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/04/18 15:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/04/18 15:41	1
Styrene	ND		1.0	0.73	ug/L			11/04/18 15:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/04/18 15:41	1
Toluene	ND		1.0	0.51	ug/L			11/04/18 15:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/04/18 15:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/04/18 15:41	1
Trichloroethene	**0.67**	**J**	1.0	0.46	ug/L			11/04/18 15:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/04/18 15:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/04/18 15:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/04/18 15:41	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-13
Date Collected: 10/24/18 15:45
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		11/04/18 15:41	1
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		11/04/18 15:41	1
4-Bromofluorobenzene (Surr)	103		73 - 120		11/04/18 15:41	1
Dibromofluoromethane (Surr)	103		75 - 123		11/04/18 15:41	1

12/12/2018

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-16
Date Collected: 10/25/18 15:45
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-2
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		1000	820	ug/L			11/06/18 02:55	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			11/06/18 02:55	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			11/06/18 02:55	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			11/06/18 02:55	1000
1,1-Dichloroethane	ND		1000	380	ug/L			11/06/18 02:55	1000
1,1-Dichloroethene	**370**	**J**	1000	290	ug/L			11/06/18 02:55	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			11/06/18 02:55	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			11/06/18 02:55	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			11/06/18 02:55	1000
1,2-Dichloroethane	ND		1000	210	ug/L			11/06/18 02:55	1000
1,2-Dichloropropane	ND		1000	720	ug/L			11/06/18 02:55	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			11/06/18 02:55	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			11/06/18 02:55	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			11/06/18 02:55	1000
2-Hexanone	ND		5000	1200	ug/L			11/06/18 02:55	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			11/06/18 02:55	1000
Acetone	ND		10000	3000	ug/L			11/06/18 02:55	1000
Benzene	ND		1000	410	ug/L			11/06/18 02:55	1000
Bromodichloromethane	ND		1000	390	ug/L			11/06/18 02:55	1000
Bromoform	ND		1000	260	ug/L			11/06/18 02:55	1000
Bromomethane	ND		1000	690	ug/L			11/06/18 02:55	1000
Carbon disulfide	ND		1000	190	ug/L			11/06/18 02:55	1000
Carbon tetrachloride	ND		1000	270	ug/L			11/06/18 02:55	1000
Chlorobenzene	ND		1000	750	ug/L			11/06/18 02:55	1000
Dibromochloromethane	ND		1000	320	ug/L			11/06/18 02:55	1000
Chloroethane	ND		1000	320	ug/L			11/06/18 02:55	1000
Chloroform	ND		1000	340	ug/L			11/06/18 02:55	1000
Chloromethane	ND		1000	350	ug/L			11/06/18 02:55	1000
cis-1,2-Dichloroethene	~~130000~~	~~E~~	1000	810	ug/L			11/06/18 02:55	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			11/06/18 02:55	1000
Cyclohexane	ND		1000	180	ug/L			11/06/18 02:55	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			11/06/18 02:55	1000
Ethylbenzene	ND		1000	740	ug/L			11/06/18 02:55	1000
1,2-Dibromoethane	ND		1000	730	ug/L			11/06/18 02:55	1000
Isopropylbenzene	ND		1000	790	ug/L			11/06/18 02:55	1000
Methyl acetate	ND		2500	1300	ug/L			11/06/18 02:55	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			11/06/18 02:55	1000
Methylcyclohexane	ND		1000	160	ug/L			11/06/18 02:55	1000
Methylene Chloride	ND		1000	440	ug/L			11/06/18 02:55	1000
Styrene	ND		1000	730	ug/L			11/06/18 02:55	1000
Tetrachloroethene	ND		1000	360	ug/L			11/06/18 02:55	1000
Toluene	ND		1000	510	ug/L			11/06/18 02:55	1000
trans-1,2-Dichloroethene	**1200**		1000	900	ug/L			11/06/18 02:55	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			11/06/18 02:55	1000
Trichloroethene	**58000**		1000	460	ug/L			11/06/18 02:55	1000
Trichlorofluoromethane	ND		1000	880	ug/L			11/06/18 02:55	1000
Vinyl chloride	**8100**		1000	900	ug/L			11/06/18 02:55	1000
Xylenes, Total	ND		2000	660	ug/L			11/06/18 02:55	1000

A Report from dilution

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-16
Date Collected: 10/25/18 15:45
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/06/18 02:55*	*1000*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*11/06/18 02:55*	*1000*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/06/18 02:55*	*1000*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/06/18 02:55*	*1000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	1600	ug/L			11/06/18 12:26	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			11/06/18 12:26	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			11/06/18 12:26	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			11/06/18 12:26	2000
1,1-Dichloroethane	ND		2000	760	ug/L			11/06/18 12:26	2000
1,1-Dichloroethene	ND		2000	580	ug/L			11/06/18 12:26	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			11/06/18 12:26	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			11/06/18 12:26	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			11/06/18 12:26	2000
1,2-Dichloroethane	ND		2000	420	ug/L			11/06/18 12:26	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			11/06/18 12:26	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			11/06/18 12:26	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			11/06/18 12:26	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			11/06/18 12:26	2000
2-Hexanone	ND		10000	2500	ug/L			11/06/18 12:26	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			11/06/18 12:26	2000
Acetone	ND		20000	6000	ug/L			11/06/18 12:26	2000
Benzene	ND		2000	820	ug/L			11/06/18 12:26	2000
Bromodichloromethane	ND		2000	780	ug/L			11/06/18 12:26	2000
Bromoform	ND		2000	520	ug/L			11/06/18 12:26	2000
Bromomethane	ND		2000	1400	ug/L			11/06/18 12:26	2000
Carbon disulfide	ND		2000	380	ug/L			11/06/18 12:26	2000
Carbon tetrachloride	ND		2000	540	ug/L			11/06/18 12:26	2000
Chlorobenzene	ND		2000	1500	ug/L			11/06/18 12:26	2000
Dibromochloromethane	ND		2000	640	ug/L			11/06/18 12:26	2000
Chloroethane	ND		2000	640	ug/L			11/06/18 12:26	2000
Chloroform	ND		2000	680	ug/L			11/06/18 12:26	2000
Chloromethane	ND		2000	700	ug/L			11/06/18 12:26	2000
cis-1,2-Dichloroethene	**150000**		2000	1600	ug/L			11/06/18 12:26	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			11/06/18 12:26	2000
Cyclohexane	ND		2000	360	ug/L			11/06/18 12:26	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			11/06/18 12:26	2000
Ethylbenzene	ND		2000	1500	ug/L			11/06/18 12:26	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			11/06/18 12:26	2000
Isopropylbenzene	ND		2000	1600	ug/L			11/06/18 12:26	2000
Methyl acetate	ND		5000	2600	ug/L			11/06/18 12:26	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			11/06/18 12:26	2000
Methylcyclohexane	ND		2000	320	ug/L			11/06/18 12:26	2000
Methylene Chloride	ND		2000	880	ug/L			11/06/18 12:26	2000
Styrene	ND		2000	1500	ug/L			11/06/18 12:26	2000
Tetrachloroethene	ND		2000	720	ug/L			11/06/18 12:26	2000
Toluene	ND		2000	1000	ug/L			11/06/18 12:26	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			11/06/18 12:26	2000

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-16
Date Collected: 10/25/18 15:45
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2000	740	ug/L			11/06/18 12:26	2000
Trichloroethene	**62000**		2000	920	ug/L			11/06/18 12:26	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			11/06/18 12:26	2000
Vinyl chloride	**9400**		2000	1800	ug/L			11/06/18 12:26	2000
Xylenes, Total	ND		4000	1300	ug/L			11/06/18 12:26	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/06/18 12:26*	*2000*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*11/06/18 12:26*	*2000*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/06/18 12:26*	*2000*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/06/18 12:26*	*2000*

AA Report

SMK 12/21/2018

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-14
Date Collected: 10/26/18 09:45
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-3
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		400	330	ug/L			11/06/18 03:23	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			11/06/18 03:23	400
1,1,2-Trichloroethane	ND		400	92	ug/L			11/06/18 03:23	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	120	ug/L			11/06/18 03:23	400
1,1-Dichloroethane	ND		400	150	ug/L			11/06/18 03:23	400
1,1-Dichloroethene	**220**	**J**	400	120	ug/L			11/06/18 03:23	400
1,2,4-Trichlorobenzene	ND		400	160	ug/L			11/06/18 03:23	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			11/06/18 03:23	400
1,2-Dichlorobenzene	ND		400	320	ug/L			11/06/18 03:23	400
1,2-Dichloroethane	ND		400	84	ug/L			11/06/18 03:23	400
1,2-Dichloropropane	ND		400	290	ug/L			11/06/18 03:23	400
1,3-Dichlorobenzene	ND		400	310	ug/L			11/06/18 03:23	400
1,4-Dichlorobenzene	ND		400	340	ug/L			11/06/18 03:23	400
2-Butanone (MEK)	ND		4000	530	ug/L			11/06/18 03:23	400
2-Hexanone	ND		2000	500	ug/L			11/06/18 03:23	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			11/06/18 03:23	400
Acetone	ND		4000	1200	ug/L			11/06/18 03:23	400
Benzene	ND		400	160	ug/L			11/06/18 03:23	400
Bromodichloromethane	ND		400	160	ug/L			11/06/18 03:23	400
Bromoform	ND		400	100	ug/L			11/06/18 03:23	400
Bromomethane	ND		400	280	ug/L			11/06/18 03:23	400
Carbon disulfide	ND		400	76	ug/L			11/06/18 03:23	400
Carbon tetrachloride	ND		400	110	ug/L			11/06/18 03:23	400
Chlorobenzene	ND		400	300	ug/L			11/06/18 03:23	400
Dibromochloromethane	ND		400	130	ug/L			11/06/18 03:23	400
Chloroethane	ND		400	130	ug/L			11/06/18 03:23	400
Chloroform	ND		400	140	ug/L			11/06/18 03:23	400
Chloromethane	ND		400	140	ug/L			11/06/18 03:23	400
cis-1,2-Dichloroethene	~~120000~~	~~E~~	400	320	ug/L			11/06/18 03:23	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			11/06/18 03:23	400
Cyclohexane	ND		400	72	ug/L			11/06/18 03:23	400
Dichlorodifluoromethane	ND		400	270	ug/L			11/06/18 03:23	400
Ethylbenzene	ND		400	300	ug/L			11/06/18 03:23	400
1,2-Dibromoethane	ND		400	290	ug/L			11/06/18 03:23	400
Isopropylbenzene	ND		400	320	ug/L			11/06/18 03:23	400
Methyl acetate	ND		1000	520	ug/L			11/06/18 03:23	400
Methyl tert-butyl ether	ND		400	64	ug/L			11/06/18 03:23	400
Methylcyclohexane	ND		400	64	ug/L			11/06/18 03:23	400
Methylene Chloride	ND		400	180	ug/L			11/06/18 03:23	400
Styrene	ND		400	290	ug/L			11/06/18 03:23	400
Tetrachloroethene	ND		400	140	ug/L			11/06/18 03:23	400
Toluene	ND		400	200	ug/L			11/06/18 03:23	400
trans-1,2-Dichloroethene	**450**		400	360	ug/L			11/06/18 03:23	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			11/06/18 03:23	400
Trichloroethene	**410**		400	180	ug/L			11/06/18 03:23	400
Trichlorofluoromethane	ND		400	350	ug/L			11/06/18 03:23	400
Vinyl chloride	~~41000~~	~~E~~	400	360	ug/L			11/06/18 03:23	400
Xylenes, Total	ND		800	260	ug/L			11/06/18 03:23	400

☆ Report from dilution

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-14
Date Collected: 10/26/18 09:45
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*93*		*80 - 120*		*11/06/18 03:23*	*400*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*11/06/18 03:23*	*400*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/06/18 03:23*	*400*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/06/18 03:23*	*400*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	1600	ug/L			11/06/18 12:54	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			11/06/18 12:54	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			11/06/18 12:54	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			11/06/18 12:54	2000
1,1-Dichloroethane	ND		2000	760	ug/L			11/06/18 12:54	2000
1,1-Dichloroethene	ND		2000	580	ug/L			11/06/18 12:54	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			11/06/18 12:54	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			11/06/18 12:54	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			11/06/18 12:54	2000
1,2-Dichloroethane	ND		2000	420	ug/L			11/06/18 12:54	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			11/06/18 12:54	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			11/06/18 12:54	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			11/06/18 12:54	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			11/06/18 12:54	2000
2-Hexanone	ND		10000	2500	ug/L			11/06/18 12:54	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			11/06/18 12:54	2000
Acetone	ND		20000	6000	ug/L			11/06/18 12:54	2000
Benzene	ND		2000	820	ug/L			11/06/18 12:54	2000
Bromodichloromethane	ND		2000	780	ug/L			11/06/18 12:54	2000
Bromoform	ND		2000	520	ug/L			11/06/18 12:54	2000
Bromomethane	ND		2000	1400	ug/L			11/06/18 12:54	2000
Carbon disulfide	ND		2000	380	ug/L			11/06/18 12:54	2000
Carbon tetrachloride	ND		2000	540	ug/L			11/06/18 12:54	2000
Chlorobenzene	ND		2000	1500	ug/L			11/06/18 12:54	2000
Dibromochloromethane	ND		2000	640	ug/L			11/06/18 12:54	2000
Chloroethane	ND		2000	640	ug/L			11/06/18 12:54	2000
Chloroform	ND		2000	680	ug/L			11/06/18 12:54	2000
Chloromethane	ND		2000	700	ug/L			11/06/18 12:54	2000
cis-1,2-Dichloroethene	**170000**		2000	1600	ug/L			11/06/18 12:54	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			11/06/18 12:54	2000
Cyclohexane	ND		2000	360	ug/L			11/06/18 12:54	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			11/06/18 12:54	2000
Ethylbenzene	ND		2000	1500	ug/L			11/06/18 12:54	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			11/06/18 12:54	2000
Isopropylbenzene	ND		2000	1600	ug/L			11/06/18 12:54	2000
Methyl acetate	ND		5000	2600	ug/L			11/06/18 12:54	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			11/06/18 12:54	2000
Methylcyclohexane	ND		2000	320	ug/L			11/06/18 12:54	2000
Methylene Chloride	ND		2000	880	ug/L			11/06/18 12:54	2000
Styrene	ND		2000	1500	ug/L			11/06/18 12:54	2000
Tetrachloroethene	ND		2000	720	ug/L			11/06/18 12:54	2000
Toluene	ND		2000	1000	ug/L			11/06/18 12:54	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			11/06/18 12:54	2000

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-14
Date Collected: 10/26/18 09:45
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2000	740	ug/L			11/06/18 12:54	2000
Trichloroethene	ND		2000	920	ug/L			11/06/18 12:54	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			11/06/18 12:54	2000
Vinyl chloride	**51000**		2000	1800	ug/L			11/06/18 12:54	2000
Xylenes, Total	ND		4000	1300	ug/L			11/06/18 12:54	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/06/18 12:54*	*2000*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*11/06/18 12:54*	*2000*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/06/18 12:54*	*2000*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/06/18 12:54*	*2000*

Report

SMR 12/21/2018

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: TB
Date Collected: 10/26/18 00:00
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-4
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		1.0	0.82	ug/L			11/06/18 03:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/06/18 03:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/06/18 03:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/06/18 03:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/06/18 03:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/06/18 03:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/06/18 03:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/06/18 03:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/06/18 03:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/06/18 03:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/06/18 03:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/06/18 03:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/06/18 03:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/06/18 03:51	1
2-Hexanone	ND		5.0	1.2	ug/L			11/06/18 03:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/06/18 03:51	1
Acetone	ND		10	3.0	ug/L			11/06/18 03:51	1
Benzene	ND		1.0	0.41	ug/L			11/06/18 03:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/06/18 03:51	1
Bromoform	ND		1.0	0.26	ug/L			11/06/18 03:51	1
Bromomethane	ND		1.0	0.69	ug/L			11/06/18 03:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/06/18 03:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/06/18 03:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/06/18 03:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/06/18 03:51	1
Chloroethane	ND		1.0	0.32	ug/L			11/06/18 03:51	1
Chloroform	ND		1.0	0.34	ug/L			11/06/18 03:51	1
Chloromethane	ND		1.0	0.35	ug/L			11/06/18 03:51	1
cis-1,2-Dichloroethene	**0.86**	**J**	1.0	0.81	ug/L			11/06/18 03:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/06/18 03:51	1
Cyclohexane	ND		1.0	0.18	ug/L			11/06/18 03:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/06/18 03:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/06/18 03:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/06/18 03:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/06/18 03:51	1
Methyl acetate	ND		2.5	1.3	ug/L			11/06/18 03:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/06/18 03:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/06/18 03:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/06/18 03:51	1
Styrene	ND		1.0	0.73	ug/L			11/06/18 03:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/06/18 03:51	1
Toluene	ND		1.0	0.51	ug/L			11/06/18 03:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/06/18 03:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/06/18 03:51	1
Trichloroethene	ND		1.0	0.46	ug/L			11/06/18 03:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/06/18 03:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/06/18 03:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/06/18 03:51	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: TB
Date Collected: 10/26/18 00:00
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		11/06/18 03:51	1
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		11/06/18 03:51	1
4-Bromofluorobenzene (Surr)	94		73 - 120		11/06/18 03:51	1
Dibromofluoromethane (Surr)	95		75 - 123		11/06/18 03:51	1

smk 12/12/2018

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-20
Date Collected: 10/24/18 10:35
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-5
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		1.0	0.82	ug/L			11/04/18 16:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/04/18 16:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/04/18 16:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			11/04/18 16:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/04/18 16:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/04/18 16:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/04/18 16:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/04/18 16:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/04/18 16:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/04/18 16:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/04/18 16:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/04/18 16:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/04/18 16:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/04/18 16:05	1
2-Hexanone	ND		5.0	1.2	ug/L			11/04/18 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/04/18 16:05	1
Acetone	**5.7**	**J**	10	3.0	ug/L			11/04/18 16:05	1
Benzene	ND		1.0	0.41	ug/L			11/04/18 16:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/04/18 16:05	1
Bromoform	ND		1.0	0.26	ug/L			11/04/18 16:05	1
Bromomethane	ND		1.0	0.69	ug/L			11/04/18 16:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/04/18 16:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/04/18 16:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/04/18 16:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/04/18 16:05	1
Chloroethane	ND		1.0	0.32	ug/L			11/04/18 16:05	1
Chloroform	ND		1.0	0.34	ug/L			11/04/18 16:05	1
Chloromethane	ND		1.0	0.35	ug/L			11/04/18 16:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/04/18 16:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/04/18 16:05	1
Cyclohexane	ND		1.0	0.18	ug/L			11/04/18 16:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/04/18 16:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/04/18 16:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/04/18 16:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/04/18 16:05	1
Methyl acetate	ND		2.5	1.3	ug/L			11/04/18 16:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/04/18 16:05	1
Methylcyclohexane	**0.25**	**J**	1.0	0.16	ug/L			11/04/18 16:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/04/18 16:05	1
Styrene	ND		1.0	0.73	ug/L			11/04/18 16:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/04/18 16:05	1
Toluene	ND		1.0	0.51	ug/L			11/04/18 16:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/04/18 16:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/04/18 16:05	1
Trichloroethene	ND		1.0	0.46	ug/L			11/04/18 16:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/04/18 16:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/04/18 16:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/04/18 16:05	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-20
Date Collected: 10/24/18 10:35
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		11/04/18 16:05	1
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		11/04/18 16:05	1
4-Bromofluorobenzene (Surr)	107		73 - 120		11/04/18 16:05	1
Dibromofluoromethane (Surr)	109		75 - 123		11/04/18 16:05	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	✓	0.20	0.10	ug/L		10/30/18 07:37	11/10/18 08:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110	10/30/18 07:37	11/10/18 08:05	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.40**	**J**	1.8	0.31	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.43	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.51	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.22	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.75	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.24	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.27	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.98	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.49	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.26	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorobutanesulfonic acid (PFBS)	**0.25**	**J** ✓	1.8	0.18	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorohexanesulfonic acid (PFHxS)	1.8 U **0.41** ~~J B~~		1.8	0.15	ng/L		11/07/18 07:22	11/09/18 08:10	MBL 1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.17	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorooctanesulfonic acid (PFOS)	**3.3**		1.8	0.48	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.28	ng/L		11/07/18 07:22	11/09/18 08:10	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8	0.31	ng/L		11/07/18 07:22	11/09/18 08:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18	2.7	ng/L		11/07/18 07:22	11/09/18 08:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18	1.7	ng/L		11/07/18 07:22	11/09/18 08:10	1
6:2 FTS	ND		18	1.8	ng/L		11/07/18 07:22	11/09/18 08:10	1
8:2 FTS	ND		18	1.8	ng/L		11/07/18 07:22	11/09/18 08:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	33		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C5-PFPeA DNU	50		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C2 PFHxA	60		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C4 PFHpA	65		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C4 PFOA	69		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C5 PFNA	66		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C2 PFDA	60		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C2 PFUnA	56		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C2 PFDoA	50		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C2 PFTeDA	49		25 - 150	11/07/18 07:22	11/09/18 08:10	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-20
Date Collected: 10/24/18 10:35
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-5
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	57		25 - 150	11/07/18 07:22	11/09/18 08:10	1
18O2 PFHxS	68		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C4 PFOS	62		25 - 150	11/07/18 07:22	11/09/18 08:10	1
13C8 FOSA	59		25 - 150	11/07/18 07:22	11/09/18 08:10	1
d3-NMeFOSAA	53		25 - 150	11/07/18 07:22	11/09/18 08:10	1
d5-NEtFOSAA	55		25 - 150	11/07/18 07:22	11/09/18 08:10	1
M2-6:2 FTS	68		25 - 150	11/07/18 07:22	11/09/18 08:10	1
M2-8:2 FTS	54		25 - 150	11/07/18 07:22	11/09/18 08:10	1

SMK 12/21/2018

Client Sample ID: GMW-2
Date Collected: 10/24/18 12:15
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-6
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	F1	1.0	0.82	ug/L			11/04/18 16:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/04/18 16:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/04/18 16:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	1.0	0.31	ug/L			11/04/18 16:28	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			11/04/18 16:28	1
1,1-Dichloroethene	ND	F1	1.0	0.29	ug/L			11/04/18 16:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/04/18 16:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/04/18 16:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/04/18 16:28	1
1,2-Dichloroethane	ND	F1	1.0	0.21	ug/L			11/04/18 16:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/04/18 16:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/04/18 16:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/04/18 16:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/04/18 16:28	1
2-Hexanone	ND		5.0	1.2	ug/L			11/04/18 16:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/04/18 16:28	1
Acetone	ND		10	3.0	ug/L			11/04/18 16:28	1
Benzene	ND		1.0	0.41	ug/L			11/04/18 16:28	1
Bromodichloromethane	ND	F1	1.0	0.39	ug/L			11/04/18 16:28	1
Bromoform	ND		1.0	0.26	ug/L			11/04/18 16:28	1
Bromomethane	ND		1.0	0.69	ug/L			11/04/18 16:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/04/18 16:28	1
Carbon tetrachloride	ND	F1	1.0	0.27	ug/L			11/04/18 16:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/04/18 16:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/04/18 16:28	1
Chloroethane	ND		1.0	0.32	ug/L			11/04/18 16:28	1
Chloroform	ND		1.0	0.34	ug/L			11/04/18 16:28	1
Chloromethane	ND		1.0	0.35	ug/L			11/04/18 16:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/04/18 16:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/04/18 16:28	1
Cyclohexane	ND		1.0	0.18	ug/L			11/04/18 16:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/04/18 16:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/04/18 16:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/04/18 16:28	1
Isopropylbenzene	ND	F1	1.0	0.79	ug/L			11/04/18 16:28	1
Methyl acetate	ND		2.5	1.3	ug/L			11/04/18 16:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/04/18 16:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/04/18 16:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/04/18 16:28	1
Styrene	ND		1.0	0.73	ug/L			11/04/18 16:28	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			11/04/18 16:28	1
Toluene	ND		1.0	0.51	ug/L			11/04/18 16:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/04/18 16:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/04/18 16:28	1
Trichloroethene	ND		1.0	0.46	ug/L			11/04/18 16:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/04/18 16:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/04/18 16:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/04/18 16:28	1

Client Sample ID: GMW-2
Date Collected: 10/24/18 12:15
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/04/18 16:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*11/04/18 16:28*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/04/18 16:28*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*11/04/18 16:28*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	✓	0.19	0.095	ug/L		10/30/18 07:37	11/10/18 02:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	*28*		*15 - 110*	*10/30/18 07:37*	*11/10/18 02:50*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.3**		1.7	0.30	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.41	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.49	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.21	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.72	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.23	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.26	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.93	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.46	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	1.1	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.25	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorobutanesulfonic acid (PFBS)	**0.99**	**J**	1.7	0.17	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorohexanesulfonic acid (PFHxS)	1.70 ~~**0.47**~~	~~**J B**~~	1.7	0.14	ng/L		11/07/18 07:22	11/09/18 08:18	MRL
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.16	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorooctanesulfonic acid (PFOS)	**0.58**	**J**	1.7	0.46	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.27	ng/L		11/07/18 07:22	11/09/18 08:18	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7	0.30	ng/L		11/07/18 07:22	11/09/18 08:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17	2.6	ng/L		11/07/18 07:22	11/09/18 08:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17	1.6	ng/L		11/07/18 07:22	11/09/18 08:18	1
6:2 FTS	ND		17	1.7	ng/L		11/07/18 07:22	11/09/18 08:18	1
8:2 FTS	ND		17	1.7	ng/L		11/07/18 07:22	11/09/18 08:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	*43*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C5-PFPeA DNU	*51*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C2 PFHxA	*54*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C4 PFHpA	*57*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C4 PFOA	*56*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C5 PFNA	*55*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C2 PFDA	*56*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C2 PFUnA	*43*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C2 PFDoA	*37*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*
13C2 PFTeDA	*32*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:18*	*1*

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GMW-2
Date Collected: 10/24/18 12:15
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-6
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	49		25 - 150	11/07/18 07:22	11/09/18 08:18	1
18O2 PFHxS	56		25 - 150	11/07/18 07:22	11/09/18 08:18	1
13C4 PFOS	55		25 - 150	11/07/18 07:22	11/09/18 08:18	1
13C8 FOSA	49		25 - 150	11/07/18 07:22	11/09/18 08:18	1
d3-NMeFOSAA	40		25 - 150	11/07/18 07:22	11/09/18 08:18	1
d5-NEtFOSAA	38		25 - 150	11/07/18 07:22	11/09/18 08:18	1
M2-6:2 FTS	59		25 - 150	11/07/18 07:22	11/09/18 08:18	1
M2-8:2 FTS	52		25 - 150	11/07/18 07:22	11/09/18 08:18	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-10
Date Collected: 10/25/18 11:55
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-7
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			11/06/18 04:18	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			11/06/18 04:18	200
1,1,2-Trichloroethane	ND		200	46	ug/L			11/06/18 04:18	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			11/06/18 04:18	200
1,1-Dichloroethane	ND		200	76	ug/L			11/06/18 04:18	200
1,1-Dichloroethene	ND		200	58	ug/L			11/06/18 04:18	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			11/06/18 04:18	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			11/06/18 04:18	200
1,2-Dichlorobenzene	ND		200	160	ug/L			11/06/18 04:18	200
1,2-Dichloroethane	ND		200	42	ug/L			11/06/18 04:18	200
1,2-Dichloropropane	ND		200	140	ug/L			11/06/18 04:18	200
1,3-Dichlorobenzene	ND		200	160	ug/L			11/06/18 04:18	200
1,4-Dichlorobenzene	ND		200	170	ug/L			11/06/18 04:18	200
2-Butanone (MEK)	ND		2000	260	ug/L			11/06/18 04:18	200
2-Hexanone	ND		1000	250	ug/L			11/06/18 04:18	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			11/06/18 04:18	200
Acetone	ND		2000	600	ug/L			11/06/18 04:18	200
Benzene	ND		200	82	ug/L			11/06/18 04:18	200
Bromodichloromethane	ND		200	78	ug/L			11/06/18 04:18	200
Bromoform	ND		200	52	ug/L			11/06/18 04:18	200
Bromomethane	ND		200	140	ug/L			11/06/18 04:18	200
Carbon disulfide	ND		200	38	ug/L			11/06/18 04:18	200
Carbon tetrachloride	ND		200	54	ug/L			11/06/18 04:18	200
Chlorobenzene	ND		200	150	ug/L			11/06/18 04:18	200
Dibromochloromethane	ND		200	64	ug/L			11/06/18 04:18	200
Chloroethane	ND		200	64	ug/L			11/06/18 04:18	200
Chloroform	ND		200	68	ug/L			11/06/18 04:18	200
Chloromethane	ND		200	70	ug/L			11/06/18 04:18	200
cis-1,2-Dichloroethene	**6900**		200	160	ug/L			11/06/18 04:18	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			11/06/18 04:18	200
Cyclohexane	ND		200	36	ug/L			11/06/18 04:18	200
Dichlorodifluoromethane	ND		200	140	ug/L			11/06/18 04:18	200
Ethylbenzene	ND		200	150	ug/L			11/06/18 04:18	200
1,2-Dibromoethane	ND		200	150	ug/L			11/06/18 04:18	200
Isopropylbenzene	ND		200	160	ug/L			11/06/18 04:18	200
Methyl acetate	ND		500	260	ug/L			11/06/18 04:18	200
Methyl tert-butyl ether	ND		200	32	ug/L			11/06/18 04:18	200
Methylcyclohexane	ND		200	32	ug/L			11/06/18 04:18	200
Methylene Chloride	ND		200	88	ug/L			11/06/18 04:18	200
Styrene	ND		200	150	ug/L			11/06/18 04:18	200
Tetrachloroethene	ND		200	72	ug/L			11/06/18 04:18	200
Toluene	ND		200	100	ug/L			11/06/18 04:18	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			11/06/18 04:18	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			11/06/18 04:18	200
Trichloroethene	ND		200	92	ug/L			11/06/18 04:18	200
Trichlorofluoromethane	ND		200	180	ug/L			11/06/18 04:18	200
Vinyl chloride	**7100**	✓	200	180	ug/L			11/06/18 04:18	200
Xylenes, Total	ND		400	130	ug/L			11/06/18 04:18	200

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-10
Date Collected: 10/25/18 11:55
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		11/06/18 04:18	200
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		11/06/18 04:18	200
4-Bromofluorobenzene (Surr)	97		73 - 120		11/06/18 04:18	200
Dibromofluoromethane (Surr)	90		75 - 123		11/06/18 04:18	200

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.97	0.49	ug/L		10/30/18 07:37	11/10/18 08:29	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	25		15 - 110	10/30/18 07:37	11/10/18 08:29	5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.2**		1.8	0.31	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluoropentanoic acid (PFPeA)	**0.92**	J	1.8	0.44	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorohexanoic acid (PFHxA)	**1.6**	J	1.8	0.52	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluoroheptanoic acid (PFHpA)	**1.3**	J	1.8	0.22	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorooctanoic acid (PFOA)	**3.3**		1.8	0.76	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorononanoic acid (PFNA)	**1.3**	J	1.8	0.24	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorodecanoic acid (PFDA)	**2.1**		1.8	0.28	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.99	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.49	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.26	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorobutanesulfonic acid (PFBS)	**1.6**	J	1.8	0.18	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorohexanesulfonic acid (PFHxS)	1.8 U **0.87**	~~J B~~	1.8	0.15	ng/L		11/07/18 07:22	11/09/18 08:40	MBL 1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.17	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorooctanesulfonic acid (PFOS)	**5.6**		1.8	0.48	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.29	ng/L		11/07/18 07:22	11/09/18 08:40	1
Perfluorooctanesulfonamide (FOSA)	**0.33**	J	1.8	0.31	ng/L		11/07/18 07:22	11/09/18 08:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18	2.8	ng/L		11/07/18 07:22	11/09/18 08:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18	1.7	ng/L		11/07/18 07:22	11/09/18 08:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	56		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C5-PFPeA DNU	74		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C2 PFHxA	85		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C4 PFHpA	94		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C4 PFOA	101		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C5 PFNA	109		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C2 PFDA	100		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C2 PFUnA	117		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C2 PFDoA	116		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C2 PFTeDA	100		25 - 150	11/07/18 07:22	11/09/18 08:40	1
13C3 PFBS	92		25 - 150	11/07/18 07:22	11/09/18 08:40	1
18O2 PFHxS	102		25 - 150	11/07/18 07:22	11/09/18 08:40	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: EW-10
Date Collected: 10/25/18 11:55
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-7
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*114*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:40*	*1*
13C8 FOSA	*106*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:40*	*1*
d3-NMeFOSAA	*126*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:40*	*1*
d5-NEtFOSAA	*131*		*25 - 150*	*11/07/18 07:22*	*11/09/18 08:40*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	ND		90	9.0	ng/L		11/07/18 07:22	11/14/18 02:06	5
8:2 FTS	ND		90	9.0	ng/L		11/07/18 07:22	11/14/18 02:06	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*101*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:06*	*5*
M2-8:2 FTS	*89*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:06*	*5*

SMK 12/12/2018

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: SB-19
Date Collected: 10/25/18 13:50
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-8
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		1.0	0.82	ug/L			11/06/18 04:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/06/18 04:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/06/18 04:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/06/18 04:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/06/18 04:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/06/18 04:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/06/18 04:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/06/18 04:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/06/18 04:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/06/18 04:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/06/18 04:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/06/18 04:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/06/18 04:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/06/18 04:46	1
2-Hexanone	ND		5.0	1.2	ug/L			11/06/18 04:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/06/18 04:46	1
Acetone	**3.2**	**J**	10	3.0	ug/L			11/06/18 04:46	1
Benzene	ND		1.0	0.41	ug/L			11/06/18 04:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/06/18 04:46	1
Bromoform	ND		1.0	0.26	ug/L			11/06/18 04:46	1
Bromomethane	ND		1.0	0.69	ug/L			11/06/18 04:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/06/18 04:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/06/18 04:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/06/18 04:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/06/18 04:46	1
Chloroethane	ND		1.0	0.32	ug/L			11/06/18 04:46	1
Chloroform	ND		1.0	0.34	ug/L			11/06/18 04:46	1
Chloromethane	ND		1.0	0.35	ug/L			11/06/18 04:46	1
cis-1,2-Dichloroethene	**16**		1.0	0.81	ug/L			11/06/18 04:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/06/18 04:46	1
Cyclohexane	ND		1.0	0.18	ug/L			11/06/18 04:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/06/18 04:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/06/18 04:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/06/18 04:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/06/18 04:46	1
Methyl acetate	ND		2.5	1.3	ug/L			11/06/18 04:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/06/18 04:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/06/18 04:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/06/18 04:46	1
Styrene	ND		1.0	0.73	ug/L			11/06/18 04:46	1
Tetrachloroethene	**0.37**	**J**	1.0	0.36	ug/L			11/06/18 04:46	1
Toluene	ND		1.0	0.51	ug/L			11/06/18 04:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/06/18 04:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/06/18 04:46	1
Trichloroethene	**14**		1.0	0.46	ug/L			11/06/18 04:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/06/18 04:46	1
Vinyl chloride	**1.6**		1.0	0.90	ug/L			11/06/18 04:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/06/18 04:46	1

Client Sample ID: SB-19
Date Collected: 10/25/18 13:50
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/06/18 04:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*11/06/18 04:46*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/06/18 04:46*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*11/06/18 04:46*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.096	ug/L		10/30/18 07:37	11/10/18 08:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	*30*		*15 - 110*	*10/30/18 07:37*	*11/10/18 08:53*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.73**	**J**	1.7	0.30	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluoropentanoic acid (PFPeA)	**0.94**	**J**	1.7	0.42	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorohexanoic acid (PFHxA)	**1.2**	**J**	1.7	0.50	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluoroheptanoic acid (PFHpA)	**0.60**	**J**	1.7	0.22	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorooctanoic acid (PFOA)	**2.9**		1.7	0.73	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.23	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.27	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.95	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.47	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	1.1	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.25	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorobutanesulfonic acid (PFBS)	**1.4**	**J**	1.7	0.17	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorohexanesulfonic acid (PFHxS)	**1.8**	**J**	1.7	0.15	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.16	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorooctanesulfonic acid (PFOS)	**3.6**		1.7	0.47	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.28	ng/L		11/07/18 07:22	11/14/18 02:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7	0.30	ng/L		11/07/18 07:22	11/14/18 02:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17	2.7	ng/L		11/07/18 07:22	11/14/18 02:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17	1.6	ng/L		11/07/18 07:22	11/14/18 02:13	1
6:2 FTS	ND		17	1.7	ng/L		11/07/18 07:22	11/14/18 02:13	1
8:2 FTS	ND		17	1.7	ng/L		11/07/18 07:22	11/14/18 02:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	*66*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C5-PFPeA DNU	*91*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C2 PFHxA	*97*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C4 PFHpA	*100*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C4 PFOA	*95*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C5 PFNA	*104*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C2 PFDA	*99*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C2 PFUnA	*97*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C2 PFDoA	*94*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:13*	*1*

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: SB-19
Date Collected: 10/25/18 13:50
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-8
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	91		25 - 150	11/07/18 07:22	11/14/18 02:13	1
18O2 PFHxS	96		25 - 150	11/07/18 07:22	11/14/18 02:13	1
13C4 PFOS	105		25 - 150	11/07/18 07:22	11/14/18 02:13	1
13C8 FOSA	89		25 - 150	11/07/18 07:22	11/14/18 02:13	1
d3-NMeFOSAA	95		25 - 150	11/07/18 07:22	11/14/18 02:13	1
d5-NEtFOSAA	100		25 - 150	11/07/18 07:22	11/14/18 02:13	1
M2-6:2 FTS	99		25 - 150	11/07/18 07:22	11/14/18 02:13	1
M2-8:2 FTS	88		25 - 150	11/07/18 07:22	11/14/18 02:13	1

SMK 12/21/2018

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-6
Date Collected: 10/25/18 17:25
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-9
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		1.0	0.82	ug/L			11/06/18 05:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/06/18 05:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/06/18 05:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/06/18 05:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/06/18 05:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/06/18 05:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/06/18 05:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/06/18 05:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/06/18 05:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/06/18 05:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/06/18 05:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/06/18 05:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/06/18 05:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/06/18 05:13	1
2-Hexanone	ND		5.0	1.2	ug/L			11/06/18 05:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/06/18 05:13	1
Acetone	**16**		10	3.0	ug/L			11/06/18 05:13	1
Benzene	ND		1.0	0.41	ug/L			11/06/18 05:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/06/18 05:13	1
Bromoform	ND		1.0	0.26	ug/L			11/06/18 05:13	1
Bromomethane	ND		1.0	0.69	ug/L			11/06/18 05:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/06/18 05:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/06/18 05:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/06/18 05:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/06/18 05:13	1
Chloroethane	ND		1.0	0.32	ug/L			11/06/18 05:13	1
Chloroform	ND		1.0	0.34	ug/L			11/06/18 05:13	1
Chloromethane	ND		1.0	0.35	ug/L			11/06/18 05:13	1
cis-1,2-Dichloroethene	**21**		1.0	0.81	ug/L			11/06/18 05:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/06/18 05:13	1
Cyclohexane	**0.28**	**J**	1.0	0.18	ug/L			11/06/18 05:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/06/18 05:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/06/18 05:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/06/18 05:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/06/18 05:13	1
Methyl acetate	ND		2.5	1.3	ug/L			11/06/18 05:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/06/18 05:13	1
Methylcyclohexane	**0.22**	**J**	1.0	0.16	ug/L			11/06/18 05:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/06/18 05:13	1
Styrene	ND		1.0	0.73	ug/L			11/06/18 05:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/06/18 05:13	1
Toluene	ND		1.0	0.51	ug/L			11/06/18 05:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/06/18 05:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/06/18 05:13	1
Trichloroethene	**3.9**		1.0	0.46	ug/L			11/06/18 05:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/06/18 05:13	1
Vinyl chloride	**6.0**		1.0	0.90	ug/L			11/06/18 05:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/06/18 05:13	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-6
Date Collected: 10/25/18 17:25
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		11/06/18 05:13	1
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		11/06/18 05:13	1
4-Bromofluorobenzene (Surr)	96		73 - 120		11/06/18 05:13	1
Dibromofluoromethane (Surr)	93		75 - 123		11/06/18 05:13	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L		10/30/18 07:37	11/10/18 09:17	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	54		15 - 110	10/30/18 07:37	11/10/18 09:17	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.88**	**J**	1.8	0.32	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluoropentanoic acid (PFPeA)	**0.96**	**J**	1.8	0.45	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorohexanoic acid (PFHxA)	**0.58**	**J**	1.8	0.53	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluoroheptanoic acid (PFHpA)	**0.34**	**J**	1.8	0.23	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorooctanoic acid (PFOA)	**0.79**	**J**	1.8	0.77	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.25	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.28	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	1.0	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.50	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.26	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorobutanesulfonic acid (PFBS)	**1.1**	**J**	1.8	0.18	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorohexanesulfonic acid (PFHxS)	1.8U	~~0.45 J B~~	1.8	0.15	ng/L		11/07/18 07:22	11/09/18 08:55	MRL 1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.17	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorooctanesulfonic acid (PFOS)	**1.0**	**J**	1.8	0.49	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.29	ng/L		11/07/18 07:22	11/09/18 08:55	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8	0.32	ng/L		11/07/18 07:22	11/09/18 08:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18	2.8	ng/L		11/07/18 07:22	11/09/18 08:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18	1.7	ng/L		11/07/18 07:22	11/09/18 08:55	1
6:2 FTS	ND		18	1.8	ng/L		11/07/18 07:22	11/09/18 08:55	1
8:2 FTS	ND		18	1.8	ng/L		11/07/18 07:22	11/09/18 08:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	44		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C5-PFPeA DNU	71		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C2 PFHxA	82		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C4 PFHpA	92		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C4 PFOA	98		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C5 PFNA	92		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C2 PFDA	92		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C2 PFUnA	98		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C2 PFDoA	89		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C2 PFTeDA	82		25 - 150	11/07/18 07:22	11/09/18 08:55	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-6
Date Collected: 10/25/18 17:25
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-9
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	79		25 - 150	11/07/18 07:22	11/09/18 08:55	1
18O2 PFHxS	94		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C4 PFOS	97		25 - 150	11/07/18 07:22	11/09/18 08:55	1
13C8 FOSA	102		25 - 150	11/07/18 07:22	11/09/18 08:55	1
d3-NMeFOSAA	92		25 - 150	11/07/18 07:22	11/09/18 08:55	1
d5-NEtFOSAA	100		25 - 150	11/07/18 07:22	11/09/18 08:55	1
M2-6:2 FTS	137		25 - 150	11/07/18 07:22	11/09/18 08:55	1
M2-8:2 FTS	105		25 - 150	11/07/18 07:22	11/09/18 08:55	1

SMK 12/21/2018

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-5
Date Collected: 10/25/18 18:00
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-10
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		100	82	ug/L			11/06/18 05:41	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			11/06/18 05:41	100
1,1,2-Trichloroethane	ND		100	23	ug/L			11/06/18 05:41	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			11/06/18 05:41	100
1,1-Dichloroethane	ND		100	38	ug/L			11/06/18 05:41	100
1,1-Dichloroethene	ND		100	29	ug/L			11/06/18 05:41	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			11/06/18 05:41	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			11/06/18 05:41	100
1,2-Dichlorobenzene	ND		100	79	ug/L			11/06/18 05:41	100
1,2-Dichloroethane	ND		100	21	ug/L			11/06/18 05:41	100
1,2-Dichloropropane	ND		100	72	ug/L			11/06/18 05:41	100
1,3-Dichlorobenzene	ND		100	78	ug/L			11/06/18 05:41	100
1,4-Dichlorobenzene	ND		100	84	ug/L			11/06/18 05:41	100
2-Butanone (MEK)	ND		1000	130	ug/L			11/06/18 05:41	100
2-Hexanone	ND		500	120	ug/L			11/06/18 05:41	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			11/06/18 05:41	100
Acetone	ND		1000	300	ug/L			11/06/18 05:41	100
Benzene	ND		100	41	ug/L			11/06/18 05:41	100
Bromodichloromethane	ND		100	39	ug/L			11/06/18 05:41	100
Bromoform	ND		100	26	ug/L			11/06/18 05:41	100
Bromomethane	ND		100	69	ug/L			11/06/18 05:41	100
Carbon disulfide	ND		100	19	ug/L			11/06/18 05:41	100
Carbon tetrachloride	ND		100	27	ug/L			11/06/18 05:41	100
Chlorobenzene	ND		100	75	ug/L			11/06/18 05:41	100
Dibromochloromethane	ND		100	32	ug/L			11/06/18 05:41	100
Chloroethane	ND		100	32	ug/L			11/06/18 05:41	100
Chloroform	ND		100	34	ug/L			11/06/18 05:41	100
Chloromethane	ND		100	35	ug/L			11/06/18 05:41	100
cis-1,2-Dichloroethene	**6800**		100	81	ug/L			11/06/18 05:41	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			11/06/18 05:41	100
Cyclohexane	ND		100	18	ug/L			11/06/18 05:41	100
Dichlorodifluoromethane	ND		100	68	ug/L			11/06/18 05:41	100
Ethylbenzene	ND		100	74	ug/L			11/06/18 05:41	100
1,2-Dibromoethane	ND		100	73	ug/L			11/06/18 05:41	100
Isopropylbenzene	ND		100	79	ug/L			11/06/18 05:41	100
Methyl acetate	ND		250	130	ug/L			11/06/18 05:41	100
Methyl tert-butyl ether	ND		100	16	ug/L			11/06/18 05:41	100
Methylcyclohexane	ND		100	16	ug/L			11/06/18 05:41	100
Methylene Chloride	ND		100	44	ug/L			11/06/18 05:41	100
Styrene	ND		100	73	ug/L			11/06/18 05:41	100
Tetrachloroethene	ND		100	36	ug/L			11/06/18 05:41	100
Toluene	ND		100	51	ug/L			11/06/18 05:41	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			11/06/18 05:41	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			11/06/18 05:41	100
Trichloroethene	**8400**		100	46	ug/L			11/06/18 05:41	100
Trichlorofluoromethane	ND		100	88	ug/L			11/06/18 05:41	100
Vinyl chloride	**430**		100	90	ug/L			11/06/18 05:41	100
Xylenes, Total	ND		200	66	ug/L			11/06/18 05:41	100

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-5
Date Collected: 10/25/18 18:00
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-10
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		11/06/18 05:41	100
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		11/06/18 05:41	100
4-Bromofluorobenzene (Surr)	95		73 - 120		11/06/18 05:41	100
Dibromofluoromethane (Surr)	88		75 - 123		11/06/18 05:41	100

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.79	J	0.19	0.095	ug/L		10/30/18 07:37	11/10/18 09:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	27		15 - 110	10/30/18 07:37	11/10/18 09:41	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.8	0.31	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluoropentanoic acid (PFPeA)	1.5	J	1.8	0.44	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorohexanoic acid (PFHxA)	1.2	J	1.8	0.52	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluoroheptanoic acid (PFHpA)	0.90	J	1.8	0.22	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorooctanoic acid (PFOA)	1.6	J	1.8	0.76	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.24	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.28	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.98	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.49	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.26	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorobutanesulfonic acid (PFBS)	1.9		1.8	0.18	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorohexanesulfonic acid (PFHxS)	0.57	J B	1.8	0.15	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.17	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorooctanesulfonic acid (PFOS)	3.4		1.8	0.48	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.28	ng/L		11/07/18 07:22	11/14/18 02:21	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8	0.31	ng/L		11/07/18 07:22	11/14/18 02:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18	2.8	ng/L		11/07/18 07:22	11/14/18 02:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18	1.7	ng/L		11/07/18 07:22	11/14/18 02:21	1
6:2 FTS	ND		18	1.8	ng/L		11/07/18 07:22	11/14/18 02:21	1
8:2 FTS	ND		18	1.8	ng/L		11/07/18 07:22	11/14/18 02:21	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	54		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C5-PFPeA DNU	72		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C2 PFHxA	74		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C4 PFHpA	82		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C4 PFOA	88		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C5 PFNA	84		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C2 PFDA	79		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C2 PFUnA	77		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C2 PFDoA	58		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C2 PFTeDA	48		25 - 150	11/07/18 07:22	11/14/18 02:21	1

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: GPW-5
Date Collected: 10/25/18 18:00
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-10
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	76		25 - 150	11/07/18 07:22	11/14/18 02:21	1
18O2 PFHxS	86		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C4 PFOS	85		25 - 150	11/07/18 07:22	11/14/18 02:21	1
13C8 FOSA	73		25 - 150	11/07/18 07:22	11/14/18 02:21	1
d3-NMeFOSAA	80		25 - 150	11/07/18 07:22	11/14/18 02:21	1
d5-NEtFOSAA	75		25 - 150	11/07/18 07:22	11/14/18 02:21	1
M2-6:2 FTS	112		25 - 150	11/07/18 07:22	11/14/18 02:21	1
M2-8:2 FTS	73		25 - 150	11/07/18 07:22	11/14/18 02:21	1

SMK 12/21/2018

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: DUP
Date Collected: 10/25/18 00:00
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-11
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			11/06/18 06:08	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			11/06/18 06:08	200
1,1,2-Trichloroethane	ND		200	46	ug/L			11/06/18 06:08	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			11/06/18 06:08	200
1,1-Dichloroethane	ND		200	76	ug/L			11/06/18 06:08	200
1,1-Dichloroethene	ND		200	58	ug/L			11/06/18 06:08	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			11/06/18 06:08	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			11/06/18 06:08	200
1,2-Dichlorobenzene	ND		200	160	ug/L			11/06/18 06:08	200
1,2-Dichloroethane	ND		200	42	ug/L			11/06/18 06:08	200
1,2-Dichloropropane	ND		200	140	ug/L			11/06/18 06:08	200
1,3-Dichlorobenzene	ND		200	160	ug/L			11/06/18 06:08	200
1,4-Dichlorobenzene	ND		200	170	ug/L			11/06/18 06:08	200
2-Butanone (MEK)	ND		2000	260	ug/L			11/06/18 06:08	200
2-Hexanone	ND		1000	250	ug/L			11/06/18 06:08	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			11/06/18 06:08	200
Acetone	ND		2000	600	ug/L			11/06/18 06:08	200
Benzene	ND		200	82	ug/L			11/06/18 06:08	200
Bromodichloromethane	ND		200	78	ug/L			11/06/18 06:08	200
Bromoform	ND		200	52	ug/L			11/06/18 06:08	200
Bromomethane	ND		200	140	ug/L			11/06/18 06:08	200
Carbon disulfide	ND		200	38	ug/L			11/06/18 06:08	200
Carbon tetrachloride	ND		200	54	ug/L			11/06/18 06:08	200
Chlorobenzene	ND		200	150	ug/L			11/06/18 06:08	200
Dibromochloromethane	ND		200	64	ug/L			11/06/18 06:08	200
Chloroethane	ND		200	64	ug/L			11/06/18 06:08	200
Chloroform	ND		200	68	ug/L			11/06/18 06:08	200
Chloromethane	ND		200	70	ug/L			11/06/18 06:08	200
cis-1,2-Dichloroethene	**12000**		200	160	ug/L			11/06/18 06:08	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			11/06/18 06:08	200
Cyclohexane	ND		200	36	ug/L			11/06/18 06:08	200
Dichlorodifluoromethane	ND		200	140	ug/L			11/06/18 06:08	200
Ethylbenzene	ND		200	150	ug/L			11/06/18 06:08	200
1,2-Dibromoethane	ND		200	150	ug/L			11/06/18 06:08	200
Isopropylbenzene	ND		200	160	ug/L			11/06/18 06:08	200
Methyl acetate	ND		500	260	ug/L			11/06/18 06:08	200
Methyl tert-butyl ether	ND		200	32	ug/L			11/06/18 06:08	200
Methylcyclohexane	ND		200	32	ug/L			11/06/18 06:08	200
Methylene Chloride	ND		200	88	ug/L			11/06/18 06:08	200
Styrene	ND		200	150	ug/L			11/06/18 06:08	200
Tetrachloroethene	ND		200	72	ug/L			11/06/18 06:08	200
Toluene	ND		200	100	ug/L			11/06/18 06:08	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			11/06/18 06:08	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			11/06/18 06:08	200
Trichloroethene	ND		200	92	ug/L			11/06/18 06:08	200
Trichlorofluoromethane	ND		200	180	ug/L			11/06/18 06:08	200
Vinyl chloride	**7800**		200	180	ug/L			11/06/18 06:08	200
Xylenes, Total	ND		400	130	ug/L			11/06/18 06:08	200

Client Sample ID: DUP

Date Collected: 10/25/18 00:00
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-11

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/06/18 06:08*	*200*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*11/06/18 06:08*	*200*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/06/18 06:08*	*200*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/06/18 06:08*	*200*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.49**	✓	0.19	0.095	ug/L		10/30/18 07:37	11/10/18 10:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	*23*		*15 - 110*	*10/30/18 07:37*	*11/10/18 10:05*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**5.6**	✓	1.8	0.31	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluoropentanoic acid (PFPeA)	**2.6**		1.8	0.43	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorohexanoic acid (PFHxA)	**2.0**		1.8	0.51	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluoroheptanoic acid (PFHpA)	**1.1**	**J**	1.8	0.22	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorooctanoic acid (PFOA)	**3.2**		1.8	0.75	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorononanoic acid (PFNA)	**1.3**	**J**	1.8	0.24	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorodecanoic acid (PFDA)	**2.0**		1.8	0.27	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluoroundecanoic acid (PFUnA)	**1.2**	**J**	1.8	0.97	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorododecanoic acid (PFDoA)	**0.50**	**J**	1.8	0.48	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.1	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorotetradecanoic acid (PFTeA)	**0.43**	**J**	1.8	0.26	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.8	0.18	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorohexanesulfonic acid (PFHxS)	1.8 U **0.76**	~~J~~ **B**	1.8	0.15	ng/L		11/07/18 07:22	11/14/18 02:28 MB	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.17	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorooctanesulfonic acid (PFOS)	**6.0**		1.8	0.48	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.28	ng/L		11/07/18 07:22	11/14/18 02:28	1
Perfluorooctanesulfonamide (FOSA)	**0.35**	**J**	1.8	0.31	ng/L		11/07/18 07:22	11/14/18 02:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18	2.7	ng/L		11/07/18 07:22	11/14/18 02:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18	1.7	ng/L		11/07/18 07:22	11/14/18 02:28	1
6:2 FTS	ND		18	1.8	ng/L		11/07/18 07:22	11/14/18 02:28	1
8:2 FTS	ND		18	1.8	ng/L		11/07/18 07:22	11/14/18 02:28	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	*52*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:28*	*1*
13C5-PFPeA DNU	*74*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:28*	*1*
13C2 PFHxA	*79*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:28*	*1*
13C4 PFHpA	*90*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:28*	*1*
13C4 PFOA	*93*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:28*	*1*
13C5 PFNA	*99*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:28*	*1*
13C2 PFDA	*103*		*25 - 150*	*11/07/18 07:22*	*11/14/18 02:28*	*1*

Client: New York State D.E.C.
Project/Site: Mayville Site# 907030A

TestAmerica Job ID: 480-144297-1

Client Sample ID: DUP
Date Collected: 10/25/18 00:00
Date Received: 10/26/18 18:15

Lab Sample ID: 480-144297-11
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	103		25 - 150	11/07/18 07:22	11/14/18 02:28	1
13C2 PFDoA	84		25 - 150	11/07/18 07:22	11/14/18 02:28	1
13C2 PFTeDA	69		25 - 150	11/07/18 07:22	11/14/18 02:28	1
13C3 PFBS	86		25 - 150	11/07/18 07:22	11/14/18 02:28	1
18O2 PFHxS	91		25 - 150	11/07/18 07:22	11/14/18 02:28	1
13C4 PFOS	94		25 - 150	11/07/18 07:22	11/14/18 02:28	1
13C8 FOSA	91		25 - 150	11/07/18 07:22	11/14/18 02:28	1
d3-NMeFOSAA	113		25 - 150	11/07/18 07:22	11/14/18 02:28	1
d5-NEtFOSAA	116		25 - 150	11/07/18 07:22	11/14/18 02:28	1
M2-6:2 FTS	192	*	25 - 150	11/07/18 07:22	11/14/18 02:28	1
M2-8:2 FTS	174	*	25 - 150	11/07/18 07:22	11/14/18 02:28	1

SMK 12/21/2018