EMPIRE GEO SERVICES, INC.
A SUBSIDIARY OF SJB SERVICES, INC.

CORPORATE/ BUFFALO OFFICE
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716)-649-8110
Fax: (716) 649-8051

ALBANY OFFICE
P.O. Box 2199
Ballston Spa, NY 12020

5 Knabner Road
Mechanicville, NY 12118
Phone: (518) 899-7491
Fax: (518) 899-7496

CORTLAND OFFICE
60 Miller Street
Cortland, NY 13045
Phone: (607) 758-7182
Fax: (607) 758-7188

ROCHESTER OFFICE
535 Summit Point Drive
Henrietta, NY 14467
Phone: (585) 359-2730
Fax: (585) 359-9668

January 14, 2016
Empire Project No. BEV-08-048A

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7013

Phone: 716-851-7220
Fax: 716-851-7226

Attention: Benjamin Rung, P.E.

Reference: Evaluation of Post-Treatment Groundwater Data
For Samples Collected August, 2015
Chemcore Site
1382 Niagara Street, Buffalo, New York
NYSDEC Site No. 915176

Dear Mr. Rung:

As requested by the New York State Department of Environmental Conservation (NYSDEC), Empire GeoServices, Inc. (Empire) has evaluated analytical data for the groundwater samples collected during August, 2015 at the Chemcore site in Buffalo, New York. The recent groundwater data are compared to previous groundwater data collected during the past few years.

BACKGROUND

Groundwater sampling and analysis of onsite and offsite monitoring wells have been periodically completed during the past several years to monitor volatile organic compound (VOC) concentrations. As directed by the NYSDEC, Empire injected Edible Oil Substrate (EOS^{TM}), a bioremediation compound, into three onsite infiltration galleries and selected onsite and offsite monitoring wells during recent years. The purpose of the injection was to stimulate bio-degradation of chlorinated VOCs present in groundwater. The first injection was completed in November 2011, the second injection was completed in August 2012, the third injection was completed August to September 2013, and the most recent injection was completed in February 2015. Empire collected groundwater samples during August 2015, approximately six months after the February 2015 EOS injection, to obtain an indication of its effectiveness.

For the February 2015 EOS injection, the compound was mixed with water at the ratio of 1:1 and injected into the three infiltration galleries, and five onsite monitoring wells (MW-3, MW-6, MW-7, MW-21, and MW-22). Each infiltration gallery and monitoring wells MW-21 and MW-22 received one drum of the compound diluted appropriately. Monitoring wells MW-3 and MW-7 each received two drums of the compound diluted appropriately. It was planned to place two drums of EOS into monitoring well MW-6, but since the infiltration rate was extremely slow, MW-6 only received the amount of diluted compound that filled the well casing to the surface. The remainder of the two drums of compound was distributed equally between the three infiltration galleries, as directed by NYSDEC.

GROUNDWATER SAMPLING AND ANALYSIS

Empire collected groundwater samples from selected monitoring wells during August 2015. Three standing well volumes were purged from each well prior to sampling. If the well went dry during purging, the well was allowed to recover prior to sampling. The groundwater samples were analyzed by TestAmerica Laboratories, Inc. in Amherst, New York for Target Compound List (TCL) VOCs, under contract to the NYSDEC. TestAmerica's analytical report is attached. The sampled wells included MW-3, MW-6, MW-7, MW-8S, MW-8D, MW-11, MW-12, MW-13S, MW-13D, MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, and MW-22. Monitoring wells MW-9 and MW-10 were not sampled during the August 2015 sampling event, as directed by NYSDEC.

The attached figure indicates the well locations and includes data tables of individual VOC concentrations in groundwater for 2009 – 2015.

GROUNDWATER DATA EVALUATION

Empire compared the August 2015 post-injection groundwater monitoring data to the May 2014, April 2013, April-May 2012, and July 2011 data for cis-1,2-Dichloroethene (DCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride (VC). These data are summarized below.

DCE

(All concentrations in ppb)

(ND = not detected; ns = not sampled)

Well No.	July 2011	April-May 2012	April 2013	May 2014	August 2015	Change
MW-3	16,000	4,300	210	160	ND	Overall Decrease
MW-6	27,000	3,300	240	2,900	310	Overall Decrease
MW-7	2.9	6.1	77	45	4.8	Continuing Recent Decreasing Trend
MW-8S	ND	ns	ns	ND	ND	Unchanged
MW-8D	0.91	ns	ns	0.2	ND	Overall Decrease
MW-9	ND	ND	ND	ND	ns	Unchanged
MW-10	ND	ND	ND	ND	ns	Unchanged
MW-11	1,600	29	200	2.4	6.3	Overall Decrease
MW-12	5,000	ns	ns	ND	ND	Overall Decrease
MW-13D	ND	ND	1.8	ND	ND	Overall Decrease
MW-13S	3.4	25	12	ND	ND	Overall Decrease
MW-16	66	ns	ns	ND	ND	Overall Decrease
MW-17	ns	ns	ns	ND	ND	Unchanged
MW-18	2	ns	ns	ND	ND	Overall Decrease
MW-19	64	ns	ns	ND	ND	Overall Decrease
MW-20	1,200	1,700	6,200	650	1,200	Overall Unchanged
MW-21	2,000	850	1,200	2,300	1,900	Overall Decrease
MW-22	3,700	750	280	5,100	1,900	Overall Decrease

DCE concentrations in groundwater slightly decreased at four (4) locations (MW-3, MW-6, MW-21, and MW-22) relative to the May 2014 sampling event. Significant concentration decreases were observed at two (2) locations (MW-7 and MW-8D) relative to the May 2014 sampling event. A significant concentration increase was noted at one (1) location (MW-20). A slight concentration increase was observed at one (1) location (MW-11). DCE was not detected at 10 locations (MW-3, MW-8S, MW-8D, MW-12, MW-13D, MW-13S, MW-16, MW-17, MW-18, and MW-19). Although increases in DCE concentrations were obtained in two wells, most of the wells showed decreasing or unchanged concentrations comparing May 2014 data to August 2015 data.

Monitoring wells MW-9 and MW-10 were not sampled during the August 2015 sampling event.

PCE

(All concentrations in ppb)

(ND = not detected; ns = not sampled)

Well No.	July 2011	April-May 2012	April 2013	May 2014	August 2015	Change
MW-3	170	360	550	180	ND	Overall Decrease
MW-6	1	ND	ND	360	ND	Overall Decrease
MW-7	6	4.8	34	590	3.6	Overall Decrease
MW-8S	0.61	ns	ns	19	1	Overall Increase
MW-8D	ND	ns	ns	3.9	0.77	Overall Increase
MW-9	ND	ND	ND	ND	ns	Unchanged
MW-10	ND	ND	ND	ND	ns	Unchanged
MW-11	170	ND	ND	72	ND	Overall Decrease
MW-12	300	ns	ns	5.4	87	Overall Decrease
MW-13D	ND	ND	1.0	ND	0.4	Overall Decrease
MW-13S	3.1	4.1	3.0	3.4	2.5	Overall Decrease
MW-16	ND	ns	ns	ND	14	Overall Increase
MW-17	ns	ns	ns	ND	ND	Unchanged
MW-18	ND	ns	ns	ND	ND	Unchanged
MW-19	2.4	ns	ns	1.3	47	Overall Increase
MW-20	1,200	130	140	320	58	Overall Decrease
MW-21	580	2,500	46	1,800	850	Overall Increase
MW-22	ND	ND	79	1,700	1,300	Overall Increase

PCE concentrations in groundwater slightly decreased at three (3) locations (MW-8S, MW-8D, and MW-13S) relative to the May 2014 sampling event. Significant concentration decreases were observed at seven (7) locations (MW-3, MW-6, MW-7, MW-11, MW-20, MW-21, and MW-22) relative to the May 2014 sampling event. Slight concentration increases were observed at four (4) locations (MW-12, MW-13D, MW-16, and MW-19). PCE concentrations were not detected at five (5) locations (MW-3, MW-6, MW-11, MW-17, and MW-18). Although slight increases in PCE concentrations were obtained in four wells, most of the wells showed decreasing or unchanged concentrations comparing May 2014 data to August 2015 data.

Monitoring wells MW-9 and MW-10 were not sampled during the August 2015 sampling event.

TCE

(All concentrations in ppb)

(ND = not detected; ns = not sampled)

Well No.	July 2011	April-May 2012	April 2013	May 2014	August 2015	Change
MW-3	2,000	900	280	97	ND	Overall Decrease
MW-6	5.8	ND	45	450	ND	Overall Decrease
MW-7	3.9	3.3	10	36	5.4	Overall Increase
MW-8S	ND	ns	ns	ND	ND	Unchanged
MW-8D	ND	ns	ns	ND	ND	Unchanged
MW-9	ND	ND	ND	ND	ns	Unchanged
MW-10	ND	ND	ND	ND	ns	Unchanged
MW-11	200	ND	ND	ND	0.62	Overall Decrease
MW-12	35	ns	ns	ND	11	Overall Decrease
MW-13D	ND	ND	0.53	ND	ND	Overall Unchanged
MW-13S	2.1	3.5	2.3	ND	11	Overall Increase
MW-16	ND	ns	ns	ND	ND	Unchanged
MW-17	ns	ns	ns	ND	0.7	Overall Increase
MW-18	ND	ns	ns	ND	ND	Unchanged
MW-19	1.1	ns	ns	ND	5.3	Overall Increase
MW-20	830	210	510	24	70	Overall Decrease
MW-21	95	850	29	1,700	2,600	Overall Increase
MW-22	ND	15	260	4,000	2,500	Overall Increase

TCE concentrations in groundwater slightly decreased at one (1) location (MW-7) relative to the May 2014 sampling event. Significant concentration decreases were observed at three (3) locations (MW-3, MW-6 and MW-22) relative to the May 2014 sampling event. Slight concentration increases were observed at six (6) locations (MW-11, MW-12, MW-13S, MW-17, MW-19, and MW-20). A significant concentration increase was observed at one (1) location (MW-21). TCE concentrations were not detected at seven (7) locations (MW-3, MW-6, MW-8S, MW-8D, MW-13D, MW-16, and MW-18). Although a few increases in TCE concentrations were obtained, most of the wells showed decreasing or unchanged concentrations comparing May 2014 data to August 2015 data.

Monitoring wells MW-9 and MW-10 were not sampled during the August 2015 sampling event.

VC

(All concentrations in ppb)

(ND = not detected; NS = not sampled)

Well No.	July 2011	April-May 2012	April 2013	May 2014	August 2015	Change
MW-3	3,700	2,400	39	330	ND	Overall Decrease
MW-6	14,000	5,300	160	1,300	140	Overall Decrease
MW-7	ND	ND	26	9	1.2	Overall Increase
MW-8S	ND	ns	ns	ND	ND	Unchanged
MW-8D	1.8	ns	ns	1.8	ND	Overall Decrease
MW-9	ND	ND	ND	ND	ns	Unchanged
MW-10	ND	ND	ND	ND	ns	Unchanged
MW-11	1,900	30	77	ND	7.6	Overall Decrease
MW-12	220	ns	ns	250	230	Overall Increase
MW-13D	ND	1.2	3.3	1.2	1.4	Overall Increase
MW-13S	ND	3.0	2.8	2.5	190	Overall Increase
MW-16	150	ns	ns	130	190	Overall Increase
MW-17	ns	ns	ns	1.2	4.1	Overall Increase
MW-18	2.9	ns	ns	ND	2	Overall Decrease
MW-19	110	ns	ns	4	20	Overall Decrease
MW-20	350	1,300	3,400	35	860	Overall Increase
MW-21	6,900	1,300	1,400	3,700	850	Overall Decrease
MW-22	1,200	230	41	1,500	2,300	Overall Increase

VC concentrations in groundwater slightly decreased at three (3) locations (MW-7, MW-8D and MW-12) relative to the May 2014 sampling event. Significant concentration decreases were observed at three (3) locations (MW-3, MW-6, and MW-21) relative to the May 2014 sampling event. Slight concentration increases were observed at six (6) locations (MW-11, MW-13D, MW-16, MW-17, MW-18, and MW-19). Significant concentration increases were observed at three (3) locations (MW-13S, MW-20, and MW-22). VC concentrations were not detected at three (3) locations (MW-3, MW-8S, and MW-8D). Increases in VC concentrations were obtained in nine wells and the remaining wells showed decreasing or unchanged concentrations comparing May 2014 data to August 2015 data.

Monitoring wells MW-9 and MW-10 were not sampled during the August 2015 sampling event.

DISCUSSION

Overall, decreasing VOC groundwater concentrations continued in some of the sampled monitoring wells. Where indicated, increasing VOC concentrations may be due to seasonal variations or other factors. Some locations experienced a decrease in one or more VOC concentrations after the second or third injection of EOS. Table 1 (attached) includes the groundwater results from 2002 through 2015.

CLOSING

This report has been prepared for the exclusive use of New York State Department of Environmental Conservation for the specific application to the referenced site in accordance with generally accepted environmental practices. If you have any questions or we can provide further assistance, please contact our office at (716) 649-8110.

Respectfully submitted,
EMPIRE GEOSERVICES, INC.

Andrew Koons
Staff Geologist

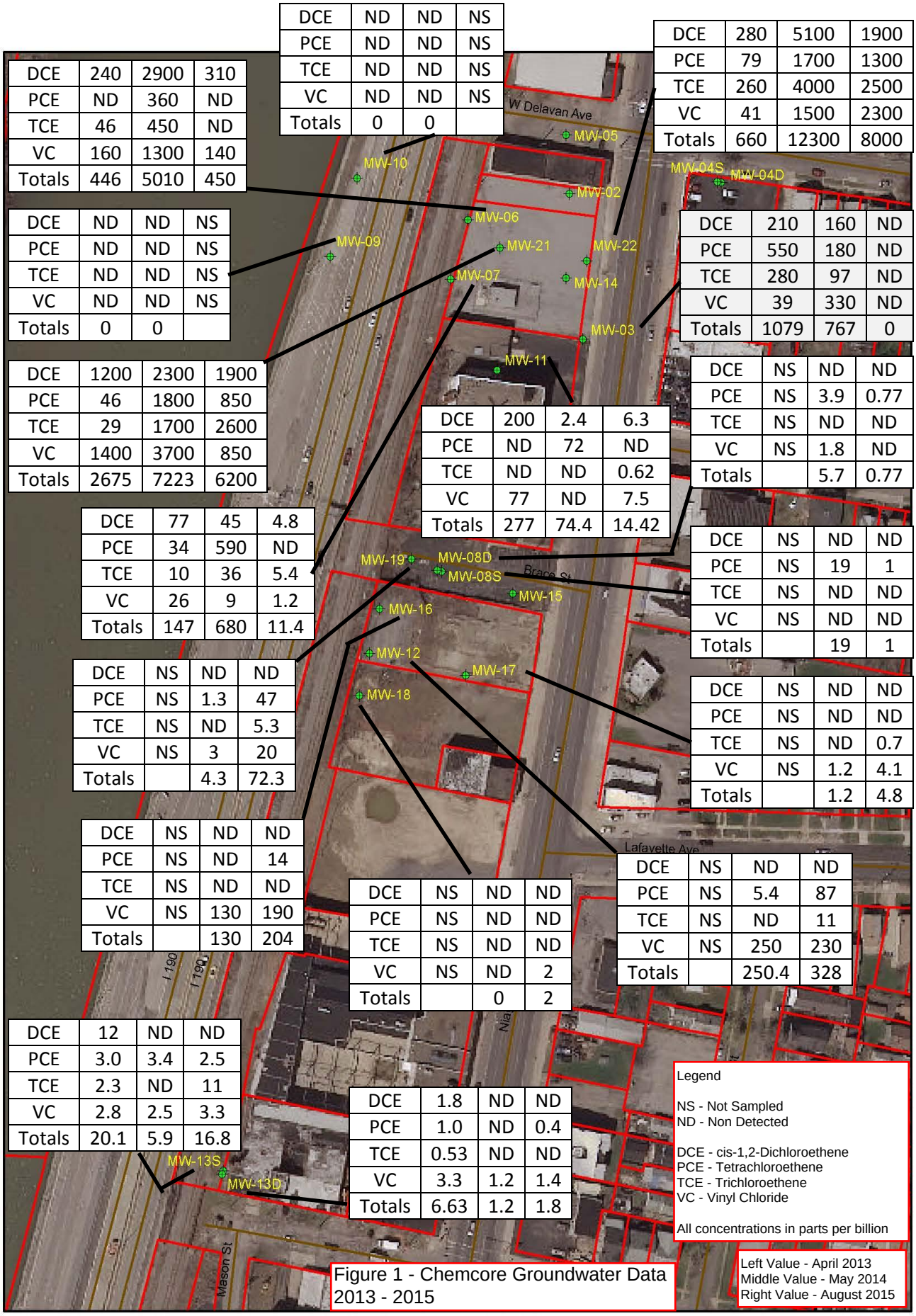
David R. Steiner
Senior Engineering Geologist
Environmental Services Manager

Attachments:

Figure – Well Locations and VOC Concentrations in Groundwater

Table 1 - VOC Concentrations 2002 to 2015

TestAmerica, Inc. Laboratory Reports



DCE	ND	ND	NS
PCE	ND	ND	NS
TCE	ND	ND	NS
VC	ND	ND	NS
Totals	0	0	

DCE	280	5100	1900
PCE	79	1700	1300
TCE	260	4000	2500
VC	41	1500	2300
Totals	660	12300	8000

DCE	240	2900	310
PCE	ND	360	ND
TCE	46	450	ND
VC	160	1300	140
Totals	446	5010	450

DCE	ND	ND	NS
PCE	ND	ND	NS
TCE	ND	ND	NS
VC	ND	ND	NS
Totals	0	0	

DCE	210	160	ND
PCE	550	180	ND
TCE	280	97	ND
VC	39	330	ND
Totals	1079	767	0

DCE	1200	2300	1900
PCE	46	1800	850
TCE	29	1700	2600
VC	1400	3700	850
Totals	2675	7223	6200

DCE	200	2.4	6.3
PCE	ND	72	ND
TCE	ND	ND	0.62
VC	77	ND	7.5
Totals	277	74.4	14.42

DCE	NS	ND	ND
PCE	NS	3.9	0.77
TCE	NS	ND	ND
VC	NS	1.8	ND
Totals		5.7	0.77

DCE	77	45	4.8
PCE	34	590	ND
TCE	10	36	5.4
VC	26	9	1.2
Totals	147	680	11.4

DCE	NS	ND	ND
PCE	NS	19	1
TCE	NS	ND	ND
VC	NS	ND	ND
Totals		19	1

DCE	NS	ND	ND
PCE	NS	1.3	47
TCE	NS	ND	5.3
VC	NS	3	20
Totals		4.3	72.3

DCE	NS	ND	ND
PCE	NS	ND	ND
TCE	NS	ND	0.7
VC	NS	1.2	4.1
Totals		1.2	4.8

DCE	NS	ND	ND
PCE	NS	ND	14
TCE	NS	ND	ND
VC	NS	130	190
Totals		130	204

DCE	NS	ND	ND
PCE	NS	ND	ND
TCE	NS	ND	ND
VC	NS	ND	2
Totals		0	2

DCE	NS	ND	ND
PCE	NS	5.4	87
TCE	NS	ND	11
VC	NS	250	230
Totals		250.4	328

DCE	12	ND	ND
PCE	3.0	3.4	2.5
TCE	2.3	ND	11
VC	2.8	2.5	3.3
Totals	20.1	5.9	16.8

DCE	1.8	ND	ND
PCE	1.0	ND	0.4
TCE	0.53	ND	ND
VC	3.3	1.2	1.4
Totals	6.63	1.2	1.8

Legend

NS - Not Sampled
ND - Non Detected

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

All concentrations in parts per billion

Left Value - April 2013
Middle Value - May 2014
Right Value - August 2015

Figure 1 - Chemcore Groundwater Data 2013 - 2015

Chemcore Site

TABLE 1

[All concentrations in ppb]

Well No.	DCE											PCE										
	2002	2004	Apr. 09	Jul. 09	Oct. 09	Feb. 10	Jul. 11	Apr. 12	Apr. 13	May 2014	Aug 2015	2002	2004	Apr. 09	Jul. 09	Oct. 09	Oct. 10	Jul. 11	Apr. 12	Apr.13	May 2014	Aug 2015
MW-3	990	170	10000	4900	9600	18000	16000	4300	210	160	ND	5400	2000	410	1100	ND	16	170	360	550	180	ND
MW-5	9	6	97	81	97	14	4.5					ND	ND	ND	ND	ND	ND	ND				
MW-6	25000	27000	13000	14000	13000	12000	27000	3300	240	2900	310	ND	29	ND	ND	ND	ND	1	ND	ND	360	ND
MW-7	8500	7000	11	15	28	39	2.9	6.1	77	45	4.8	880	360	12	11	19	26	6	4.8	34	590	3.6
MW-9				ND			ND		ND	ND					ND			ND		ND	ND	
MW-10				ND		ND	ND		ND	ND					ND		ND	ND		ND	ND	
MW-11	110	420	650	66	100	2000	1600	29	200	2.4	6.3	160	340	290	19	27	58	170	ND	ND	72	ND
MW-15		62	1	ND	ND	0.74	1.4						53	ND	ND	ND	ND	0.72				
MW-20			31	1600	12000	110	1200	1700	6200	650	1200			ND	160	ND	0.66	1200	130	140	320	58
MW-21			ND	6.3	87	14	2000	850	1200	2300	1900			ND	2.1	5.7	ND	580	2500	46	1800	850
MW-22			16000	14000	7400	3400	3700	750	280	5100	1900			ND	50	ND	6.9	ND	ND	79	1700	1300
MW-14	30000	4900										21000	5600									
MW-1S	4800	2100										68	84									
MW-1D	310	49										8	ND									
MW-2	6600	5300										550	5700									
MW-8S	93	140				0.74	ND			ND	ND	75	180				ND	0.61			19	1
MW-8D	340	ND				0.58	0.91			0.2	ND	ND	ND				ND	ND			3.9	0.77
MW-12	550	410			3000	3100	5000			ND	ND	2300	1400			ND	4.6	300			5.4	87
MW-13S	9	39	11	8.2	6.7	3.7	3.4	25	12	ND	ND	ND	ND	3.7	4.4	3.7	4.3	3.1	4.1	3.0	3.4	2.5
MW-13D	ND	ND	1.3	0.4	0.46	0.71	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	0.4
MW-16					390	160	66			ND	ND					ND	ND	ND			ND	14
MW-17										ND	ND										ND	ND
MW-18						5.7	2			ND	ND						ND	ND			ND	ND
MW-19						110	64			ND	ND						ND	2.4			1.3	47

Well No.	TCE											VC										
	2002	2004	Apr. 09	Jul. 09	Oct. 09	Oct. 10	Jul. 11	Apr. 12	Apr. 13	May 2014	Aug 2015	2002	2004	Apr. 09	Jul. 09	Oct. 09	Oct. 10	Jul. 11	Apr. 12	Apr. 13	May 2014	Aug 2015
MW-3	1900	390	1200	1200	280	790	2000	900	280	97	ND	ND	9	2100	760	3700	7000	3700	2400	39	330	ND
MW-5	ND	ND	1.1	ND	1.5	ND	ND					3	ND	61	84	99	28	6.9				
MW-6	ND	130	ND	5	ND	3.8	5.8	ND	46	450	ND	9300	5900	8600	8900	11000	11000	14000	5300	160	1300	140
MW-7	4400	480	11	17	21	26	3.9	3.3	10	36	5.4	2900	2200	ND	0.83	5.9	9.2	ND	ND	26	9	1.2
MW-9				ND			ND		ND	ND					ND			ND		ND	ND	
MW-10				ND		ND	ND		ND	ND					ND		ND	ND		ND	ND	
MW-11	85	240	290	44	33	38	200	ND	ND	ND	0.62	14	120	ND	1.4	34	1000	1900	30	77	ND	7.6
MW-15		10	0.86	ND	ND	ND	6.3						ND	ND	ND	ND	ND	ND				
MW-20			0.79	330	ND	1.3	830	210	510	24	70			54	920	5100	93	350	1300	3400	35	860
MW-21			ND	5.8	17	0.82	95	850	29	1700	2600			270	6.8	120	23	6900	1300	1400	3700	850
MW-22			ND	210	ND	7.7	ND	15	260	4000	2500			3000	4800	11000	8400	1200	230	41	1500	2300
MW-14	14000	3800										1900	410									
MW-1S	120	170										1000	590									
MW-1D	18	ND										12	11									
MW-2	520	5400										2700	2300									
MW-8S	22	30				ND	ND			ND	ND	ND	5				ND	ND			ND	ND
MW-8D	17	ND				ND	ND			ND	ND	540	13				0.51	1.8			1.8	ND
MW-12	310	300			ND	1.1	35			ND	11	ND	3			650	920	220			250	230
MW-13S	ND	ND	2.8	3.3	3.2	2.2	2.1	3.5	2.3	ND	11	ND	4	ND	1.1	0.82	ND	ND	3.0	2.8	2.5	3.3
MW-13D	ND	ND	ND	ND	ND	ND	ND	ND	0.53	ND	ND	ND	ND	ND	0.39	0.45	ND	ND	1.2	3.3	1.2	1.4
MW-16					ND	ND	ND			ND	ND					140	120	150			130	190
MW-17										ND	0.7										1.2	4.1
MW-18						ND	ND			ND	ND						3.6	2.9			ND	2
MW-19						ND	1.1			ND	5.3						62	110			3	20

Highlighted values exceed NYSDEC groundwater standards

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-85846-1
Client Project/Site: ChemCore #915176

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

Attn: Mr. Benjamin W Rung

Authorized for release by:
8/28/2015 1:11:12 PM

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

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

Orlette Johnson
Senior Project Manager
8/28/2015 1:11:12 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery 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)

Job ID: 480-85846-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-85846-1

Receipt
The samples were received on 8/19/2015 12:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0º C.

Receipt Exceptions

Sample coc did not list dates of collection. Dates listed on sample container labels were used for login. The following samples are impacted: MW-13S (480-85846-6), MW-13D (480-85846-7), MW-8D (480-85846-8) and MW-8S (480-85846-9)

GC/MS VOA
Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-22 (480-85846-1), MW-21 (480-85846-2), MW-7 (480-85846-4) and MW-8S (480-85846-9).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-22 (480-85846-1), MW-21 (480-85846-2), MW-20 (480-85846-3), MW-11 (480-85846-5), (480-85846-B-3 MS) and (480-85846-B-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260176 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-21 (480-85846-2) and MW-20 (480-85846-3).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-260176 was outside the method criteria for the following analyte: 1,1-Dichloroethene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260252 recovered outside acceptance criteria, low biased, for Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW-22 (480-85846-1), MW-11 (480-85846-5), MW-13D (480-85846-7) and MW-8D (480-85846-8)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260252 recovered above the upper control limit for 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane and Carbon Disulfide. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-11 (480-85846-5), MW-13D (480-85846-7) and MW-8D (480-85846-8).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260252 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and Carbon Disulfide. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-22 (480-85846-1).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-260252 was outside the method criteria for the following analyte: 1,1-Dichloroethene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following sample is impacted: MW-22 (480-85846-1)

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-260442 was outside the method criteria for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following sample is impacted: MW-13S (480-85846-6)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260442 recovered above the upper control limit for Dibromochloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have

Job ID: 480-85846-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

been reported. The following sample is impacted: MW-13S (480-85846-6).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260442 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and Dibromochloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-20 (480-85846-3), MW-7 (480-85846-4), MW-11 (480-85846-5) and MW-8S (480-85846-9).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-260176 recovered outside control limits for the following analytes: Bromoform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore the data have been reported.

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-260442 recovered outside control limits for the following analytes: Bromoform and Dibromochloromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW-20 (480-85846-3), MW-7 (480-85846-4), MW-11 (480-85846-5), MW-13S (480-85846-6) and MW-8S (480-85846-9)

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

Detection Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-22 — Lab Sample ID: 480-85846-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1900		100	82	ug/L	100		8260C	Total/NA
1,1-Dichloroethane	1900		100	38	ug/L	100		8260C	Total/NA
1,1-Dichloroethene	93	J ^	100	29	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	1900		100	81	ug/L	100		8260C	Total/NA
Methylcyclohexane	62	J	100	16	ug/L	100		8260C	Total/NA
Methylene Chloride	57	J	100	44	ug/L	100		8260C	Total/NA
Tetrachloroethene	1300		100	36	ug/L	100		8260C	Total/NA
Toluene	510		100	51	ug/L	100		8260C	Total/NA
Trichloroethene	2500		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride	2300		100	90	ug/L	100		8260C	Total/NA
Xylenes, Total	230		200	66	ug/L	100		8260C	Total/NA

Client Sample ID: MW-21 — Lab Sample ID: 480-85846-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1200		200	160	ug/L	200		8260C	Total/NA
1,1-Dichloroethane	1900		200	76	ug/L	200		8260C	Total/NA
Chloroethane	290		200	64	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	16000		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene	850		200	72	ug/L	200		8260C	Total/NA
Toluene	740		200	100	ug/L	200		8260C	Total/NA
Trichloroethene	2600		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride	850		200	180	ug/L	200		8260C	Total/NA
Xylenes, Total	260	J	400	130	ug/L	200		8260C	Total/NA

Client Sample ID: MW-20 — Lab Sample ID: 480-85846-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	130		10	8.2	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	12	^	10	2.9	ug/L	10		8260C	Total/NA
1,2-Dichloroethane	11		10	2.1	ug/L	10		8260C	Total/NA
Acetone	140		100	30	ug/L	10		8260C	Total/NA
Chloroethane	33		10	3.2	ug/L	10		8260C	Total/NA
Chloroform	12		10	3.4	ug/L	10		8260C	Total/NA
Tetrachloroethene	58		10	3.6	ug/L	10		8260C	Total/NA
Toluene	97		10	5.1	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	28		10	9.0	ug/L	10		8260C	Total/NA
Trichloroethene	70		10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	860		10	9.0	ug/L	10		8260C	Total/NA
Xylenes, Total	34		20	6.6	ug/L	10		8260C	Total/NA
1,1-Dichloroethane - DL	1200	F1	25	9.5	ug/L	25		8260C	Total/NA
cis-1,2-Dichloroethene - DL	1200	F1	25	20	ug/L	25		8260C	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 480-85846-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.8		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	29		10	1.3	ug/L	1		8260C	Total/NA
2-Hexanone	23		5.0	1.2	ug/L	1		8260C	Total/NA
Acetone	45		10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-7 (Continued) — Lab Sample ID: 480-85846-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.56	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	9.4		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	26		1.0	0.81	ug/L	1		8260C	Total/NA
Methylene Chloride	2.4		1.0	0.44	ug/L	1		8260C	Total/NA
Tetrachloroethene	3.6		1.0	0.36	ug/L	1		8260C	Total/NA
Toluene	2.0		1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	5.4		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.2		1.0	0.90	ug/L	1		8260C	Total/NA
Xylenes, Total	0.71	J	2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 480-85846-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	6.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.66	J	1.0	0.21	ug/L	1		8260C	Total/NA
Acetone	14		10	3.0	ug/L	1		8260C	Total/NA
Benzene	2.6		1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	6.7		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.19	J	1.0	0.16	ug/L	1		8260C	Total/NA
Methylene Chloride	1.0		1.0	0.44	ug/L	1		8260C	Total/NA
Toluene	1.2		1.0	0.51	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.90	J	1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	0.62	J	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	7.6		1.0	0.90	ug/L	1		8260C	Total/NA
Chloroethane - DL	180		4.0	1.3	ug/L	4		8260C	Total/NA

Client Sample ID: MW-13S — Lab Sample ID: 480-85846-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	56	^	1.0	0.31	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	50		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.5		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.3		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	11		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	3.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-13D — Lab Sample ID: 480-85846-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.41	J	1.0	0.36	ug/L	1		8260C	Total/NA
Vinyl chloride	1.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-8D — Lab Sample ID: 480-85846-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	4.2		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L	1		8260C	Total/NA
Methylene Chloride	0.64	J	1.0	0.44	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.77	J	1.0	0.36	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-8S — Lab Sample ID: 480-85846-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.6		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.0		1.0	0.36	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-22
Date Collected: 08/17/15 11:00
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1900**		100	82	ug/L			08/25/15 18:59	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			08/25/15 18:59	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			08/25/15 18:59	100
1,1,2-Trichloroethane	ND		100	23	ug/L			08/25/15 18:59	100
1,1-Dichloroethane	**1900**		100	38	ug/L			08/25/15 18:59	100
1,1-Dichloroethene	**93**	**J ^**	100	29	ug/L			08/25/15 18:59	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			08/25/15 18:59	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			08/25/15 18:59	100
1,2-Dibromoethane	ND		100	73	ug/L			08/25/15 18:59	100
1,2-Dichlorobenzene	ND		100	79	ug/L			08/25/15 18:59	100
1,2-Dichloroethane	ND		100	21	ug/L			08/25/15 18:59	100
1,2-Dichloropropane	ND		100	72	ug/L			08/25/15 18:59	100
1,3-Dichlorobenzene	ND		100	78	ug/L			08/25/15 18:59	100
1,4-Dichlorobenzene	ND		100	84	ug/L			08/25/15 18:59	100
2-Butanone (MEK)	ND		1000	130	ug/L			08/25/15 18:59	100
2-Hexanone	ND		500	120	ug/L			08/25/15 18:59	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			08/25/15 18:59	100
Acetone	ND		1000	300	ug/L			08/25/15 18:59	100
Benzene	ND		100	41	ug/L			08/25/15 18:59	100
Bromodichloromethane	ND		100	39	ug/L			08/25/15 18:59	100
Bromoform	ND		100	26	ug/L			08/25/15 18:59	100
Bromomethane	ND		100	69	ug/L			08/25/15 18:59	100
Carbon disulfide	ND		100	19	ug/L			08/25/15 18:59	100
Carbon tetrachloride	ND		100	27	ug/L			08/25/15 18:59	100
Chlorobenzene	ND		100	75	ug/L			08/25/15 18:59	100
Chloroethane	ND		100	32	ug/L			08/25/15 18:59	100
Chloroform	ND		100	34	ug/L			08/25/15 18:59	100
Chloromethane	ND		100	35	ug/L			08/25/15 18:59	100
cis-1,2-Dichloroethene	**1900**		100	81	ug/L			08/25/15 18:59	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			08/25/15 18:59	100
Cyclohexane	ND		100	18	ug/L			08/25/15 18:59	100
Dibromochloromethane	ND		100	32	ug/L			08/25/15 18:59	100
Dichlorodifluoromethane	ND		100	68	ug/L			08/25/15 18:59	100
Ethylbenzene	ND		100	74	ug/L			08/25/15 18:59	100
Isopropylbenzene	ND		100	79	ug/L			08/25/15 18:59	100
Methyl acetate	ND		250	130	ug/L			08/25/15 18:59	100
Methyl tert-butyl ether	ND		100	16	ug/L			08/25/15 18:59	100
Methylcyclohexane	**62**	**J**	100	16	ug/L			08/25/15 18:59	100
Methylene Chloride	**57**	**J**	100	44	ug/L			08/25/15 18:59	100
Styrene	ND		100	73	ug/L			08/25/15 18:59	100
Tetrachloroethene	**1300**		100	36	ug/L			08/25/15 18:59	100
Toluene	**510**		100	51	ug/L			08/25/15 18:59	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			08/25/15 18:59	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			08/25/15 18:59	100
Trichloroethene	**2500**		100	46	ug/L			08/25/15 18:59	100
Trichlorofluoromethane	ND		100	88	ug/L			08/25/15 18:59	100
Vinyl chloride	**2300**		100	90	ug/L			08/25/15 18:59	100
Xylenes, Total	**230**		200	66	ug/L			08/25/15 18:59	100

Client Sample Results

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-22
Date Collected: 08/17/15 11:00
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		08/25/15 18:59	100
4-Bromofluorobenzene (Surr)	92		73 - 120		08/25/15 18:59	100
Toluene-d8 (Surr)	101		71 - 126		08/25/15 18:59	100

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-21
Date Collected: 08/17/15 13:11
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1200**		200	160	ug/L			08/25/15 05:00	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			08/25/15 05:00	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			08/25/15 05:00	200
1,1,2-Trichloroethane	ND		200	46	ug/L			08/25/15 05:00	200
1,1-Dichloroethane	**1900**		200	76	ug/L			08/25/15 05:00	200
1,1-Dichloroethene	ND		200	58	ug/L			08/25/15 05:00	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			08/25/15 05:00	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			08/25/15 05:00	200
1,2-Dibromoethane	ND		200	150	ug/L			08/25/15 05:00	200
1,2-Dichlorobenzene	ND		200	160	ug/L			08/25/15 05:00	200
1,2-Dichloroethane	ND		200	42	ug/L			08/25/15 05:00	200
1,2-Dichloropropane	ND		200	140	ug/L			08/25/15 05:00	200
1,3-Dichlorobenzene	ND		200	160	ug/L			08/25/15 05:00	200
1,4-Dichlorobenzene	ND		200	170	ug/L			08/25/15 05:00	200
2-Butanone (MEK)	ND		2000	260	ug/L			08/25/15 05:00	200
2-Hexanone	ND		1000	250	ug/L			08/25/15 05:00	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			08/25/15 05:00	200
Acetone	ND		2000	600	ug/L			08/25/15 05:00	200
Benzene	ND		200	82	ug/L			08/25/15 05:00	200
Bromodichloromethane	ND		200	78	ug/L			08/25/15 05:00	200
Bromoform	ND	*	200	52	ug/L			08/25/15 05:00	200
Bromomethane	ND		200	140	ug/L			08/25/15 05:00	200
Carbon disulfide	ND		200	38	ug/L			08/25/15 05:00	200
Carbon tetrachloride	ND		200	54	ug/L			08/25/15 05:00	200
Chlorobenzene	ND		200	150	ug/L			08/25/15 05:00	200
Chloroethane	**290**		200	64	ug/L			08/25/15 05:00	200
Chloroform	ND		200	68	ug/L			08/25/15 05:00	200
Chloromethane	ND		200	70	ug/L			08/25/15 05:00	200
cis-1,2-Dichloroethene	**16000**		200	160	ug/L			08/25/15 05:00	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			08/25/15 05:00	200
Cyclohexane	ND		200	36	ug/L			08/25/15 05:00	200
Dibromochloromethane	ND		200	64	ug/L			08/25/15 05:00	200
Dichlorodifluoromethane	ND		200	140	ug/L			08/25/15 05:00	200
Ethylbenzene	ND		200	150	ug/L			08/25/15 05:00	200
Isopropylbenzene	ND		200	160	ug/L			08/25/15 05:00	200
Methyl acetate	ND		500	260	ug/L			08/25/15 05:00	200
Methyl tert-butyl ether	ND		200	32	ug/L			08/25/15 05:00	200
Methylcyclohexane	ND		200	32	ug/L			08/25/15 05:00	200
Methylene Chloride	ND		200	88	ug/L			08/25/15 05:00	200
Styrene	ND		200	150	ug/L			08/25/15 05:00	200
Tetrachloroethene	**850**		200	72	ug/L			08/25/15 05:00	200
Toluene	**740**		200	100	ug/L			08/25/15 05:00	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			08/25/15 05:00	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			08/25/15 05:00	200
Trichloroethene	**2600**		200	92	ug/L			08/25/15 05:00	200
Trichlorofluoromethane	ND		200	180	ug/L			08/25/15 05:00	200
Vinyl chloride	**850**		200	180	ug/L			08/25/15 05:00	200
Xylenes, Total	**260**	**J**	400	130	ug/L			08/25/15 05:00	200

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-21
Date Collected: 08/17/15 13:11
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		66 - 137		08/25/15 05:00	200
4-Bromofluorobenzene (Surr)	94		73 - 120		08/25/15 05:00	200
Toluene-d8 (Surr)	98		71 - 126		08/25/15 05:00	200

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-20
Date Collected: 08/17/15 14:35
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**130**		10	8.2	ug/L			08/25/15 05:22	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			08/25/15 05:22	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			08/25/15 05:22	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			08/25/15 05:22	10
1,1-Dichloroethene	**12**	^	10	2.9	ug/L			08/25/15 05:22	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			08/25/15 05:22	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			08/25/15 05:22	10
1,2-Dibromoethane	ND		10	7.3	ug/L			08/25/15 05:22	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			08/25/15 05:22	10
1,2-Dichloroethane	**11**		10	2.1	ug/L			08/25/15 05:22	10
1,2-Dichloropropane	ND		10	7.2	ug/L			08/25/15 05:22	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			08/25/15 05:22	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			08/25/15 05:22	10
2-Butanone (MEK)	ND		100	13	ug/L			08/25/15 05:22	10
2-Hexanone	ND		50	12	ug/L			08/25/15 05:22	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			08/25/15 05:22	10
Acetone	**140**		100	30	ug/L			08/25/15 05:22	10
Benzene	ND		10	4.1	ug/L			08/25/15 05:22	10
Bromodichloromethane	ND		10	3.9	ug/L			08/25/15 05:22	10
Bromoform	ND	*	10	2.6	ug/L			08/25/15 05:22	10
Bromomethane	ND		10	6.9	ug/L			08/25/15 05:22	10
Carbon disulfide	ND		10	1.9	ug/L			08/25/15 05:22	10
Carbon tetrachloride	ND		10	2.7	ug/L			08/25/15 05:22	10
Chlorobenzene	ND		10	7.5	ug/L			08/25/15 05:22	10
Chloroethane	**33**		10	3.2	ug/L			08/25/15 05:22	10
Chloroform	**12**		10	3.4	ug/L			08/25/15 05:22	10
Chloromethane	ND		10	3.5	ug/L			08/25/15 05:22	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			08/25/15 05:22	10
Cyclohexane	ND		10	1.8	ug/L			08/25/15 05:22	10
Dibromochloromethane	ND		10	3.2	ug/L			08/25/15 05:22	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			08/25/15 05:22	10
Ethylbenzene	ND		10	7.4	ug/L			08/25/15 05:22	10
Isopropylbenzene	ND		10	7.9	ug/L			08/25/15 05:22	10
Methyl acetate	ND		25	13	ug/L			08/25/15 05:22	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			08/25/15 05:22	10
Methylcyclohexane	ND		10	1.6	ug/L			08/25/15 05:22	10
Methylene Chloride	ND		10	4.4	ug/L			08/25/15 05:22	10
Styrene	ND		10	7.3	ug/L			08/25/15 05:22	10
Tetrachloroethene	**58**		10	3.6	ug/L			08/25/15 05:22	10
Toluene	**97**		10	5.1	ug/L			08/25/15 05:22	10
trans-1,2-Dichloroethene	**28**		10	9.0	ug/L			08/25/15 05:22	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			08/25/15 05:22	10
Trichloroethene	**70**		10	4.6	ug/L			08/25/15 05:22	10
Trichlorofluoromethane	ND		10	8.8	ug/L			08/25/15 05:22	10
Vinyl chloride	**860**		10	9.0	ug/L			08/25/15 05:22	10
Xylenes, Total	**34**		20	6.6	ug/L			08/25/15 05:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*08/25/15 05:22*	*10*

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-20
Date Collected: 08/17/15 14:35
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*08/25/15 05:22*	*10*
Toluene-d8 (Surr)	*98*		*71 - 126*		*08/25/15 05:22*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**1200**	**F1**	25	9.5	ug/L			08/26/15 12:44	25
cis-1,2-Dichloroethene	**1200**	**F1**	25	20	ug/L			08/26/15 12:44	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*08/26/15 12:44*	*25*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*08/26/15 12:44*	*25*
Toluene-d8 (Surr)	*100*		*71 - 126*		*08/26/15 12:44*	*25*

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-7
Date Collected: 08/17/15 15:30
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/26/15 13:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/26/15 13:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/26/15 13:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/26/15 13:06	1
1,1-Dichloroethane	**4.8**		1.0	0.38	ug/L			08/26/15 13:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/26/15 13:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/26/15 13:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/26/15 13:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/26/15 13:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/26/15 13:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/26/15 13:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/26/15 13:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/26/15 13:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/26/15 13:06	1
2-Butanone (MEK)	**29**		10	1.3	ug/L			08/26/15 13:06	1
2-Hexanone	**23**		5.0	1.2	ug/L			08/26/15 13:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/26/15 13:06	1
Acetone	**45**		10	3.0	ug/L			08/26/15 13:06	1
Benzene	**0.56**	**J**	1.0	0.41	ug/L			08/26/15 13:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/26/15 13:06	1
Bromoform	ND	*	1.0	0.26	ug/L			08/26/15 13:06	1
Bromomethane	ND		1.0	0.69	ug/L			08/26/15 13:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/26/15 13:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/26/15 13:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/26/15 13:06	1
Chloroethane	**9.4**		1.0	0.32	ug/L			08/26/15 13:06	1
Chloroform	ND		1.0	0.34	ug/L			08/26/15 13:06	1
Chloromethane	ND		1.0	0.35	ug/L			08/26/15 13:06	1
cis-1,2-Dichloroethene	**26**		1.0	0.81	ug/L			08/26/15 13:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/26/15 13:06	1
Cyclohexane	ND		1.0	0.18	ug/L			08/26/15 13:06	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			08/26/15 13:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/26/15 13:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/15 13:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/26/15 13:06	1
Methyl acetate	ND		2.5	1.3	ug/L			08/26/15 13:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/26/15 13:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/26/15 13:06	1
Methylene Chloride	**2.4**		1.0	0.44	ug/L			08/26/15 13:06	1
Styrene	ND		1.0	0.73	ug/L			08/26/15 13:06	1
Tetrachloroethene	**3.6**		1.0	0.36	ug/L			08/26/15 13:06	1
Toluene	**2.0**		1.0	0.51	ug/L			08/26/15 13:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/26/15 13:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/26/15 13:06	1
Trichloroethene	**5.4**		1.0	0.46	ug/L			08/26/15 13:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/26/15 13:06	1
Vinyl chloride	**1.2**		1.0	0.90	ug/L			08/26/15 13:06	1
Xylenes, Total	**0.71**	**J**	2.0	0.66	ug/L			08/26/15 13:06	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-7
Date Collected: 08/17/15 15:30
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 137		08/26/15 13:06	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/26/15 13:06	1
Toluene-d8 (Surr)	100		71 - 126		08/26/15 13:06	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-11
Date Collected: 08/18/15 09:45
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/25/15 20:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/25/15 20:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/25/15 20:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/25/15 20:07	1
1,1-Dichloroethane	**6.3**		1.0	0.38	ug/L			08/25/15 20:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/25/15 20:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/25/15 20:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/25/15 20:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/25/15 20:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/25/15 20:07	1
1,2-Dichloroethane	**0.66**	**J**	1.0	0.21	ug/L			08/25/15 20:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/25/15 20:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/25/15 20:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/25/15 20:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/25/15 20:07	1
2-Hexanone	ND		5.0	1.2	ug/L			08/25/15 20:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/25/15 20:07	1
Acetone	**14**		10	3.0	ug/L			08/25/15 20:07	1
Benzene	**2.6**		1.0	0.41	ug/L			08/25/15 20:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/25/15 20:07	1
Bromoform	ND		1.0	0.26	ug/L			08/25/15 20:07	1
Bromomethane	ND		1.0	0.69	ug/L			08/25/15 20:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/25/15 20:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/25/15 20:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/25/15 20:07	1
Chloroform	ND		1.0	0.34	ug/L			08/25/15 20:07	1
Chloromethane	ND		1.0	0.35	ug/L			08/25/15 20:07	1
cis-1,2-Dichloroethene	**6.7**		1.0	0.81	ug/L			08/25/15 20:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/25/15 20:07	1
Cyclohexane	ND		1.0	0.18	ug/L			08/25/15 20:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/25/15 20:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/25/15 20:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/25/15 20:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/25/15 20:07	1
Methyl acetate	ND		2.5	1.3	ug/L			08/25/15 20:07	1
Methyl tert-butyl ether	**0.19**	**J**	1.0	0.16	ug/L			08/25/15 20:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/25/15 20:07	1
Methylene Chloride	**1.0**		1.0	0.44	ug/L			08/25/15 20:07	1
Styrene	ND		1.0	0.73	ug/L			08/25/15 20:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/25/15 20:07	1
Toluene	**1.2**		1.0	0.51	ug/L			08/25/15 20:07	1
trans-1,2-Dichloroethene	**0.90**	**J**	1.0	0.90	ug/L			08/25/15 20:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/25/15 20:07	1
Trichloroethene	**0.62**	**J**	1.0	0.46	ug/L			08/25/15 20:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/25/15 20:07	1
Vinyl chloride	**7.6**		1.0	0.90	ug/L			08/25/15 20:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/25/15 20:07	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-11
Date Collected: 08/18/15 09:45
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*08/25/15 20:07*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*08/25/15 20:07*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*08/25/15 20:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	**180**		4.0	1.3	ug/L			08/26/15 13:29	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*08/26/15 13:29*	*4*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/26/15 13:29*	*4*
Toluene-d8 (Surr)	*99*		*71 - 126*		*08/26/15 13:29*	*4*

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-13S
Date Collected: 08/18/15 11:45
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/26/15 13:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/26/15 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**56**	^	1.0	0.31	ug/L			08/26/15 13:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/26/15 13:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/26/15 13:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/26/15 13:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/26/15 13:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/26/15 13:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/26/15 13:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/26/15 13:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/26/15 13:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/26/15 13:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/26/15 13:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/26/15 13:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/26/15 13:52	1
2-Hexanone	ND		5.0	1.2	ug/L			08/26/15 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/26/15 13:52	1
Acetone	ND		10	3.0	ug/L			08/26/15 13:52	1
Benzene	ND		1.0	0.41	ug/L			08/26/15 13:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/26/15 13:52	1
Bromoform	ND	*	1.0	0.26	ug/L			08/26/15 13:52	1
Bromomethane	ND		1.0	0.69	ug/L			08/26/15 13:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/26/15 13:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/26/15 13:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/26/15 13:52	1
Chloroethane	ND		1.0	0.32	ug/L			08/26/15 13:52	1
Chloroform	ND		1.0	0.34	ug/L			08/26/15 13:52	1
Chloromethane	ND		1.0	0.35	ug/L			08/26/15 13:52	1
cis-1,2-Dichloroethene	**50**		1.0	0.81	ug/L			08/26/15 13:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/26/15 13:52	1
Cyclohexane	ND		1.0	0.18	ug/L			08/26/15 13:52	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			08/26/15 13:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/26/15 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/15 13:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/26/15 13:52	1
Methyl acetate	ND		2.5	1.3	ug/L			08/26/15 13:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/26/15 13:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/26/15 13:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/26/15 13:52	1
Styrene	ND		1.0	0.73	ug/L			08/26/15 13:52	1
Tetrachloroethene	**2.5**		1.0	0.36	ug/L			08/26/15 13:52	1
Toluene	ND		1.0	0.51	ug/L			08/26/15 13:52	1
trans-1,2-Dichloroethene	**1.3**		1.0	0.90	ug/L			08/26/15 13:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/26/15 13:52	1
Trichloroethene	**11**		1.0	0.46	ug/L			08/26/15 13:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/26/15 13:52	1
Vinyl chloride	**3.3**		1.0	0.90	ug/L			08/26/15 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/15 13:52	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-13S
Date Collected: 08/18/15 11:45
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		08/26/15 13:52	1
4-Bromofluorobenzene (Surr)	96		73 - 120		08/26/15 13:52	1
Toluene-d8 (Surr)	98		71 - 126		08/26/15 13:52	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-13D
Date Collected: 08/18/15 11:55
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/25/15 20:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/25/15 20:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/25/15 20:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/25/15 20:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/25/15 20:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/25/15 20:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/25/15 20:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/25/15 20:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/25/15 20:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/25/15 20:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/15 20:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/25/15 20:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/25/15 20:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/25/15 20:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/25/15 20:53	1
2-Hexanone	ND		5.0	1.2	ug/L			08/25/15 20:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/25/15 20:53	1
Acetone	ND		10	3.0	ug/L			08/25/15 20:53	1
Benzene	ND		1.0	0.41	ug/L			08/25/15 20:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/25/15 20:53	1
Bromoform	ND		1.0	0.26	ug/L			08/25/15 20:53	1
Bromomethane	ND		1.0	0.69	ug/L			08/25/15 20:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/25/15 20:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/25/15 20:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/25/15 20:53	1
Chloroethane	ND		1.0	0.32	ug/L			08/25/15 20:53	1
Chloroform	ND		1.0	0.34	ug/L			08/25/15 20:53	1
Chloromethane	ND		1.0	0.35	ug/L			08/25/15 20:53	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			08/25/15 20:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/25/15 20:53	1
Cyclohexane	ND		1.0	0.18	ug/L			08/25/15 20:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/25/15 20:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/25/15 20:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/25/15 20:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/25/15 20:53	1
Methyl acetate	ND		2.5	1.3	ug/L			08/25/15 20:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/25/15 20:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/25/15 20:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/25/15 20:53	1
Styrene	ND		1.0	0.73	ug/L			08/25/15 20:53	1
Tetrachloroethene	**0.41**	**J**	1.0	0.36	ug/L			08/25/15 20:53	1
Toluene	ND		1.0	0.51	ug/L			08/25/15 20:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/25/15 20:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/25/15 20:53	1
Trichloroethene	ND		1.0	0.46	ug/L			08/25/15 20:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/25/15 20:53	1
Vinyl chloride	**1.4**		1.0	0.90	ug/L			08/25/15 20:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/25/15 20:53	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-13D
Date Collected: 08/18/15 11:55
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 137		08/25/15 20:53	1
4-Bromofluorobenzene (Surr)	95		73 - 120		08/25/15 20:53	1
Toluene-d8 (Surr)	97		71 - 126		08/25/15 20:53	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-8D
Date Collected: 08/18/15 14:25
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/25/15 21:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/25/15 21:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/25/15 21:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/25/15 21:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/25/15 21:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/25/15 21:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/25/15 21:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/25/15 21:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/25/15 21:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/25/15 21:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/15 21:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/25/15 21:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/25/15 21:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/25/15 21:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/25/15 21:16	1
2-Hexanone	ND		5.0	1.2	ug/L			08/25/15 21:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/25/15 21:16	1
Acetone	ND		10	3.0	ug/L			08/25/15 21:16	1
Benzene	ND		1.0	0.41	ug/L			08/25/15 21:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/25/15 21:16	1
Bromoform	ND		1.0	0.26	ug/L			08/25/15 21:16	1
Bromomethane	ND		1.0	0.69	ug/L			08/25/15 21:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/25/15 21:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/25/15 21:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/25/15 21:16	1
Chloroethane	**4.2**		1.0	0.32	ug/L			08/25/15 21:16	1
Chloroform	ND		1.0	0.34	ug/L			08/25/15 21:16	1
Chloromethane	ND		1.0	0.35	ug/L			08/25/15 21:16	1
cis-1,2-Dichloroethene	**1.0**		1.0	0.81	ug/L			08/25/15 21:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/25/15 21:16	1
Cyclohexane	ND		1.0	0.18	ug/L			08/25/15 21:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/25/15 21:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/25/15 21:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/25/15 21:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/25/15 21:16	1
Methyl acetate	ND		2.5	1.3	ug/L			08/25/15 21:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/25/15 21:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/25/15 21:16	1
Methylene Chloride	**0.64**	**J**	1.0	0.44	ug/L			08/25/15 21:16	1
Styrene	ND		1.0	0.73	ug/L			08/25/15 21:16	1
Tetrachloroethene	**0.77**	**J**	1.0	0.36	ug/L			08/25/15 21:16	1
Toluene	ND		1.0	0.51	ug/L			08/25/15 21:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/25/15 21:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/25/15 21:16	1
Trichloroethene	ND		1.0	0.46	ug/L			08/25/15 21:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/25/15 21:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/25/15 21:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/25/15 21:16	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-8D
Date Collected: 08/18/15 14:25
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 137		08/25/15 21:16	1
4-Bromofluorobenzene (Surr)	92		73 - 120		08/25/15 21:16	1
Toluene-d8 (Surr)	97		71 - 126		08/25/15 21:16	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-8S
Date Collected: 08/18/15 14:45
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/26/15 14:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/26/15 14:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/26/15 14:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/26/15 14:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/26/15 14:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/26/15 14:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/26/15 14:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/26/15 14:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/26/15 14:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/26/15 14:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/26/15 14:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/26/15 14:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/26/15 14:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/26/15 14:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/26/15 14:15	1
2-Hexanone	ND		5.0	1.2	ug/L			08/26/15 14:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/26/15 14:15	1
Acetone	ND		10	3.0	ug/L			08/26/15 14:15	1
Benzene	ND		1.0	0.41	ug/L			08/26/15 14:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/26/15 14:15	1
Bromoform	ND	*	1.0	0.26	ug/L			08/26/15 14:15	1
Bromomethane	ND		1.0	0.69	ug/L			08/26/15 14:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/26/15 14:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/26/15 14:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/26/15 14:15	1
Chloroethane	ND		1.0	0.32	ug/L			08/26/15 14:15	1
Chloroform	ND		1.0	0.34	ug/L			08/26/15 14:15	1
Chloromethane	ND		1.0	0.35	ug/L			08/26/15 14:15	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.81	ug/L			08/26/15 14:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/26/15 14:15	1
Cyclohexane	ND		1.0	0.18	ug/L			08/26/15 14:15	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			08/26/15 14:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/26/15 14:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/15 14:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/26/15 14:15	1
Methyl acetate	ND		2.5	1.3	ug/L			08/26/15 14:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/26/15 14:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/26/15 14:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/26/15 14:15	1
Styrene	ND		1.0	0.73	ug/L			08/26/15 14:15	1
Tetrachloroethene	**1.0**		1.0	0.36	ug/L			08/26/15 14:15	1
Toluene	ND		1.0	0.51	ug/L			08/26/15 14:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/26/15 14:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/26/15 14:15	1
Trichloroethene	ND		1.0	0.46	ug/L			08/26/15 14:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/26/15 14:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/26/15 14:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/15 14:15	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-8S
Date Collected: 08/18/15 14:45
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		08/26/15 14:15	1
4-Bromofluorobenzene (Surr)	97		73 - 120		08/26/15 14:15	1
Toluene-d8 (Surr)	100		71 - 126		08/26/15 14:15	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)
480-85846-1	MW-22	98	92	101
480-85846-2	MW-21	111	94	98
480-85846-3	MW-20	109	93	98
480-85846-3 - DL	MW-20	102	97	100
480-85846-3 MS	MW-20	108	101	103
480-85846-3 MSD	MW-20	110	105	103
480-85846-4	MW-7	110	101	100
480-85846-5	MW-11	106	95	99
480-85846-5 - DL	MW-11	109	98	99
480-85846-6	MW-13S	108	96	98
480-85846-7	MW-13D	107	95	97
480-85846-8	MW-8D	107	92	97
480-85846-9	MW-8S	109	97	100
LCS 480-260176/5	Lab Control Sample	103	103	101
LCS 480-260252/5	Lab Control Sample	108	102	102
LCS 480-260442/5	Lab Control Sample	104	102	98
MB 480-260176/7	Method Blank	107	98	97
MB 480-260252/31	Method Blank	110	98	100
MB 480-260442/10	Method Blank	107	96	99

Surrogate Legend

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

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

Lab Sample ID: MB 480-260176/7
Matrix: Water
Analysis Batch: 260176

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/24/15 22:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/24/15 22:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/24/15 22:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/24/15 22:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/24/15 22:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/24/15 22:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/24/15 22:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/24/15 22:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/24/15 22:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/24/15 22:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/15 22:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/24/15 22:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/24/15 22:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/24/15 22:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/24/15 22:29	1
2-Hexanone	ND		5.0	1.2	ug/L			08/24/15 22:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/24/15 22:29	1
Acetone	ND		10	3.0	ug/L			08/24/15 22:29	1
Benzene	ND		1.0	0.41	ug/L			08/24/15 22:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/24/15 22:29	1
Bromoform	ND		1.0	0.26	ug/L			08/24/15 22:29	1
Bromomethane	ND		1.0	0.69	ug/L			08/24/15 22:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/24/15 22:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/24/15 22:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/24/15 22:29	1
Chloroethane	ND		1.0	0.32	ug/L			08/24/15 22:29	1
Chloroform	ND		1.0	0.34	ug/L			08/24/15 22:29	1
Chloromethane	ND		1.0	0.35	ug/L			08/24/15 22:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/24/15 22:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/24/15 22:29	1
Cyclohexane	ND		1.0	0.18	ug/L			08/24/15 22:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/24/15 22:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/24/15 22:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/15 22:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/24/15 22:29	1
Methyl acetate	ND		2.5	1.3	ug/L			08/24/15 22:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/24/15 22:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/24/15 22:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/24/15 22:29	1
Styrene	ND		1.0	0.73	ug/L			08/24/15 22:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/24/15 22:29	1
Toluene	ND		1.0	0.51	ug/L			08/24/15 22:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/24/15 22:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/24/15 22:29	1
Trichloroethene	ND		1.0	0.46	ug/L			08/24/15 22:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/24/15 22:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/24/15 22:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/15 22:29	1

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

Lab Sample ID: MB 480-260176/7
Matrix: Water
Analysis Batch: 260176

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*08/24/15 22:29*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/24/15 22:29*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*08/24/15 22:29*	*1*

Lab Sample ID: LCS 480-260176/5
Matrix: Water
Analysis Batch: 260176

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.7		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	29.2		ug/L		117	58 - 121
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 127
Benzene	25.0	24.9		ug/L		100	71 - 124
Chlorobenzene	25.0	24.8		ug/L		99	72 - 120
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Methyl tert-butyl ether	25.0	25.9		ug/L		103	64 - 127
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
Trichloroethene	25.0	24.7		ug/L		99	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Toluene-d8 (Surr)	*101*		*71 - 126*

Lab Sample ID: MB 480-260252/31
Matrix: Water
Analysis Batch: 260252

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/25/15 17:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/25/15 17:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/25/15 17:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/25/15 17:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/25/15 17:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/25/15 17:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/25/15 17:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/25/15 17:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/25/15 17:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/25/15 17:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/15 17:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/25/15 17:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/25/15 17:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/25/15 17:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/25/15 17:05	1

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

Lab Sample ID: MB 480-260252/31
Matrix: Water
Analysis Batch: 260252

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	1.2	ug/L			08/25/15 17:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/25/15 17:05	1
Acetone	ND		10	3.0	ug/L			08/25/15 17:05	1
Benzene	ND		1.0	0.41	ug/L			08/25/15 17:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/25/15 17:05	1
Bromoform	ND		1.0	0.26	ug/L			08/25/15 17:05	1
Bromomethane	ND		1.0	0.69	ug/L			08/25/15 17:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/25/15 17:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/25/15 17:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/25/15 17:05	1
Chloroethane	ND		1.0	0.32	ug/L			08/25/15 17:05	1
Chloroform	ND		1.0	0.34	ug/L			08/25/15 17:05	1
Chloromethane	ND		1.0	0.35	ug/L			08/25/15 17:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/25/15 17:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/25/15 17:05	1
Cyclohexane	ND		1.0	0.18	ug/L			08/25/15 17:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/25/15 17:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/25/15 17:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/25/15 17:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/25/15 17:05	1
Methyl acetate	ND		2.5	1.3	ug/L			08/25/15 17:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/25/15 17:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/25/15 17:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/25/15 17:05	1
Styrene	ND		1.0	0.73	ug/L			08/25/15 17:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/25/15 17:05	1
Toluene	ND		1.0	0.51	ug/L			08/25/15 17:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/25/15 17:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/25/15 17:05	1
Trichloroethene	ND		1.0	0.46	ug/L			08/25/15 17:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/25/15 17:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/25/15 17:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/25/15 17:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*08/25/15 17:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/25/15 17:05*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*08/25/15 17:05*	*1*

Lab Sample ID: LCS 480-260252/5
Matrix: Water
Analysis Batch: 260252

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	22.9		ug/L		91	71 - 129
1,1-Dichloroethene	25.0	28.0		ug/L		112	58 - 121
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	23.4		ug/L		94	75 - 127

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

Lab Sample ID: LCS 480-260252/5
Matrix: Water
Analysis Batch: 260252

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.8		ug/L		95	71 - 124
Chlorobenzene	25.0	23.0		ug/L		92	72 - 120
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	74 - 124
Ethylbenzene	25.0	23.6		ug/L		95	77 - 123
Methyl tert-butyl ether	25.0	23.9		ug/L		96	64 - 127
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	22.8		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
Trichloroethene	25.0	23.0		ug/L		92	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Toluene-d8 (Surr)	*102*		*71 - 126*

Lab Sample ID: MB 480-260442/10
Matrix: Water
Analysis Batch: 260442

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/26/15 11:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/26/15 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/26/15 11:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/26/15 11:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/26/15 11:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/26/15 11:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/26/15 11:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/26/15 11:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/26/15 11:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/26/15 11:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/26/15 11:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/26/15 11:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/26/15 11:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/26/15 11:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/26/15 11:38	1
2-Hexanone	ND		5.0	1.2	ug/L			08/26/15 11:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/26/15 11:38	1
Acetone	ND		10	3.0	ug/L			08/26/15 11:38	1
Benzene	ND		1.0	0.41	ug/L			08/26/15 11:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/26/15 11:38	1
Bromoform	ND		1.0	0.26	ug/L			08/26/15 11:38	1
Bromomethane	ND		1.0	0.69	ug/L			08/26/15 11:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/26/15 11:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/26/15 11:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/26/15 11:38	1
Chloroethane	ND		1.0	0.32	ug/L			08/26/15 11:38	1
Chloroform	ND		1.0	0.34	ug/L			08/26/15 11:38	1
Chloromethane	ND		1.0	0.35	ug/L			08/26/15 11:38	1

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

Lab Sample ID: MB 480-260442/10
Matrix: Water
Analysis Batch: 260442

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/26/15 11:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/26/15 11:38	1
Cyclohexane	ND		1.0	0.18	ug/L			08/26/15 11:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/26/15 11:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/26/15 11:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/15 11:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/26/15 11:38	1
Methyl acetate	ND		2.5	1.3	ug/L			08/26/15 11:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/26/15 11:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/26/15 11:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/26/15 11:38	1
Styrene	ND		1.0	0.73	ug/L			08/26/15 11:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/26/15 11:38	1
Toluene	ND		1.0	0.51	ug/L			08/26/15 11:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/26/15 11:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/26/15 11:38	1
Trichloroethene	ND		1.0	0.46	ug/L			08/26/15 11:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/26/15 11:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/26/15 11:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/15 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*08/26/15 11:38*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/26/15 11:38*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*08/26/15 11:38*	*1*

Lab Sample ID: LCS 480-260442/5
Matrix: Water
Analysis Batch: 260442

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.7		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	27.1		ug/L		109	58 - 121
1,2-Dichlorobenzene	25.0	24.6		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 127
Benzene	25.0	24.7		ug/L		99	71 - 124
Chlorobenzene	25.0	25.0		ug/L		100	72 - 120
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
Methyl tert-butyl ether	25.0	25.5		ug/L		102	64 - 127
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
Trichloroethene	25.0	24.9		ug/L		100	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*

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

Lab Sample ID: LCS 480-260442/5
Matrix: Water
Analysis Batch: 260442

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Toluene-d8 (Surr)	*98*		*71 - 126*

Lab Sample ID: 480-85846-3 MS
Matrix: Water
Analysis Batch: 260442

Client Sample ID: MW-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1200	F1	625	1630		ug/L		73	71 - 129
1,1-Dichloroethene	17	J F1	625	836	F1	ug/L		131	58 - 121
1,2-Dichlorobenzene	ND		625	596		ug/L		95	80 - 124
1,2-Dichloroethane	12	J	625	664		ug/L		104	75 - 127
Benzene	ND		625	653		ug/L		104	71 - 124
Chlorobenzene	ND		625	630		ug/L		101	72 - 120
cis-1,2-Dichloroethene	1200	F1	625	1700		ug/L		76	74 - 124
Ethylbenzene	ND		625	638		ug/L		102	77 - 123
Methyl tert-butyl ether	ND		625	641		ug/L		103	64 - 127
Tetrachloroethene	67		625	717		ug/L		104	74 - 122
Toluene	120		625	736		ug/L		99	80 - 122
trans-1,2-Dichloroethene	27		625	631		ug/L		97	73 - 127
Trichloroethene	77		625	727		ug/L		104	74 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: 480-85846-3 MSD
Matrix: Water
Analysis Batch: 260442

Client Sample ID: MW-20
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-Dichloroethane	1200	F1	625	1580	F1	ug/L		64	71 - 129	4	20
1,1-Dichloroethene	17	J F1	625	766		ug/L		120	58 - 121	9	16
1,2-Dichlorobenzene	ND		625	624		ug/L		100	80 - 124	5	20
1,2-Dichloroethane	12	J	625	654		ug/L		103	75 - 127	2	20
Benzene	ND		625	631		ug/L		101	71 - 124	3	13
Chlorobenzene	ND		625	626		ug/L		100	72 - 120	1	25
cis-1,2-Dichloroethene	1200	F1	625	1660	F1	ug/L		69	74 - 124	3	15
Ethylbenzene	ND		625	639		ug/L		102	77 - 123	0	15
Methyl tert-butyl ether	ND		625	647		ug/L		103	64 - 127	1	37
Tetrachloroethene	67		625	714		ug/L		104	74 - 122	0	20
Toluene	120		625	721		ug/L		97	80 - 122	2	15
trans-1,2-Dichloroethene	27		625	611		ug/L		93	73 - 127	3	20
Trichloroethene	77		625	706		ug/L		101	74 - 123	3	16

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

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

Lab Sample ID: 480-85846-3 MSD
Matrix: Water
Analysis Batch: 260442

Client Sample ID: MW-20
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Toluene-d8 (Surr)	*103*		*71 - 126*

QC Association Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

GC/MS VOA

Analysis Batch: 260176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-85846-2	MW-21	Total/NA	Water	8260C	
480-85846-3	MW-20	Total/NA	Water	8260C	
LCS 480-260176/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-260176/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 260252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-85846-1	MW-22	Total/NA	Water	8260C	
480-85846-5	MW-11	Total/NA	Water	8260C	
480-85846-7	MW-13D	Total/NA	Water	8260C	
480-85846-8	MW-8D	Total/NA	Water	8260C	
LCS 480-260252/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-260252/31	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 260442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-85846-3 - DL	MW-20	Total/NA	Water	8260C	
480-85846-3 MS	MW-20	Total/NA	Water	8260C	
480-85846-3 MSD	MW-20	Total/NA	Water	8260C	
480-85846-4	MW-7	Total/NA	Water	8260C	
480-85846-5 - DL	MW-11	Total/NA	Water	8260C	
480-85846-6	MW-13S	Total/NA	Water	8260C	
480-85846-9	MW-8S	Total/NA	Water	8260C	
LCS 480-260442/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-260442/10	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-22
Date Collected: 08/17/15 11:00
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	260252	08/25/15 18:59	LJF	TAL BUF

Client Sample ID: MW-21
Date Collected: 08/17/15 13:11
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	260176	08/25/15 05:00	GVF	TAL BUF

Client Sample ID: MW-20
Date Collected: 08/17/15 14:35
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	260176	08/25/15 05:22	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	25	260442	08/26/15 12:44	JWG	TAL BUF

Client Sample ID: MW-7
Date Collected: 08/17/15 15:30
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260442	08/26/15 13:06	JWG	TAL BUF

Client Sample ID: MW-11
Date Collected: 08/18/15 09:45
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260252	08/25/15 20:07	LJF	TAL BUF
Total/NA	Analysis	8260C	DL	4	260442	08/26/15 13:29	JWG	TAL BUF

Client Sample ID: MW-13S
Date Collected: 08/18/15 11:45
Date Received: 08/19/15 12:15

Lab Sample ID: 480-85846-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260442	08/26/15 13:52	JWG	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Client Sample ID: MW-13D

Lab Sample ID: 480-85846-7

Date Collected: 08/18/15 11:55

Matrix: Water

Date Received: 08/19/15 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260252	08/25/15 20:53	LJF	TAL BUF

Client Sample ID: MW-8D

Lab Sample ID: 480-85846-8

Date Collected: 08/18/15 14:25

Matrix: Water

Date Received: 08/19/15 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260252	08/25/15 21:16	LJF	TAL BUF

Client Sample ID: MW-8S

Lab Sample ID: 480-85846-9

Date Collected: 08/18/15 14:45

Matrix: Water

Date Received: 08/19/15 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260442	08/26/15 14:15	JWG	TAL BUF

Laboratory References:

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

Certification Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-85846-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-85846-1	MW-22	Water	08/17/15 11:00	08/19/15 12:15
480-85846-2	MW-21	Water	08/17/15 13:11	08/19/15 12:15
480-85846-3	MW-20	Water	08/17/15 14:35	08/19/15 12:15
480-85846-4	MW-7	Water	08/17/15 15:30	08/19/15 12:15
480-85846-5	MW-11	Water	08/18/15 09:45	08/19/15 12:15
480-85846-6	MW-13S	Water	08/18/15 11:45	08/19/15 12:15
480-85846-7	MW-13D	Water	08/18/15 11:55	08/19/15 12:15
480-85846-8	MW-8D	Water	08/18/15 14:25	08/19/15 12:15
480-85846-9	MW-8S	Water	08/18/15 14:45	08/19/15 12:15

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	BEN RUNG Dave Steiner	8-17-15	270841
Address Division of Env Remediation 625 Broadway	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
City Albany **State** NY **Zip Code** 12233	**Site Contact**	**Lab Contact**	
Project Name and Location (State) Chem Core, Buffalo NY	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No. NYS DEC Site #915176			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOA
MW-22	8-17-15	11:00		X						2			X
MW-21	↓	1:11		X						2			X
MW-20		2:35		X						2			X
MW-7		3:30		X						2			X
MW-11	8-18-15	9:45		X						2			X
MW-13S		11:45		X						2			X
MW-13D		11:55		X						2			X
MW-8D		2:25		X						2			X
MW-8S		2:45		X						2			X

Special Instructions/ Conditions of Receipt

480-85846 Chain of Custody

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

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10 BD, PER NYSDEC CONTRACT

QC Requirements (Specify)

		Date	Time
1. Relinquished By	David R. Steiner		
2. Relinquished By	Jay Hughes	8/19/15	12:15
3. Relinquished By			
1. Received By	Jay Hughes	8/19/15	11:25
2. Received By	TA	08/19/15	1215
3. Received By			

Comments

Temp 5.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-85846-1

Login Number: 85846
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

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

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-86119-1
Client Project/Site: ChemCore #915176

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

Attn: Mr. Benjamin W Rung

Authorized for release by:
9/2/2015 9:37:32 AM

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

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

Orlette Johnson
Senior Project Manager
9/2/2015 9:37:32 AM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Qualifiers

GC/MS VOA

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

Job ID: 480-86119-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-86119-1

Receipt
The samples were received on 8/24/2015 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC/MS VOA
Method(s) 8260C: The following sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW- 6 (480-86119-3).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW- 16 (480-86119-1) and MW- 6 (480-86119-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-261109 recovered above the upper control limit for Dibromochloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW- 17 (480-86119-2) and MW- 6 (480-86119-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-261186 recovered outside acceptance criteria, low biased, for 2-Hexanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted MW- 16 (480-86119-1) and MW- 6 (480-86119-3).

Method(s) 8260C: The laboratory control sample (LCS) for batch analytical batch 480-261109 recovered outside control limits for the following analytes: Chloromethane, Dibromochloromethane, and Tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW- 17 (480-86119-2) and MW- 6 (480-86119-3).

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

Detection Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Client Sample ID: MW- 16 — Lab Sample ID: 480-86119-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	40	12	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	120		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	14		4.0	1.4	ug/L	4		8260C	Total/NA
Vinyl chloride	190		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: MW- 17 — Lab Sample ID: 480-86119-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.5		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.70	J	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	4.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW- 6 — Lab Sample ID: 480-86119-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	310		50	19	ug/L	50		8260C	Total/NA
Acetone	18000		500	150	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	470		50	41	ug/L	50		8260C	Total/NA
Methylcyclohexane	10	J	50	8.0	ug/L	50		8260C	Total/NA
Toluene	32	J	50	26	ug/L	50		8260C	Total/NA
Vinyl chloride	140		50	45	ug/L	50		8260C	Total/NA
2-Butanone (MEK) - DL	45000		1000	130	ug/L	100		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Client Sample ID: MW- 16
Date Collected: 08/21/15 09:18
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86119-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			08/31/15 12:02	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			08/31/15 12:02	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			08/31/15 12:02	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			08/31/15 12:02	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			08/31/15 12:02	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			08/31/15 12:02	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			08/31/15 12:02	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			08/31/15 12:02	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			08/31/15 12:02	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			08/31/15 12:02	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			08/31/15 12:02	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			08/31/15 12:02	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			08/31/15 12:02	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			08/31/15 12:02	4
2-Butanone (MEK)	ND		40	5.3	ug/L			08/31/15 12:02	4
2-Hexanone	ND		20	5.0	ug/L			08/31/15 12:02	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			08/31/15 12:02	4
Acetone	**13**	**J**	40	12	ug/L			08/31/15 12:02	4
Benzene	ND		4.0	1.6	ug/L			08/31/15 12:02	4
Bromodichloromethane	ND		4.0	1.6	ug/L			08/31/15 12:02	4
Bromoform	ND		4.0	1.0	ug/L			08/31/15 12:02	4
Bromomethane	ND		4.0	2.8	ug/L			08/31/15 12:02	4
Carbon disulfide	ND		4.0	0.76	ug/L			08/31/15 12:02	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			08/31/15 12:02	4
Chlorobenzene	ND		4.0	3.0	ug/L			08/31/15 12:02	4
Chloroethane	ND		4.0	1.3	ug/L			08/31/15 12:02	4
Chloroform	ND		4.0	1.4	ug/L			08/31/15 12:02	4
Chloromethane	ND		4.0	1.4	ug/L			08/31/15 12:02	4
cis-1,2-Dichloroethene	**120**		4.0	3.2	ug/L			08/31/15 12:02	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			08/31/15 12:02	4
Cyclohexane	ND		4.0	0.72	ug/L			08/31/15 12:02	4
Dibromochloromethane	ND		4.0	1.3	ug/L			08/31/15 12:02	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			08/31/15 12:02	4
Ethylbenzene	ND		4.0	3.0	ug/L			08/31/15 12:02	4
Isopropylbenzene	ND		4.0	3.2	ug/L			08/31/15 12:02	4
Methyl acetate	ND		10	5.2	ug/L			08/31/15 12:02	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			08/31/15 12:02	4
Methylcyclohexane	ND		4.0	0.64	ug/L			08/31/15 12:02	4
Methylene Chloride	ND		4.0	1.8	ug/L			08/31/15 12:02	4
Styrene	ND		4.0	2.9	ug/L			08/31/15 12:02	4
Tetrachloroethene	**14**		4.0	1.4	ug/L			08/31/15 12:02	4
Toluene	ND		4.0	2.0	ug/L			08/31/15 12:02	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			08/31/15 12:02	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			08/31/15 12:02	4
Trichloroethene	ND		4.0	1.8	ug/L			08/31/15 12:02	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			08/31/15 12:02	4
Vinyl chloride	**190**		4.0	3.6	ug/L			08/31/15 12:02	4
Xylenes, Total	ND		8.0	2.6	ug/L			08/31/15 12:02	4

Client Sample Results

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Client Sample ID: MW- 16
Date Collected: 08/21/15 09:18
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86119-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 137		08/31/15 12:02	4
4-Bromofluorobenzene (Surr)	114		73 - 120		08/31/15 12:02	4
Toluene-d8 (Surr)	103		71 - 126		08/31/15 12:02	4

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Client Sample ID: MW- 17
Date Collected: 08/21/15 11:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86119-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/29/15 17:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/29/15 17:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/29/15 17:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/29/15 17:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/29/15 17:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/29/15 17:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/29/15 17:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/29/15 17:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/29/15 17:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/29/15 17:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/29/15 17:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/29/15 17:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/29/15 17:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/29/15 17:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/29/15 17:32	1
2-Hexanone	ND		5.0	1.2	ug/L			08/29/15 17:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/29/15 17:32	1
Acetone	ND		10	3.0	ug/L			08/29/15 17:32	1
Benzene	ND		1.0	0.41	ug/L			08/29/15 17:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/29/15 17:32	1
Bromoform	ND		1.0	0.26	ug/L			08/29/15 17:32	1
Bromomethane	ND		1.0	0.69	ug/L			08/29/15 17:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/29/15 17:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/29/15 17:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/29/15 17:32	1
Chloroethane	ND		1.0	0.32	ug/L			08/29/15 17:32	1
Chloroform	ND		1.0	0.34	ug/L			08/29/15 17:32	1
Chloromethane	ND	*	1.0	0.35	ug/L			08/29/15 17:32	1
cis-1,2-Dichloroethene	**5.5**		1.0	0.81	ug/L			08/29/15 17:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/29/15 17:32	1
Cyclohexane	ND		1.0	0.18	ug/L			08/29/15 17:32	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			08/29/15 17:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/29/15 17:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/29/15 17:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/29/15 17:32	1
Methyl acetate	ND		2.5	1.3	ug/L			08/29/15 17:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/29/15 17:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/29/15 17:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/29/15 17:32	1
Styrene	ND		1.0	0.73	ug/L			08/29/15 17:32	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			08/29/15 17:32	1
Toluene	ND		1.0	0.51	ug/L			08/29/15 17:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/29/15 17:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/29/15 17:32	1
Trichloroethene	**0.70**	**J**	1.0	0.46	ug/L			08/29/15 17:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/29/15 17:32	1
Vinyl chloride	**4.1**		1.0	0.90	ug/L			08/29/15 17:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/29/15 17:32	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Client Sample ID: MW- 17
Date Collected: 08/21/15 11:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86119-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		66 - 137		08/29/15 17:32	1
4-Bromofluorobenzene (Surr)	111		73 - 120		08/29/15 17:32	1
Toluene-d8 (Surr)	99		71 - 126		08/29/15 17:32	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Client Sample ID: MW- 6
Date Collected: 08/21/15 13:30
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86119-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			08/29/15 17:54	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			08/29/15 17:54	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			08/29/15 17:54	50
1,1,2-Trichloroethane	ND		50	12	ug/L			08/29/15 17:54	50
1,1-Dichloroethane	**310**		50	19	ug/L			08/29/15 17:54	50
1,1-Dichloroethene	ND		50	15	ug/L			08/29/15 17:54	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			08/29/15 17:54	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			08/29/15 17:54	50
1,2-Dibromoethane	ND		50	37	ug/L			08/29/15 17:54	50
1,2-Dichlorobenzene	ND		50	40	ug/L			08/29/15 17:54	50
1,2-Dichloroethane	ND		50	11	ug/L			08/29/15 17:54	50
1,2-Dichloropropane	ND		50	36	ug/L			08/29/15 17:54	50
1,3-Dichlorobenzene	ND		50	39	ug/L			08/29/15 17:54	50
1,4-Dichlorobenzene	ND		50	42	ug/L			08/29/15 17:54	50
2-Hexanone	ND		250	62	ug/L			08/29/15 17:54	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			08/29/15 17:54	50
Acetone	**18000**		500	150	ug/L			08/29/15 17:54	50
Benzene	ND		50	21	ug/L			08/29/15 17:54	50
Bromodichloromethane	ND		50	20	ug/L			08/29/15 17:54	50
Bromoform	ND		50	13	ug/L			08/29/15 17:54	50
Bromomethane	ND		50	35	ug/L			08/29/15 17:54	50
Carbon disulfide	ND		50	9.5	ug/L			08/29/15 17:54	50
Carbon tetrachloride	ND		50	14	ug/L			08/29/15 17:54	50
Chlorobenzene	ND		50	38	ug/L			08/29/15 17:54	50
Chloroethane	ND		50	16	ug/L			08/29/15 17:54	50
Chloroform	ND		50	17	ug/L			08/29/15 17:54	50
Chloromethane	ND	*	50	18	ug/L			08/29/15 17:54	50
cis-1,2-Dichloroethene	**470**		50	41	ug/L			08/29/15 17:54	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			08/29/15 17:54	50
Cyclohexane	ND		50	9.0	ug/L			08/29/15 17:54	50
Dibromochloromethane	ND	*	50	16	ug/L			08/29/15 17:54	50
Dichlorodifluoromethane	ND		50	34	ug/L			08/29/15 17:54	50
Ethylbenzene	ND		50	37	ug/L			08/29/15 17:54	50
Isopropylbenzene	ND		50	40	ug/L			08/29/15 17:54	50
Methyl acetate	ND		130	65	ug/L			08/29/15 17:54	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			08/29/15 17:54	50
Methylcyclohexane	**10**	**J**	50	8.0	ug/L			08/29/15 17:54	50
Methylene Chloride	ND		50	22	ug/L			08/29/15 17:54	50
Styrene	ND		50	37	ug/L			08/29/15 17:54	50
Tetrachloroethene	ND	*	50	18	ug/L			08/29/15 17:54	50
Toluene	**32**	**J**	50	26	ug/L			08/29/15 17:54	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			08/29/15 17:54	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			08/29/15 17:54	50
Trichloroethene	ND		50	23	ug/L			08/29/15 17:54	50
Trichlorofluoromethane	ND		50	44	ug/L			08/29/15 17:54	50
Vinyl chloride	**140**		50	45	ug/L			08/29/15 17:54	50
Xylenes, Total	ND		100	33	ug/L			08/29/15 17:54	50

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Client Sample ID: MW- 6
Date Collected: 08/21/15 13:30
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86119-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		08/29/15 17:54	50
4-Bromofluorobenzene (Surr)	110		73 - 120		08/29/15 17:54	50
Toluene-d8 (Surr)	102		71 - 126		08/29/15 17:54	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	45000		1000	130	ug/L			08/31/15 12:24	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		08/31/15 12:24	100
4-Bromofluorobenzene (Surr)	111		73 - 120		08/31/15 12:24	100
Toluene-d8 (Surr)	100		71 - 126		08/31/15 12:24	100

Surrogate Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)
480-86119-1	MW- 16	91	114	103
480-86119-2	MW- 17	92	111	99
480-86119-3	MW- 6	94	110	102
480-86119-3 - DL	MW- 6	94	111	100
LCS 480-261109/5	Lab Control Sample	98	119	108
LCS 480-261186/5	Lab Control Sample	95	116	99
MB 480-261109/7	Method Blank	93	110	102
MB 480-261186/7	Method Blank	94	111	99

Surrogate Legend

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

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

Lab Sample ID: MB 480-261109/7
Matrix: Water
Analysis Batch: 261109

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/29/15 11:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/29/15 11:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/29/15 11:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/29/15 11:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/29/15 11:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/29/15 11:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/29/15 11:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/29/15 11:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/29/15 11:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/29/15 11:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/29/15 11:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/29/15 11:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/29/15 11:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/29/15 11:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/29/15 11:00	1
2-Hexanone	ND		5.0	1.2	ug/L			08/29/15 11:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/29/15 11:00	1
Acetone	ND		10	3.0	ug/L			08/29/15 11:00	1
Benzene	ND		1.0	0.41	ug/L			08/29/15 11:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/29/15 11:00	1
Bromoform	ND		1.0	0.26	ug/L			08/29/15 11:00	1
Bromomethane	ND		1.0	0.69	ug/L			08/29/15 11:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/29/15 11:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/29/15 11:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/29/15 11:00	1
Chloroethane	ND		1.0	0.32	ug/L			08/29/15 11:00	1
Chloroform	ND		1.0	0.34	ug/L			08/29/15 11:00	1
Chloromethane	ND		1.0	0.35	ug/L			08/29/15 11:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/29/15 11:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/29/15 11:00	1
Cyclohexane	ND		1.0	0.18	ug/L			08/29/15 11:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/29/15 11:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/29/15 11:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/29/15 11:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/29/15 11:00	1
Methyl acetate	ND		2.5	1.3	ug/L			08/29/15 11:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/29/15 11:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/29/15 11:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/29/15 11:00	1
Styrene	ND		1.0	0.73	ug/L			08/29/15 11:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/29/15 11:00	1
Toluene	ND		1.0	0.51	ug/L			08/29/15 11:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/29/15 11:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/29/15 11:00	1
Trichloroethene	ND		1.0	0.46	ug/L			08/29/15 11:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/29/15 11:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/29/15 11:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/29/15 11:00	1

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

Lab Sample ID: MB 480-261109/7
Matrix: Water
Analysis Batch: 261109

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*08/29/15 11:00*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*08/29/15 11:00*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*08/29/15 11:00*	*1*

Lab Sample ID: LCS 480-261109/5
Matrix: Water
Analysis Batch: 261109

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	27.9		ug/L		112	71 - 129
1,1-Dichloroethene	25.0	28.2		ug/L		113	58 - 121
1,2-Dichlorobenzene	25.0	28.5		ug/L		114	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 127
Benzene	25.0	28.9		ug/L		116	71 - 124
Chlorobenzene	25.0	29.0		ug/L		116	72 - 120
cis-1,2-Dichloroethene	25.0	29.6		ug/L		119	74 - 124
Ethylbenzene	25.0	29.1		ug/L		116	77 - 123
Methyl tert-butyl ether	25.0	25.6		ug/L		102	64 - 127
Tetrachloroethene	25.0	32.0	*	ug/L		128	74 - 122
Toluene	25.0	28.3		ug/L		113	80 - 122
trans-1,2-Dichloroethene	25.0	28.3		ug/L		113	73 - 127
Trichloroethene	25.0	29.0		ug/L		116	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*
Toluene-d8 (Surr)	*108*		*71 - 126*

Lab Sample ID: MB 480-261186/7
Matrix: Water
Analysis Batch: 261186

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/31/15 10:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/31/15 10:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/31/15 10:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/31/15 10:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/31/15 10:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/31/15 10:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/31/15 10:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/31/15 10:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/31/15 10:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/31/15 10:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/31/15 10:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/31/15 10:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/31/15 10:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/31/15 10:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/31/15 10:18	1

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

Lab Sample ID: MB 480-261186/7
Matrix: Water
Analysis Batch: 261186

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	1.2	ug/L			08/31/15 10:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/31/15 10:18	1
Acetone	ND		10	3.0	ug/L			08/31/15 10:18	1
Benzene	ND		1.0	0.41	ug/L			08/31/15 10:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/31/15 10:18	1
Bromoform	ND		1.0	0.26	ug/L			08/31/15 10:18	1
Bromomethane	ND		1.0	0.69	ug/L			08/31/15 10:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/31/15 10:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/31/15 10:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/31/15 10:18	1
Chloroethane	ND		1.0	0.32	ug/L			08/31/15 10:18	1
Chloroform	ND		1.0	0.34	ug/L			08/31/15 10:18	1
Chloromethane	ND		1.0	0.35	ug/L			08/31/15 10:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/31/15 10:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/31/15 10:18	1
Cyclohexane	ND		1.0	0.18	ug/L			08/31/15 10:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/31/15 10:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/31/15 10:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/31/15 10:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/31/15 10:18	1
Methyl acetate	ND		2.5	1.3	ug/L			08/31/15 10:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/31/15 10:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/31/15 10:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/31/15 10:18	1
Styrene	ND		1.0	0.73	ug/L			08/31/15 10:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/31/15 10:18	1
Toluene	ND		1.0	0.51	ug/L			08/31/15 10:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/31/15 10:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/31/15 10:18	1
Trichloroethene	ND		1.0	0.46	ug/L			08/31/15 10:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/31/15 10:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/31/15 10:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/31/15 10:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*08/31/15 10:18*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*08/31/15 10:18*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*08/31/15 10:18*	*1*

Lab Sample ID: LCS 480-261186/5
Matrix: Water
Analysis Batch: 261186

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	25.6		ug/L		102	71 - 129
1,1-Dichloroethene	25.0	25.3		ug/L		101	58 - 121
1,2-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	23.7		ug/L		95	75 - 127

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

Lab Sample ID: LCS 480-261186/5
Matrix: Water
Analysis Batch: 261186

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.3		ug/L		105	71 - 124
Chlorobenzene	25.0	26.4		ug/L		106	72 - 120
cis-1,2-Dichloroethene	25.0	27.2		ug/L		109	74 - 124
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
Methyl tert-butyl ether	25.0	24.3		ug/L		97	64 - 127
Tetrachloroethene	25.0	27.4		ug/L		110	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
Trichloroethene	25.0	26.5		ug/L		106	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*
Toluene-d8 (Surr)	*99*		*71 - 126*

QC Association Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

GC/MS VOA

Analysis Batch: 261109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86119-2	MW- 17	Total/NA	Water	8260C	
480-86119-3	MW- 6	Total/NA	Water	8260C	
LCS 480-261109/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-261109/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 261186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86119-1	MW- 16	Total/NA	Water	8260C	
480-86119-3 - DL	MW- 6	Total/NA	Water	8260C	
LCS 480-261186/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-261186/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Client Sample ID: MW- 16

Lab Sample ID: 480-86119-1
Matrix: Water
Date Collected: 08/21/15 09:18
Date Received: 08/24/15 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	261186	08/31/15 12:02	SWO	TAL BUF

Client Sample ID: MW- 17

Lab Sample ID: 480-86119-2
Matrix: Water
Date Collected: 08/21/15 11:00
Date Received: 08/24/15 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	261109	08/29/15 17:32	GTG	TAL BUF

Client Sample ID: MW- 6

Lab Sample ID: 480-86119-3
Matrix: Water
Date Collected: 08/21/15 13:30
Date Received: 08/24/15 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	261109	08/29/15 17:54	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	100	261186	08/31/15 12:24	SWO	TAL BUF

Laboratory References:

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

Certification Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86119-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86119-1	MW- 16	Water	08/21/15 09:18	08/24/15 13:40
480-86119-2	MW- 17	Water	08/21/15 11:00	08/24/15 13:40
480-86119-3	MW- 6	Water	08/21/15 13:30	08/24/15 13:40

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

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TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC (Empire Geo)	(Dave Steiner Empire)	8-21-15	270839
Address: Division of Environmental Remediation, 625 Broadway	Telephone Number (Area Code)/Fax Number	Lab Number	Page _____ of _____
City: Albany	State: NY	Zip Code: 12233	Site Contact	Lab Contact
Project Name and Location (State): Chemcore, Buffalo, NY	Carrier/Waybill Number	
Contract/Purchase Order/Quote No.: NYS DEC site # 915176		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOA
MW-16	8-21-15	9:18		X						2			X
MW-17	↓	11:00		X						2			X
MW-6		1:30		X						2			X

Special Instructions/ Conditions of Receipt

480-86119 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Per Contract

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	8-21-15	3:45	[signature] TA Buffalo	8/24/15	1142
2.	[signature] TA Buffalo	8/24/15	1340	[signature]	8/24/15	1340
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

4.1°C #3

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9/2/2015

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-86119-1

Login Number: 86119
List Number: 1
Creator: Hulbert, Michael J

List Source: TestAmerica Buffalo

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

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ANALYTICAL REPORT

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

TestAmerica Job ID: 480-86118-1
Client Project/Site: ChemCore #915176

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

Attn: Mr. Benjamin W Rung

Authorized for release by:
9/1/2015 3:33:15 PM

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

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

Orlette Johnson
Senior Project Manager
9/1/2015 3:33:15 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Qualifiers

GC/MS VOA

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

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)

Case Narrative

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Job ID: 480-86118-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-86118-1

Receipt
The samples were received on 8/24/2015 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC/MS VOA
Method(s) 8260C: The following sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW- 3 (480-86118-1).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260625 recovered above the upper control limit for Carbon Disulfide and Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW- 19 (480-86118-2), MW- 12 (480-86118-3) and MW- 18 (480-86118-4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260929 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, Bromoform, Carbon tetrachloride, Dibromochloromethane and trans-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW- 3 (480-86118-1) and MW- 12 (480-86118-3).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-260929 recovered outside control limits for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane, Bromoform, Dibromochloromethane and trans-1,3-Dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. MW- 3 (480-86118-1) and MW- 12 (480-86118-3)

Method(s) 8260C: The following samples were diluted due to the nature of the sample matrix and the samples viscosity: MW- 3 (480-86118-1). The sample was analyzed at a lower dilution but due to matrix effect had the Internal standard out. Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW- 12 (480-86118-3). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 3 — Lab Sample ID: 480-86118-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	720	J	2000	600	ug/L	200		8260C	Total/NA
Methylene Chloride	120	J	200	88	ug/L	200		8260C	Total/NA

Client Sample ID: MW- 19 — Lab Sample ID: 480-86118-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.6	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	61		1.0	0.81	ug/L	1		8260C	Total/NA
Methylcyclohexane	0.16	J	1.0	0.16	ug/L	1		8260C	Total/NA
Tetrachloroethene	47		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	5.3		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	20		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW- 12 — Lab Sample ID: 480-86118-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	87		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	11		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	230		4.0	3.6	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene - DL	450		8.0	6.5	ug/L	8		8260C	Total/NA

Client Sample ID: MW- 18 — Lab Sample ID: 480-86118-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.1		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	2.0		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 3
Date Collected: 08/19/15 09:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			08/28/15 19:18	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			08/28/15 19:18	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	200	62	ug/L			08/28/15 19:18	200
1,1,2-Trichloroethane	ND		200	46	ug/L			08/28/15 19:18	200
1,1-Dichloroethane	ND		200	76	ug/L			08/28/15 19:18	200
1,1-Dichloroethene	ND		200	58	ug/L			08/28/15 19:18	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			08/28/15 19:18	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			08/28/15 19:18	200
1,2-Dibromoethane	ND		200	150	ug/L			08/28/15 19:18	200
1,2-Dichlorobenzene	ND		200	160	ug/L			08/28/15 19:18	200
1,2-Dichloroethane	ND		200	42	ug/L			08/28/15 19:18	200
1,2-Dichloropropane	ND		200	140	ug/L			08/28/15 19:18	200
1,3-Dichlorobenzene	ND		200	160	ug/L			08/28/15 19:18	200
1,4-Dichlorobenzene	ND		200	170	ug/L			08/28/15 19:18	200
2-Butanone (MEK)	ND		2000	260	ug/L			08/28/15 19:18	200
2-Hexanone	ND		1000	250	ug/L			08/28/15 19:18	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			08/28/15 19:18	200
Acetone	**720**	**J**	2000	600	ug/L			08/28/15 19:18	200
Benzene	ND		200	82	ug/L			08/28/15 19:18	200
Bromodichloromethane	ND		200	78	ug/L			08/28/15 19:18	200
Bromoform	ND	*	200	52	ug/L			08/28/15 19:18	200
Bromomethane	ND		200	140	ug/L			08/28/15 19:18	200
Carbon disulfide	ND		200	38	ug/L			08/28/15 19:18	200
Carbon tetrachloride	ND		200	54	ug/L			08/28/15 19:18	200
Chlorobenzene	ND		200	150	ug/L			08/28/15 19:18	200
Chloroethane	ND		200	64	ug/L			08/28/15 19:18	200
Chloroform	ND		200	68	ug/L			08/28/15 19:18	200
Chloromethane	ND		200	70	ug/L			08/28/15 19:18	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			08/28/15 19:18	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			08/28/15 19:18	200
Cyclohexane	ND		200	36	ug/L			08/28/15 19:18	200
Dibromochloromethane	ND	*	200	64	ug/L			08/28/15 19:18	200
Dichlorodifluoromethane	ND		200	140	ug/L			08/28/15 19:18	200
Ethylbenzene	ND		200	150	ug/L			08/28/15 19:18	200
Isopropylbenzene	ND		200	160	ug/L			08/28/15 19:18	200
Methyl acetate	ND		500	260	ug/L			08/28/15 19:18	200
Methyl tert-butyl ether	ND		200	32	ug/L			08/28/15 19:18	200
Methylcyclohexane	ND		200	32	ug/L			08/28/15 19:18	200
Methylene Chloride	**120**	**J**	200	88	ug/L			08/28/15 19:18	200
Styrene	ND		200	150	ug/L			08/28/15 19:18	200
Tetrachloroethene	ND		200	72	ug/L			08/28/15 19:18	200
Toluene	ND		200	100	ug/L			08/28/15 19:18	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			08/28/15 19:18	200
trans-1,3-Dichloropropene	ND	*	200	74	ug/L			08/28/15 19:18	200
Trichloroethene	ND		200	92	ug/L			08/28/15 19:18	200
Trichlorofluoromethane	ND		200	180	ug/L			08/28/15 19:18	200
Vinyl chloride	ND		200	180	ug/L			08/28/15 19:18	200
Xylenes, Total	ND		400	130	ug/L			08/28/15 19:18	200

Client Sample Results

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 3
Date Collected: 08/19/15 09:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		08/28/15 19:18	200
4-Bromofluorobenzene (Surr)	97		73 - 120		08/28/15 19:18	200
Toluene-d8 (Surr)	99		71 - 126		08/28/15 19:18	200

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 19
Date Collected: 08/19/15 10:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/27/15 01:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/27/15 01:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/27/15 01:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/27/15 01:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/27/15 01:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/27/15 01:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/27/15 01:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/27/15 01:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/27/15 01:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/27/15 01:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/27/15 01:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/27/15 01:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/27/15 01:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/27/15 01:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/27/15 01:56	1
2-Hexanone	ND		5.0	1.2	ug/L			08/27/15 01:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/27/15 01:56	1
Acetone	**7.6**	**J**	10	3.0	ug/L			08/27/15 01:56	1
Benzene	ND		1.0	0.41	ug/L			08/27/15 01:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/27/15 01:56	1
Bromoform	ND		1.0	0.26	ug/L			08/27/15 01:56	1
Bromomethane	ND		1.0	0.69	ug/L			08/27/15 01:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/27/15 01:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/27/15 01:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/27/15 01:56	1
Chloroethane	ND		1.0	0.32	ug/L			08/27/15 01:56	1
Chloroform	ND		1.0	0.34	ug/L			08/27/15 01:56	1
Chloromethane	ND		1.0	0.35	ug/L			08/27/15 01:56	1
cis-1,2-Dichloroethene	**61**		1.0	0.81	ug/L			08/27/15 01:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/27/15 01:56	1
Cyclohexane	ND		1.0	0.18	ug/L			08/27/15 01:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/27/15 01:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/27/15 01:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/27/15 01:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/27/15 01:56	1
Methyl acetate	ND		2.5	1.3	ug/L			08/27/15 01:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/27/15 01:56	1
Methylcyclohexane	**0.16**	**J**	1.0	0.16	ug/L			08/27/15 01:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/27/15 01:56	1
Styrene	ND		1.0	0.73	ug/L			08/27/15 01:56	1
Tetrachloroethene	**47**		1.0	0.36	ug/L			08/27/15 01:56	1
Toluene	ND		1.0	0.51	ug/L			08/27/15 01:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/27/15 01:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/27/15 01:56	1
Trichloroethene	**5.3**		1.0	0.46	ug/L			08/27/15 01:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/27/15 01:56	1
Vinyl chloride	**20**		1.0	0.90	ug/L			08/27/15 01:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/27/15 01:56	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 19
Date Collected: 08/19/15 10:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		08/27/15 01:56	1
4-Bromofluorobenzene (Surr)	95		73 - 120		08/27/15 01:56	1
Toluene-d8 (Surr)	100		71 - 126		08/27/15 01:56	1

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 12
Date Collected: 08/19/15 13:20
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			08/27/15 02:19	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			08/27/15 02:19	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			08/27/15 02:19	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			08/27/15 02:19	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			08/27/15 02:19	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			08/27/15 02:19	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			08/27/15 02:19	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			08/27/15 02:19	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			08/27/15 02:19	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			08/27/15 02:19	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			08/27/15 02:19	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			08/27/15 02:19	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			08/27/15 02:19	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			08/27/15 02:19	4
2-Butanone (MEK)	ND		40	5.3	ug/L			08/27/15 02:19	4
2-Hexanone	ND		20	5.0	ug/L			08/27/15 02:19	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			08/27/15 02:19	4
Acetone	ND		40	12	ug/L			08/27/15 02:19	4
Benzene	ND		4.0	1.6	ug/L			08/27/15 02:19	4
Bromodichloromethane	ND		4.0	1.6	ug/L			08/27/15 02:19	4
Bromoform	ND		4.0	1.0	ug/L			08/27/15 02:19	4
Bromomethane	ND		4.0	2.8	ug/L			08/27/15 02:19	4
Carbon disulfide	ND		4.0	0.76	ug/L			08/27/15 02:19	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			08/27/15 02:19	4
Chlorobenzene	ND		4.0	3.0	ug/L			08/27/15 02:19	4
Chloroethane	ND		4.0	1.3	ug/L			08/27/15 02:19	4
Chloroform	ND		4.0	1.4	ug/L			08/27/15 02:19	4
Chloromethane	ND		4.0	1.4	ug/L			08/27/15 02:19	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			08/27/15 02:19	4
Cyclohexane	ND		4.0	0.72	ug/L			08/27/15 02:19	4
Dibromochloromethane	ND		4.0	1.3	ug/L			08/27/15 02:19	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			08/27/15 02:19	4
Ethylbenzene	ND		4.0	3.0	ug/L			08/27/15 02:19	4
Isopropylbenzene	ND		4.0	3.2	ug/L			08/27/15 02:19	4
Methyl acetate	ND		10	5.2	ug/L			08/27/15 02:19	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			08/27/15 02:19	4
Methylcyclohexane	ND		4.0	0.64	ug/L			08/27/15 02:19	4
Methylene Chloride	ND		4.0	1.8	ug/L			08/27/15 02:19	4
Styrene	ND		4.0	2.9	ug/L			08/27/15 02:19	4
Tetrachloroethene	**87**		4.0	1.4	ug/L			08/27/15 02:19	4
Toluene	ND		4.0	2.0	ug/L			08/27/15 02:19	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			08/27/15 02:19	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			08/27/15 02:19	4
Trichloroethene	**11**		4.0	1.8	ug/L			08/27/15 02:19	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			08/27/15 02:19	4
Vinyl chloride	**230**		4.0	3.6	ug/L			08/27/15 02:19	4
Xylenes, Total	ND		8.0	2.6	ug/L			08/27/15 02:19	4

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 12
Date Collected: 08/19/15 13:20
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*08/27/15 02:19*	*4*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/27/15 02:19*	*4*
Toluene-d8 (Surr)	*101*		*71 - 126*		*08/27/15 02:19*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**450**		8.0	6.5	ug/L			08/28/15 19:41	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*08/28/15 19:41*	*8*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*08/28/15 19:41*	*8*
Toluene-d8 (Surr)	*99*		*71 - 126*		*08/28/15 19:41*	*8*

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 18
Date Collected: 08/19/15 14:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/27/15 02:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/27/15 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/27/15 02:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/27/15 02:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/27/15 02:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/27/15 02:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/27/15 02:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/27/15 02:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/27/15 02:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/27/15 02:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/27/15 02:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/27/15 02:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/27/15 02:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/27/15 02:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/27/15 02:42	1
2-Hexanone	ND		5.0	1.2	ug/L			08/27/15 02:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/27/15 02:42	1
Acetone	ND		10	3.0	ug/L			08/27/15 02:42	1
Benzene	ND		1.0	0.41	ug/L			08/27/15 02:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/27/15 02:42	1
Bromoform	ND		1.0	0.26	ug/L			08/27/15 02:42	1
Bromomethane	ND		1.0	0.69	ug/L			08/27/15 02:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/27/15 02:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/27/15 02:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/27/15 02:42	1
Chloroethane	ND		1.0	0.32	ug/L			08/27/15 02:42	1
Chloroform	ND		1.0	0.34	ug/L			08/27/15 02:42	1
Chloromethane	ND		1.0	0.35	ug/L			08/27/15 02:42	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.81	ug/L			08/27/15 02:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/27/15 02:42	1
Cyclohexane	ND		1.0	0.18	ug/L			08/27/15 02:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/27/15 02:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/27/15 02:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/27/15 02:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/27/15 02:42	1
Methyl acetate	ND		2.5	1.3	ug/L			08/27/15 02:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/27/15 02:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/27/15 02:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/27/15 02:42	1
Styrene	ND		1.0	0.73	ug/L			08/27/15 02:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/27/15 02:42	1
Toluene	ND		1.0	0.51	ug/L			08/27/15 02:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/27/15 02:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/27/15 02:42	1
Trichloroethene	ND		1.0	0.46	ug/L			08/27/15 02:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/27/15 02:42	1
Vinyl chloride	**2.0**		1.0	0.90	ug/L			08/27/15 02:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/27/15 02:42	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 18
Date Collected: 08/19/15 14:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 137		08/27/15 02:42	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/27/15 02:42	1
Toluene-d8 (Surr)	97		71 - 126		08/27/15 02:42	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)
480-86118-1	MW- 3	108	97	99
480-86118-2	MW- 19	105	95	100
480-86118-3	MW- 12	108	96	101
480-86118-3 - DL	MW- 12	108	97	99
480-86118-4	MW- 18	110	94	97
LCS 480-260625/5	Lab Control Sample	105	102	103
LCS 480-260929/7	Lab Control Sample	106	106	104
MB 480-260625/7	Method Blank	107	96	98
MB 480-260929/10	Method Blank	103	99	100

Surrogate Legend

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

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

Lab Sample ID: MB 480-260625/7
Matrix: Water
Analysis Batch: 260625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/26/15 23:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/26/15 23:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/26/15 23:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/26/15 23:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/26/15 23:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/26/15 23:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/26/15 23:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/26/15 23:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/26/15 23:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/26/15 23:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/26/15 23:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/26/15 23:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/26/15 23:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/26/15 23:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/26/15 23:49	1
2-Hexanone	ND		5.0	1.2	ug/L			08/26/15 23:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/26/15 23:49	1
Acetone	ND		10	3.0	ug/L			08/26/15 23:49	1
Benzene	ND		1.0	0.41	ug/L			08/26/15 23:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/26/15 23:49	1
Bromoform	ND		1.0	0.26	ug/L			08/26/15 23:49	1
Bromomethane	ND		1.0	0.69	ug/L			08/26/15 23:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/26/15 23:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/26/15 23:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/26/15 23:49	1
Chloroethane	ND		1.0	0.32	ug/L			08/26/15 23:49	1
Chloroform	ND		1.0	0.34	ug/L			08/26/15 23:49	1
Chloromethane	ND		1.0	0.35	ug/L			08/26/15 23:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/26/15 23:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/26/15 23:49	1
Cyclohexane	ND		1.0	0.18	ug/L			08/26/15 23:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/26/15 23:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/26/15 23:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/15 23:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/26/15 23:49	1
Methyl acetate	ND		2.5	1.3	ug/L			08/26/15 23:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/26/15 23:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/26/15 23:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/26/15 23:49	1
Styrene	ND		1.0	0.73	ug/L			08/26/15 23:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/26/15 23:49	1
Toluene	ND		1.0	0.51	ug/L			08/26/15 23:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/26/15 23:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/26/15 23:49	1
Trichloroethene	ND		1.0	0.46	ug/L			08/26/15 23:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/26/15 23:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/26/15 23:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/15 23:49	1

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

Lab Sample ID: MB 480-260625/7
Matrix: Water
Analysis Batch: 260625

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*08/26/15 23:49*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/26/15 23:49*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*08/26/15 23:49*	*1*

Lab Sample ID: LCS 480-260625/5
Matrix: Water
Analysis Batch: 260625

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.3		ug/L		97	71 - 129
1,1-Dichloroethene	25.0	29.3		ug/L		117	58 - 121
1,2-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 127
Benzene	25.0	24.5		ug/L		98	71 - 124
Chlorobenzene	25.0	24.5		ug/L		98	72 - 120
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
Methyl tert-butyl ether	25.0	25.4		ug/L		102	64 - 127
Tetrachloroethene	25.0	25.9		ug/L		104	74 - 122
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	24.9		ug/L		100	73 - 127
Trichloroethene	25.0	25.3		ug/L		101	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: MB 480-260929/10
Matrix: Water
Analysis Batch: 260929

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/28/15 12:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/15 12:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/15 12:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/15 12:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/15 12:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/15 12:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/15 12:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/15 12:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/15 12:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/15 12:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/15 12:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/15 12:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/15 12:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/15 12:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/15 12:30	1

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

Lab Sample ID: MB 480-260929/10
Matrix: Water
Analysis Batch: 260929

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	1.2	ug/L			08/28/15 12:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/15 12:30	1
Acetone	ND		10	3.0	ug/L			08/28/15 12:30	1
Benzene	ND		1.0	0.41	ug/L			08/28/15 12:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/15 12:30	1
Bromoform	ND		1.0	0.26	ug/L			08/28/15 12:30	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/15 12:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/15 12:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/15 12:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/15 12:30	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/15 12:30	1
Chloroform	ND		1.0	0.34	ug/L			08/28/15 12:30	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/15 12:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/15 12:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/15 12:30	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/15 12:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/15 12:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/28/15 12:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/15 12:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/15 12:30	1
Methyl acetate	ND		2.5	1.3	ug/L			08/28/15 12:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/15 12:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/15 12:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/15 12:30	1
Styrene	ND		1.0	0.73	ug/L			08/28/15 12:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/15 12:30	1
Toluene	ND		1.0	0.51	ug/L			08/28/15 12:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/15 12:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/15 12:30	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/15 12:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/15 12:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/15 12:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/15 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*08/28/15 12:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/28/15 12:30*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*08/28/15 12:30*	*1*

Lab Sample ID: LCS 480-260929/7
Matrix: Water
Analysis Batch: 260929

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	26.8		ug/L		107	71 - 129
1,1-Dichloroethene	25.0	29.9		ug/L		120	58 - 121
1,2-Dichlorobenzene	25.0	26.7		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	25.9		ug/L		103	75 - 127

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

Lab Sample ID: LCS 480-260929/7
Matrix: Water
Analysis Batch: 260929

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.9		ug/L		104	71 - 124
Chlorobenzene	25.0	26.4		ug/L		105	72 - 120
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	74 - 124
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
Methyl tert-butyl ether	25.0	26.6		ug/L		107	64 - 127
Tetrachloroethene	25.0	28.1		ug/L		112	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	27.5		ug/L		110	73 - 127
Trichloroethene	25.0	26.9		ug/L		107	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Toluene-d8 (Surr)	*104*		*71 - 126*

QC Association Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

GC/MS VOA

Analysis Batch: 260625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86118-2	MW- 19	Total/NA	Water	8260C	
480-86118-3	MW- 12	Total/NA	Water	8260C	
480-86118-4	MW- 18	Total/NA	Water	8260C	
LCS 480-260625/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-260625/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 260929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86118-1	MW- 3	Total/NA	Water	8260C	
480-86118-3 - DL	MW- 12	Total/NA	Water	8260C	
LCS 480-260929/7	Lab Control Sample	Total/NA	Water	8260C	
MB 480-260929/10	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Client Sample ID: MW- 3
Date Collected: 08/19/15 09:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	260929	08/28/15 19:18	NMD1	TAL BUF

Client Sample ID: MW- 19
Date Collected: 08/19/15 10:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260625	08/27/15 01:56	GVF	TAL BUF

Client Sample ID: MW- 12
Date Collected: 08/19/15 13:20
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	260625	08/27/15 02:19	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	8	260929	08/28/15 19:41	NMD1	TAL BUF

Client Sample ID: MW- 18
Date Collected: 08/19/15 14:00
Date Received: 08/24/15 13:40

Lab Sample ID: 480-86118-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260625	08/27/15 02:42	GVF	TAL BUF

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

Certification Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: ChemCore #915176

TestAmerica Job ID: 480-86118-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86118-1	MW- 3	Water	08/19/15 09:00	08/24/15 13:40
480-86118-2	MW- 19	Water	08/19/15 10:00	08/24/15 13:40
480-86118-3	MW- 12	Water	08/19/15 13:20	08/24/15 13:40
480-86118-4	MW- 18	Water	08/19/15 14:00	08/24/15 13:40

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	BEN RUNG (Dave Steiner)	8-19-15	270842
Address Division of Environmental Remediation, 625 Broadway	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
City Albany	**State** NY	**Zip Code** 12233	**Site Contact**	**Lab Contact**
Project Name and Location (State) Chemcore, Buffalo, NY	**Carrier/Waybill Number**	
Contract/Purchase Order/Quote No. NYS DEC site #915176		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis (Attach list if more space is needed): TCL VOA	Special Instructions/ Conditions of Receipt
MW-3	8-19-15	9:00		X						2			X	
MW-19		10:00		X						2			X	
MW-12		1:20		X						2			X	
MW-18		2:00		X						2			X	

480-86118 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10 BD Per Contract

QC Requirements (Specify)

1. Relinquished By: David R. Steiner	Date	Time	1. Received By: TA Buffalo	Date: 8/24/15	Time: 1142
2. Relinquished By: TA Buffalo	Date: 8/24/15	Time: 1340	2. Received By: TA Buff.	Date: 8/24/15	Time: 1340
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

4.1°C #3

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-86118-1

Login Number: 86118
List Number: 1
Creator: Hulbert, Michael J

List Source: TestAmerica Buffalo

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