Providing Tomorrow's Solutions, Today.

225 Atlantic Avenue
Patchogue, NY 11772
Office: 631.447.6400
Fax: 631.447.6497
Toll-Free: 1.888.EAR.6789

www.Enviro-Asmnt.com

ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

October 13, 2016

Jeffrey Dyber, Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th floor
Albany, NY 12233-7015

RE: Site No. 130066, Railroad Dry Cleaners, 3180 Lawson Boulevard, Oceanside, NY – September 2016 Groundwater Sampling

Dear Mr. Dyber:

This letter summarizes the recent onsite activities conducted by Environmental Assessment & Remediations (EAR) at the above referenced site ("the site"). It summarizes and evaluates all data collected by EAR in response to directives provided in New York State Department of Environmental Conservation (NYSDEC) Standby Contractor Authorization Form, Callout ID: 126921, dated August 31, 2016. The callout required that groundwater samples be collected from 24 site monitoring wells. Currently, the site is listed under the New York State Registry of Inactive Hazardous Waste Disposal Sites (NYS Registry) and is associated with site number 130066. A site location map has been provided as Figure 1.

Groundwater Monitoring Tasks

Between September 15, 2016 and September 19, 2016, EAR collected groundwater samples from 24 monitoring wells. A site map showing well locations has been included as Figure 2. Prior to sampling, depth to water and total well depth were measured and recorded at each well. Each monitoring well was purged utilizing a peristaltic pump – except EW-1, which was purged utilizing a low-flow submersible pump, due to the large purge volume required from this well. Purge water was then screened using a YSI model 556 multi-parameter probe with a flow-thru cell. All wells were purged a minimum of one well volume, with purging continuing until values for temperature, pH, and oxidation/reduction potential (ORP) reached stabilization. These parameters, as well as dissolved oxygen and specific conductivity, were recorded prior to sample collection. Once stabilization was reached, groundwater samples were collected utilizing a peristaltic pump, at all sample locations. A new length of high density polyethylene (HDPE) tubing was utilized at each well and all reusable sampling equipment was decontaminated between sample locations, in accordance with EAR's standard operating procedures. Recorded

field screening and water level readings have been tabulated and included as Table 1. Groundwater sampling field sheets have been included in Appendix A.

All samples collected were placed into the appropriate, laboratory-provided containers and immediately placed in a cooler with ice to maintain a temperature of four degrees Celsius, or lower. Following collection, samples were returned to EAR, temporarily stored in EAR's sample refrigerator, picked up from EAR by the laboratory's courier, and delivered to the laboratory for analysis.

As directed by the NYSDEC, quality assurance/quality control (QA/QC) samples were prepared in the field and submitted for laboratory analysis. These samples include two blind duplicate samples (MW-8X, collected from MW-8B and MW-14X, collected from MW-14C), two Matrix Spike/Matrix Spike Duplicates (MS/MSD) (collected from MW-9F and MW-18B), three field blanks (2016-09-15_Field_Blank, 2016-09-16_Field_Blank, and 2016-09-19_Field_Blank) and three laboratory-prepared trip blanks (2016-09-15_Trip_Blank, 2016-09-16_Trip_Blank, and 2016-09-19_Trip_Blank). QA/QC sample summary tables have been provided in Appendix B.

Twenty-four groundwater monitoring well samples and ten QA/QC samples were submitted to a NYSDEC standby contracted laboratory, TestAmerica Laboratories, Inc. (TestAmerica), for analysis of Volatile Organic Compounds (VOCs) (Target Compound List) and TBA, via EPA Method 624. All samples were submitted for standard 10-day turnaround time, with Category B deliverables requested.

In addition to the groundwater sampling tasks described above, EAR field technicians reviewed and documented the current physical condition of all wells that were sampled during this event. The completed field sheet has been included in Appendix A.

As requested by the NYSDEC, available site data was reviewed in order to prepare an EQuIS EDD location file. Elevations were obtained from a table in the Remedial Investigation (RI) Report that was provided by DEC. Spatial coordinates for well locations that were not included in the RI were interpolated using scaled site maps provided by the DEC and a georeferenced aerial map. This information, along with field and analytical results from the above referenced site activities, were compiled into an EQuIS EDD file package and submitted to NYENVDATA on October 12, 2016. Laboratory analytical reports have been included in Appendix C.

Summary of Analytical Results

VOC analytical results are included as Table 2 and have been compared to NYSDEC TOGS 1.1.1 Class GA water quality standards and guidance values (TOGS). Multiple exceedances of TOGS standard/guidance values were reported from multiple locations during this sampling event. A majority of wells sampled exhibited concentrations of cis-1,2-Dichloroethene (cis-1,2 DCE), Tetrachloroethene (PCE), Trichloroetylene (TCE), and Vinyl Chloride (VC) that exceeded TOGS reference values. Additional TOGS exceedances include t butylmethylether (32

µg/L, at MW-23C) and trans-1,2-Dichloroethene (19 µg/L J and 10 µg/L, at MW-9G and MW-17B, respectively). A post map for contaminants of concern has been included as Figure 3.

Should you have any questions regarding the activities or data detailed in this report, please feel free to contact me at 631-447-6400, extension 152.

Sincerely,

Stephen Goetz
Project Manager

Cc:
J. Lawrence (EAR)

TABLES

Table 1

Railroad Dry Cleaners
3180 Lawson Boulevard
Oceanside, NY
Site # 130066

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Groundwater Analytical Results
EAR Field Screening

Location	Date Collected	DTW (ft below grade)	Casing Elevation (ft)	Groundwater Elevation (ft)	Conductivity (µS)	Dissolved Oxygen (mg/L)	ORP (Oxidation Reduction Potential) (mV)	pH	Temperature (°C)
EW-1	9/15/16	3.29	unk	-	896	0.75	72.1	6.67	18.20
MW-3	9/15/16	3.67	4.49	0.82	342	0.55	63.1	7.11	21.88
MW-9B	9/15/16	3.22	4.50	1.28	944	0.40	79.1	6.25	17.58
MW-9C	9/15/16	3.22	4.50	1.28	574	0.33	41.3	6.29	17.06
MW-9D	9/15/16	2.97	4.50	1.53	623	0.37	88.5	5.70	16.76
MW-9F	9/15/16	3.24	4.49	1.25	413	0.44	37.8	6.60	16.82
MW-9G	9/15/16	3.33	4.49	1.16	584	0.62	120.1	6.40	16.97
MW-9H	9/15/16	3.54	4.67	1.13	789	0.30	111.0	6.38	16.90
MW-8A	9/16/16	3.55	4.85	1.30	267	0.59	47.8	7.06	21.22
MW-8B	9/16/16	3.54	4.83	1.29	697	0.46	13.1	6.38	18.24
MW-8F	9/16/16	3.46	4.83	1.37	576	0.95	37.3	6.04	17.10
MW-14C	9/16/16	2.88	4.05	1.17	831	0.44	77.0	6.50	17.60
MW-14D	9/16/16	2.89	4.07	1.18	593	0.20	35.4	6.48	17.76
MW-18B	9/16/16	2.91	4.19	1.28	284	0.32	10.8	6.55	18.29
MW-18C	9/16/16	2.98	4.21	1.23	712	0.40	12.9	6.45	18.09
MW-18D	9/16/16	2.93	4.23	1.30	987	0.39	14.7	6.42	18.06
MW-12C	9/19/16	3.65	4.76	1.11	605	0.70	36.7	6.63	16.75
MW-12D	9/19/16	3.67	4.75	1.08	527	0.45	44.4	6.68	17.01
MW-17B	9/19/16	4.72	5.65	0.93	651	0.56	6.1	6.61	17.04
MW-17C	9/19/16	4.60	5.64	1.04	729	0.57	17.5	6.36	17.22
MW-17D	9/19/16	5.61	6.25	0.64	806	0.92	24.0	6.65	16.67
MW-21D	9/19/16	5.82	7.29	1.47	920	0.82	53.1	6.21	16.48
MW-23C	9/19/16	5.11	6.44	1.33	742	0.75	67.5	6.25	16.50
MW-23D	9/19/16	5.10	6.44	1.34	847	0.34	78.2	6.17	16.64

Notes:
unk - Well survey details unknown

Table 2

Railroad Dry Cleaners
3180 Lawson Boulevard
Oceanside, NY
Site #130066

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Groundwater Analytical Results (µg/L): September 2016
TestAmerica, Inc.
Methods: E624 (VOCs)

Location	Date Collected	1,1 Dichloroethene	1,1,1 Trichloroethane	cis-1,2-Dichloroethene (cis-1,2-DCE)	Cyclohexane, methyl-	t butylmethylether	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethylene (TCE)	Vinyl Chloride (VC)	Total CVOC*	Total VOCs
EW-1	9/15/2016	<2	<2	2.6	<2	<2	420	<2	<2	2.2	<2	425	425
MW-3	9/15/2016	<1	<1	130	<1	<1	16	<1	0.83 J	7.4	7.3	161	162
MW-8A	9/16/2016	0.72 J	<2	730	<2	<2	0.43 J	<2	3.6	1.60 J	110	842	846
MW-8B	9/16/2016	<1	<1	13	<1	0.14 J	12	0.34 J	0.24 J	3.4	3.9	32	33
MW-8F	9/16/2016	<1	<1	63	<1	<1	8.9	<1	1.5	10	4.3	86	88
MW-9B	9/15/2016	<1	<1	20	<1	<1	7.2	<1	<1	0.79 J	8.1	36	36
MW-9C	9/15/2016	<1	<1	35	<1	<1	7.7	<1	0.50 J	3.4	5.5	52	52
MW-9D	9/15/2016	<2	<2	450	<2	<2	200	<2	2.8	38	27	715	718
MW-9F	9/15/2016	<1	<1	4.6	<1	0.16 J	0.80 J	0.34 J	0.21 J	0.34 J	7.3	13	14
MW-9G	9/15/2016	<20	<20	2,800	<20	<20	11 J	<20	19 J	4.50 J	1,200	4,016	4,035
MW-9H	9/15/2016	<5	<5	140	2 J	<5	1,300	<5	1.30 J	220	3.70 J	1,664	1,667
MW-12C	9/19/2016	<1	<1	170	<1	4.4	420	<1	2.2	45	7.4	642	649
MW-12D	9/19/2016	<1	<1	67	<1	1	88	<1	1.1	21	3.1	179	181
MW-14C	9/16/2016	<1	<1	110	<1	4.2	110	0.32 J	1.8	32	4.3	256	263
MW-14D	9/16/2016	<1	<1	4.1	<1	1	0.78 J	0.26 J	<1	0.74 J	0.34 J	6	7
MW-17B	9/19/2016	1.3	<1	540	<1	1.7	770	0.32 J	10	250	21	1,581	1,594
MW-17C	9/19/2016	<1	<1	24	<1	1.8	26	<1	0.47 J	4.3	0.20 J	55	57
MW-17D	9/19/2016	<1	0.82 J	21	<1	<1	26	<1	0.39 J	18	<1	65	66
MW-18B	9/16/2016	<1	<1	5	<1	0.56 J	<1	0.38 J	0.27 J	0.23 J	0.48 J	6	7
MW-18C	9/16/2016	<1	<1	4.7	<1	0.57 J	0.88 J	0.31 J	<1	1	0.19 J	7	8
MW-18D	9/16/2016	<1	<1	43	<1	0.54 J	12	0.38 J	0.90 J	5.5	1.2	62	64
MW-21D	9/19/2016	<1	<1	2.5	<1	4.3	7.2	<1	<1	2.1	0.26 J	12	16
MW-23C	9/19/2016	<1	<1	5.8	<1	32	22	<1	<1	5.8	0.40 J	34	66
MW-23D	9/19/2016	<1	<1	19	<1	6.6	140	<1	0.40 J	20	0.64 J	180	187
TOGS 1.1.1[a] (Class GA)	Standard	5	5	5	na	na	5	5	5	5	2	na	na
	Guidance	na	na	na	na	10	na	na	na	na	na	na	na

Notes:

[a]NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1), June 1998

na - Analyzed chemicals with no established values in TOGS 1.1.1

J - Laboratory estimated value, the result is less than or equal to the method detection limit and greater than the limit of quantitation.

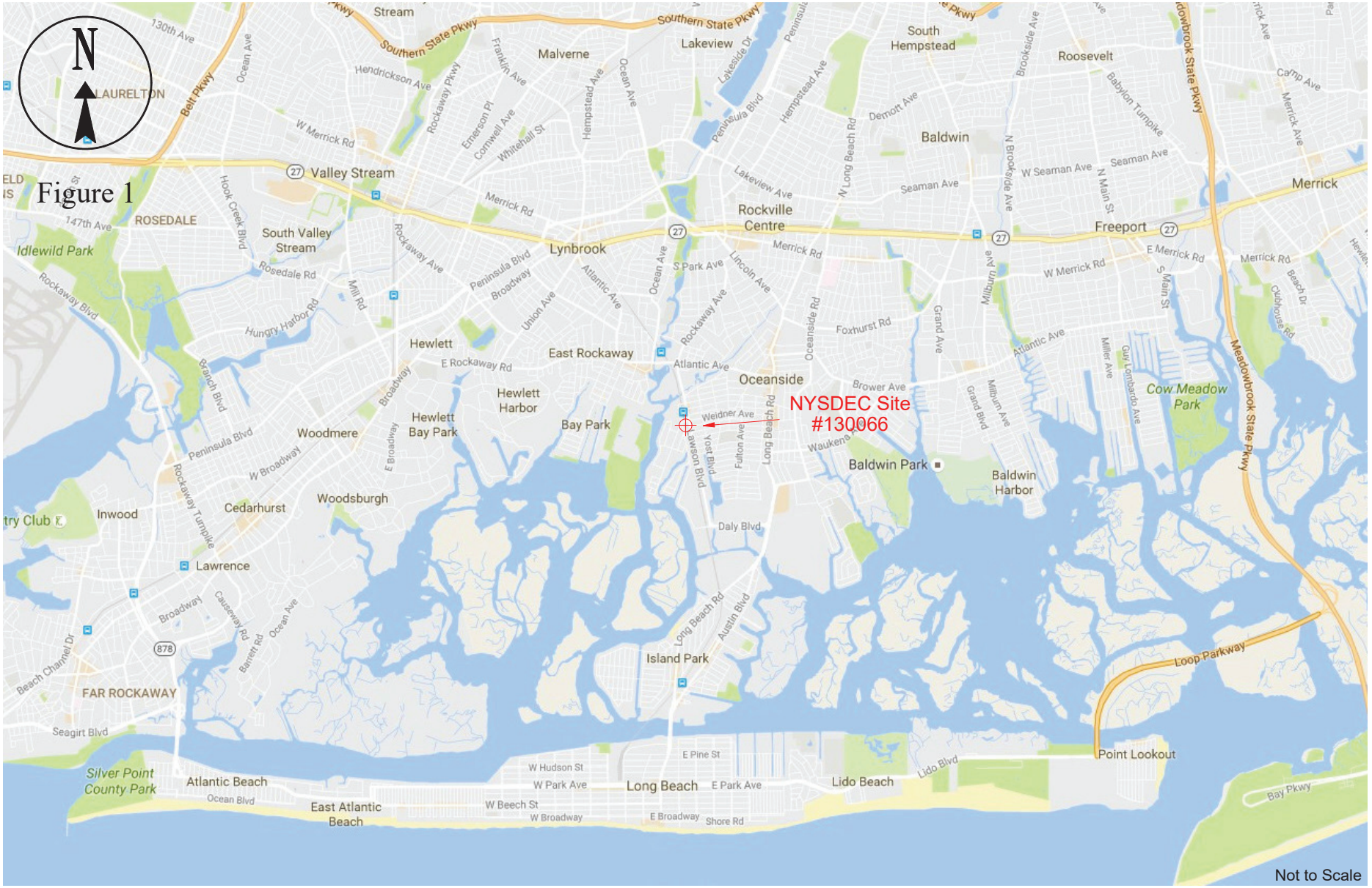
Gray higlighted values exceed TOGS 1.1.1 standard/guidance values.

* - Total chlorinated VOCs: the sum of analytical results for cis-1,2-DCE, PCE, TCE, and VC.

The chemicals listed below were reported below the LRL:

1,1 Dichloroethane	1,4-Dioxane	Chlorobenzene	m + p Xylene
1,1,2 Trichloroethane	2-Hexanone	Chloroethane	Methyl acetate
1,1,2,2 Tetrachloroethane	4-Methyl-2-Pentanone	Chloroform	Methyl Ethyl Ketone
1,2 Dibromoethane	Acetone	Chloromethane	Methylene Chloride
1,2 Dichlorobenzene	Benzene	Cyclohexane	o-Xylene
1,2 Dichloroethane	Bromodichloromethane	Dibromochloromethane	Styrene
1,2 Dichloropropane	Bromoform	Dibromochloropropane	t 1,3 Dichloropropene
1,2,3 Trichlorobenzene	Bromomethane	Dichlorodifluoromethane	Tert-Butyl Alcohol
1,2,4 Trichlorobenzene	c 1,3 Dichloropropene	Ethylbenzene	Trichlorofluoromethane
1,3 Dichlorobenzene	Carbon Disulfide	Freon 113	Xylenes Total
1,4 Dichlorobenzene	Carbon Tetrachloride	Isopropylbenzene	

FIGURES



ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Figure 1

Site Location Map

Railroad Dry Cleaners
3180 Lawson Boulevard
Oceanside, NY
NYSDEC Site #130066

N

Figure 2

Legend

Monitoring Well

0 150
SCALE IN FEET

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Site Map

Railroad Dry Cleaners
3180 Lawson Boulevard
Oceanside, NY
NYSDEC Site #130066

Figure 3

Legend

	Monitoring Well
PCE	Tetrachloroethene
TCE	Trichloroethene
cis-1,2 DCE	cis-1,2-Dichloroethene
VC	Vinyl Chloride

0 150
SCALE IN FEET

MW-17				
	PCE	TCE	cis-1,2 DCE	VC
B	770	250	540	21
C	26	4.3	24	0.2 J
D	26	18	21	<1

MW-9				
	PCE	TCE	cis-1,2 DCE	VC
B	7.2	0.79 J	20	8.1
C	7.7	3.4	35	5.5
D	200	38	450	27
F	0.8 J	0.34 J	4.6	7.3
G	11 J	4.5 J	2,800	1,200
H	1,300	220	140	3.7 J

MW-18				
	PCE	TCE	cis-1,2 DCE	VC
B	<1	0.23 J	5	0.48 J
C	0.88 J	1	4.7	0.19 J
D	12	5.5	43	1.2

MW-3			
PCE	TCE	cis-1,2 DCE	VC
16	7.4	130	7.3

EW-1			
PCE	TCE	cis-1,2 DCE	VC
420	2.2	2.6	<2

MW-23				
	PCE	TCE	cis-1,2 DCE	VC
C	22	5.8	5.8	0.4 J
D	140	20	19	0.64 J

MW-12				
	PCE	TCE	cis-1,2 DCE	VC
C	420	45	170	7.4
D	88	21	67	3.1

MW-21				
	PCE	TCE	cis-1,2 DCE	VC
D	7.2	2.1	2.5	0.26 J

MW-8				
	PCE	TCE	cis-1,2 DCE	VC
A	0.43 J	1.6 J	730	110
B	12	3.4	13	3.9
F	8.9	10	63	4.3

MW-14				
	PCE	TCE	cis-1,2 DCE	VC
C	110	32	110	4.3
D	0.78 J	0.74 J	4.1	0.34 J

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Groundwater Analytical Results (µg/L)
September 2016
Test America Laboratories

Railroad Dry Cleaners
3180 Lawson Boulevard
Oceanside, NY
NYSDEC Site #130066

APPENDIX A: Groundwater Sampling Data Sheets

Groundwater Sampling Sheet: Stabilization Purge Method

Site: DEC - OCEANSIDE 3180

Date: 9/15/16

Techs: RC/JAB

Start Time: 6:30

End Time: 14:30

Equipment: GEO #13 GEN #02
MONSOON #2
YSI RENTAL
SWLM 0200

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	Notes
MW-3	4	14.94	3.69	11.27	7.47	8.0	10:09	0.55	21.88	7.11	63.1	342	
EW-1	6	51.60	3.29	48.31	72.5	72.5	11:25	0.75	18.20	6.67	72.1	896	HIGH PURGE
MW-9B	.5	29.47	3.22	26.25	.394	2.0	12:05	0.40	17.58	6.25	79.1	944	TURBID DRY WELL
MW-9C	.5	49.70	3.22	46.48	.697	1.0	12:17	0.33	17.06	6.29	41.3	574	
MW-9D	.5	69.71	2.97	66.74	1.00	1.0	12:30	0.37	16.76	5.70	88.5	623	
MW-9F	.5	101.37	3.24	98.13	1.47	2.0	12:46	0.44	16.82	6.60	37.8	413	
MW-9G	.5	129.45	3.33	126.12	1.89	2.0	13:01	0.62	16.97	6.40	120.1	584	
MW-9H	1.5	149.82	3.54	146.28	15.36	15.0	13:25	0.30	16.90	6.38	111.0	789	

SG NOTE:
- FIELD CREW PREP'D FIELD BLANK (2016-09-15_FIELD_BLANK) & TRIP BLANK (2016-09-15_TRIP_BLANK) TODAY
- MS/MSD SAMPLE SET COLLECTED FROM MW-9F

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

Groundwater Sampling Sheet: Stabilization Purge Method

Site: DEC - OCEANSIDE 3180 Start Time: 06:30 Equipment:

Date: 9/16/16 End Time:

Techs: RC / JAB

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	Notes
MW-8A	.5	9.65	3.55	6.10	.092	1.50	9:40	0.59	21.22	7.06	47.6	267	
MW-8B	.5	29.89	3.54	26.05	.391	2.0	10:08	0.46 Purge	18.24	6.38	13.1	697	
MW-8F	.5	101.72	3.46	98.26	1.47	2.5	10:35	0.95	17.10	6.04	37.3	576	
MW-18B	.5	29.45	2.91	26.53	.398	2.0	11:22	0.32	18.29	6.55	10.4	284	
MW-18C	.5	49.46	2.98	46.48	.697	2.0	11:42	0.40	18.09	6.45	12.9	712	
MW-14D	.5	69.67	2.93	66.74	1.00	2.0	12:07	0.39	16.06	6.42	14.7	967	
MW-14C	.5	43.49	2.88	40.59	.609	1.50	12:42	0.44	17.66	6.50	77.0	831	
MW-14D	.5	69.80	2.89	66.91	1.00	1.75	13:12	0.20	17.76	6.48	35.4	593	

SG NOTE:
- FIELD CREW PREP'D FIELD BLANK (2016-09-16_FIELD BLANK) & TRIP BLANK (2016-09-16_TRIP BLANK) TODAY.
- MS/MSD SAMPLE SET COLLECTED FROM MW-18B

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

MW-8B = MW-8X

MW-14C = MW-14X

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

Groundwater Sampling Sheet: Stabilization Purge Method

Site: DEC - OCEANSIDE 3180 Start Time: 6:30 Equipment:

Date: 9/19/16 End Time: 14:30

Techs: RC/JAB

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	Notes
MW-12C	.5	49.14	3.63	45.49	.682	2.0	9:06	0.70	16.75	6.63	36.7	605	
MW-12D	.5	68.61	3.67	64.94	.974	2.0	9:37	0.45	17.01	6.68	44.4	527	
MW-17B	.5	28.52	4.72	23.80	.357	2.0	10:46	0.56	17.04	6.61	6.1	651	23.80 LANDSCAPE WATER
MW-17C	.5	48.09	4.60	43.49	.652	2.0	11:11	0.57	17.22	6.36	17.5	729	43.49
MW-17D	.5	69.21	5.61	63.60	6.68	7.0	11:45	0.92	16.67	6.65	24.0	806	63.60
				63.45									
MW-21D	.5	69.27	5.82		.952	2.0	12:30	0.82	16.48	6.21	53.1	920	
MW-23C	.5	54.67	5.11	49.56	.743	2.0	12:59	0.75	16.50	6.25	67.5	742	
MW-23D	.5	74.60	5.10	69.50	1.04	2.0	13:24	0.34	16.64	6.17	78.2	847	
									SG NOTE:				
									- FIELD CREW PREP'D FIELD BLANK				
									(2016-09-19_FIELD_BLANK) & TRIP BLANK				
									(2016-09-19_TRIP_BLANK) TODAY.				

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

WELL CONDITION WORKSHEET

Site: DEC-OCEANSIDE3180
Date: 9/15, 9/16
Techs: RC/JB
Please complete for all wells sampled

Well ID	Well Diameter (inches)	Concrete Pad in Good Condition?	Number of Bolts	Bolts in Place?	Number of Bolts Secure?	Bolt Receivers in Place and Operational?	Well Cap in Place and Operational?	Well ID Marked on Well/ Well Cap?	North Marked on Well Riser?	Notes
MW-3	4	OK	2	1	1	2	YES	NO	NO	WATER IN WELL
MW-9	.5	OK	2	1	1	2	YES	NO	NO	MUD IN WELL COVERING PORTS
EW-1	6	OK	2	2	2	2	YES	NO	NO	72 GALLON PURGE
MW-16	.5	BELOW CRACKED GRADE	2	0	0	2	MISSING ONE CAP	NO	NO	MUD IN WELL COVERING PORTS
MW-14	.5	OK	3	3	3	3	MISSING ONE CAP	NO	NO	WATER + MUD IN WELL
MW-18	.5	OK	3	0	0	3	YES	NO	NO	INSIDE FENCE BEHIND BUILDING / MUD IN WELL
MW-12	.5	GOOD	2	0	0	2	YES	YES	YES	
MW-17	.5+1.5	GOOD	2	1	1	2	YES	YES	NO	
MW-21	.5	GOOD	2	1	1	2	YES	YES	NO	
MW-23	.5	OK	2	2	2	2	YES	YES	NO	

Additional Notes:

APPENDIX B: QA/QC Sample Summary Tables

Railroad Dry Cleaners
3180 Lawson Boulevard
Oceanside, NY
Site #130066

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Groundwater Analytical Results (µg/L): September 2016-QA/QC
TestAmerica, Inc.
Methods: E624 (VOCs)

Location	Date Collected	2-Hexanone	Acetone	Carbon Disulfide	m + p Xylene	Methyl Ethyl Ketone	Methylene Chloride	Tert-Butyl Alcohol
2016-09-15_FIELD_BLANK	9/15/2016	**1.90 J**	**16**	<1	**0.47 J**	**38**	**0.39 J**	**62**
2016-09-16_FIELD_BLANK	9/16/2016	**2.60 J**	**27**	<1	**0.56 J**	**39**	<1	**73**
2016-09-19_FIELD_BLANK	9/19/2016	**2.90 J**	**28**	**0.22 J**	**0.51 J**	**40**	**0.38 J**	**65**
2016-09-15_TRIP_BLANK	9/15/2016	<5	<5	<1	<1	<5	**0.73 J**	<10
2016-09-16_TRIP_BLANK	9/16/2016	<5	**7.4**	<1	<1	<5	**0.59 J**	<10
2016-09-19_TRIP_BLANK	9/19/2016	<5	**8.5**	<1	<1	<5	**0.63 J**	<10

Notes:
Field blanks were prepared daily by EAR field personnel using new HDPE and silicone tubing, perstaltic pump, and laboratory-provided de-ionized water.
Trip blanks were prepared and supplied by laboratory.
J - Laboratory estimated value, the result is less than or equal to the method detection limit and greater than the limit of quantitation.

The chemicals listed below were reported below the LRL:

1,1 Dichloroethane	Benzene	Dichlorodifluoromethane
1,1 Dichloroethene	Bromodichloromethane	Ethylbenzene
1,1,1 Trichloroethane	Bromoform	Freon 113
1,1,2 Trichloroethane	Bromomethane	Isopropylbenzene
1,1,2,2 Tetrachloroethane	c 1,3 Dichloropropene	Methyl acetate
1,2 Dibromoethane	Carbon Tetrachloride	MTBE
1,2 Dichlorobenzene	Chlorobenzene	o-Xylene
1,2 Dichloroethane	Chloroethane	Styrene
1,2 Dichloropropane	Chloroform	t 1,3 Dichloropropene
1,2,3 Trichlorobenzene	Chloromethane	Tetrachloroethene
1,2,4 Trichlorobenzene	cis-1,2-Dichloroethene	Toluene
1,3 Dichlorobenzene	Cyclohexane	trans-1,2-Dichloroethene
1,4 Dichlorobenzene	Cyclohexane, methyl-	Trichloroethylene
1,4-Dioxane	Dibromochloromethane	Trichlorofluoromethane
4-Methyl-2-Pentanone	Dibromochloropropane	Vinyl Chloride

Railroad Dry Cleaners
3180 Lawson Boulevard
Oceanside, NY
Site #130066

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

QA/QC Analytical Results (µg/L): Relative Percent Difference, September 2016
TestAmerica, Inc.
Methods: E624 (VOCs)

Location	Date Collected	1,1 Dichloroethane	cis-1,2-Dichloroethene	t butylmethylether	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethylene	Vinyl Chloride
MW-8B	9/16/2016	<1	13	0.14 J	12	0.34 J	0.24 J	3.4	3.9
MW-8X	9/16/2016	<1	12	0.14 J	11	0.35 J	0.19 J	3.3	3.2
Relative Percent Difference		-	8%	-	9%	-	-	3%	20%
MW-14C	9/16/2016	<1	110	4.2	110	0.32 J	1.8	32	4.3
MW-14X	9/16/2016	0.63 J	110	3.7	64	1	1.4	21	3.9
Relative Percent Difference		-	0%	13%	53%	-	25%	42%	10%

J - Laboratory estimated value, the result is less than or equal to the method detection limit and greater than the limit of quantitation.

The chemicals listed below were reported below the LRL:

1,1 Dichloroethene	Acetone	Dibromochloropropane
1,1,1 Trichloroethane	Benzene	Dichlorodifluoromethane
1,1,2 Trichloroethane	Bromodichloromethane	Ethylbenzene
1,1,2,2 Tetrachloroethane	Bromoform	Freon 113
1,2 Dibromoethane	Bromomethane	Isopropylbenzene
1,2 Dichlorobenzene	c 1,3 Dichloropropene	m + p Xylene
1,2 Dichloroethane	Carbon Disulfide	Methyl acetate
1,2 Dichloropropane	Carbon Tetrachloride	Methyl Ethyl Ketone
1,2,3 Trichlorobenzene	Chlorobenzene	Methylene Chloride
1,2,4 Trichlorobenzene	Chloroethane	o-Xylene
1,3 Dichlorobenzene	Chloroform	Styrene
1,4 Dichlorobenzene	Chloromethane	t 1,3 Dichloropropene
1,4-Dioxane	Cyclohexane	Tert-Butyl Alcohol
2-Hexanone	Cyclohexane, methyl-	Trichlorofluoromethane
4-Methyl-2-Pentanone	Dibromochloromethane	Xylenes Total

APPENDIX C: Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-120424-1

Job Description: DEC - Oceanside3180; Site: 130066

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, NY 12233-7017

Attention: Mr. Jeffrey L Dyber

Maegen Pane

Approved for release.
Maegen C Pane
Project Management Assistant I
9/27/2016 5:00 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
09/27/2016

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-120424-1

Job Description: DEC - Oceanside3180; Site: 130066

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.

Approved for release.
Maegen C Pane
Project Management Assistant I
9/27/2016 5:00 PM

Designee for
Melissa Haas

Table of Contents

Table of Contents

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - Oceanside3180; Site: 130066

Report Number: 460-120424-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 9/16/2016 7:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples MW-3 (460-120424-1), EW-1 (460-120424-2), MW-9B (460-120424-3), MW-9C (460-120424-4), MW-9D (460-120424-5), MW-9F (460-120424-6), MW-9G (460-120424-7), MW-9H (460-120424-8), 2016-09-15_FIELD_BLANK (460-120424-9) and 2016-09-15_TRIP_BLANK (460-120424-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 09/22/2016, 09/23/2016 and 09/24/2016.

Surrogate Dibromofluoromethane recovery for the following samples was outside control limits: MW-9F (460-120424-6) and 2016-09-15_TRIP_BLANK (460-120424-10). Surrogate recoveries for the other three system monitoring compounds were within control limits; therefore, re-analysis was not performed.

Methylene Chloride, m-Xylene & p-Xylene, 2-Hexanone, Acetone, 2-Butanone and TBA hits in the following sample (FB) 2016-09-15_FIELD_BLANK (460-120424-9). See confirmation run E60113 in batch 392122.

The laboratory control sample (LCS) for analytical batch 460-392649 recovered outside control limits for the following analyte: cis-1,2-Dichloroethene. The associated sample results have been flagged and reported.

Cyclohexane failed the recovery criteria high for the MS of sample MW-9FMS (460-120424-6) in batch 460-392122.

cis-1,2-Dichloroethene failed the recovery criteria low for the MS of sample MW-9GMS (460-120424-7) in batch 460-392649.

cis-1,2-Dichloroethene failed the recovery criteria low for the MS of sample MW-9GMS (460-120424-7) in batch 460-392649.

Refer to the QC report for details.

Samples EW-1 (460-120424-2)[2X], MW-9D (460-120424-5)[2X], MW-9G (460-120424-7)[20X] and MW-9H (460-120424-8)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-1 (460-120424-2), MW-9D (460-120424-5) and MW-9H (460-120424-8). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: New York State D.E.C.
Project/Site: DEC - Oceanside3180; Site: 130066

TestAmerica Job ID: 460-120424-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-120424-1	MW-3	Water	09/15/16 10:09	09/16/16 19:10
460-120424-2	EW-1	Water	09/15/16 11:25	09/16/16 19:10
460-120424-3	MW-9B	Water	09/15/16 12:05	09/16/16 19:10
460-120424-4	MW-9C	Water	09/15/16 12:17	09/16/16 19:10
460-120424-5	MW-9D	Water	09/15/16 12:30	09/16/16 19:10
460-120424-6	MW-9F	Water	09/15/16 12:45	09/16/16 19:10
460-120424-7	MW-9G	Water	09/15/16 13:01	09/16/16 19:10
460-120424-8	MW-9H	Water	09/15/16 13:25	09/16/16 19:10
460-120424-9	2016-09-15_FIELD_BLANK	Water	09/15/16 13:00	09/16/16 19:10
460-120424-10	2016-09-15_TRIP_BLANK	Water	09/15/16 00:00	09/16/16 19:10

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC - Oceanside3180; Site: 130066

TestAmerica Job ID: 460-120424-1

Client Sample ID: MW-3 — Lab Sample ID: 460-120424-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	130	*	1.0	0.26	ug/L	1		624	Total/NA
Tetrachloroethene	16		1.0	0.12	ug/L	1		624	Total/NA
trans-1,2-Dichloroethene	0.83	J	1.0	0.18	ug/L	1		624	Total/NA
Trichloroethene	7.4		1.0	0.22	ug/L	1		624	Total/NA
Vinyl chloride	7.3		1.0	0.060	ug/L	1		624	Total/NA

Client Sample ID: EW-1 — Lab Sample ID: 460-120424-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.6	*	2.0	0.52	ug/L	2		624	Total/NA
Tetrachloroethene	420		2.0	0.24	ug/L	2		624	Total/NA
Trichloroethene	2.2		2.0	0.44	ug/L	2		624	Total/NA

Client Sample ID: MW-9B — Lab Sample ID: 460-120424-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	20	*	1.0	0.26	ug/L	1		624	Total/NA
Tetrachloroethene	7.2		1.0	0.12	ug/L	1		624	Total/NA
Trichloroethene	0.79	J	1.0	0.22	ug/L	1		624	Total/NA
Vinyl chloride	8.1		1.0	0.060	ug/L	1		624	Total/NA

Client Sample ID: MW-9C — Lab Sample ID: 460-120424-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	35	*	1.0	0.26	ug/L	1		624	Total/NA
Tetrachloroethene	7.7		1.0	0.12	ug/L	1		624	Total/NA
trans-1,2-Dichloroethene	0.50	J	1.0	0.18	ug/L	1		624	Total/NA
Trichloroethene	3.4		1.0	0.22	ug/L	1		624	Total/NA
Vinyl chloride	5.5		1.0	0.060	ug/L	1		624	Total/NA

Client Sample ID: MW-9D — Lab Sample ID: 460-120424-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	450	*	2.0	0.52	ug/L	2		624	Total/NA
Tetrachloroethene	200		2.0	0.24	ug/L	2		624	Total/NA
trans-1,2-Dichloroethene	2.8		2.0	0.36	ug/L	2		624	Total/NA
Trichloroethene	38		2.0	0.44	ug/L	2		624	Total/NA
Vinyl chloride	27		2.0	0.12	ug/L	2		624	Total/NA

Client Sample ID: MW-9F — Lab Sample ID: 460-120424-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.6		1.0	0.26	ug/L	1		624	Total/NA
MTBE	0.16	J	1.0	0.13	ug/L	1		624	Total/NA
Tetrachloroethene	0.80	J	1.0	0.12	ug/L	1		624	Total/NA
Toluene	0.34	J	1.0	0.25	ug/L	1		624	Total/NA
trans-1,2-Dichloroethene	0.21	J	1.0	0.18	ug/L	1		624	Total/NA
Trichloroethene	0.34	J	1.0	0.22	ug/L	1		624	Total/NA
Vinyl chloride	7.3		1.0	0.060	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC - Oceanside3180; Site: 130066

TestAmerica Job ID: 460-120424-1

Client Sample ID: MW-9G — Lab Sample ID: 460-120424-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2800	*	20	5.2	ug/L	20		624	Total/NA
Tetrachloroethene	11	J	20	2.4	ug/L	20		624	Total/NA
trans-1,2-Dichloroethene	19	J	20	3.6	ug/L	20		624	Total/NA
Trichloroethene	4.5	J	20	4.4	ug/L	20		624	Total/NA
Vinyl chloride	1200		20	1.2	ug/L	20		624	Total/NA

Client Sample ID: MW-9H — Lab Sample ID: 460-120424-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140	*	5.0	1.3	ug/L	5		624	Total/NA
Methylcyclohexane	2.0	J	5.0	1.1	ug/L	5		624	Total/NA
Tetrachloroethene	1300		5.0	0.60	ug/L	5		624	Total/NA
trans-1,2-Dichloroethene	1.3	J	5.0	0.90	ug/L	5		624	Total/NA
Trichloroethene	220		5.0	1.1	ug/L	5		624	Total/NA
Vinyl chloride	3.7	J	5.0	0.30	ug/L	5		624	Total/NA

Client Sample ID: 2016-09-15_FIELD_BLANK — Lab Sample ID: 460-120424-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	38		5.0	2.2	ug/L	1		624	Total/NA
2-Hexanone	1.9	J	5.0	0.72	ug/L	1		624	Total/NA
Acetone	16		5.0	1.1	ug/L	1		624	Total/NA
Methylene Chloride	0.39	J	1.0	0.21	ug/L	1		624	Total/NA
m-Xylene & p-Xylene	0.47	J	1.0	0.28	ug/L	1		624	Total/NA
TBA	62		10	1.2	ug/L	1		624	Total/NA

Client Sample ID: 2016-09-15_TRIP_BLANK — Lab Sample ID: 460-120424-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.73	J	1.0	0.21	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Project/Site: DEC - Oceanside3180; Site: 130066

TestAmerica Job ID: 460-120424-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL EDI

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: MW-3
Lab Sample ID: 460-120424-1

Date Collected: 09/15/16 10:09
Matrix: Water

Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			09/24/16 20:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			09/24/16 20:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			09/24/16 20:07	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/24/16 20:07	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			09/24/16 20:07	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			09/24/16 20:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/24/16 20:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			09/24/16 20:07	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/24/16 20:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			09/24/16 20:07	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/24/16 20:07	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/24/16 20:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/24/16 20:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/24/16 20:07	1
2-Butanone	5.0	U	5.0	2.2	ug/L			09/24/16 20:07	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			09/24/16 20:07	1
4-Methyl-2-pentanone	5.0	U	5.0	0.63	ug/L			09/24/16 20:07	1
Acetone	5.0	U	5.0	1.1	ug/L			09/24/16 20:07	1
Benzene	1.0	U	1.0	0.090	ug/L			09/24/16 20:07	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/24/16 20:07	1
Bromoform	1.0	U	1.0	0.18	ug/L			09/24/16 20:07	1
Bromomethane	1.0	U	1.0	0.18	ug/L			09/24/16 20:07	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			09/24/16 20:07	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			09/24/16 20:07	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			09/24/16 20:07	1
Chloroform	1.0	U	1.0	0.22	ug/L			09/24/16 20:07	1
Chloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 20:07	1
cis-1,2-Dichloroethene	**130**	*	1.0	0.26	ug/L			09/24/16 20:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			09/24/16 20:07	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			09/24/16 20:07	1
Dibromochloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 20:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			09/24/16 20:07	1
Ethyl Chloride	1.0	U	1.0	0.37	ug/L			09/24/16 20:07	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/24/16 20:07	1
Freon TF	1.0	U	1.0	0.34	ug/L			09/24/16 20:07	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			09/24/16 20:07	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			09/24/16 20:07	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			09/24/16 20:07	1
Methylene Chloride	1.0	U	1.0	0.21	ug/L			09/24/16 20:07	1
MTBE	1.0	U	1.0	0.13	ug/L			09/24/16 20:07	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			09/24/16 20:07	1
o-Xylene	1.0	U	1.0	0.32	ug/L			09/24/16 20:07	1
p-Dioxane	50	U	50	8.7	ug/L			09/24/16 20:07	1
Styrene	1.0	U	1.0	0.17	ug/L			09/24/16 20:07	1
TBA	10	U	10	1.2	ug/L			09/24/16 20:07	1
Tetrachloroethene	**16**		1.0	0.12	ug/L			09/24/16 20:07	1
Toluene	1.0	U	1.0	0.25	ug/L			09/24/16 20:07	1
trans-1,2-Dichloroethene	**0.83**	**J**	1.0	0.18	ug/L			09/24/16 20:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/24/16 20:07	1

Client Sample ID: MW-3
Lab Sample ID: 460-120424-1
Date Collected: 09/15/16 10:09
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**7.4**		1.0	0.22	ug/L			09/24/16 20:07	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			09/24/16 20:07	1
Vinyl chloride	**7.3**		1.0	0.060	ug/L			09/24/16 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*48 - 130*		*09/24/16 20:07*	*1*
Bromofluorobenzene	*83*		*71 - 131*		*09/24/16 20:07*	*1*
Dibromofluoromethane (Surr)	*84*		*80 - 120*		*09/24/16 20:07*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/24/16 20:07*	*1*

Client Sample ID: EW-1
Lab Sample ID: 460-120424-2
Date Collected: 09/15/16 11:25
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.56	ug/L			09/24/16 23:15	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.38	ug/L			09/24/16 23:15	2
1,1,2-Trichloroethane	2.0	U	2.0	0.16	ug/L			09/24/16 23:15	2
1,1-Dichloroethane	2.0	U	2.0	0.48	ug/L			09/24/16 23:15	2
1,1-Dichloroethene	2.0	U	2.0	0.68	ug/L			09/24/16 23:15	2
1,2,3-Trichlorobenzene	2.0	U	2.0	0.70	ug/L			09/24/16 23:15	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.54	ug/L			09/24/16 23:15	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.46	ug/L			09/24/16 23:15	2
1,2-Dibromoethane	2.0	U	2.0	0.38	ug/L			09/24/16 23:15	2
1,2-Dichlorobenzene	2.0	U	2.0	0.44	ug/L			09/24/16 23:15	2
1,2-Dichloroethane	2.0	U	2.0	0.50	ug/L			09/24/16 23:15	2
1,2-Dichloropropane	2.0	U	2.0	0.36	ug/L			09/24/16 23:15	2
1,3-Dichlorobenzene	2.0	U	2.0	0.66	ug/L			09/24/16 23:15	2
1,4-Dichlorobenzene	2.0	U	2.0	0.66	ug/L			09/24/16 23:15	2
2-Butanone	10	U	10	4.4	ug/L			09/24/16 23:15	2
2-Hexanone	10	U	10	1.4	ug/L			09/24/16 23:15	2
4-Methyl-2-pentanone	10	U	10	1.3	ug/L			09/24/16 23:15	2
Acetone	10	U	10	2.1	ug/L			09/24/16 23:15	2
Benzene	2.0	U	2.0	0.18	ug/L			09/24/16 23:15	2
Bromodichloromethane	2.0	U	2.0	0.30	ug/L			09/24/16 23:15	2
Bromoform	2.0	U	2.0	0.36	ug/L			09/24/16 23:15	2
Bromomethane	2.0	U	2.0	0.36	ug/L			09/24/16 23:15	2
Carbon disulfide	2.0	U	2.0	0.44	ug/L			09/24/16 23:15	2
Carbon tetrachloride	2.0	U	2.0	0.66	ug/L			09/24/16 23:15	2
Chlorobenzene	2.0	U	2.0	0.48	ug/L			09/24/16 23:15	2
Chloroform	2.0	U	2.0	0.44	ug/L			09/24/16 23:15	2
Chloromethane	2.0	U	2.0	0.44	ug/L			09/24/16 23:15	2
cis-1,2-Dichloroethene	**2.6**	*	2.0	0.52	ug/L			09/24/16 23:15	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.32	ug/L			09/24/16 23:15	2
Cyclohexane	2.0	U	2.0	0.52	ug/L			09/24/16 23:15	2
Dibromochloromethane	2.0	U	2.0	0.44	ug/L			09/24/16 23:15	2
Dichlorodifluoromethane	2.0	U	2.0	0.28	ug/L			09/24/16 23:15	2
Ethyl Chloride	2.0	U	2.0	0.74	ug/L			09/24/16 23:15	2
Ethylbenzene	2.0	U	2.0	0.60	ug/L			09/24/16 23:15	2

Client Sample ID: EW-1

Date Collected: 09/15/16 11:25
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-2

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon TF	2.0	U	2.0	0.68	ug/L			09/24/16 23:15	2
Isopropylbenzene	2.0	U	2.0	0.64	ug/L			09/24/16 23:15	2
Methyl acetate	10	U	10	1.2	ug/L			09/24/16 23:15	2
Methylcyclohexane	2.0	U	2.0	0.44	ug/L			09/24/16 23:15	2
Methylene Chloride	2.0	U	2.0	0.42	ug/L			09/24/16 23:15	2
MTBE	2.0	U	2.0	0.26	ug/L			09/24/16 23:15	2
m-Xylene & p-Xylene	2.0	U	2.0	0.56	ug/L			09/24/16 23:15	2
o-Xylene	2.0	U	2.0	0.64	ug/L			09/24/16 23:15	2
p-Dioxane	100	U	100	17	ug/L			09/24/16 23:15	2
Styrene	2.0	U	2.0	0.34	ug/L			09/24/16 23:15	2
TBA	20	U	20	2.4	ug/L			09/24/16 23:15	2
Tetrachloroethene	**420**		2.0	0.24	ug/L			09/24/16 23:15	2
Toluene	2.0	U	2.0	0.50	ug/L			09/24/16 23:15	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.36	ug/L			09/24/16 23:15	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.38	ug/L			09/24/16 23:15	2
Trichloroethene	**2.2**		2.0	0.44	ug/L			09/24/16 23:15	2
Trichlorofluoromethane	2.0	U	2.0	0.30	ug/L			09/24/16 23:15	2
Vinyl chloride	2.0	U	2.0	0.12	ug/L			09/24/16 23:15	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*48 - 130*		*09/24/16 23:15*	*2*
Bromofluorobenzene	*79*		*71 - 131*		*09/24/16 23:15*	*2*
Dibromofluoromethane (Surr)	*84*		*80 - 120*		*09/24/16 23:15*	*2*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/24/16 23:15*	*2*

Client Sample ID: MW-9B

Date Collected: 09/15/16 12:05
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-3

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			09/24/16 19:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			09/24/16 19:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			09/24/16 19:40	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/24/16 19:40	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			09/24/16 19:40	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			09/24/16 19:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/24/16 19:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			09/24/16 19:40	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/24/16 19:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			09/24/16 19:40	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/24/16 19:40	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/24/16 19:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/24/16 19:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/24/16 19:40	1
2-Butanone	5.0	U	5.0	2.2	ug/L			09/24/16 19:40	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			09/24/16 19:40	1
4-Methyl-2-pentanone	5.0	U	5.0	0.63	ug/L			09/24/16 19:40	1
Acetone	5.0	U	5.0	1.1	ug/L			09/24/16 19:40	1
Benzene	1.0	U	1.0	0.090	ug/L			09/24/16 19:40	1

Client Sample ID: MW-9B
Lab Sample ID: 460-120424-3

Date Collected: 09/15/16 12:05
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/24/16 19:40	1
Bromoform	1.0	U	1.0	0.18	ug/L			09/24/16 19:40	1
Bromomethane	1.0	U	1.0	0.18	ug/L			09/24/16 19:40	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			09/24/16 19:40	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			09/24/16 19:40	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			09/24/16 19:40	1
Chloroform	1.0	U	1.0	0.22	ug/L			09/24/16 19:40	1
Chloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 19:40	1
cis-1,2-Dichloroethene	**20**	*	1.0	0.26	ug/L			09/24/16 19:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			09/24/16 19:40	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			09/24/16 19:40	1
Dibromochloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 19:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			09/24/16 19:40	1
Ethyl Chloride	1.0	U	1.0	0.37	ug/L			09/24/16 19:40	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/24/16 19:40	1
Freon TF	1.0	U	1.0	0.34	ug/L			09/24/16 19:40	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			09/24/16 19:40	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			09/24/16 19:40	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			09/24/16 19:40	1
Methylene Chloride	1.0	U	1.0	0.21	ug/L			09/24/16 19:40	1
MTBE	1.0	U	1.0	0.13	ug/L			09/24/16 19:40	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			09/24/16 19:40	1
o-Xylene	1.0	U	1.0	0.32	ug/L			09/24/16 19:40	1
p-Dioxane	50	U	50	8.7	ug/L			09/24/16 19:40	1
Styrene	1.0	U	1.0	0.17	ug/L			09/24/16 19:40	1
TBA	10	U	10	1.2	ug/L			09/24/16 19:40	1
Tetrachloroethene	**7.2**		1.0	0.12	ug/L			09/24/16 19:40	1
Toluene	1.0	U	1.0	0.25	ug/L			09/24/16 19:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			09/24/16 19:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/24/16 19:40	1
Trichloroethene	**0.79**	**J**	1.0	0.22	ug/L			09/24/16 19:40	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			09/24/16 19:40	1
Vinyl chloride	**8.1**		1.0	0.060	ug/L			09/24/16 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*48 - 130*		*09/24/16 19:40*	*1*
Bromofluorobenzene	*84*		*71 - 131*		*09/24/16 19:40*	*1*
Dibromofluoromethane (Surr)	*84*		*80 - 120*		*09/24/16 19:40*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/24/16 19:40*	*1*

Client Sample ID: MW-9C
Lab Sample ID: 460-120424-4

Date Collected: 09/15/16 12:17
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			09/24/16 19:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			09/24/16 19:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			09/24/16 19:13	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/24/16 19:13	1

Client Sample ID: MW-9C
Date Collected: 09/15/16 12:17
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-4
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			09/24/16 19:13	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			09/24/16 19:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/24/16 19:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			09/24/16 19:13	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/24/16 19:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			09/24/16 19:13	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/24/16 19:13	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/24/16 19:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/24/16 19:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/24/16 19:13	1
2-Butanone	5.0	U	5.0	2.2	ug/L			09/24/16 19:13	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			09/24/16 19:13	1
4-Methyl-2-pentanone	5.0	U	5.0	0.63	ug/L			09/24/16 19:13	1
Acetone	5.0	U	5.0	1.1	ug/L			09/24/16 19:13	1
Benzene	1.0	U	1.0	0.090	ug/L			09/24/16 19:13	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/24/16 19:13	1
Bromoform	1.0	U	1.0	0.18	ug/L			09/24/16 19:13	1
Bromomethane	1.0	U	1.0	0.18	ug/L			09/24/16 19:13	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			09/24/16 19:13	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			09/24/16 19:13	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			09/24/16 19:13	1
Chloroform	1.0	U	1.0	0.22	ug/L			09/24/16 19:13	1
Chloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 19:13	1
cis-1,2-Dichloroethene	**35**	*	1.0	0.26	ug/L			09/24/16 19:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			09/24/16 19:13	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			09/24/16 19:13	1
Dibromochloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 19:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			09/24/16 19:13	1
Ethyl Chloride	1.0	U	1.0	0.37	ug/L			09/24/16 19:13	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/24/16 19:13	1
Freon TF	1.0	U	1.0	0.34	ug/L			09/24/16 19:13	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			09/24/16 19:13	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			09/24/16 19:13	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			09/24/16 19:13	1
Methylene Chloride	1.0	U	1.0	0.21	ug/L			09/24/16 19:13	1
MTBE	1.0	U	1.0	0.13	ug/L			09/24/16 19:13	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			09/24/16 19:13	1
o-Xylene	1.0	U	1.0	0.32	ug/L			09/24/16 19:13	1
p-Dioxane	50	U	50	8.7	ug/L			09/24/16 19:13	1
Styrene	1.0	U	1.0	0.17	ug/L			09/24/16 19:13	1
TBA	10	U	10	1.2	ug/L			09/24/16 19:13	1
Tetrachloroethene	**7.7**		1.0	0.12	ug/L			09/24/16 19:13	1
Toluene	1.0	U	1.0	0.25	ug/L			09/24/16 19:13	1
trans-1,2-Dichloroethene	**0.50**	J	1.0	0.18	ug/L			09/24/16 19:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/24/16 19:13	1
Trichloroethene	**3.4**		1.0	0.22	ug/L			09/24/16 19:13	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			09/24/16 19:13	1
Vinyl chloride	**5.5**		1.0	0.060	ug/L			09/24/16 19:13	1

Client Sample ID: MW-9C

Date Collected: 09/15/16 12:17
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*48 - 130*		*09/24/16 19:13*	*1*
Bromofluorobenzene	*84*		*71 - 131*		*09/24/16 19:13*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*09/24/16 19:13*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/24/16 19:13*	*1*

Client Sample ID: MW-9D

Date Collected: 09/15/16 12:30
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-5

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.56	ug/L			09/24/16 20:34	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.38	ug/L			09/24/16 20:34	2
1,1,2-Trichloroethane	2.0	U	2.0	0.16	ug/L			09/24/16 20:34	2
1,1-Dichloroethane	2.0	U	2.0	0.48	ug/L			09/24/16 20:34	2
1,1-Dichloroethene	2.0	U	2.0	0.68	ug/L			09/24/16 20:34	2
1,2,3-Trichlorobenzene	2.0	U	2.0	0.70	ug/L			09/24/16 20:34	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.54	ug/L			09/24/16 20:34	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.46	ug/L			09/24/16 20:34	2
1,2-Dibromoethane	2.0	U	2.0	0.38	ug/L			09/24/16 20:34	2
1,2-Dichlorobenzene	2.0	U	2.0	0.44	ug/L			09/24/16 20:34	2
1,2-Dichloroethane	2.0	U	2.0	0.50	ug/L			09/24/16 20:34	2
1,2-Dichloropropane	2.0	U	2.0	0.36	ug/L			09/24/16 20:34	2
1,3-Dichlorobenzene	2.0	U	2.0	0.66	ug/L			09/24/16 20:34	2
1,4-Dichlorobenzene	2.0	U	2.0	0.66	ug/L			09/24/16 20:34	2
2-Butanone	10	U	10	4.4	ug/L			09/24/16 20:34	2
2-Hexanone	10	U	10	1.4	ug/L			09/24/16 20:34	2
4-Methyl-2-pentanone	10	U	10	1.3	ug/L			09/24/16 20:34	2
Acetone	10	U	10	2.1	ug/L			09/24/16 20:34	2
Benzene	2.0	U	2.0	0.18	ug/L			09/24/16 20:34	2
Bromodichloromethane	2.0	U	2.0	0.30	ug/L			09/24/16 20:34	2
Bromoform	2.0	U	2.0	0.36	ug/L			09/24/16 20:34	2
Bromomethane	2.0	U	2.0	0.36	ug/L			09/24/16 20:34	2
Carbon disulfide	2.0	U	2.0	0.44	ug/L			09/24/16 20:34	2
Carbon tetrachloride	2.0	U	2.0	0.66	ug/L			09/24/16 20:34	2
Chlorobenzene	2.0	U	2.0	0.48	ug/L			09/24/16 20:34	2
Chloroform	2.0	U	2.0	0.44	ug/L			09/24/16 20:34	2
Chloromethane	2.0	U	2.0	0.44	ug/L			09/24/16 20:34	2
cis-1,2-Dichloroethene	**450**	*	2.0	0.52	ug/L			09/24/16 20:34	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.32	ug/L			09/24/16 20:34	2
Cyclohexane	2.0	U	2.0	0.52	ug/L			09/24/16 20:34	2
Dibromochloromethane	2.0	U	2.0	0.44	ug/L			09/24/16 20:34	2
Dichlorodifluoromethane	2.0	U	2.0	0.28	ug/L			09/24/16 20:34	2
Ethyl Chloride	2.0	U	2.0	0.74	ug/L			09/24/16 20:34	2
Ethylbenzene	2.0	U	2.0	0.60	ug/L			09/24/16 20:34	2
Freon TF	2.0	U	2.0	0.68	ug/L			09/24/16 20:34	2
Isopropylbenzene	2.0	U	2.0	0.64	ug/L			09/24/16 20:34	2
Methyl acetate	10	U	10	1.2	ug/L			09/24/16 20:34	2
Methylcyclohexane	2.0	U	2.0	0.44	ug/L			09/24/16 20:34	2
Methylene Chloride	2.0	U	2.0	0.42	ug/L			09/24/16 20:34	2

Client Sample ID: MW-9D

Date Collected: 09/15/16 12:30
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-5

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MTBE	2.0	U	2.0	0.26	ug/L			09/24/16 20:34	2
m-Xylene & p-Xylene	2.0	U	2.0	0.56	ug/L			09/24/16 20:34	2
o-Xylene	2.0	U	2.0	0.64	ug/L			09/24/16 20:34	2
p-Dioxane	100	U	100	17	ug/L			09/24/16 20:34	2
Styrene	2.0	U	2.0	0.34	ug/L			09/24/16 20:34	2
TBA	20	U	20	2.4	ug/L			09/24/16 20:34	2
Tetrachloroethene	**200**		2.0	0.24	ug/L			09/24/16 20:34	2
Toluene	2.0	U	2.0	0.50	ug/L			09/24/16 20:34	2
trans-1,2-Dichloroethene	**2.8**		2.0	0.36	ug/L			09/24/16 20:34	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.38	ug/L			09/24/16 20:34	2
Trichloroethene	**38**		2.0	0.44	ug/L			09/24/16 20:34	2
Trichlorofluoromethane	2.0	U	2.0	0.30	ug/L			09/24/16 20:34	2
Vinyl chloride	**27**		2.0	0.12	ug/L			09/24/16 20:34	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*48 - 130*		*09/24/16 20:34*	*2*
Bromofluorobenzene	*83*		*71 - 131*		*09/24/16 20:34*	*2*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*09/24/16 20:34*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/24/16 20:34*	*2*

Client Sample ID: MW-9F

Date Collected: 09/15/16 12:45
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-6

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			09/23/16 01:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			09/23/16 01:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			09/23/16 01:02	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/23/16 01:02	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			09/23/16 01:02	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			09/23/16 01:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/23/16 01:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			09/23/16 01:02	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/23/16 01:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			09/23/16 01:02	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/23/16 01:02	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/23/16 01:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/23/16 01:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/23/16 01:02	1
2-Butanone	5.0	U	5.0	2.2	ug/L			09/23/16 01:02	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			09/23/16 01:02	1
4-Methyl-2-pentanone	5.0	U	5.0	0.63	ug/L			09/23/16 01:02	1
Acetone	5.0	U	5.0	1.1	ug/L			09/23/16 01:02	1
Benzene	1.0	U	1.0	0.090	ug/L			09/23/16 01:02	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/23/16 01:02	1
Bromoform	1.0	U	1.0	0.18	ug/L			09/23/16 01:02	1
Bromomethane	1.0	U	1.0	0.18	ug/L			09/23/16 01:02	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			09/23/16 01:02	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			09/23/16 01:02	1

Client Sample ID: MW-9F
Lab Sample ID: 460-120424-6

Date Collected: 09/15/16 12:45
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.24	ug/L			09/23/16 01:02	1
Chloroform	1.0	U	1.0	0.22	ug/L			09/23/16 01:02	1
Chloromethane	1.0	U	1.0	0.22	ug/L			09/23/16 01:02	1
cis-1,2-Dichloroethene	**4.6**		1.0	0.26	ug/L			09/23/16 01:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			09/23/16 01:02	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			09/23/16 01:02	1
Dibromochloromethane	1.0	U	1.0	0.22	ug/L			09/23/16 01:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			09/23/16 01:02	1
Ethyl Chloride	1.0	U	1.0	0.37	ug/L			09/23/16 01:02	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/23/16 01:02	1
Freon TF	1.0	U	1.0	0.34	ug/L			09/23/16 01:02	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			09/23/16 01:02	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			09/23/16 01:02	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			09/23/16 01:02	1
Methylene Chloride	1.0	U	1.0	0.21	ug/L			09/23/16 01:02	1
MTBE	**0.16**	**J**	1.0	0.13	ug/L			09/23/16 01:02	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			09/23/16 01:02	1
o-Xylene	1.0	U	1.0	0.32	ug/L			09/23/16 01:02	1
p-Dioxane	50	U	50	8.7	ug/L			09/23/16 01:02	1
Styrene	1.0	U	1.0	0.17	ug/L			09/23/16 01:02	1
TBA	10	U	10	1.2	ug/L			09/23/16 01:02	1
Tetrachloroethene	**0.80**	**J**	1.0	0.12	ug/L			09/23/16 01:02	1
Toluene	**0.34**	**J**	1.0	0.25	ug/L			09/23/16 01:02	1
trans-1,2-Dichloroethene	**0.21**	**J**	1.0	0.18	ug/L			09/23/16 01:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/23/16 01:02	1
Trichloroethene	**0.34**	**J**	1.0	0.22	ug/L			09/23/16 01:02	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			09/23/16 01:02	1
Vinyl chloride	**7.3**		1.0	0.060	ug/L			09/23/16 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*48 - 130*		*09/23/16 01:02*	*1*
Bromofluorobenzene	*91*		*71 - 131*		*09/23/16 01:02*	*1*
Dibromofluoromethane (Surr)	*123*	*	*80 - 120*		*09/23/16 01:02*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/23/16 01:02*	*1*

Client Sample ID: MW-9G
Lab Sample ID: 460-120424-7

Date Collected: 09/15/16 13:01
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	20	U	20	5.6	ug/L			09/24/16 21:01	20
1,1,2,2-Tetrachloroethane	20	U	20	3.8	ug/L			09/24/16 21:01	20
1,1,2-Trichloroethane	20	U	20	1.6	ug/L			09/24/16 21:01	20
1,1-Dichloroethane	20	U	20	4.8	ug/L			09/24/16 21:01	20
1,1-Dichloroethene	20	U	20	6.8	ug/L			09/24/16 21:01	20
1,2,3-Trichlorobenzene	20	U	20	7.0	ug/L			09/24/16 21:01	20
1,2,4-Trichlorobenzene	20	U	20	5.4	ug/L			09/24/16 21:01	20
1,2-Dibromo-3-Chloropropane	20	U	20	4.6	ug/L			09/24/16 21:01	20
1,2-Dibromoethane	20	U	20	3.8	ug/L			09/24/16 21:01	20

Client Sample ID: MW-9G
Date Collected: 09/15/16 13:01
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-7
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	20	U	20	4.4	ug/L			09/24/16 21:01	20
1,2-Dichloroethane	20	U	20	5.0	ug/L			09/24/16 21:01	20
1,2-Dichloropropane	20	U	20	3.6	ug/L			09/24/16 21:01	20
1,3-Dichlorobenzene	20	U	20	6.6	ug/L			09/24/16 21:01	20
1,4-Dichlorobenzene	20	U	20	6.6	ug/L			09/24/16 21:01	20
2-Butanone	100	U	100	44	ug/L			09/24/16 21:01	20
2-Hexanone	100	U	100	14	ug/L			09/24/16 21:01	20
4-Methyl-2-pentanone	100	U	100	13	ug/L			09/24/16 21:01	20
Acetone	100	U	100	21	ug/L			09/24/16 21:01	20
Benzene	20	U	20	1.8	ug/L			09/24/16 21:01	20
Bromodichloromethane	20	U	20	3.0	ug/L			09/24/16 21:01	20
Bromoform	20	U	20	3.6	ug/L			09/24/16 21:01	20
Bromomethane	20	U	20	3.6	ug/L			09/24/16 21:01	20
Carbon disulfide	20	U	20	4.4	ug/L			09/24/16 21:01	20
Carbon tetrachloride	20	U	20	6.6	ug/L			09/24/16 21:01	20
Chlorobenzene	20	U	20	4.8	ug/L			09/24/16 21:01	20
Chloroform	20	U	20	4.4	ug/L			09/24/16 21:01	20
Chloromethane	20	U	20	4.4	ug/L			09/24/16 21:01	20
cis-1,2-Dichloroethene	**2800**	*	20	5.2	ug/L			09/24/16 21:01	20
cis-1,3-Dichloropropene	20	U	20	3.2	ug/L			09/24/16 21:01	20
Cyclohexane	20	U	20	5.2	ug/L			09/24/16 21:01	20
Dibromochloromethane	20	U	20	4.4	ug/L			09/24/16 21:01	20
Dichlorodifluoromethane	20	U	20	2.8	ug/L			09/24/16 21:01	20
Ethyl Chloride	20	U	20	7.4	ug/L			09/24/16 21:01	20
Ethylbenzene	20	U	20	6.0	ug/L			09/24/16 21:01	20
Freon TF	20	U	20	6.8	ug/L			09/24/16 21:01	20
Isopropylbenzene	20	U	20	6.4	ug/L			09/24/16 21:01	20
Methyl acetate	100	U	100	12	ug/L			09/24/16 21:01	20
Methylcyclohexane	20	U	20	4.4	ug/L			09/24/16 21:01	20
Methylene Chloride	20	U	20	4.2	ug/L			09/24/16 21:01	20
MTBE	20	U	20	2.6	ug/L			09/24/16 21:01	20
m-Xylene & p-Xylene	20	U	20	5.6	ug/L			09/24/16 21:01	20
o-Xylene	20	U	20	6.4	ug/L			09/24/16 21:01	20
p-Dioxane	1000	U	1000	170	ug/L			09/24/16 21:01	20
Styrene	20	U	20	3.4	ug/L			09/24/16 21:01	20
TBA	200	U	200	24	ug/L			09/24/16 21:01	20
Tetrachloroethene	**11**	J	20	2.4	ug/L			09/24/16 21:01	20
Toluene	20	U	20	5.0	ug/L			09/24/16 21:01	20
trans-1,2-Dichloroethene	**19**	J	20	3.6	ug/L			09/24/16 21:01	20
trans-1,3-Dichloropropene	20	U	20	3.8	ug/L			09/24/16 21:01	20
Trichloroethene	**4.5**	J	20	4.4	ug/L			09/24/16 21:01	20
Trichlorofluoromethane	20	U	20	3.0	ug/L			09/24/16 21:01	20
Vinyl chloride	**1200**		20	1.2	ug/L			09/24/16 21:01	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*48 - 130*		*09/24/16 21:01*	*20*
Bromofluorobenzene	*79*		*71 - 131*		*09/24/16 21:01*	*20*
Dibromofluoromethane (Surr)	*84*		*80 - 120*		*09/24/16 21:01*	*20*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/24/16 21:01*	*20*

Client Sample ID: MW-9H
Date Collected: 09/15/16 13:25
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-8
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	1.4	ug/L			09/24/16 23:42	5
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.95	ug/L			09/24/16 23:42	5
1,1,2-Trichloroethane	5.0	U	5.0	0.40	ug/L			09/24/16 23:42	5
1,1-Dichloroethane	5.0	U	5.0	1.2	ug/L			09/24/16 23:42	5
1,1-Dichloroethene	5.0	U	5.0	1.7	ug/L			09/24/16 23:42	5
1,2,3-Trichlorobenzene	5.0	U	5.0	1.8	ug/L			09/24/16 23:42	5
1,2,4-Trichlorobenzene	5.0	U	5.0	1.4	ug/L			09/24/16 23:42	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.2	ug/L			09/24/16 23:42	5
1,2-Dibromoethane	5.0	U	5.0	0.95	ug/L			09/24/16 23:42	5
1,2-Dichlorobenzene	5.0	U	5.0	1.1	ug/L			09/24/16 23:42	5
1,2-Dichloroethane	5.0	U	5.0	1.3	ug/L			09/24/16 23:42	5
1,2-Dichloropropane	5.0	U	5.0	0.90	ug/L			09/24/16 23:42	5
1,3-Dichlorobenzene	5.0	U	5.0	1.7	ug/L			09/24/16 23:42	5
1,4-Dichlorobenzene	5.0	U	5.0	1.7	ug/L			09/24/16 23:42	5
2-Butanone	25	U	25	11	ug/L			09/24/16 23:42	5
2-Hexanone	25	U	25	3.6	ug/L			09/24/16 23:42	5
4-Methyl-2-pentanone	25	U	25	3.2	ug/L			09/24/16 23:42	5
Acetone	25	U	25	5.4	ug/L			09/24/16 23:42	5
Benzene	5.0	U	5.0	0.45	ug/L			09/24/16 23:42	5
Bromodichloromethane	5.0	U	5.0	0.75	ug/L			09/24/16 23:42	5
Bromoform	5.0	U	5.0	0.90	ug/L			09/24/16 23:42	5
Bromomethane	5.0	U	5.0	0.90	ug/L			09/24/16 23:42	5
Carbon disulfide	5.0	U	5.0	1.1	ug/L			09/24/16 23:42	5
Carbon tetrachloride	5.0	U	5.0	1.7	ug/L			09/24/16 23:42	5
Chlorobenzene	5.0	U	5.0	1.2	ug/L			09/24/16 23:42	5
Chloroform	5.0	U	5.0	1.1	ug/L			09/24/16 23:42	5
Chloromethane	5.0	U	5.0	1.1	ug/L			09/24/16 23:42	5
cis-1,2-Dichloroethene	**140**	*	5.0	1.3	ug/L			09/24/16 23:42	5
cis-1,3-Dichloropropene	5.0	U	5.0	0.80	ug/L			09/24/16 23:42	5
Cyclohexane	5.0	U	5.0	1.3	ug/L			09/24/16 23:42	5
Dibromochloromethane	5.0	U	5.0	1.1	ug/L			09/24/16 23:42	5
Dichlorodifluoromethane	5.0	U	5.0	0.70	ug/L			09/24/16 23:42	5
Ethyl Chloride	5.0	U	5.0	1.9	ug/L			09/24/16 23:42	5
Ethylbenzene	5.0	U	5.0	1.5	ug/L			09/24/16 23:42	5
Freon TF	5.0	U	5.0	1.7	ug/L			09/24/16 23:42	5
Isopropylbenzene	5.0	U	5.0	1.6	ug/L			09/24/16 23:42	5
Methyl acetate	25	U	25	2.9	ug/L			09/24/16 23:42	5
Methylcyclohexane	**2.0**	**J**	5.0	1.1	ug/L			09/24/16 23:42	5
Methylene Chloride	5.0	U	5.0	1.1	ug/L			09/24/16 23:42	5
MTBE	5.0	U	5.0	0.65	ug/L			09/24/16 23:42	5
m-Xylene & p-Xylene	5.0	U	5.0	1.4	ug/L			09/24/16 23:42	5
o-Xylene	5.0	U	5.0	1.6	ug/L			09/24/16 23:42	5
p-Dioxane	250	U	250	44	ug/L			09/24/16 23:42	5
Styrene	5.0	U	5.0	0.85	ug/L			09/24/16 23:42	5
TBA	50	U	50	6.0	ug/L			09/24/16 23:42	5
Tetrachloroethene	**1300**		5.0	0.60	ug/L			09/24/16 23:42	5
Toluene	5.0	U	5.0	1.3	ug/L			09/24/16 23:42	5
trans-1,2-Dichloroethene	**1.3**	**J**	5.0	0.90	ug/L			09/24/16 23:42	5
trans-1,3-Dichloropropene	5.0	U	5.0	0.95	ug/L			09/24/16 23:42	5

Client Sample ID: MW-9H

Date Collected: 09/15/16 13:25
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-8

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**220**		5.0	1.1	ug/L			09/24/16 23:42	5
Trichlorofluoromethane	5.0	U	5.0	0.75	ug/L			09/24/16 23:42	5
Vinyl chloride	**3.7**	**J**	5.0	0.30	ug/L			09/24/16 23:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*48 - 130*		*09/24/16 23:42*	*5*
Bromofluorobenzene	*83*		*71 - 131*		*09/24/16 23:42*	*5*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*09/24/16 23:42*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/24/16 23:42*	*5*

Client Sample ID: 2016-09-15_FIELD_BLANK

Date Collected: 09/15/16 13:00
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-9

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			09/24/16 18:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			09/24/16 18:46	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			09/24/16 18:46	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/24/16 18:46	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			09/24/16 18:46	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			09/24/16 18:46	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/24/16 18:46	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			09/24/16 18:46	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/24/16 18:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			09/24/16 18:46	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/24/16 18:46	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/24/16 18:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/24/16 18:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/24/16 18:46	1
2-Butanone	**38**		5.0	2.2	ug/L			09/24/16 18:46	1
2-Hexanone	**1.9**	**J**	5.0	0.72	ug/L			09/24/16 18:46	1
4-Methyl-2-pentanone	5.0	U	5.0	0.63	ug/L			09/24/16 18:46	1
Acetone	**16**		5.0	1.1	ug/L			09/24/16 18:46	1
Benzene	1.0	U	1.0	0.090	ug/L			09/24/16 18:46	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/24/16 18:46	1
Bromoform	1.0	U	1.0	0.18	ug/L			09/24/16 18:46	1
Bromomethane	1.0	U	1.0	0.18	ug/L			09/24/16 18:46	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			09/24/16 18:46	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			09/24/16 18:46	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			09/24/16 18:46	1
Chloroform	1.0	U	1.0	0.22	ug/L			09/24/16 18:46	1
Chloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 18:46	1
cis-1,2-Dichloroethene	1.0	U *	1.0	0.26	ug/L			09/24/16 18:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			09/24/16 18:46	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			09/24/16 18:46	1
Dibromochloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 18:46	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			09/24/16 18:46	1
Ethyl Chloride	1.0	U	1.0	0.37	ug/L			09/24/16 18:46	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/24/16 18:46	1

Client Sample ID: 2016-09-15_FIELD_BLANK

Lab Sample ID: 460-120424-9

Date Collected: 09/15/16 13:00
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon TF	1.0	U	1.0	0.34	ug/L			09/24/16 18:46	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			09/24/16 18:46	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			09/24/16 18:46	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			09/24/16 18:46	1
Methylene Chloride	**0.39**	**J**	1.0	0.21	ug/L			09/24/16 18:46	1
MTBE	1.0	U	1.0	0.13	ug/L			09/24/16 18:46	1
m-Xylene & p-Xylene	**0.47**	**J**	1.0	0.28	ug/L			09/24/16 18:46	1
o-Xylene	1.0	U	1.0	0.32	ug/L			09/24/16 18:46	1
p-Dioxane	50	U	50	8.7	ug/L			09/24/16 18:46	1
Styrene	1.0	U	1.0	0.17	ug/L			09/24/16 18:46	1
TBA	**62**		10	1.2	ug/L			09/24/16 18:46	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			09/24/16 18:46	1
Toluene	1.0	U	1.0	0.25	ug/L			09/24/16 18:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			09/24/16 18:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/24/16 18:46	1
Trichloroethene	1.0	U	1.0	0.22	ug/L			09/24/16 18:46	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			09/24/16 18:46	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			09/24/16 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*48 - 130*		*09/24/16 18:46*	*1*
Bromofluorobenzene	*85*		*71 - 131*		*09/24/16 18:46*	*1*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*09/24/16 18:46*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/24/16 18:46*	*1*

Client Sample ID: 2016-09-15_TRIP_BLANK

Lab Sample ID: 460-120424-10

Date Collected: 09/15/16 00:00
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			09/22/16 23:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			09/22/16 23:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			09/22/16 23:15	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/22/16 23:15	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			09/22/16 23:15	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			09/22/16 23:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/22/16 23:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			09/22/16 23:15	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/22/16 23:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.22	ug/L			09/22/16 23:15	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/22/16 23:15	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/22/16 23:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/22/16 23:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/22/16 23:15	1
2-Butanone	5.0	U	5.0	2.2	ug/L			09/22/16 23:15	1
2-Hexanone	5.0	U	5.0	0.72	ug/L			09/22/16 23:15	1
4-Methyl-2-pentanone	5.0	U	5.0	0.63	ug/L			09/22/16 23:15	1
Acetone	5.0	U	5.0	1.1	ug/L			09/22/16 23:15	1
Benzene	1.0	U	1.0	0.090	ug/L			09/22/16 23:15	1

Client Sample ID: 2016-09-15_TRIP_BLANK
Lab Sample ID: 460-120424-10

Date Collected: 09/15/16 00:00
Matrix: Water
Date Received: 09/16/16 19:10

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/22/16 23:15	1
Bromoform	1.0	U	1.0	0.18	ug/L			09/22/16 23:15	1
Bromomethane	1.0	U	1.0	0.18	ug/L			09/22/16 23:15	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			09/22/16 23:15	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			09/22/16 23:15	1
Chlorobenzene	1.0	U	1.0	0.24	ug/L			09/22/16 23:15	1
Chloroform	1.0	U	1.0	0.22	ug/L			09/22/16 23:15	1
Chloromethane	1.0	U	1.0	0.22	ug/L			09/22/16 23:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/22/16 23:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			09/22/16 23:15	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			09/22/16 23:15	1
Dibromochloromethane	1.0	U	1.0	0.22	ug/L			09/22/16 23:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			09/22/16 23:15	1
Ethyl Chloride	1.0	U	1.0	0.37	ug/L			09/22/16 23:15	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/22/16 23:15	1
Freon TF	1.0	U	1.0	0.34	ug/L			09/22/16 23:15	1
Isopropylbenzene	1.0	U	1.0	0.32	ug/L			09/22/16 23:15	1
Methyl acetate	5.0	U	5.0	0.58	ug/L			09/22/16 23:15	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			09/22/16 23:15	1
Methylene Chloride	**0.73**	**J**	1.0	0.21	ug/L			09/22/16 23:15	1
MTBE	1.0	U	1.0	0.13	ug/L			09/22/16 23:15	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			09/22/16 23:15	1
o-Xylene	1.0	U	1.0	0.32	ug/L			09/22/16 23:15	1
p-Dioxane	50	U	50	8.7	ug/L			09/22/16 23:15	1
Styrene	1.0	U	1.0	0.17	ug/L			09/22/16 23:15	1
TBA	10	U	10	1.2	ug/L			09/22/16 23:15	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			09/22/16 23:15	1
Toluene	1.0	U	1.0	0.25	ug/L			09/22/16 23:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			09/22/16 23:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/22/16 23:15	1
Trichloroethene	1.0	U	1.0	0.22	ug/L			09/22/16 23:15	1
Trichlorofluoromethane	1.0	U	1.0	0.15	ug/L			09/22/16 23:15	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			09/22/16 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*48 - 130*		*09/22/16 23:15*	*1*
Bromofluorobenzene	*91*		*71 - 131*		*09/22/16 23:15*	*1*
Dibromofluoromethane (Surr)	*123*	*	*80 - 120*		*09/22/16 23:15*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/22/16 23:15*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - Oceanside3180; Site: 130066

TestAmerica Job ID: 460-120424-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (48-130)	BFB (71-131)	DBFM (80-120)	TOL (80-120)
460-120424-1	MW-3	85	83	84	99
460-120424-2	EW-1	86	79	84	96
460-120424-3	MW-9B	85	84	84	102
460-120424-4	MW-9C	88	84	89	98
460-120424-5	MW-9D	89	83	89	99
460-120424-6	MW-9F	126	91	123 *	104
460-120424-6 MS	MW-9F	122	86	112	106
460-120424-6 MSD	MW-9F	120	89	109	102
460-120424-7	MW-9G	86	79	84	96
460-120424-7 MS	MW-9G	82	88	82	99
460-120424-7 MSD	MW-9G	83	89	82	99
460-120424-8	MW-9H	88	83	87	100
460-120424-9	2016-09-15_FIELD_BLANK	85	85	86	100
460-120424-10	2016-09-15_TRIP_BLANK	122	91	123 *	106
LCS 460-392122/4	Lab Control Sample	112	115	120	103
LCS 460-392649/3	Lab Control Sample	87	93	81	102
MB 460-392122/8	Method Blank	107	105	113	98
MB 460-392649/7	Method Blank	87	86	85	102

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-392122/8
Matrix: Water
Analysis Batch: 392122

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			09/22/16 11:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			09/22/16 11:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			09/22/16 11:37	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/22/16 11:37	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			09/22/16 11:37	1
1,2,3-Trichloroben5ene	1.0	U	1.0	0.37	ug/L			09/22/16 11:37	1
1,2,4-Trichloroben5ene	1.0	U	1.0	0.2z	ug/L			09/22/16 11:37	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			09/22/16 11:37	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/22/16 11:37	1
1,2-Dichloroben5ene	1.0	U	1.0	0.22	ug/L			09/22/16 11:37	1
1,2-Dichloroethane	1.0	U	1.0	0.27	ug/L			09/22/16 11:37	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/22/16 11:37	1
1,3-Dichloroben5ene	1.0	U	1.0	0.33	ug/L			09/22/16 11:37	1
1,4-Dichloroben5ene	1.0	U	1.0	0.33	ug/L			09/22/16 11:37	1
2-Butanone	7.0	U	7.0	2.2	ug/L			09/22/16 11:37	1
2-Hexanone	7.0	U	7.0	0.z2	ug/L			09/22/16 11:37	1
4-Methyl-2-pentanone	7.0	U	7.0	0.63	ug/L			09/22/16 11:37	1
Acetone	7.0	U	7.0	1.1	ug/L			09/22/16 11:37	1
Ben5ene	1.0	U	1.0	0.090	ug/L			09/22/16 11:37	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/22/16 11:37	1
Bromoform	1.0	U	1.0	0.18	ug/L			09/22/16 11:37	1
Bromomethane	1.0	U	1.0	0.18	ug/L			09/22/16 11:37	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			09/22/16 11:37	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			09/22/16 11:37	1
Chloroben5ene	1.0	U	1.0	0.24	ug/L			09/22/16 11:37	1
Chloroform	1.0	U	1.0	0.22	ug/L			09/22/16 11:37	1
Chloromethane	1.0	U	1.0	0.22	ug/L			09/22/16 11:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/22/16 11:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			09/22/16 11:37	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			09/22/16 11:37	1
Dibromochloromethane	1.0	U	1.0	0.22	ug/L			09/22/16 11:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			09/22/16 11:37	1
Ethyl Chloride	1.0	U	1.0	0.3z	ug/L			09/22/16 11:37	1
Ethylben5ene	1.0	U	1.0	0.30	ug/L			09/22/16 11:37	1
Freon TF	1.0	U	1.0	0.34	ug/L			09/22/16 11:37	1
Isopropylben5ene	1.0	U	1.0	0.32	ug/L			09/22/16 11:37	1
Methyl acetate	7.0	U	7.0	0.78	ug/L			09/22/16 11:37	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			09/22/16 11:37	1
Methylene Chloride	1.0	U	1.0	0.21	ug/L			09/22/16 11:37	1
MTBE	1.0	U	1.0	0.13	ug/L			09/22/16 11:37	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			09/22/16 11:37	1
o-Xylene	1.0	U	1.0	0.32	ug/L			09/22/16 11:37	1
p-Dioxane	70	U	70	8.z	ug/L			09/22/16 11:37	1
Styrene	1.0	U	1.0	0.1z	ug/L			09/22/16 11:37	1
TBA	10	U	10	1.2	ug/L			09/22/16 11:37	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			09/22/16 11:37	1
Toluene	1.0	U	1.0	0.27	ug/L			09/22/16 11:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			09/22/16 11:37	1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-392122/8
Matrix: Water
Analysis Batch: 392122

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/22/16 11:37	1
Trichloroethene	1.0	U	1.0	0.22	ug/L			09/22/16 11:37	1
Trichlorofluoromethane	1.0	U	1.0	0.17	ug/L			09/22/16 11:37	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			09/22/16 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*48 - 130*		*09/22/16 11:35*	*1*
Bromofluorobenzene	*105*		*71 - 131*		*09/22/16 11:35*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*09/22/16 11:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/22/16 11:35*	*1*

Lab Sample ID: LCS 460-392122/4
Matrix: Water
Analysis Batch: 392122

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	23.4		ug/L		11z	72 - 162
1,1,2,2-Tetrachloroethane	20.0	16.3		ug/L		81	46 - 14z
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	72 - 170
1,1-Dichloroethane	20.0	22.6		ug/L		113	79 - 177
1,1-Dichloroethene	20.0	23.3		ug/L		116	0 - 234
1,2,3-Trichloroben5ene	20.0	21.0		ug/L		107	76 - 136
1,2,4-Trichloroben5ene	20.0	20.9		ug/L		104	64 - 124
1,2-Dibromo-3-Chloropropane	20.0	20.3		ug/L		101	48 - 129
1,2-Dibromoethane	20.0	19.4		ug/L		9z	80 - 120
1,2-Dichloroben5ene	20.0	19.1		ug/L		96	18 - 190
1,2-Dichloroethane	20.0	21.3		ug/L		106	49 - 177
1,2-Dichloropropane	20.0	22.2		ug/L		111	0 - 210
1,3-Dichloroben5ene	20.0	19.0		ug/L		97	79 - 176
1,4-Dichloroben5ene	20.0	18.7		ug/L		92	18 - 190
2-Butanone	100	112		ug/L		112	7z - 144
2-Hexanone	100	114		ug/L		114	60 - 13z
4-Methyl-2-pentanone	100	114		ug/L		114	z3 - 124
Acetone	100	9z.2		ug/L		9z	48 - 143
Ben5ene	20.0	19.3		ug/L		96	3z - 171
Bromodichloromethane	20.0	22.3		ug/L		112	37 - 177
Bromoform	20.0	20.9		ug/L		107	47 - 169
Bromomethane	20.0	16.7		ug/L		82	0 - 242
Carbon disulfide	20.0	21.3		ug/L		10z	71 - 144
Carbon tetrachloride	20.0	24.2		ug/L		121	z0 - 140
Chloroben5ene	20.0	19.4		ug/L		9z	3z - 160
Chloroform	20.0	22.7		ug/L		112	71 - 138
Chloromethane	20.0	19.7		ug/L		98	0 - 2z3
cis-1,2-Dichloroethene	20.0	22.7		ug/L		113	80 - 120
cis-1,3-Dichloropropene	20.0	18.9		ug/L		94	0 - 22z
Cyclohexane	20.0	28.1		ug/L		141	79 - 170
Dibromochloromethane	20.0	20.7		ug/L		102	73 - 149
Dichlorodifluoromethane	20.0	21.2		ug/L		106	70 - 12z

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-392122/4
Matrix: Water
Analysis Batch: 392122

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethyl Chloride	20.0	10.2		ug/L		71	14 - 230
Ethylben5ene	20.0	19.7		ug/L		98	3z - 162
Freon TF	20.0	28.z		ug/L		144	48 - 170
Isopropylben5ene	20.0	20.3		ug/L		101	80 - 120
Methyl acetate	100	91.4		ug/L		91	39 - 170
Methylcyclohexane	20.0	28.2		ug/L		141	zz - 170
Methylene Chloride	20.0	23.1		ug/L		116	0 - 221
MTBE	20.0	22.6		ug/L		113	63 - 128
m-Xylene & p-Xylene	20.0	19.8		ug/L		99	80 - 121
o-Xylene	20.0	19.6		ug/L		98	80 - 120
p-Dioxane	400	38z		ug/L		9z	z1 - 170
Styrene	20.0	20.1		ug/L		101	80 - 126
TBA	200	181		ug/L		90	60 - 126
Tetrachloroethene	20.0	22.6		ug/L		113	z8 - 121
Toluene	20.0	19.2		ug/L		96	z8 - 120
trans-1,2-Dichloroethene	20.0	22.7		ug/L		113	74 - 176
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	1z - 183
Trichloroethene	20.0	23.3		ug/L		116	z1 - 17z
Trichlorofluoromethane	20.0	27.7		ug/L		128	1z - 181
Vinyl chloride	20.0	21.1		ug/L		106	0 - 271

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*48 - 130*
Bromofluorobenzene	*115*		*71 - 131*
Dibromofluoromethane (Surr)	*120*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 460-120424-6 MS
Matrix: Water
Analysis Batch: 392122

Client Sample ID: MW-9F
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	20.0	23.z		ug/L		118	72 - 162
1,1,2,2-Tetrachloroethane	1.0	U	20.0	22.3		ug/L		112	46 - 14z
1,1,2-Trichloroethane	1.0	U	20.0	20.4		ug/L		102	72 - 170
1,1-Dichloroethane	1.0	U	20.0	24.1		ug/L		121	79 - 177
1,1-Dichloroethene	1.0	U	20.0	24.1		ug/L		120	0 - 234
1,2,3-Trichloroben5ene	1.0	U	20.0	1z.7		ug/L		8z	76 - 136
1,2,4-Trichloroben5ene	1.0	U	20.0	16.9		ug/L		84	64 - 124
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	19.3		ug/L		96	48 - 129
1,2-Dibromoethane	1.0	U	20.0	19.8		ug/L		99	80 - 120
1,2-Dichloroben5ene	1.0	U	20.0	19.8		ug/L		99	18 - 190
1,2-Dichloroethane	1.0	U	20.0	23.6		ug/L		118	49 - 177
1,2-Dichloropropane	1.0	U	20.0	24.6		ug/L		123	0 - 210
1,3-Dichloroben5ene	1.0	U	20.0	19.6		ug/L		98	79 - 176
1,4-Dichloroben5ene	1.0	U	20.0	18.8		ug/L		94	18 - 190
2-Butanone	7.0	U	100	101		ug/L		101	7z - 144
2-Hexanone	7.0	U	100	111		ug/L		111	60 - 13z

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-120424-6 MS
Matrix: Water
Analysis Batch: 392122

Client Sample ID: MW-9F
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone	7.0	U	100	112		ug/L		112	z3 - 124
Acetone	7.0	U	100	8z.7		ug/L		88	48 - 143
Ben5ene	1.0	U	20.0	21.9		ug/L		110	3z - 171
Bromodichloromethane	1.0	U	20.0	23.9		ug/L		119	37 - 177
Bromoform	1.0	U	20.0	16.0		ug/L		80	47 - 169
Bromomethane	1.0	U	20.0	17.7		ug/L		zz	0 - 242
Carbon disulfide	1.0	U	20.0	22.0		ug/L		110	71 - 144
Carbon tetrachloride	1.0	U	20.0	22.8		ug/L		114	z0 - 140
Chloroben5ene	1.0	U	20.0	19.z		ug/L		98	3z - 160
Chloroform	1.0	U	20.0	23.z		ug/L		118	71 - 138
Chloromethane	1.0	U	20.0	22.2		ug/L		111	0 - 2z3
cis-1,2-Dichloroethene	4.6		20.0	26.4		ug/L		109	80 - 120
cis-1,3-Dichloropropene	1.0	U	20.0	20.7		ug/L		103	0 - 22z
Cyclohexane	1.0	U	20.0	31.3	*	ug/L		17z	79 - 170
Dibromochloromethane	1.0	U	20.0	18.z		ug/L		94	73 - 149
Dichlorodifluoromethane	1.0	U	20.0	21.6		ug/L		108	70 - 12z
Ethyl Chloride	1.0	U	20.0	13.1		ug/L		67	14 - 230
Ethylben5ene	1.0	U	20.0	19.9		ug/L		100	3z - 162
Freon TF	1.0	U	20.0	29.0		ug/L		147	48 - 170
Isopropylben5ene	1.0	U	20.0	21.1		ug/L		107	80 - 120
Methyl acetate	7.0	U	100	86.z		ug/L		8z	39 - 170
Methylcyclohexane	1.0	U	20.0	29.3		ug/L		14z	zz - 170
Methylene Chloride	1.0	U	20.0	24.2		ug/L		121	0 - 221
MTBE	0.16	J	20.0	23.8		ug/L		118	63 - 128
m-Xylene & p-Xylene	1.0	U	20.0	20.z		ug/L		103	80 - 121
o-Xylene	1.0	U	20.0	20.2		ug/L		101	80 - 120
p-Dioxane	70	U	400	3zz		ug/L		94	z1 - 170
Styrene	1.0	U	20.0	19.7		ug/L		9z	80 - 126
TBA	10	U	200	1z2		ug/L		86	60 - 126
Tetrachloroethene	0.80	J	20.0	18.1		ug/L		8z	z8 - 121
Toluene	0.34	J	20.0	21.4		ug/L		107	z8 - 120
trans-1,2-Dichloroethene	0.21	J	20.0	23.7		ug/L		116	74 - 176
trans-1,3-Dichloropropene	1.0	U	20.0	20.7		ug/L		102	1z - 183
Trichloroethene	0.34	J	20.0	22.9		ug/L		113	z1 - 17z
Trichlorofluoromethane	1.0	U	20.0	26.8		ug/L		134	1z - 181
Vinyl chloride	z.3		20.0	28.9		ug/L		108	0 - 271

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*122*		*48 - 130*
Bromofluorobenzene	*86*		*71 - 131*
Dibromofluoromethane (Surr)	*112*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-120424-6 MSD
Matrix: Water
Analysis Batch: 392122

Client Sample ID: MW-9F
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	24.2		ug/L		121	72 - 162	2	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	21.1		ug/L		106	46 - 14z	6	30
1,1,2-Trichloroethane	1.0	U	20.0	20.4		ug/L		102	72 - 170	0	30
1,1-Dichloroethane	1.0	U	20.0	23.9		ug/L		120	79 - 177	1	30
1,1-Dichloroethene	1.0	U	20.0	23.7		ug/L		118	0 - 234	2	30
1,2,3-Trichloroben5ene	1.0	U	20.0	18.1		ug/L		91	76 - 136	4	30
1,2,4-Trichloroben5ene	1.0	U	20.0	18.3		ug/L		91	64 - 124	8	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	19.9		ug/L		99	48 - 129	3	30
1,2-Dibromoethane	1.0	U	20.0	18.9		ug/L		97	80 - 120	4	30
1,2-Dichloroben5ene	1.0	U	20.0	19.6		ug/L		98	18 - 190	1	30
1,2-Dichloroethane	1.0	U	20.0	23.1		ug/L		117	49 - 177	2	30
1,2-Dichloropropane	1.0	U	20.0	23.7		ug/L		118	0 - 210	4	30
1,3-Dichloroben5ene	1.0	U	20.0	19.6		ug/L		98	79 - 176	0	30
1,4-Dichloroben5ene	1.0	U	20.0	19.1		ug/L		97	18 - 190	2	30
2-Butanone	7.0	U	100	100		ug/L		100	7z - 144	1	30
2-Hexanone	7.0	U	100	109		ug/L		109	60 - 13z	2	30
4-Methyl-2-pentanone	7.0	U	100	110		ug/L		110	z3 - 124	2	30
Acetone	7.0	U	100	83.9		ug/L		84	48 - 143	4	30
Ben5ene	1.0	U	20.0	21.3		ug/L		10z	3z - 171	3	30
Bromodichloromethane	1.0	U	20.0	23.3		ug/L		116	37 - 177	3	30
Bromoform	1.0	U	20.0	17.3		ug/L		z6	47 - 169	7	30
Bromomethane	1.0	U	20.0	1z.0		ug/L		87	0 - 242	9	30
Carbon disulfide	1.0	U	20.0	21.7		ug/L		10z	71 - 144	2	30
Carbon tetrachloride	1.0	U	20.0	22.2		ug/L		111	z0 - 140	3	30
Chloroben5ene	1.0	U	20.0	19.0		ug/L		97	3z - 160	3	30
Chloroform	1.0	U	20.0	23.4		ug/L		11z	71 - 138	1	30
Chloromethane	1.0	U	20.0	21.8		ug/L		109	0 - 2z3	2	30
cis-1,2-Dichloroethene	4.6		20.0	26.2		ug/L		108	80 - 120	0	30
cis-1,3-Dichloropropene	1.0	U	20.0	19.6		ug/L		98	0 - 22z	7	30
Cyclohexane	1.0	U	20.0	29.8		ug/L		149	79 - 170	7	30
Dibromochloromethane	1.0	U	20.0	18.0		ug/L		90	73 - 149	4	30
Dichlorodifluoromethane	1.0	U	20.0	20.6		ug/L		103	70 - 12z	7	30
Ethyl Chloride	1.0	U	20.0	12.z		ug/L		64	14 - 230	3	30
Ethylben5ene	1.0	U	20.0	19.z		ug/L		99	3z - 162	1	30
Freon TF	1.0	U	20.0	2z.7		ug/L		13z	48 - 170	6	30
Isopropylben5ene	1.0	U	20.0	20.6		ug/L		103	80 - 120	2	30
Methyl acetate	7.0	U	100	87.2		ug/L		87	39 - 170	2	30
Methylcyclohexane	1.0	U	20.0	28.4		ug/L		142	zz - 170	3	30
Methylene Chloride	1.0	U	20.0	23.z		ug/L		118	0 - 221	2	30
MTBE	0.16	J	20.0	23.0		ug/L		114	63 - 128	3	30
m-Xylene & p-Xylene	1.0	U	20.0	20.2		ug/L		101	80 - 121	2	30
o-Xylene	1.0	U	20.0	19.z		ug/L		99	80 - 120	2	30
p-Dioxane	70	U	400	382		ug/L		96	z1 - 170	1	30
Styrene	1.0	U	20.0	19.4		ug/L		9z	80 - 126	0	30
TBA	10	U	200	168		ug/L		84	60 - 126	3	30
Tetrachloroethene	0.80	J	20.0	1z.4		ug/L		83	z8 - 121	4	30
Toluene	0.34	J	20.0	20.6		ug/L		101	z8 - 120	4	30
trans-1,2-Dichloroethene	0.21	J	20.0	22.2		ug/L		110	74 - 176	6	30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-120424-6 MSD
Matrix: Water
Analysis Batch: 392122

Client Sample ID: MW-9F
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	1.0	U	20.0	19.6		ug/L		98	1z - 183	7	30
Trichloroethene	0.34	J	20.0	23.0		ug/L		113	z1 - 17z	0	30
Trichlorofluoromethane	1.0	U	20.0	27.6		ug/L		128	1z - 181	7	30
Vinyl chloride	z.3		20.0	28.2		ug/L		104	0 - 271	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*120*		*48 - 130*
Bromofluorobenzene	*89*		*71 - 131*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 460-392649/7
Matrix: Water
Analysis Batch: 392649

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.28	ug/L			09/24/16 09:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19	ug/L			09/24/16 09:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.080	ug/L			09/24/16 09:20	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/24/16 09:20	1
1,1-Dichloroethene	1.0	U	1.0	0.34	ug/L			09/24/16 09:20	1
1,2,3-Trichloroben5ene	1.0	U	1.0	0.37	ug/L			09/24/16 09:20	1
1,2,4-Trichloroben5ene	1.0	U	1.0	0.2z	ug/L			09/24/16 09:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23	ug/L			09/24/16 09:20	1
1,2-Dibromoethane	1.0	U	1.0	0.19	ug/L			09/24/16 09:20	1
1,2-Dichloroben5ene	1.0	U	1.0	0.22	ug/L			09/24/16 09:20	1
1,2-Dichloroethane	1.0	U	1.0	0.27	ug/L			09/24/16 09:20	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/24/16 09:20	1
1,3-Dichloroben5ene	1.0	U	1.0	0.33	ug/L			09/24/16 09:20	1
1,4-Dichloroben5ene	1.0	U	1.0	0.33	ug/L			09/24/16 09:20	1
2-Butanone	7.0	U	7.0	2.2	ug/L			09/24/16 09:20	1
2-Hexanone	7.0	U	7.0	0.z2	ug/L			09/24/16 09:20	1
4-Methyl-2-pentanone	7.0	U	7.0	0.63	ug/L			09/24/16 09:20	1
Acetone	7.0	U	7.0	1.1	ug/L			09/24/16 09:20	1
Ben5ene	1.0	U	1.0	0.090	ug/L			09/24/16 09:20	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/24/16 09:20	1
Bromoform	1.0	U	1.0	0.18	ug/L			09/24/16 09:20	1
Bromomethane	1.0	U	1.0	0.18	ug/L			09/24/16 09:20	1
Carbon disulfide	1.0	U	1.0	0.22	ug/L			09/24/16 09:20	1
Carbon tetrachloride	1.0	U	1.0	0.33	ug/L			09/24/16 09:20	1
Chloroben5ene	1.0	U	1.0	0.24	ug/L			09/24/16 09:20	1
Chloroform	1.0	U	1.0	0.22	ug/L			09/24/16 09:20	1
Chloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 09:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/24/16 09:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.16	ug/L			09/24/16 09:20	1
Cyclohexane	1.0	U	1.0	0.26	ug/L			09/24/16 09:20	1
Dibromochloromethane	1.0	U	1.0	0.22	ug/L			09/24/16 09:20	1
Dichlorodifluoromethane	1.0	U	1.0	0.14	ug/L			09/24/16 09:20	1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-392649/7
Matrix: Water
Analysis Batch: 392649

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl Chloride	1.0	U	1.0	0.3z	ug/L			09/24/16 09:20	1
Ethylben5ene	1.0	U	1.0	0.30	ug/L			09/24/16 09:20	1
Freon TF	1.0	U	1.0	0.34	ug/L			09/24/16 09:20	1
Isopropylben5ene	1.0	U	1.0	0.32	ug/L			09/24/16 09:20	1
Methyl acetate	7.0	U	7.0	0.78	ug/L			09/24/16 09:20	1
Methylcyclohexane	1.0	U	1.0	0.22	ug/L			09/24/16 09:20	1
Methylene Chloride	1.0	U	1.0	0.21	ug/L			09/24/16 09:20	1
MTBE	1.0	U	1.0	0.13	ug/L			09/24/16 09:20	1
m-Xylene & p-Xylene	1.0	U	1.0	0.28	ug/L			09/24/16 09:20	1
o-Xylene	1.0	U	1.0	0.32	ug/L			09/24/16 09:20	1
p-Dioxane	70	U	70	8.z	ug/L			09/24/16 09:20	1
Styrene	1.0	U	1.0	0.1z	ug/L			09/24/16 09:20	1
TBA	10	U	10	1.2	ug/L			09/24/16 09:20	1
Tetrachloroethene	1.0	U	1.0	0.12	ug/L			09/24/16 09:20	1
Toluene	1.0	U	1.0	0.27	ug/L			09/24/16 09:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			09/24/16 09:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/24/16 09:20	1
Trichloroethene	1.0	U	1.0	0.22	ug/L			09/24/16 09:20	1
Trichlorofluoromethane	1.0	U	1.0	0.17	ug/L			09/24/16 09:20	1
Vinyl chloride	1.0	U	1.0	0.060	ug/L			09/24/16 09:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*48 - 130*		*09/24/16 09:20*	*1*
Bromofluorobenzene	*86*		*71 - 131*		*09/24/16 09:20*	*1*
Dibromofluoromethane (Surr)	*85*		*80 - 120*		*09/24/16 09:20*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/24/16 09:20*	*1*

Lab Sample ID: LCS 460-392649/3
Matrix: Water
Analysis Batch: 392649

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	1z.6		ug/L		88	72 - 162
1,1,2,2-Tetrachloroethane	20.0	22.0		ug/L		110	46 - 14z
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	72 - 170
1,1-Dichloroethane	20.0	1z.4		ug/L		8z	79 - 177
1,1-Dichloroethene	20.0	16.7		ug/L		82	0 - 234
1,2,3-Trichloroben5ene	20.0	20.1		ug/L		101	76 - 136
1,2,4-Trichloroben5ene	20.0	19.z		ug/L		99	64 - 124
1,2-Dibromo-3-Chloropropane	20.0	21.6		ug/L		108	48 - 129
1,2-Dibromoethane	20.0	20.2		ug/L		101	80 - 120
1,2-Dichloroben5ene	20.0	21.7		ug/L		10z	18 - 190
1,2-Dichloroethane	20.0	1z.6		ug/L		88	49 - 177
1,2-Dichloropropane	20.0	16.6		ug/L		83	0 - 210
1,3-Dichloroben5ene	20.0	21.1		ug/L		106	79 - 176
1,4-Dichloroben5ene	20.0	20.7		ug/L		102	18 - 190
2-Butanone	100	80.8		ug/L		81	7z - 144
2-Hexanone	100	89.7		ug/L		89	60 - 13z

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-392649/3
Matrix: Water
Analysis Batch: 392649

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone	100	90.7		ug/L		91	z3 - 124
Acetone	100	68.8		ug/L		69	48 - 143
Ben5ene	20.0	21.4		ug/L		10z	3z - 171
Bromodichloromethane	20.0	16.9		ug/L		87	37 - 177
Bromoform	20.0	1z.2		ug/L		86	47 - 169
Bromomethane	20.0	14.3		ug/L		z2	0 - 242
Carbon disulfide	20.0	17.3		ug/L		z6	71 - 144
Carbon tetrachloride	20.0	16.8		ug/L		84	z0 - 140
Chloroben5ene	20.0	20.6		ug/L		103	3z - 160
Chloroform	20.0	1z.3		ug/L		86	71 - 138
Chloromethane	20.0	16.0		ug/L		80	0 - 2z3
cis-1,2-Dichloroethene	20.0	17.8	*	ug/L		z9	80 - 120
cis-1,3-Dichloropropene	20.0	21.6		ug/L		108	0 - 22z
Cyclohexane	20.0	20.4		ug/L		102	79 - 170
Dibromochloromethane	20.0	20.z		ug/L		103	73 - 149
Dichlorodifluoromethane	20.0	1z.0		ug/L		87	70 - 12z
Ethyl Chloride	20.0	1z.9		ug/L		89	14 - 230
Ethylben5ene	20.0	20.2		ug/L		101	3z - 162
Freon TF	20.0	19.8		ug/L		99	48 - 170
Isopropylben5ene	20.0	21.1		ug/L		106	80 - 120
Methyl acetate	100	94.7		ug/L		94	39 - 170
Methylcyclohexane	20.0	19.8		ug/L		99	zz - 170
Methylene Chloride	20.0	1z.6		ug/L		88	0 - 221
MTBE	20.0	16.9		ug/L		87	63 - 128
m-Xylene & p-Xylene	20.0	20.4		ug/L		102	80 - 121
o-Xylene	20.0	19.9		ug/L		100	80 - 120
p-Dioxane	400	381		ug/L		97	z1 - 170
Styrene	20.0	21.3		ug/L		106	80 - 126
TBA	200	18z		ug/L		94	60 - 126
Tetrachloroethene	20.0	19.6		ug/L		98	z8 - 121
Toluene	20.0	20.6		ug/L		103	z8 - 120
trans-1,2-Dichloroethene	20.0	17.6		ug/L		z8	74 - 176
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	1z - 183
Trichloroethene	20.0	16.4		ug/L		82	z1 - 17z
Trichlorofluoromethane	20.0	21.4		ug/L		10z	1z - 181
Vinyl chloride	20.0	1z.1		ug/L		86	0 - 271

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*48 - 130*
Bromofluorobenzene	*93*		*71 - 131*
Dibromofluoromethane (Surr)	*81*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-120424-7 MS
Matrix: Water
Analysis Batch: 392649

Client Sample ID: MW-9G
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20	U	400	348		ug/L		8z	72 - 162
1,1,2,2-Tetrachloroethane	20	U	400	470		ug/L		112	46 - 14z
1,1,2-Trichloroethane	20	U	400	421		ug/L		107	72 - 170
1,1-Dichloroethane	20	U	400	331		ug/L		83	79 - 177
1,1-Dichloroethene	20	U	400	301		ug/L		z7	0 - 234
1,2,3-Trichloroben5ene	20	U	400	382		ug/L		96	76 - 136
1,2,4-Trichloroben5ene	20	U	400	3z8		ug/L		94	64 - 124
1,2-Dibromo-3-Chloropropane	20	U	400	391		ug/L		98	48 - 129
1,2-Dibromoethane	20	U	400	401		ug/L		100	80 - 120
1,2-Dichloroben5ene	20	U	400	441		ug/L		110	18 - 190
1,2-Dichloroethane	20	U	400	372		ug/L		88	49 - 177
1,2-Dichloropropane	20	U	400	341		ug/L		87	0 - 210
1,3-Dichloroben5ene	20	U	400	416		ug/L		104	79 - 176
1,4-Dichloroben5ene	20	U	400	417		ug/L		104	18 - 190
2-Butanone	100	U	2000	16z0		ug/L		84	7z - 144
2-Hexanone	100	U	2000	1zz0		ug/L		89	60 - 13z
4-Methyl-2-pentanone	100	U	2000	1z90		ug/L		89	z3 - 124
Acetone	100	U	2000	1210		ug/L		60	48 - 143
Ben5ene	20	U	400	424		ug/L		106	3z - 171
Bromodichloromethane	20	U	400	376		ug/L		89	37 - 177
Bromoform	20	U	400	347		ug/L		86	47 - 169
Bromomethane	20	U	400	246		ug/L		61	0 - 242
Carbon disulfide	20	U	400	280		ug/L		z0	71 - 144
Carbon tetrachloride	20	U	400	339		ug/L		87	z0 - 140
Chloroben5ene	20	U	400	391		ug/L		98	3z - 160
Chloroform	20	U	400	344		ug/L		86	71 - 138
Chloromethane	20	U	400	290		ug/L		z3	0 - 2z3
cis-1,2-Dichloroethene	2800	*	400	3100	*	ug/L		z3	80 - 120
cis-1,3-Dichloropropene	20	U	400	402		ug/L		101	0 - 22z
Cyclohexane	20	U	400	411		ug/L		103	79 - 170
Dibromochloromethane	20	U	400	399		ug/L		100	73 - 149
Dichlorodifluoromethane	20	U	400	310		ug/L		zz	70 - 12z
Ethyl Chloride	20	U	400	49z		ug/L		124	14 - 230
Ethylben5ene	20	U	400	391		ug/L		98	3z - 162
Freon TF	20	U	400	3z8		ug/L		97	48 - 170
Isopropylben5ene	20	U	400	410		ug/L		102	80 - 120
Methyl acetate	100	U	2000	1990		ug/L		100	39 - 170
Methylcyclohexane	20	U	400	39z		ug/L		99	zz - 170
Methylene Chloride	20	U	400	321		ug/L		80	0 - 221
MTBE	20	U	400	30z		ug/L		zz	63 - 128
m-Xylene & p-Xylene	20	U	400	400		ug/L		100	80 - 121
o-Xylene	20	U	400	386		ug/L		9z	80 - 120
p-Dioxane	1000	U	8000	z890		ug/L		99	z1 - 170
Styrene	20	U	400	407		ug/L		101	80 - 126
TBA	200	U	4000	3800		ug/L		97	60 - 126
Tetrachloroethene	11	J	400	378		ug/L		8z	z8 - 121
Toluene	20	U	400	416		ug/L		104	z8 - 120
trans-1,2-Dichloroethene	19	J	400	310		ug/L		z3	74 - 176

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-120424-7 MS
Matrix: Water
Analysis Batch: 392649

Client Sample ID: MW-9G
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	20	U	400	406		ug/L		102	1z - 183
Trichloroethene	4.7	J	400	343		ug/L		87	z1 - 17z
Trichlorofluoromethane	20	U	400	389		ug/L		9z	1z - 181
Vinyl chloride	1200		400	1440		ug/L		77	0 - 271

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*48 - 130*
Bromofluorobenzene	*88*		*71 - 131*
Dibromofluoromethane (Surr)	*82*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 460-120424-7 MSD
Matrix: Water
Analysis Batch: 392649

Client Sample ID: MW-9G
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20	U	400	364		ug/L		91	72 - 162	7	30
1,1,2,2-Tetrachloroethane	20	U	400	464		ug/L		116	46 - 14z	3	30
1,1,2-Trichloroethane	20	U	400	417		ug/L		104	72 - 170	1	30
1,1-Dichloroethane	20	U	400	346		ug/L		8z	79 - 177	4	30
1,1-Dichloroethene	20	U	400	330		ug/L		83	0 - 234	9	30
1,2,3-Trichloroben5ene	20	U	400	403		ug/L		101	76 - 136	7	30
1,2,4-Trichloroben5ene	20	U	400	386		ug/L		9z	64 - 124	2	30
1,2-Dibromo-3-Chloropropane	20	U	400	429		ug/L		10z	48 - 129	9	30
1,2-Dibromoethane	20	U	400	413		ug/L		103	80 - 120	3	30
1,2-Dichloroben5ene	20	U	400	432		ug/L		108	18 - 190	2	30
1,2-Dichloroethane	20	U	400	379		ug/L		90	49 - 177	2	30
1,2-Dichloropropane	20	U	400	338		ug/L		84	0 - 210	1	30
1,3-Dichloroben5ene	20	U	400	408		ug/L		102	79 - 176	2	30
1,4-Dichloroben5ene	20	U	400	413		ug/L		103	18 - 190	0	30
2-Butanone	100	U	2000	16z0		ug/L		84	7z - 144	0	30
2-Hexanone	100	U	2000	1810		ug/L		90	60 - 13z	2	30
4-Methyl-2-pentanone	100	U	2000	1810		ug/L		90	z3 - 124	1	30
Acetone	100	U	2000	1280		ug/L		64	48 - 143	6	30
Ben5ene	20	U	400	420		ug/L		107	3z - 171	1	30
Bromodichloromethane	20	U	400	349		ug/L		8z	37 - 177	2	30
Bromoform	20	U	400	343		ug/L		86	47 - 169	1	30
Bromomethane	20	U	400	268		ug/L		6z	0 - 242	9	30
Carbon disulfide	20	U	400	300		ug/L		z7	71 - 144	z	30
Carbon tetrachloride	20	U	400	342		ug/L		87	z0 - 140	1	30
Chloroben5ene	20	U	400	391		ug/L		98	3z - 160	0	30
Chloroform	20	U	400	373		ug/L		88	71 - 138	3	30
Chloromethane	20	U	400	313		ug/L		z8	0 - 2z3	z	30
cis-1,2-Dichloroethene	2800	*	400	3220		ug/L		102	80 - 120	4	30
cis-1,3-Dichloropropene	20	U	400	393		ug/L		98	0 - 22z	2	30
Cyclohexane	20	U	400	423		ug/L		106	79 - 170	3	30
Dibromochloromethane	20	U	400	403		ug/L		101	73 - 149	1	30
Dichlorodifluoromethane	20	U	400	336		ug/L		84	70 - 12z	8	30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-120424-7 MSD
Matrix: Water
Analysis Batch: 392649

Client Sample ID: MW-9G
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethyl Chloride	20	U	400	439		ug/L		110	14 - 230	12	30
Ethylben5ene	20	U	400	402		ug/L		101	3z - 162	3	30
Freon TF	20	U	400	391		ug/L		98	48 - 170	3	30
Isopropylben5ene	20	U	400	421		ug/L		107	80 - 120	3	30
Methyl acetate	100	U	2000	1920		ug/L		96	39 - 170	4	30
Methylcyclohexane	20	U	400	399		ug/L		100	zz - 170	0	30
Methylene Chloride	20	U	400	33z		ug/L		84	0 - 221	7	30
MTBE	20	U	400	322		ug/L		81	63 - 128	7	30
m-Xylene & p-Xylene	20	U	400	404		ug/L		101	80 - 121	1	30
o-Xylene	20	U	400	400		ug/L		100	80 - 120	4	30
p-Dioxane	1000	U	8000	8320		ug/L		104	z1 - 170	7	30
Styrene	20	U	400	408		ug/L		102	80 - 126	1	30
TBA	200	U	4000	3z90		ug/L		97	60 - 126	0	30
Tetrachloroethene	11	J	400	3z9		ug/L		92	z8 - 121	6	30
Toluene	20	U	400	411		ug/L		103	z8 - 120	1	30
trans-1,2-Dichloroethene	19	J	400	333		ug/L		z8	74 - 176	z	30
trans-1,3-Dichloropropene	20	U	400	418		ug/L		107	1z - 183	3	30
Trichloroethene	4.7	J	400	331		ug/L		82	z1 - 17z	4	30
Trichlorofluoromethane	20	U	400	41z		ug/L		104	1z - 181	z	30
Vinyl chloride	1200		400	17z0		ug/L		89	0 - 271	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*		*48 - 130*
Bromofluorobenzene	*89*		*71 - 131*
Dibromofluoromethane (Surr)	*82*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
*	Surrogate is outside acceptance limits.
*	MS or MSD is outside acceptance limits.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC - Oceanside3180; Site: 130066

TestAmerica Job ID: 460-120424-1

GC/MS VOA

Analysis Batch: 392122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-120424-6	MW-9F	Total/NA	Water	624	
460-120424-10	2016-09-15_TRIP_BLANK	Total/NA	Water	624	
MB 460-392122/8	Method Blank	Total/NA	Water	624	
LCS 460-392122/4	Lab Control Sample	Total/NA	Water	624	
460-120424-6 MS	MW-9F	Total/NA	Water	624	
460-120424-6 MSD	MW-9F	Total/NA	Water	624	

Analysis Batch: 392649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-120424-1	MW-3	Total/NA	Water	624	
460-120424-2	EW-1	Total/NA	Water	624	
460-120424-3	MW-9B	Total/NA	Water	624	
460-120424-4	MW-9C	Total/NA	Water	624	
460-120424-5	MW-9D	Total/NA	Water	624	
460-120424-7	MW-9G	Total/NA	Water	624	
460-120424-8	MW-9H	Total/NA	Water	624	
460-120424-9	2016-09-15_FIELD_BLANK	Total/NA	Water	624	
MB 460-392649/7	Method Blank	Total/NA	Water	624	
LCS 460-392649/3	Lab Control Sample	Total/NA	Water	624	
460-120424-7 MS	MW-9G	Total/NA	Water	624	
460-120424-7 MSD	MW-9G	Total/NA	Water	624	

Client Sample ID: MW-3
Date Collected: 09/15/16 10:09
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	392649	09/24/16 20:07	AAT	TAL EDI

Client Sample ID: EW-1
Date Collected: 09/15/16 11:25
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	392649	09/24/16 23:15	AAT	TAL EDI

Client Sample ID: MW-9B
Date Collected: 09/15/16 12:05
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	392649	09/24/16 19:40	AAT	TAL EDI

Client Sample ID: MW-9C
Date Collected: 09/15/16 12:17
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	392649	09/24/16 19:13	AAT	TAL EDI

Client Sample ID: MW-9D
Date Collected: 09/15/16 12:30
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	392649	09/24/16 20:34	AAT	TAL EDI

Client Sample ID: MW-9F
Date Collected: 09/15/16 12:45
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	392122	09/23/16 01:02	CJM	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC - Oceanside3180; Site: 130066

TestAmerica Job ID: 460-120424-1

Client Sample ID: MW-9G
Date Collected: 09/15/16 13:01
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		20	392649	09/24/16 21:01	AAT	TAL EDI

Client Sample ID: MW-9H
Date Collected: 09/15/16 13:25
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	392649	09/24/16 23:42	AAT	TAL EDI

Client Sample ID: 2016-09-15_FIELD_BLANK
Date Collected: 09/15/16 13:00
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	392649	09/24/16 18:46	AAT	TAL EDI

Client Sample ID: 2016-09-15_TRIP_BLANK
Date Collected: 09/15/16 00:00
Date Received: 09/16/16 19:10

Lab Sample ID: 460-120424-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	392122	09/22/16 23:15	CJM	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: New York State D.E.C.
Project/Site: DEC - Oceanside3180; Site: 130066

TestAmerica Job ID: 460-120424-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,2,3-Trichlorobenzene
624		Water	1,2,4-Trichlorobenzene
624		Water	1,2-Dibromo-3-Chloropropane
624		Water	1,2-Dibromoethane
624		Water	2-Butanone
624		Water	2-Hexanone
624		Water	4-Methyl-2-pentanone
624		Water	Acetone
624		Water	Carbon disulfide
624		Water	Cyclohexane
624		Water	Freon TF
624		Water	Isopropylbenzene
624		Water	Methyl acetate
624		Water	Methylcyclohexane
624		Water	MTBE
624		Water	p-Dioxane
624		Water	TBA

Method 624

Volatile Organic Compounds (GC/MS) by Method 624

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-VMS ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-3	460-120424-1	84	85	99	83
EW-1	460-120424-2	84	86	96	79
MW-9B	460-120424-3	84	85	102	84
MW-9C	460-120424-4	89	88	98	84
MW-9D	460-120424-5	89	89	99	83
MW-9F	460-120424-6	123 *	126	104	91
MW-9G	460-120424-7	84	86	96	79
MW-9H	460-120424-8	87	88	100	83
2016-09-15_FIELD_BLANK	460-120424-9	86	85	100	85
2016-09-15_TRIP_BLANK	460-120424-10	123 *	122	106	91
	MB 460-392122/8	113	107	98	105
	MB 460-392649/7	85	87	102	86
	LCS 460-392122/4	120	112	103	115
	LCS 460-392649/3	81	87	102	93
MW-9F MS	460-120424-6 MS	112	122	106	86
MW-9G MS	460-120424-7 MS	82	82	99	88
MW-9F MSD	460-120424-6 MSD	109	120	102	89
MW-9G MSD	460-120424-7 MSD	82	83	99	89

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	48-130
TOL = Toluene-d8 (Surr)	80-120
BFB = Bromofluorobenzene	71-131

Column to be used to flag recovery values

FORM II 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60084.D

Lab ID: LCS 460-392122/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	23.4	117	52-162	
1,1,2,2-Tetrachloroethane	20.0	16.3	81	46-147	
1,1,2-Trichloroethane	20.0	19.1	96	52-150	
1,1-Dichloroethane	20.0	22.6	113	59-155	
1,1-Dichloroethene	20.0	23.3	116	0-234	
1,2,3-Trichlorobenzene	20.0	21.0	105	56-136	
1,2,4-Trichlorobenzene	20.0	20.9	104	64-124	
1,2-Dibromo-3-Chloropropane	20.0	20.3	101	48-129	
1,2-Dibromoethane	20.0	19.4	97	80-120	
1,2-Dichlorobenzene	20.0	19.1	96	18-190	
1,2-Dichloroethane	20.0	21.3	106	49-155	
1,2-Dichloropropane	20.0	22.2	111	0-210	
1,3-Dichlorobenzene	20.0	19.0	95	59-156	
1,4-Dichlorobenzene	20.0	18.5	92	18-190	
2-Butanone	100	112	112	57-144	
2-Hexanone	100	114	114	60-137	
4-Methyl-2-pentanone	100	114	114	73-124	
Acetone	100	97.2	97	48-143	
Benzene	20.0	19.3	96	37-151	
Bromodichloromethane	20.0	22.3	112	35-155	
Bromoform	20.0	20.9	105	45-169	
Bromomethane	20.0	16.5	82	0-242	
Carbon disulfide	20.0	21.3	107	51-144	
Carbon tetrachloride	20.0	24.2	121	70-140	
Chlorobenzene	20.0	19.4	97	37-160	
Chloroform	20.0	22.5	112	51-138	
Chloromethane	20.0	19.5	98	0-273	
cis-1,2-Dichloroethene	20.0	22.5	113	80-120	
cis-1,3-Dichloropropene	20.0	18.9	94	0-227	
Cyclohexane	20.0	28.1	141	59-150	
Dibromochloromethane	20.0	20.5	102	53-149	
Dichlorodifluoromethane	20.0	21.2	106	50-127	
Ethyl Chloride	20.0	10.2	51	14-230	
Ethylbenzene	20.0	19.5	98	37-162	
Freon TF	20.0	28.7	144	48-150	
Isopropylbenzene	20.0	20.3	101	80-120	
Methyl acetate	100	91.4	91	39-150	
Methylcyclohexane	20.0	28.2	141	77-150	
Methylene Chloride	20.0	23.1	116	0-221	
MTBE	20.0	22.6	113	63-128	
m-Xylene & p-Xylene	20.0	19.8	99	80-121	
o-Xylene	20.0	19.6	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60084.D

Lab ID: LCS 460-392122/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
p-Dioxane	400	387	97	71-150	
Styrene	20.0	20.1	101	80-126	
TBA	200	181	90	60-126	
Tetrachloroethene	20.0	22.6	113	78-121	
Toluene	20.0	19.2	96	78-120	
trans-1,2-Dichloroethene	20.0	22.5	113	54-156	
trans-1,3-Dichloropropene	20.0	18.8	94	17-183	
Trichloroethene	20.0	23.3	116	71-157	
Trichlorofluoromethane	20.0	25.5	128	17-181	
Vinyl chloride	20.0	21.1	106	0-251	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60172.D

Lab ID: LCS 460-392649/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	17.6	88	52-162	
1,1,2,2-Tetrachloroethane	20.0	22.0	110	46-147	
1,1,2-Trichloroethane	20.0	20.6	103	52-150	
1,1-Dichloroethane	20.0	17.4	87	59-155	
1,1-Dichloroethene	20.0	16.5	82	0-234	
1,2,3-Trichlorobenzene	20.0	20.1	101	56-136	
1,2,4-Trichlorobenzene	20.0	19.7	99	64-124	
1,2-Dibromo-3-Chloropropane	20.0	21.6	108	48-129	
1,2-Dibromoethane	20.0	20.2	101	80-120	
1,2-Dichlorobenzene	20.0	21.5	107	18-190	
1,2-Dichloroethane	20.0	17.6	88	49-155	
1,2-Dichloropropane	20.0	16.6	83	0-210	
1,3-Dichlorobenzene	20.0	21.1	106	59-156	
1,4-Dichlorobenzene	20.0	20.5	102	18-190	
2-Butanone	100	80.8	81	57-144	
2-Hexanone	100	89.5	89	60-137	
4-Methyl-2-pentanone	100	90.5	91	73-124	
Acetone	100	68.8	69	48-143	
Benzene	20.0	21.4	107	37-151	
Bromodichloromethane	20.0	16.9	85	35-155	
Bromoform	20.0	17.2	86	45-169	
Bromomethane	20.0	14.3	72	0-242	
Carbon disulfide	20.0	15.3	76	51-144	
Carbon tetrachloride	20.0	16.8	84	70-140	
Chlorobenzene	20.0	20.6	103	37-160	
Chloroform	20.0	17.3	86	51-138	
Chloromethane	20.0	16.0	80	0-273	
cis-1,2-Dichloroethene	20.0	15.8	79	80-120	*
cis-1,3-Dichloropropene	20.0	21.6	108	0-227	
Cyclohexane	20.0	20.4	102	59-150	
Dibromochloromethane	20.0	20.7	103	53-149	
Dichlorodifluoromethane	20.0	17.0	85	50-127	
Ethyl Chloride	20.0	17.9	89	14-230	
Ethylbenzene	20.0	20.2	101	37-162	
Freon TF	20.0	19.8	99	48-150	
Isopropylbenzene	20.0	21.1	106	80-120	
Methyl acetate	100	94.5	94	39-150	
Methylcyclohexane	20.0	19.8	99	77-150	
Methylene Chloride	20.0	17.6	88	0-221	
MTBE	20.0	16.9	85	63-128	
m-Xylene & p-Xylene	20.0	20.4	102	80-121	
o-Xylene	20.0	19.9	100	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60172.D

Lab ID: LCS 460-392649/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
p-Dioxane	400	381	95	71-150	
Styrene	20.0	21.3	106	80-126	
TBA	200	187	94	60-126	
Tetrachloroethene	20.0	19.6	98	78-121	
Toluene	20.0	20.6	103	78-120	
trans-1,2-Dichloroethene	20.0	15.6	78	54-156	
trans-1,3-Dichloropropene	20.0	22.0	110	17-183	
Trichloroethene	20.0	16.4	82	71-157	
Trichlorofluoromethane	20.0	21.4	107	17-181	
Vinyl chloride	20.0	17.1	86	0-251	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60105.D

Lab ID: 460-120424-6 MS Client ID: MW-9F MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	1.0 U	23.7	118	52-162	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	22.3	112	46-147	
1,1,2-Trichloroethane	20.0	1.0 U	20.4	102	52-150	
1,1-Dichloroethane	20.0	1.0 U	24.1	121	59-155	
1,1-Dichloroethene	20.0	1.0 U	24.1	120	0-234	
1,2,3-Trichlorobenzene	20.0	1.0 U	17.5	87	56-136	
1,2,4-Trichlorobenzene	20.0	1.0 U	16.9	84	64-124	
1,2-Dibromo-3-Chloropropane	20.0	1.0 U	19.3	96	48-129	
1,2-Dibromoethane	20.0	1.0 U	19.8	99	80-120	
1,2-Dichlorobenzene	20.0	1.0 U	19.8	99	18-190	
1,2-Dichloroethane	20.0	1.0 U	23.6	118	49-155	
1,2-Dichloropropane	20.0	1.0 U	24.6	123	0-210	
1,3-Dichlorobenzene	20.0	1.0 U	19.6	98	59-156	
1,4-Dichlorobenzene	20.0	1.0 U	18.8	94	18-190	
2-Butanone	100	5.0 U	101	101	57-144	
2-Hexanone	100	5.0 U	111	111	60-137	
4-Methyl-2-pentanone	100	5.0 U	112	112	73-124	
Acetone	100	5.0 U	87.5	88	48-143	
Benzene	20.0	1.0 U	21.9	110	37-151	
Bromodichloromethane	20.0	1.0 U	23.9	119	35-155	
Bromoform	20.0	1.0 U	16.0	80	45-169	
Bromomethane	20.0	1.0 U	15.5	77	0-242	
Carbon disulfide	20.0	1.0 U	22.0	110	51-144	
Carbon tetrachloride	20.0	1.0 U	22.8	114	70-140	
Chlorobenzene	20.0	1.0 U	19.7	98	37-160	
Chloroform	20.0	1.0 U	23.7	118	51-138	
Chloromethane	20.0	1.0 U	22.2	111	0-273	
cis-1,2-Dichloroethene	20.0	4.6	26.4	109	80-120	
cis-1,3-Dichloropropene	20.0	1.0 U	20.5	103	0-227	
Cyclohexane	20.0	1.0 U	31.3	157	59-150	*
Dibromochloromethane	20.0	1.0 U	18.7	94	53-149	
Dichlorodifluoromethane	20.0	1.0 U	21.6	108	50-127	
Ethyl Chloride	20.0	1.0 U	13.1	65	14-230	
Ethylbenzene	20.0	1.0 U	19.9	100	37-162	
Freon TF	20.0	1.0 U	29.0	145	48-150	
Isopropylbenzene	20.0	1.0 U	21.1	105	80-120	
Methyl acetate	100	5.0 U	86.7	87	39-150	
Methylcyclohexane	20.0	1.0 U	29.3	147	77-150	
Methylene Chloride	20.0	1.0 U	24.2	121	0-221	
MTBE	20.0	0.16 J	23.8	118	63-128	
m-Xylene & p-Xylene	20.0	1.0 U	20.7	103	80-121	
o-Xylene	20.0	1.0 U	20.2	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60105.D

Lab ID: 460-120424-6 MS Client ID: MW-9F MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
p-Dioxane	400	50 U	377	94	71-150	
Styrene	20.0	1.0 U	19.5	97	80-126	
TBA	200	10 U	172	86	60-126	
Tetrachloroethene	20.0	0.80 J	18.1	87	78-121	
Toluene	20.0	0.34 J	21.4	105	78-120	
trans-1,2-Dichloroethene	20.0	0.21 J	23.5	116	54-156	
trans-1,3-Dichloropropene	20.0	1.0 U	20.5	102	17-183	
Trichloroethene	20.0	0.34 J	22.9	113	71-157	
Trichlorofluoromethane	20.0	1.0 U	26.8	134	17-181	
Vinyl chloride	20.0	7.3	28.9	108	0-251	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60203.D

Lab ID: 460-120424-7 MS Client ID: MW-9G MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	400	20 U	348	87	52-162	
1,1,2,2-Tetrachloroethane	400	20 U	450	112	46-147	
1,1,2-Trichloroethane	400	20 U	421	105	52-150	
1,1-Dichloroethane	400	20 U	331	83	59-155	
1,1-Dichloroethene	400	20 U	301	75	0-234	
1,2,3-Trichlorobenzene	400	20 U	382	96	56-136	
1,2,4-Trichlorobenzene	400	20 U	378	94	64-124	
1,2-Dibromo-3-Chloropropane	400	20 U	391	98	48-129	
1,2-Dibromoethane	400	20 U	401	100	80-120	
1,2-Dichlorobenzene	400	20 U	441	110	18-190	
1,2-Dichloroethane	400	20 U	352	88	49-155	
1,2-Dichloropropane	400	20 U	341	85	0-210	
1,3-Dichlorobenzene	400	20 U	416	104	59-156	
1,4-Dichlorobenzene	400	20 U	415	104	18-190	
2-Butanone	2000	100 U	1670	84	57-144	
2-Hexanone	2000	100 U	1770	89	60-137	
4-Methyl-2-pentanone	2000	100 U	1790	89	73-124	
Acetone	2000	100 U	1210	60	48-143	
Benzene	400	20 U	424	106	37-151	
Bromodichloromethane	400	20 U	356	89	35-155	
Bromoform	400	20 U	345	86	45-169	
Bromomethane	400	20 U	246	61	0-242	
Carbon disulfide	400	20 U	280	70	51-144	
Carbon tetrachloride	400	20 U	339	85	70-140	
Chlorobenzene	400	20 U	391	98	37-160	
Chloroform	400	20 U	344	86	51-138	
Chloromethane	400	20 U	290	73	0-273	
cis-1,2-Dichloroethene	400	2800	3100	73	80-120	*
cis-1,3-Dichloropropene	400	20 U	402	101	0-227	
Cyclohexane	400	20 U	411	103	59-150	
Dibromochloromethane	400	20 U	399	100	53-149	
Dichlorodifluoromethane	400	20 U	310	77	50-127	
Ethyl Chloride	400	20 U	497	124	14-230	
Ethylbenzene	400	20 U	391	98	37-162	
Freon TF	400	20 U	378	95	48-150	
Isopropylbenzene	400	20 U	410	102	80-120	
Methyl acetate	2000	100 U	1990	100	39-150	
Methylcyclohexane	400	20 U	397	99	77-150	
Methylene Chloride	400	20 U	321	80	0-221	
MTBE	400	20 U	307	77	63-128	
m-Xylene & p-Xylene	400	20 U	400	100	80-121	
o-Xylene	400	20 U	386	97	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60203.D

Lab ID: 460-120424-7 MS Client ID: MW-9G MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
p-Dioxane	8000	1000 U	7890	99	71-150	
Styrene	400	20 U	405	101	80-126	
TBA	4000	200 U	3800	95	60-126	
Tetrachloroethene	400	11 J	358	87	78-121	
Toluene	400	20 U	416	104	78-120	
trans-1,2-Dichloroethene	400	19 J	310	73	54-156	
trans-1,3-Dichloropropene	400	20 U	406	102	17-183	
Trichloroethene	400	4.5 J	343	85	71-157	
Trichlorofluoromethane	400	20 U	389	97	17-181	
Vinyl chloride	400	1200	1440	55	0-251	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60106.D

Lab ID: 460-120424-6 MSD Client ID: MW-9F MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	24.2	121	2	30	52-162	
1,1,2,2-Tetrachloroethane	20.0	21.1	106	6	30	46-147	
1,1,2-Trichloroethane	20.0	20.4	102	0	30	52-150	
1,1-Dichloroethane	20.0	23.9	120	1	30	59-155	
1,1-Dichloroethene	20.0	23.5	118	2	30	0-234	
1,2,3-Trichlorobenzene	20.0	18.1	91	4	30	56-136	
1,2,4-Trichlorobenzene	20.0	18.3	91	8	30	64-124	
1,2-Dibromo-3-Chloropropane	20.0	19.9	99	3	30	48-129	
1,2-Dibromoethane	20.0	18.9	95	4	30	80-120	
1,2-Dichlorobenzene	20.0	19.6	98	1	30	18-190	
1,2-Dichloroethane	20.0	23.1	115	2	30	49-155	
1,2-Dichloropropane	20.0	23.5	118	4	30	0-210	
1,3-Dichlorobenzene	20.0	19.6	98	0	30	59-156	
1,4-Dichlorobenzene	20.0	19.1	95	2	30	18-190	
2-Butanone	100	100	100	1	30	57-144	
2-Hexanone	100	109	109	2	30	60-137	
4-Methyl-2-pentanone	100	110	110	2	30	73-124	
Acetone	100	83.9	84	4	30	48-143	
Benzene	20.0	21.3	107	3	30	37-151	
Bromodichloromethane	20.0	23.3	116	3	30	35-155	
Bromoform	20.0	15.3	76	5	30	45-169	
Bromomethane	20.0	17.0	85	9	30	0-242	
Carbon disulfide	20.0	21.5	107	2	30	51-144	
Carbon tetrachloride	20.0	22.2	111	3	30	70-140	
Chlorobenzene	20.0	19.0	95	3	30	37-160	
Chloroform	20.0	23.4	117	1	30	51-138	
Chloromethane	20.0	21.8	109	2	30	0-273	
cis-1,2-Dichloroethene	20.0	26.2	108	0	30	80-120	
cis-1,3-Dichloropropene	20.0	19.6	98	5	30	0-227	
Cyclohexane	20.0	29.8	149	5	30	59-150	
Dibromochloromethane	20.0	18.0	90	4	30	53-149	
Dichlorodifluoromethane	20.0	20.6	103	5	30	50-127	
Ethyl Chloride	20.0	12.7	64	3	30	14-230	
Ethylbenzene	20.0	19.7	99	1	30	37-162	
Freon TF	20.0	27.5	137	6	30	48-150	
Isopropylbenzene	20.0	20.6	103	2	30	80-120	
Methyl acetate	100	85.2	85	2	30	39-150	
Methylcyclohexane	20.0	28.4	142	3	30	77-150	
Methylene Chloride	20.0	23.7	118	2	30	0-221	
MTBE	20.0	23.0	114	3	30	63-128	
m-Xylene & p-Xylene	20.0	20.2	101	2	30	80-121	
o-Xylene	20.0	19.7	99	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60106.D

Lab ID: 460-120424-6 MSD Client ID: MW-9F MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
p-Dioxane	400	382	96	1	30	71-150	
Styrene	20.0	19.4	97	0	30	80-126	
TBA	200	168	84	3	30	60-126	
Tetrachloroethene	20.0	17.4	83	4	30	78-121	
Toluene	20.0	20.6	101	4	30	78-120	
trans-1,2-Dichloroethene	20.0	22.2	110	6	30	54-156	
trans-1,3-Dichloropropene	20.0	19.6	98	5	30	17-183	
Trichloroethene	20.0	23.0	113	0	30	71-157	
Trichlorofluoromethane	20.0	25.6	128	5	30	17-181	
Vinyl chloride	20.0	28.2	104	2	30	0-251	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60204.D

Lab ID: 460-120424-7 MSD Client ID: MW-9G MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	400	364	91	5	30	52-162	
1,1,2,2-Tetrachloroethane	400	464	116	3	30	46-147	
1,1,2-Trichloroethane	400	415	104	1	30	52-150	
1,1-Dichloroethane	400	346	87	4	30	59-155	
1,1-Dichloroethene	400	330	83	9	30	0-234	
1,2,3-Trichlorobenzene	400	403	101	5	30	56-136	
1,2,4-Trichlorobenzene	400	386	97	2	30	64-124	
1,2-Dibromo-3-Chloropropane	400	429	107	9	30	48-129	
1,2-Dibromoethane	400	413	103	3	30	80-120	
1,2-Dichlorobenzene	400	432	108	2	30	18-190	
1,2-Dichloroethane	400	359	90	2	30	49-155	
1,2-Dichloropropane	400	338	84	1	30	0-210	
1,3-Dichlorobenzene	400	408	102	2	30	59-156	
1,4-Dichlorobenzene	400	413	103	0	30	18-190	
2-Butanone	2000	1670	84	0	30	57-144	
2-Hexanone	2000	1810	90	2	30	60-137	
4-Methyl-2-pentanone	2000	1810	90	1	30	73-124	
Acetone	2000	1280	64	6	30	48-143	
Benzene	400	420	105	1	30	37-151	
Bromodichloromethane	400	349	87	2	30	35-155	
Bromoform	400	343	86	1	30	45-169	
Bromomethane	400	268	67	9	30	0-242	
Carbon disulfide	400	300	75	7	30	51-144	
Carbon tetrachloride	400	342	85	1	30	70-140	
Chlorobenzene	400	391	98	0	30	37-160	
Chloroform	400	353	88	3	30	51-138	
Chloromethane	400	313	78	7	30	0-273	
cis-1,2-Dichloroethene	400	3220	102	4	30	80-120	
cis-1,3-Dichloropropene	400	393	98	2	30	0-227	
Cyclohexane	400	423	106	3	30	59-150	
Dibromochloromethane	400	403	101	1	30	53-149	
Dichlorodifluoromethane	400	336	84	8	30	50-127	
Ethyl Chloride	400	439	110	12	30	14-230	
Ethylbenzene	400	402	101	3	30	37-162	
Freon TF	400	391	98	3	30	48-150	
Isopropylbenzene	400	421	105	3	30	80-120	
Methyl acetate	2000	1920	96	4	30	39-150	
Methylcyclohexane	400	399	100	0	30	77-150	
Methylene Chloride	400	337	84	5	30	0-221	
MTBE	400	322	81	5	30	63-128	
m-Xylene & p-Xylene	400	404	101	1	30	80-121	
o-Xylene	400	400	100	4	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E60204.D

Lab ID: 460-120424-7 MSD Client ID: MW-9G MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
p-Dioxane	8000	8320	104	5	30	71-150	
Styrene	400	408	102	1	30	80-126	
TBA	4000	3790	95	0	30	60-126	
Tetrachloroethene	400	379	92	6	30	78-121	
Toluene	400	411	103	1	30	78-120	
trans-1,2-Dichloroethene	400	333	78	7	30	54-156	
trans-1,3-Dichloropropene	400	418	105	3	30	17-183	
Trichloroethene	400	331	82	4	30	71-157	
Trichlorofluoromethane	400	417	104	7	30	17-181	
Vinyl chloride	400	1570	89	9	30	0-251	

Column to be used to flag recovery and RPD values

FORM III 624

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Lab File ID: E60088.D Lab Sample ID: MB 460-392122/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS5 Date Analyzed: 09/22/2016 11:35

GC Column: Rtx-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-392122/4	E60084.D	09/22/2016 09:47
MW-9F MS	460-120424-6 MS	E60105.D	09/22/2016 19:13
MW-9F MSD	460-120424-6 MSD	E60106.D	09/22/2016 19:40
2016-09-15_TRIP_BLANK	460-120424-10	E60114.D	09/22/2016 23:15
MW-9F	460-120424-6	E60118.D	09/23/2016 01:02

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Lab File ID: E60176.D Lab Sample ID: MB 460-392649/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS5 Date Analyzed: 09/24/2016 09:20

GC Column: Rtx-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-392649/3	E60172.D	09/24/2016 07:32
2016-09-15_FIELD_BLANK	460-120424-9	E60197.D	09/24/2016 18:46
MW-9C	460-120424-4	E60198.D	09/24/2016 19:13
MW-9B	460-120424-3	E60199.D	09/24/2016 19:40
MW-3	460-120424-1	E60200.D	09/24/2016 20:07
MW-9D	460-120424-5	E60201.D	09/24/2016 20:34
MW-9G	460-120424-7	E60202.D	09/24/2016 21:01
MW-9G MS	460-120424-7 MS	E60203.D	09/24/2016 21:27
MW-9G MSD	460-120424-7 MSD	E60204.D	09/24/2016 21:54
EW-1	460-120424-2	E60207.D	09/24/2016 23:15
MW-9H	460-120424-8	E60208.D	09/24/2016 23:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Lab File ID: E59503.D BFB Injection Date: 09/09/2016

Instrument ID: CVOAMS5 BFB Injection Time: 20:53

Analysis Batch No.: 389632

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	46.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	1.0	(1.3) 1
174	50.0 - 120.00 % of mass 95	75.8	
175	5.0 - 9.0 % of mass 174	5.7	(7.5) 1
176	95.0 - 101.0 % of mass 174	73.5	(97.0) 1
177	5.0 - 9.0 % of mass 176	4.6	(6.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-389632/2	E59504.D	09/09/2016	21:21
	STD05 460-389632/3	E59505.D	09/09/2016	21:48
	STD20 460-389632/6	E59508.D	09/09/2016	23:09
	STD50 460-389632/7	E59509.D	09/09/2016	23:36
	STD200 460-389632/8	E59510.D	09/10/2016	00:03
	STD500 460-389632/9	E59511.D	09/10/2016	00:30
	STD1 460-389632/14	E59516.D	09/10/2016	07:29
	STD5 460-389632/15	E59517.D	09/10/2016	08:03

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Lab File ID: E60081.D BFB Injection Date: 09/22/2016

Instrument ID: CVOAMS5 BFB Injection Time: 08:22

Analysis Batch No.: 392122

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.0	
75	30.0 - 60.0 % of mass 95	43.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.7	(0.8) 1
174	50.0 - 120.00 % of mass 95	82.7	
175	5.0 - 9.0 % of mass 174	5.9	(7.1) 1
176	95.0 - 101.0 % of mass 174	80.4	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-392122/3	E60083.D	09/22/2016	09:12
	LCS 460-392122/4	E60084.D	09/22/2016	09:47
	MB 460-392122/8	E60088.D	09/22/2016	11:35
MW-9F MS	460-120424-6 MS	E60105.D	09/22/2016	19:13
MW-9F MSD	460-120424-6 MSD	E60106.D	09/22/2016	19:40
2016-09-15_TRIP_BLANK	460-120424-10	E60114.D	09/22/2016	23:15
MW-9F	460-120424-6	E60118.D	09/23/2016	01:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Lab File ID: E60170.D BFB Injection Date: 09/24/2016

Instrument ID: CVOAMS5 BFB Injection Time: 06:39

Analysis Batch No.: 392649

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.7	
75	30.0 - 60.0 % of mass 95	49.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.4	(0.6) 1
174	50.0 - 120.00 % of mass 95	63.8	
175	5.0 - 9.0 % of mass 174	4.6	(7.2) 1
176	95.0 - 101.0 % of mass 174	60.7	(95.1) 1
177	5.0 - 9.0 % of mass 176	3.4	(5.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-392649/2	E60171.D	09/24/2016	07:05
	LCS 460-392649/3	E60172.D	09/24/2016	07:32
	MB 460-392649/7	E60176.D	09/24/2016	09:20
2016-09-15_FIELD_BLANK	460-120424-9	E60197.D	09/24/2016	18:46
MW-9C	460-120424-4	E60198.D	09/24/2016	19:13
MW-9B	460-120424-3	E60199.D	09/24/2016	19:40
MW-3	460-120424-1	E60200.D	09/24/2016	20:07
MW-9D	460-120424-5	E60201.D	09/24/2016	20:34
MW-9G	460-120424-7	E60202.D	09/24/2016	21:01
MW-9G MS	460-120424-7 MS	E60203.D	09/24/2016	21:27
MW-9G MSD	460-120424-7 MSD	E60204.D	09/24/2016	21:54
EW-1	460-120424-2	E60207.D	09/24/2016	23:15
MW-9H	460-120424-8	E60208.D	09/24/2016	23:42

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Sample No.: CCVIS 460-392122/3 Date Analyzed: 09/22/2016 09:12

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm)

Lab File ID (Standard): E60083.D Heated Purge: (Y/N) N

Calibration ID: 57718

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		501096	1.88	365534	2.83	600690	3.38
UPPER LIMIT		1002192	2.38	731068	3.33	1201380	3.88
LOWER LIMIT		250548	1.38	182767	2.33	300345	2.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-392122/4		490794	1.88	354308	2.83	607420	3.39
MB 460-392122/8		477036	1.87	342751	2.83	596942	3.39
460-120424-6 MS	MW-9F MS	379589	1.88	298903	2.83	476197	3.38
460-120424-6 MSD	MW-9F MSD	382910	1.88	297431	2.83	483570	3.38
460-120424-10	2016-09-15_TRIP_BLANK	337642	1.87	262283	2.83	456744	3.39
460-120424-6	MW-9F	333159	1.87	245928	2.83	408206	3.39

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 624

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Sample No.: CCVIS 460-392122/3 Date Analyzed: 09/22/2016 09:12

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm)

Lab File ID (Standard): E60083.D Heated Purge: (Y/N) N

Calibration ID: 57718

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		64714	4.23	771104	6.69	497682	10.17
UPPER LIMIT		129428	4.73	1542208	7.19	995364	10.67
LOWER LIMIT		32357	3.73	385552	6.19	248841	9.67
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-392122/4		63007	4.23	768199	6.69	488769	10.17
MB 460-392122/8		58079	4.22	744976	6.69	476596	10.17
460-120424-6 MS	MW-9F MS	45865	4.22	574918	6.69	307934	10.17
460-120424-6 MSD	MW-9F MSD	45265	4.22	591649	6.69	319577	10.17
460-120424-10	2016-09-15_TRIP_BLANK	42662	4.22	557460	6.69	317954	10.17
460-120424-6	MW-9F	39222	4.22	506748	6.69	287000	10.17

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 624

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Sample No.: CCVIS 460-392649/2 Date Analyzed: 09/24/2016 07:05

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm)

Lab File ID (Standard): E60171.D Heated Purge: (Y/N) N

Calibration ID: 57718

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		253926	1.88	267215	2.83	475472	3.38
UPPER LIMIT		507852	2.38	534430	3.33	950944	3.88
LOWER LIMIT		126963	1.38	133608	2.33	237736	2.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-392649/3		270010	1.88	275421	2.83	487084	3.38
MB 460-392649/7		268168	1.87	269184	2.83	461793	3.39
460-120424-9	2016-09-15_FIELD_BLANK	221936	1.87	238887	2.83	471061	3.39
460-120424-4	MW-9C	227171	1.87	240715	2.83	445697	3.39
460-120424-3	MW-9B	232302	1.87	259401	2.83	474110	3.39
460-120424-1	MW-3	240900	1.87	250846	2.83	461052	3.39
460-120424-5	MW-9D	251004	1.87	257612	2.83	441366	3.39
460-120424-7	MW-9G	245959	1.87	251930	2.83	432550	3.39
460-120424-7 MS	MW-9G MS	228108	1.87	264085	2.83	496030	3.38
460-120424-7 MSD	MW-9G MSD	267557	1.88	280738	2.83	490773	3.39
460-120424-2	EW-1	228984	1.87	240690	2.83	437071	3.39
460-120424-8	MW-9H	224922	1.87	239878	2.83	435916	3.39

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 624

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-120424-1

SDG No.:

Sample No.: CCVIS 460-392649/2 Date Analyzed: 09/24/2016 07:05

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm)

Lab File ID (Standard): E60171.D Heated Purge: (Y/N) N

Calibration ID: 57718

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		32247	4.23	409909	6.69	223705	10.17
UPPER LIMIT		64494	4.73	819818	7.19	447410	10.67
LOWER LIMIT		16124	3.73	204955	6.19	111853	9.67
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-392649/3		34257	4.22	415098	6.69	228262	10.17
MB 460-392649/7		31210	4.22	391282	6.69	205248	10.17
460-120424-9	2016-09-15_FIELD_BLANK	24690	4.22	408110	6.69	206661	10.17
460-120424-4	MW-9C	27586	4.22	408439	6.69	207976	10.17
460-120424-3	MW-9B	28109	4.22	398063	6.69	205038	10.17
460-120424-1	MW-3	27652	4.22	392734	6.69	203840	10.17
460-120424-5	MW-9D	28039	4.23	387147	6.69	198826	10.17
460-120424-7	MW-9G	27463	4.22	377150	6.69	194167	10.17
460-120424-7 MS	MW-9G MS	30532	4.22	422579	6.69	221498	10.17
460-120424-7 MSD	MW-9G MSD	32002	4.22	431748	6.69	229472	10.17
460-120424-2	EW-1	27363	4.22	383831	6.69	195288	10.17
460-120424-8	MW-9H	26137	4.22	380860	6.69	194418	10.17

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 624

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 460-120424-1

Matrix: Water | Lab File ID: E60200.D

Analysis Method: 624 | Date Collected: 09/15/2016 10:09

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 20:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.19
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-27-4	Bromodichloromethane	1.0	U	1.0	0.15
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	130	*	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
124-48-1	Dibromochloromethane	1.0	U	1.0	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14
75-00-3	Ethyl Chloride	1.0	U	1.0	0.37
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
76-13-1	Freon TF	1.0	U	1.0	0.34
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 460-120424-1

Matrix: Water | Lab File ID: E60200.D

Analysis Method: 624 | Date Collected: 09/15/2016 10:09

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 20:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.58
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0	U	1.0	0.21
1634-04-4	MTBE	1.0	U	1.0	0.13
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
123-91-1	p-Dioxane	50	U	50	8.7
100-42-5	Styrene	1.0	U	1.0	0.17
75-65-0	TBA	10	U	10	1.2
127-18-4	Tetrachloroethene	16		1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.83	J	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	7.4		1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	7.3		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		48-130
460-00-4	Bromofluorobenzene	83		71-131
1868-53-7	Dibromofluoromethane (Surr)	84		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: EW-1 | Lab Sample ID: 460-120424-2

Matrix: Water | Lab File ID: E60207.D

Analysis Method: 624 | Date Collected: 09/15/2016 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 23:15

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.38
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.16
75-34-3	1,1-Dichloroethane	2.0	U	2.0	0.48
75-35-4	1,1-Dichloroethene	2.0	U	2.0	0.68
87-61-6	1,2,3-Trichlorobenzene	2.0	U	2.0	0.70
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.54
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.46
106-93-4	1,2-Dibromoethane	2.0	U	2.0	0.38
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	0.44
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.50
78-87-5	1,2-Dichloropropane	2.0	U	2.0	0.36
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	0.66
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	0.66
78-93-3	2-Butanone	10	U	10	4.4
591-78-6	2-Hexanone	10	U	10	1.4
108-10-1	4-Methyl-2-pentanone	10	U	10	1.3
67-64-1	Acetone	10	U	10	2.1
71-43-2	Benzene	2.0	U	2.0	0.18
75-27-4	Bromodichloromethane	2.0	U	2.0	0.30
75-25-2	Bromoform	2.0	U	2.0	0.36
74-83-9	Bromomethane	2.0	U	2.0	0.36
75-15-0	Carbon disulfide	2.0	U	2.0	0.44
56-23-5	Carbon tetrachloride	2.0	U	2.0	0.66
108-90-7	Chlorobenzene	2.0	U	2.0	0.48
67-66-3	Chloroform	2.0	U	2.0	0.44
74-87-3	Chloromethane	2.0	U	2.0	0.44
156-59-2	cis-1,2-Dichloroethene	2.6	*	2.0	0.52
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.32
110-82-7	Cyclohexane	2.0	U	2.0	0.52
124-48-1	Dibromochloromethane	2.0	U	2.0	0.44
75-71-8	Dichlorodifluoromethane	2.0	U	2.0	0.28
75-00-3	Ethyl Chloride	2.0	U	2.0	0.74
100-41-4	Ethylbenzene	2.0	U	2.0	0.60
76-13-1	Freon TF	2.0	U	2.0	0.68
98-82-8	Isopropylbenzene	2.0	U	2.0	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: EW-1 | Lab Sample ID: 460-120424-2

Matrix: Water | Lab File ID: E60207.D

Analysis Method: 624 | Date Collected: 09/15/2016 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 23:15

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	10	U	10	1.2
108-87-2	Methylcyclohexane	2.0	U	2.0	0.44
75-09-2	Methylene Chloride	2.0	U	2.0	0.42
1634-04-4	MTBE	2.0	U	2.0	0.26
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.56
95-47-6	o-Xylene	2.0	U	2.0	0.64
123-91-1	p-Dioxane	100	U	100	17
100-42-5	Styrene	2.0	U	2.0	0.34
75-65-0	TBA	20	U	20	2.4
127-18-4	Tetrachloroethene	420		2.0	0.24
108-88-3	Toluene	2.0	U	2.0	0.50
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	0.36
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.38
79-01-6	Trichloroethene	2.2		2.0	0.44
75-69-4	Trichlorofluoromethane	2.0	U	2.0	0.30
75-01-4	Vinyl chloride	2.0	U	2.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		48-130
460-00-4	Bromofluorobenzene	79		71-131
1868-53-7	Dibromofluoromethane (Surr)	84		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9B | Lab Sample ID: 460-120424-3

Matrix: Water | Lab File ID: E60199.D

Analysis Method: 624 | Date Collected: 09/15/2016 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 19:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.19
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-27-4	Bromodichloromethane	1.0	U	1.0	0.15
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	20	*	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
124-48-1	Dibromochloromethane	1.0	U	1.0	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14
75-00-3	Ethyl Chloride	1.0	U	1.0	0.37
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
76-13-1	Freon TF	1.0	U	1.0	0.34
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9B | Lab Sample ID: 460-120424-3

Matrix: Water | Lab File ID: E60199.D

Analysis Method: 624 | Date Collected: 09/15/2016 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 19:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.58
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0	U	1.0	0.21
1634-04-4	MTBE	1.0	U	1.0	0.13
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
123-91-1	p-Dioxane	50	U	50	8.7
100-42-5	Styrene	1.0	U	1.0	0.17
75-65-0	TBA	10	U	10	1.2
127-18-4	Tetrachloroethene	7.2		1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	0.79	J	1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	8.1		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		48-130
460-00-4	Bromofluorobenzene	84		71-131
1868-53-7	Dibromofluoromethane (Surr)	84		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9C | Lab Sample ID: 460-120424-4

Matrix: Water | Lab File ID: E60198.D

Analysis Method: 624 | Date Collected: 09/15/2016 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.19
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-27-4	Bromodichloromethane	1.0	U	1.0	0.15
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	35	*	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
124-48-1	Dibromochloromethane	1.0	U	1.0	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14
75-00-3	Ethyl Chloride	1.0	U	1.0	0.37
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
76-13-1	Freon TF	1.0	U	1.0	0.34
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9C | Lab Sample ID: 460-120424-4

Matrix: Water | Lab File ID: E60198.D

Analysis Method: 624 | Date Collected: 09/15/2016 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.58
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0	U	1.0	0.21
1634-04-4	MTBE	1.0	U	1.0	0.13
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
123-91-1	p-Dioxane	50	U	50	8.7
100-42-5	Styrene	1.0	U	1.0	0.17
75-65-0	TBA	10	U	10	1.2
127-18-4	Tetrachloroethene	7.7		1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.50	J	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	3.4		1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	5.5		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		48-130
460-00-4	Bromofluorobenzene	84		71-131
1868-53-7	Dibromofluoromethane (Surr)	89		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9D | Lab Sample ID: 460-120424-5

Matrix: Water | Lab File ID: E60201.D

Analysis Method: 624 | Date Collected: 09/15/2016 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 20:34

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.38
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.16
75-34-3	1,1-Dichloroethane	2.0	U	2.0	0.48
75-35-4	1,1-Dichloroethene	2.0	U	2.0	0.68
87-61-6	1,2,3-Trichlorobenzene	2.0	U	2.0	0.70
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.54
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.46
106-93-4	1,2-Dibromoethane	2.0	U	2.0	0.38
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	0.44
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.50
78-87-5	1,2-Dichloropropane	2.0	U	2.0	0.36
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	0.66
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	0.66
78-93-3	2-Butanone	10	U	10	4.4
591-78-6	2-Hexanone	10	U	10	1.4
108-10-1	4-Methyl-2-pentanone	10	U	10	1.3
67-64-1	Acetone	10	U	10	2.1
71-43-2	Benzene	2.0	U	2.0	0.18
75-27-4	Bromodichloromethane	2.0	U	2.0	0.30
75-25-2	Bromoform	2.0	U	2.0	0.36
74-83-9	Bromomethane	2.0	U	2.0	0.36
75-15-0	Carbon disulfide	2.0	U	2.0	0.44
56-23-5	Carbon tetrachloride	2.0	U	2.0	0.66
108-90-7	Chlorobenzene	2.0	U	2.0	0.48
67-66-3	Chloroform	2.0	U	2.0	0.44
74-87-3	Chloromethane	2.0	U	2.0	0.44
156-59-2	cis-1,2-Dichloroethene	450	*	2.0	0.52
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.32
110-82-7	Cyclohexane	2.0	U	2.0	0.52
124-48-1	Dibromochloromethane	2.0	U	2.0	0.44
75-71-8	Dichlorodifluoromethane	2.0	U	2.0	0.28
75-00-3	Ethyl Chloride	2.0	U	2.0	0.74
100-41-4	Ethylbenzene	2.0	U	2.0	0.60
76-13-1	Freon TF	2.0	U	2.0	0.68
98-82-8	Isopropylbenzene	2.0	U	2.0	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9D | Lab Sample ID: 460-120424-5

Matrix: Water | Lab File ID: E60201.D

Analysis Method: 624 | Date Collected: 09/15/2016 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 20:34

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	10	U	10	1.2
108-87-2	Methylcyclohexane	2.0	U	2.0	0.44
75-09-2	Methylene Chloride	2.0	U	2.0	0.42
1634-04-4	MTBE	2.0	U	2.0	0.26
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.56
95-47-6	o-Xylene	2.0	U	2.0	0.64
123-91-1	p-Dioxane	100	U	100	17
100-42-5	Styrene	2.0	U	2.0	0.34
75-65-0	TBA	20	U	20	2.4
127-18-4	Tetrachloroethene	200		2.0	0.24
108-88-3	Toluene	2.0	U	2.0	0.50
156-60-5	trans-1,2-Dichloroethene	2.8		2.0	0.36
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.38
79-01-6	Trichloroethene	38		2.0	0.44
75-69-4	Trichlorofluoromethane	2.0	U	2.0	0.30
75-01-4	Vinyl chloride	27		2.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		48-130
460-00-4	Bromofluorobenzene	83		71-131
1868-53-7	Dibromofluoromethane (Surr)	89		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9F | Lab Sample ID: 460-120424-6

Matrix: Water | Lab File ID: E60118.D

Analysis Method: 624 | Date Collected: 09/15/2016 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2016 01:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.19
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone	5.0	U	5.0	2.2
591-78-6	2-Hexanone	5.0	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.63
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-27-4	Bromodichloromethane	1.0	U	1.0	0.15
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	4.6		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
124-48-1	Dibromochloromethane	1.0	U	1.0	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14
75-00-3	Ethyl Chloride	1.0	U	1.0	0.37
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
76-13-1	Freon TF	1.0	U	1.0	0.34
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9F | Lab Sample ID: 460-120424-6

Matrix: Water | Lab File ID: E60118.D

Analysis Method: 624 | Date Collected: 09/15/2016 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2016 01:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.58
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0	U	1.0	0.21
1634-04-4	MTBE	0.16	J	1.0	0.13
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
123-91-1	p-Dioxane	50	U	50	8.7
100-42-5	Styrene	1.0	U	1.0	0.17
75-65-0	TBA	10	U	10	1.2
127-18-4	Tetrachloroethene	0.80	J	1.0	0.12
108-88-3	Toluene	0.34	J	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.21	J	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	0.34	J	1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	7.3		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	126		48-130
460-00-4	Bromofluorobenzene	91		71-131
1868-53-7	Dibromofluoromethane (Surr)	123	*	80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9G | Lab Sample ID: 460-120424-7

Matrix: Water | Lab File ID: E60202.D

Analysis Method: 624 | Date Collected: 09/15/2016 13:01

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 21:01

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20	U	20	5.6
79-34-5	1,1,2,2-Tetrachloroethane	20	U	20	3.8
79-00-5	1,1,2-Trichloroethane	20	U	20	1.6
75-34-3	1,1-Dichloroethane	20	U	20	4.8
75-35-4	1,1-Dichloroethene	20	U	20	6.8
87-61-6	1,2,3-Trichlorobenzene	20	U	20	7.0
120-82-1	1,2,4-Trichlorobenzene	20	U	20	5.4
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	20	4.6
106-93-4	1,2-Dibromoethane	20	U	20	3.8
95-50-1	1,2-Dichlorobenzene	20	U	20	4.4
107-06-2	1,2-Dichloroethane	20	U	20	5.0
78-87-5	1,2-Dichloropropane	20	U	20	3.6
541-73-1	1,3-Dichlorobenzene	20	U	20	6.6
106-46-7	1,4-Dichlorobenzene	20	U	20	6.6
78-93-3	2-Butanone	100	U	100	44
591-78-6	2-Hexanone	100	U	100	14
108-10-1	4-Methyl-2-pentanone	100	U	100	13
67-64-1	Acetone	100	U	100	21
71-43-2	Benzene	20	U	20	1.8
75-27-4	Bromodichloromethane	20	U	20	3.0
75-25-2	Bromoform	20	U	20	3.6
74-83-9	Bromomethane	20	U	20	3.6
75-15-0	Carbon disulfide	20	U	20	4.4
56-23-5	Carbon tetrachloride	20	U	20	6.6
108-90-7	Chlorobenzene	20	U	20	4.8
67-66-3	Chloroform	20	U	20	4.4
74-87-3	Chloromethane	20	U	20	4.4
156-59-2	cis-1,2-Dichloroethene	2800	*	20	5.2
10061-01-5	cis-1,3-Dichloropropene	20	U	20	3.2
110-82-7	Cyclohexane	20	U	20	5.2
124-48-1	Dibromochloromethane	20	U	20	4.4
75-71-8	Dichlorodifluoromethane	20	U	20	2.8
75-00-3	Ethyl Chloride	20	U	20	7.4
100-41-4	Ethylbenzene	20	U	20	6.0
76-13-1	Freon TF	20	U	20	6.8
98-82-8	Isopropylbenzene	20	U	20	6.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9G | Lab Sample ID: 460-120424-7

Matrix: Water | Lab File ID: E60202.D

Analysis Method: 624 | Date Collected: 09/15/2016 13:01

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 21:01

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	100	U	100	12
108-87-2	Methylcyclohexane	20	U	20	4.4
75-09-2	Methylene Chloride	20	U	20	4.2
1634-04-4	MTBE	20	U	20	2.6
179601-23-1	m-Xylene & p-Xylene	20	U	20	5.6
95-47-6	o-Xylene	20	U	20	6.4
123-91-1	p-Dioxane	1000	U	1000	170
100-42-5	Styrene	20	U	20	3.4
75-65-0	TBA	200	U	200	24
127-18-4	Tetrachloroethene	11	J	20	2.4
108-88-3	Toluene	20	U	20	5.0
156-60-5	trans-1,2-Dichloroethene	19	J	20	3.6
10061-02-6	trans-1,3-Dichloropropene	20	U	20	3.8
79-01-6	Trichloroethene	4.5	J	20	4.4
75-69-4	Trichlorofluoromethane	20	U	20	3.0
75-01-4	Vinyl chloride	1200		20	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		48-130
460-00-4	Bromofluorobenzene	79		71-131
1868-53-7	Dibromofluoromethane (Surr)	84		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9H | Lab Sample ID: 460-120424-8

Matrix: Water | Lab File ID: E60208.D

Analysis Method: 624 | Date Collected: 09/15/2016 13:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 23:42

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	1.4
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.95
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.40
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.2
75-35-4	1,1-Dichloroethene	5.0	U	5.0	1.7
87-61-6	1,2,3-Trichlorobenzene	5.0	U	5.0	1.8
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.2
106-93-4	1,2-Dibromoethane	5.0	U	5.0	0.95
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	1.1
107-06-2	1,2-Dichloroethane	5.0	U	5.0	1.3
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.90
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	1.7
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	1.7
78-93-3	2-Butanone	25	U	25	11
591-78-6	2-Hexanone	25	U	25	3.6
108-10-1	4-Methyl-2-pentanone	25	U	25	3.2
67-64-1	Acetone	25	U	25	5.4
71-43-2	Benzene	5.0	U	5.0	0.45
75-27-4	Bromodichloromethane	5.0	U	5.0	0.75
75-25-2	Bromoform	5.0	U	5.0	0.90
74-83-9	Bromomethane	5.0	U	5.0	0.90
75-15-0	Carbon disulfide	5.0	U	5.0	1.1
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.7
108-90-7	Chlorobenzene	5.0	U	5.0	1.2
67-66-3	Chloroform	5.0	U	5.0	1.1
74-87-3	Chloromethane	5.0	U	5.0	1.1
156-59-2	cis-1,2-Dichloroethene	140	*	5.0	1.3
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.80
110-82-7	Cyclohexane	5.0	U	5.0	1.3
124-48-1	Dibromochloromethane	5.0	U	5.0	1.1
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	0.70
75-00-3	Ethyl Chloride	5.0	U	5.0	1.9
100-41-4	Ethylbenzene	5.0	U	5.0	1.5
76-13-1	Freon TF	5.0	U	5.0	1.7
98-82-8	Isopropylbenzene	5.0	U	5.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: MW-9H | Lab Sample ID: 460-120424-8

Matrix: Water | Lab File ID: E60208.D

Analysis Method: 624 | Date Collected: 09/15/2016 13:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 23:42

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	25	U	25	2.9
108-87-2	Methylcyclohexane	2.0	J	5.0	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	1.1
1634-04-4	MTBE	5.0	U	5.0	0.65
179601-23-1	m-Xylene & p-Xylene	5.0	U	5.0	1.4
95-47-6	o-Xylene	5.0	U	5.0	1.6
123-91-1	p-Dioxane	250	U	250	44
100-42-5	Styrene	5.0	U	5.0	0.85
75-65-0	TBA	50	U	50	6.0
127-18-4	Tetrachloroethene	1300		5.0	0.60
108-88-3	Toluene	5.0	U	5.0	1.3
156-60-5	trans-1,2-Dichloroethene	1.3	J	5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.95
79-01-6	Trichloroethene	220		5.0	1.1
75-69-4	Trichlorofluoromethane	5.0	U	5.0	0.75
75-01-4	Vinyl chloride	3.7	J	5.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		48-130
460-00-4	Bromofluorobenzene	83		71-131
1868-53-7	Dibromofluoromethane (Surr)	87		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: 2016-09-15_FIELD_BLANK | Lab Sample ID: 460-120424-9

Matrix: Water | Lab File ID: E60197.D

Analysis Method: 624 | Date Collected: 09/15/2016 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 18:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.080
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.24
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.23
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.19
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.22
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.25
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone	38		5.0	2.2
591-78-6	2-Hexanone	1.9	J	5.0	0.72
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.63
67-64-1	Acetone	16		5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.090
75-27-4	Bromodichloromethane	1.0	U	1.0	0.15
75-25-2	Bromoform	1.0	U	1.0	0.18
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-15-0	Carbon disulfide	1.0	U	1.0	0.22
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.33
108-90-7	Chlorobenzene	1.0	U	1.0	0.24
67-66-3	Chloroform	1.0	U	1.0	0.22
74-87-3	Chloromethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U *	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.26
124-48-1	Dibromochloromethane	1.0	U	1.0	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.14
75-00-3	Ethyl Chloride	1.0	U	1.0	0.37
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
76-13-1	Freon TF	1.0	U	1.0	0.34
98-82-8	Isopropylbenzene	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-120424-1

SDG No.:

Client Sample ID: 2016-09-15_FIELD_BLANK | Lab Sample ID: 460-120424-9

Matrix: Water | Lab File ID: E60197.D

Analysis Method: 624 | Date Collected: 09/15/2016 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2016 18:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 392649 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.0	U	5.0	0.58
108-87-2	Methylcyclohexane	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	0.39	J	1.0	0.21
1634-04-4	MTBE	1.0	U	1.0	0.13
179601-23-1	m-Xylene & p-Xylene	0.47	J	1.0	0.28
95-47-6	o-Xylene	1.0	U	1.0	0.32
123-91-1	p-Dioxane	50	U	50	8.7
100-42-5	Styrene	1.0	U	1.0	0.17
75-65-0	TBA	62		10	1.2
127-18-4	Tetrachloroethene	1.0	U	1.0	0.12
108-88-3	Toluene	1.0	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.22
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-01-4	Vinyl chloride	1.0	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		48-130
460-00-4	Bromofluorobenzene	85		71-131
1868-53-7	Dibromofluoromethane (Surr)	86		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120