



February 17, 2021

Ms. Karen Cahill
Project Manager
New York State Department of Environmental Conservation
615 Erie Boulevard
West Syracuse, New York 13204-2450

**Re: Destiny USA Real Estate, LLC
City of Syracuse, Onondaga County
Groundwater Monitoring Report: December 2020- BCP Site No. C734135**

Dear Ms. Cahill:

On behalf of Destiny USA Real Estate, LLC., and in accordance with the New York State Brownfield Cleanup Program Site No. C734135, JMT of New York, Inc. is pleased to submit this groundwater monitoring report. This report presents post-remediation groundwater monitoring results and demonstrates the effectiveness of in-situ chemical injection.

Actions Completed- December 2020

On December 22, 2020, five (5) monitoring wells were sampled using low-flow sampling techniques (see Figure 1 for monitoring well locations). Groundwater was purged from each well using a peristaltic pump until water quality parameter stabilization. Once stabilized (ensuring fresh groundwater), samples were collected. Samples were delivered to Alpha Analytical service center for transport to the laboratory and analyzed for VOCs. The samples were analyzed one day beyond the holding time, with DEC approval. Table 1 shows all detected constituents and those that exceeded T.O.G.S 1.1.1 Ambient Water Quality Standards. Any constituent not shown in Table 1 is non-detect in all monitoring wells. See Appendix A for the full laboratory analytical report. The attached graphs show the trends of Total VOCs for each monitoring well over time.

Observations

Following the remedial injections in May 2017, there has been an overall observable decreasing trend in contaminants of concern (COC) in the onsite wells.

The monitoring results generally continue to show declines in VOC levels compared to the pre-injection concentrations. In the December 2020 sampling event, total VOCs are well below the baseline concentrations, with the exception of SP-MW-41. Well MW-41 had by far the lowest initial (prior to remediation) VOC concentrations and there have been slight inconsistent fluctuations in concentrations since the injections. The December 2020 sampling results (total VOCs) are less than duplicate results obtained in September 2018 but higher than the December 2018 and 2019 data. In comparison to the baseline totals, VOCs have decreased by 83% in MW-43, 99% in MW-45, 99% in MW-46, and 99% in MW-47.



See the attached graphs showing the trend in each monitoring wells. The trends in wells MW-43R, MW-45, MW-46, and MW-47 indicate that improvements in groundwater quality are continuing to occur, and that concentrations can be expected to continue to decline over time. As such, we propose that groundwater sampling continue in wells MW-41 and MW-43R, with the next event scheduled for December 2022

If you have any questions do not hesitate to contact me at (518) 218-5638 or padel@jmt.com.

Sincerely,

JMT of New York, Inc.

Paul M. Adel, P.E.
Project Manager

Attachments

cc w/ att: R. Schoeneck, Destiny



Figure

VOCs	Ambient Groundwater	SP-MW-47 5/4/2017	SP-MW-47 8/8/2017	SP-MW-47 10/30/2017	SP-MW-47 3/29/2018	SP-MW-47 6/26/2018	SP-MW-47 9/28/2018	SP-MW-47 12/19/2018	SP-MW-47 12/20/2019	SP-MW-47 12/22/2020
1,2,4-Trimethylbenzene	5	120	68	--	42	12	--	15	--	--
Benzene	1	130	76	70	100	75	60	100	33	7.5
Ethylbenzene	5	21	14	5.5	15	J 8.4	--	11	--	--
Isopropylbenzene	5	19	12	12	15	J 8.1	27	13	19	8.2
n-Propylbenzene	5	26	16	12	18	J 8.3	9	8.2	--	--
p/m-Xylene	5	26	17	--	13	J 5.6	--	8.6	--	--
Toluene	5	14	7.6	--	7.1	J --	--	5.3	--	--

VOCs	Ambient Groundwater	SP-MW-41 5/4/2017	SP-MW-41 8/8/2017	SP-MW-41 10/30/2017	SP-MW-41 3/29/2018	SP-MW-41 6/26/2018	SP-MW-41 9/28/2018	DUP 9/28/2018	SP-MW-41 12/19/2018	SP-MW-41 12/20/2019	SP-MW-41 12/22/2020
Benzene	1	15	16	4	5.3	10	35	39	12	22	18
n-Propylbenzene	5	--	--	--	--	--	--	--	--	--	23
sec-Butylbenzene	5	--	--	--	--	--	--	--	--	--	6.5
Isopropylbenzene	5	--	--	--	--	--	31	32	12	36	67

VOCs	Ambient Groundwater	SP-MW-46 5/4/2017	SP-MW-46 8/8/2017	DUP 01 8/8/2017	SP-MW-46 10/30/2017	DUP 01 10/30/2017	SP-MW-46 3/29/2018	DUP 01 3/29/2018	SP-MW-46 6/26/2018	SP-MW-46 9/28/2018	SP-MW-46 12/19/2018	SP-MW-46 12/20/2019	SP-MW-46 12/22/2020	DUP 01 12/23/2020
1,2,4-Trimethylbenzene	5	34	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1	190	140	180	62	60	51	50	17	26	20	3.8	--	--
Ethylbenzene	5	14	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	5	11	22	27	16	16	5.7	5.4	--	18	--	--	15	14
p/m-Xylene	5	39	5.3	6.3	--	--	--	--	--	--	--	--	--	--
Toluene	5	5.3	--	--	--	--	--	--	--	--	--	--	--	--





VOCs	Ambient Groundwater	SP-MW-45 5/4/2017	SP-MW-45 8/8/2017	SP-MW-45 10/30/2017	SP-MW-45 3/29/2018	SP-MW-45 6/26/2018	SP-MW-45 9/28/2018	SP-MW-45 12/19/2018	SP-MW-45 12/20/2019	SP-MW-45 12/22/2020
1,2,4-Trimethylbenzene	5	180	140	28	230	110	9.1	61	--	--
Benzene	1	210	200	8.1	320	200	6.6	180	2.6	14
Ethylbenzene	5	42	40	6	65	36	--	34	--	--
Isopropylbenzene	5	14	12	--	25	17	7	12	--	--
n-Propylbenzene	5	26	22	4.1	41	26	--	15	--	--
o-Xylene	5	7.9	J 9	--	12	J 6.9	--	--	--	--
p/m-Xylene	5	150	160	--	130	53	--	60	--	--
Toluene	5	76	54	--	66	32	--	33	--	--

VOCs	Ambient Groundwater	SP-MW-43R 5/4/2017	SP-MW-43R 8/8/2017	SP-MW-43R 10/30/2017	SP-MW-43R 3/29/2018	SP-MW-43R 6/26/2018	DUP 6/26/2018	MW-43R 9/28/2018	MW-43R 12/19/2018	MW-43R 12/20/2019	MW-43R 12/22/2020
1,2,4-Trimethylbenzene	5	1400	460	770	170	530	550	570	170	530	320
1,3,5-Trimethylbenzene	5	400	140	110	26	92	96	24	11	45	--
Benzene	1	290	44	140	13	98	100	100	19	46	66
Ethylbenzene	5	1300	200	590	110	470	480	470	93	360	200
Isopropylbenzene	5	--	17	27	7.3	20	22	26	7.1	20	16
n-Butylbenzene	5	--	5.7	J --	--	--	--	--	--	--	--
n-Propylbenzene	5	100	J 36	54	12	38	39	45	13	40	27
Naphthalene	10	200	J 32	75	--	47	51	62	8.6	37	14
Acetone	50	--	--	140	--	60	92	79	--	--	56
o-Xylene	5	77	J 12	30	--	20	21	20	--	17	11
p/m-Xylene	5	1900	J 310	840	120	600	620	550	110	460	240
Toluene	5	100	J 14	48	7.6	40	41	35	7.5	33	24

Stone Rip Rap Lined Detention Basin Area

ALASKAN 22
(116-02-07.0, 4.1 ACRES)

LEGEND

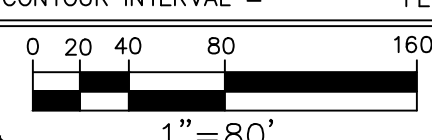
-  SITE 7/ENVIRONMENTAL EASEMENT BOUNDARY
-  TAX PARCEL BOUNDARIES
-  MONITORING WELL
-  AREA OF CONCERN

Note: Groundwater is compared to Part 703 and TOGS 1.1.1 Ambient Water Quality Standards

NO.	DATE	RECORD OF WORK	DRN	CKD
1	12/5/2017	Addition of 10/30/17 Analytical Results	KAO	YW
2	4/24/2018	Addition of 3/29/18 Analytical Results	KAO	YW
3	7/20/2018	Addition of 6/26/18 Analytical Results	KAO	JK
4	10/17/18	Addition of 9/28/18 Analytical Results	JK	
5	1/9/19	Addition of 12/19/18 Analytical Results	JK	
6	1/31/19	Updating 12/19/18 Analytical Results	JK	
7	1/31/20	Updating 12/20/19 Analytical Results	KO	
7	1/31/20	Updating 12/18/20 Analytical Results	MTG	

PROJECT

PROJ. MGR: PA
 PROJ. NO.: 18-00996
 PREPARED BY: KAO
 DRAFTED BY: KAO
 CHECKED BY: KAO
 APPROVED BY: JCK
 DATUM:
 CONTOUR INTERVAL = FEET



1" = 80'

SITE 7
Exceedances of Groundwater Standards After Remedy
 DESTINY USA

CITY OF SYRACUSE ONONDAGA CO., NY



19 British American Blvd., Latham, New York 12110
 P: (518) 782-0882 F: (518) 782-0973 www.jmt.com

DATE: 12/22/2020 SCALE: 1"=80' DWG. NO. 15209K FIGURE: 1



Tables

**Table 1
Groundwater
Sampling Results**

Analytes	T.O.G.S 1.1.1 Ambient Water Quality	SP-MW-41										
		5/4/2017	8/8/2017	10/30/2017	3/29/2018	6/26/2018	9/28/2018	DUP 9/28/2018	12/19/2018	12/20/2019	12/22/2020	
VOCs												
1,2,4-Trimethylbenzene	5	<5 U	<2.5 U	0.96 J	<2.5 U	1.5 J	3.3 J	3.3	<2.5 U	<2.5 U	<12 UJ	
1,2-Dichloroethane	0.6	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	1.3	<0.5 U	<2.5 U	<2.5 UJ	
1,2-Dichloropropane	1	<2 U	<1 U	<1 U	<1 U	<1 U	<2.5 U	<1 U	<1 U	<1 U	<5 UJ	
1,3,5-Trimethylbenzene	5	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<6.2 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	
Benzene	1	15	16	4	5.3	10	35	39	12	22	18 J	
Carbon disulfide	60	<10 U	28	2.3 J	<5 U	<5 U	<12 U	<5 U	<5 U	5 U	<25 UJ	
cis-1,2-Dichloroethene	5	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<6.2 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	
Ethylbenzene	5	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<6.2 U	0.99 J	<2.5 U	<2.5 U	<12 UJ	
Isopropylbenzene	5	4 J	1.6 J	1.2 J	1.8 J	4.3	31	32	12	36	67 J	
Methyl tert butyl ether	10	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<6.2 U	<2.5 U	<2.5 U	<12 U	<12 UJ	
n-Butylbenzene	5	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<6.2 U	<2.5 U	<2.5 U	<2.5 U	<12 U	
n-Propylbenzene	5	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	3 J	3.2	<2.5 U	10	23 J	
Naphthalene	10	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	2.3 J	<2.5 U	<2.5 U	<2.5 U	<12 UJ	
o-Xylene	5	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<6.2 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	
p-Isopropyltoluene	5	<5 U	<2.5 U	<2.6 U	<2.5 U	<2.5 U	<6.2 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	
p/m-Xylene	5	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<6.2 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	
sec-Butylbenzene	5	1.6 J	0.81 J	<2.6 U	0.93 J	1.1 J	4.6 J	4.1	3.5	3.4	6.5 J	
tert-Butylbenzene	5	<5 U	<2.5 U	<2.7 U	<2.5 U	0.71 J	3 J	2.5	2 J	1.9 J	<12 UJ	
Toluene	5	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<6.2 U	<2.5 U	<2.5 U	2.5 U	<12 UJ	
Total VOCs	147.6	20.6	46.41	8.46	8.03	17.61	82.2	86.4	29.5	73.3	114.5	

Notes:

1. Samples collected by JMT and submitted to Alpha Analytical for analysis.
2. Blue highlight represents an exceedance of Ambient Groundwater Quality Standards.
3. <0.457 U: Analyte was not detected. The number preceding the 'U' is the associated reported detection limit.
4. All results in ppb.
5. Total VOCs are calculated using detected values.
6. Results from 12/22/2020 include additional qualifiers from data validation.

Qualifiers:

- J: Estimated value.
- U: Not detected at the method detection limit (MDL) for the sample
- UJ: The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC fails outside the primary acceptance limits.

**Table 1
Groundwater
Sampling Results**

Analytes	T.O.G.S 1.1.1 Ambient Water Quality	SP-MW-43R										
		5/4/2017	8/8/2017	10/30/2017	3/29/2018	6/26/2018	DUP 6/26/2018	9/28/2018	12/19/2018	12/20/2019	12/22/2020	
VOCs												
1,2,4-Trimethylbenzene	5	1400	460	770	170	530	660	570	170	530	320	J
1,2-Dichloroethane	0.6	<50 U	<2.5 U	<5 U	<2.5 U	<5 U	<5 U	<5 U	<1.2 U	<0.5 U	<2.5 UJ	
1,2-Dichloropropane	1	<100 U	<5 U	<10 U	<5 U	<10 U	<10 U	<10 U	<2.5 U	<5 U	<5 UJ	
1,3,5-Trimethylbenzene	5	400	140	110	26	92	96	24 J	11	45	3.5	J
Benzene	1	290	44	140	13	98	100	100	19	46	66	J
Carbon disulfide	60	<500 U	<25 U	<50 U	<25 U	<50 U	<50 U	<50 U	<12 U	<5 U	<25 UJ	
cis-1,2-Dichloroethene	5	<250 U	<12 U	<25 U	<12 U	<25 U	<25 U	<25 U	<6.2 U	<2.5 U	<12 UJ	
Ethylbenzene	5	1300	200	590	110	470	480	470	93	360	200	J
Isopropylbenzene	5	<250 U	17	27	7.3	20 J	22 J	26	7.1	20	16	J
Methyl tert butyl ether	10	<250 U	<12 U	<25 U	<12 U	<25 U	<25 U	<25 U	<6.2 U	<12 U	<12 UJ	
n-Butylbenzene	5	<250 U	5.7 J	<25 U	<12 U	<25 U	<25 U	<25 U	<6.2 U	3.8 J	<12 UJ	
n-Propylbenzene	5	100 J	36	54	12	38	39	45	13	40	27	J
Naphthalene	10	200 J	32	75	6.1 J	47	51	62	8.6	37	14	J
o-Xylene	5	77 J	12	30	4.5 J	20	21 J	20 J	3.8 J	17	11	J
p-Isopropyltoluene	5	<250 U	4.2 J	<25 U	<12 U	<25 U	<25 U	<25 U	<6.2 U	<12 U	<12 UJ	
p/m-Xylene	5	1900	310	840	120	600	620	550	110	460	240	J
sec-Butylbenzene	5	<250 U	<12 U	<25 U	<12 U	<25 U	<25 U	<25 U	<6.2 U	<12 U	3.7	J
tert-Butylbenzene	5	<250 U	<12 U	<25 U	<12 U	<25 U	<25 U	<25 U	<6.2 U	<12 U	<12 UJ	
Acetone	50	<25 U	<25 U	140	<25 U	60	92	79	<25 U	<25 U	56	J
Toluene	5	100 J	14	48	7.6	40	41	35	7.5	33	24	J
Total VOCs	197.6	5767	1274.9	2824	476.5	2015	2222	1981	443	1591.8	981.2	

Notes:

1. Samples collected by JMT and submitted to Alpha Analytical for analysis.
2. Blue highlight represents an exceedance of Ambient Groundwater Quality Standards.
3. <0.457 U: Analyte was not detected. The number preceding the 'U' is the associated reported detection limit.
4. All results in ppb.
5. Total VOCs are calculated using detected values.
6. Results from 12/22/2020 include additional qualifiers from data validation.

Qualifiers:

- J: Estimated value.
- U: Not detected at the method detection limit (MDL) for the sample
- UJ: The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC fails outside the primary acceptance limits.

**Table 1
Groundwater
Sampling Results**

Analytes	T.O.G.S 1.1.1 Ambient Water Quality	SP-MW-45									
		5/4/2017	8/8/2017	10/30/2017	3/29/2018	6/26/2018	9/28/2018	12/19/2018	DUP 12/19/18	12/20/2019	12/22/2020
VOCs											
1,2,4-Trimethylbenzene	5	180	140	28	230	110	9.1	61	77	<2.5 U	16 J
1,2-Dichloroethane	0.6	<5 U	<1.2 U	<0.5 U	<5 U	<1.2 U	<0.5 U	<1 U	<2.5 U	<0.5 U	<2.5 UJ
1,2-Dichloropropane	1	<10 U	<2.5 U	<1 U	<10 U	<6.2 U	<1 U	<2 U	<5 U	<1 U	<5.0 UJ
1,3,5-Trimethylbenzene	5	<25 U	<6.2 U	<2.5 U	<25 U	<6.2 U	<2.5 U	<5 U	<12 U	<2.5 U	<12 UJ
Benzene	1	210	200	8.1	320	200	6.6	180	240	2.6	14 J
Carbon disulfide	60	<50 U	49	<5 U	<50 U	<12 U	<5 U	<10 U	<25 U	<5 U	<25 UJ
cis-1,2-Dichloroethene	5	<25 U	<6.2 U	<2.5 U	<25 U	<6.2 U	<2.5 U	<5 U	<12 U	<2.5 U	<12 UJ
Ethylbenzene	5	42	40	6	65	36	2.3 J	34	45	<2.5 U	<12 UJ
Isopropylbenzene	5	14 J	12	3.4	25	17	7	12	14	0.7 J	4.8 J
Methyl tert butyl ether	10	<25 U	<6.2 U	<2.5 U	<25 U	<6.2 U	<2.5 U	<5 U	<12 U	<2.5 U	<12 UJ
n-Butylbenzene	5	<25 U	2.3 J	<2.5 U	<25 U	<6.2 U	<2.5 U	<5 U	<12 U	<2.5 U	<12 UJ
n-Propylbenzene	5	26	22	4.1	41	26	2.4 J	15	20	<2.5 U	<12 UJ
Naphthalene	10	<25 U	<6.2 U	<2.5 U	<25 U	<6.2 U	0.77 J	<5 U	<12 U	<2.5 U	<12 UJ
o-Xylene	5	7.9 J	9	<2.5 U	12 J	6.9	0.7 J	5	6.4 J	<2.5 U	<12 UJ
p-Isopropyltoluene	5	<25 U	<6.2 U	<2.5 U	<25 U	<6.2 U	<2.5 U	<5 U	<12 U	0.7 J	<12 UJ
p/m-Xylene	5	150	160	4	130	53	0.93 J	60	79	<2.5 U	<12 UJ
sec-Butylbenzene	5	<25 U	2.2 J	<2.5 U	<25 U	2.4 J	0.97 J	1.4 J	<12 U	<2.5 U	<12 UJ
tert-Butylbenzene	5	<25 U	<6.2 U	<2.5 U	<25 U	<6.2 U	0.74 J	<5 U	<12 U	<2.5 U	<12 UJ
Toluene	5	76	54	1.2 J	66	32	<2.5 U	33	42	<2.5 U	<12 UJ
Total VOCs	147.6	705.9	690.5	54.8	889	483.3	31.51	401.4	523.4	4	34.8

Notes:

1. Samples collected by Spectra and submitted to Alpha Analytical for analysis.
2. Blue highlight represents an exceedance of Ambient Groundwater Quality Standards.
3. <0.457 U: Analyte was not detected. The number preceding the 'U' is the associated reported detection limit.
4. All results in ppb.
5. Total VOCs are calculated using detected values.
6. Results from 12/22/2020 include additional qualifiers from data validation.

Qualifiers:

- J: Estimated value.
- U: Not detected at the method detection limit (MDL) for the sample
- UJ: The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC fails outside the primary acceptance limits.

**Table 1
Groundwater
Sampling Results**

Analytes	T.O.G.S 1.1.1 Ambient Water Quality	SP-MW-46													
		5/4/2017	8/8/2017	DUP01 8/8/2017	10/30/2017	DUP 01 10/30/2017	3/29/2018	DUP 01 3/29/2018	6/26/2018	9/28/2018	12/19/2018	12/20/2019	DUP 01 12/22/2020	12/22/2020	
VOCs															
1,2,4-Trimethylbenzene	5	34	1.7 J	1.8 J	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
1,2-Dichloroethane	0.6	<1 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<2.5 UJ	<2.5 UJ
1,2-Dichloropropane	1	<2 U	0.34 J	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<5 UJ	<5 UJ
1,3,5-Trimethylbenzene	5	<5 U	<5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
Benzene	1	190	140	180	62	60	51	50	17	26	20	3.8	<2.5 UJ	<2.5 UJ	
Carbon disulfide	60	<10 U	23	<10 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<25 UJ	<25 UJ
cis-1,2-Dichloroethene	5	<5 U	<5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
Ethylbenzene	5	14	1.9 J	2.5 J	0.73 J	0.71 J	0.88 J	0.85 J	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
Isopropylbenzene	5	11	22	27	16	16	5.7	5.4	3.3	18	1.3 J	3	14 J	15 J	
Methyl tert butyl ether	10	8.4	7	9.1	2.8	2.6	2.9	2.9	1.7 J	2.5	0.93 J	0.96 J	<12 UJ	<12 UJ	
n-Butylbenzene	5	<5 U	<5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
n-Propylbenzene	5	4.7 J	2.1 J	2.7 J	1 J	0.79 J	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
Naphthalene	10	<5 U	<5 U	5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
o-Xylene	5	<5 U	<5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
p-Isopropyltoluene	5	<5 U	<5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
p/m-Xylene	5	39	5.3	6.3	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ
sec-Butylbenzene	5	<5 U	<5 U	1.8 J	0.97 J	1 J	<2.5 U	<2.5 U	<2.5 U	1.4 J	<2.5 U	<2.5 U	<12 UJ	<12 UJ	
tert-Butylbenzene	5	<5 U	<5 U	1.4 J	0.94 J	0.88 J	<2.5 U	<2.5 U	<2.5 U	1.1 J	<2.5 U	<2.5 U	<12 UJ	<12 UJ	
Toluene	5	5.3	<5 U	1.4 J	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<12 UJ	<12 UJ	
Total VOCs	147.6	306.4	203.34	234	84.44	81.98	60.48	59.15	22	49	22.23	7.76	14	15	

Notes:

1. Samples collected by Spectra and submitted to Alpha Analytical for analysis.
2. Blue highlight represents an exceedance of Ambient Groundwater Quality Standards.
3. <0.457 U: Analyte was not detected. The number preceding the 'U' is the associated reported detection limit.
4. All results in ppb.
5. Total VOCs are calculated using detected values.
6. Results from 12/22/2020 include additional qualifiers from data validation.

Qualifiers:

- J: Estimated value.
- U: Not detected at the method detection limit (MDL) for the sample
- UJ: The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC fails outside the primary acceptance limits.

**Table 1
Groundwater
Sampling Results**

Analytes	T.O.G.S 1.1.1 Ambient Water Quality	SP-MW-47									
		5/4/2017	8/8/2017	10/30/2017	3/29/2018	6/26/2018	9/28/2018	12/19/2018	12/20/2019	12/22/2020	
VOCs											
1,2,4-Trimethylbenzene	5	120	68	2.2 J	42	12	<6.2 U	15	<2.5 U	<12 UJ	
1,2-Dichloroethane	0.6	<5 U	<1.2 U	<0.5 U	<5 U	<1 U	<1.2 U	<1 U	<0.5 U	<2.5 UJ	
1,2-Dichloropropane	1	<10 U	<2.5 U	<1 U	<10 U	<2 U	<2.5 U	<2 U	<1 U	<5 UJ	
1,3,5-Trimethylbenzene	5	<25 U	<6.2 U	<2.5 U	<25 U	<5 U	<6.2 U	<5 U	<2.5 U	<12 UJ	
Benzene	1	130	76	70	100	75	60	100	33	7.5 J	
Carbon disulfide	60	<50 U	27	<5 U	<50 U	<10 U	<12 U	<10 U	<5 U	<25 UJ	
cis-1,2-Dichloroethene	5	<25 U	2 J	1.2 J	<25 U	2 J	<6.2 U	2.6 J	<2.5 U	<12 UJ	
Ethylbenzene	5	21 J	14	5.5	15 J	8.4	<6.2 U	11	<2.5 U	<12 UJ	
Isopropylbenzene	5	19 J	12	12	15 J	8.1	27	13	19	8.2 J	
Methyl tert butyl ether	10	<25 U	<6.2 U	<2.5 U	<25 U	<5 U	<6.2 U	<5 U	<2.5 U	<12 UJ	
n-Butylbenzene	5	<25 U	<6.2 U	<2.5 U	<25 U	<5 U	<6.2 U	<5 U	<2.5 U	<12 UJ	
n-Propylbenzene	5	26	16	12	18 J	8.3	9	8.2	2.7	<12 UJ	
Naphthalene	10	<25 U	<6.2 U	<2.5 U	<25 U	<5 U	<6.2 U	<5 U	<2.5 U	<12 UJ	
o-Xylene	5	<25 U	1.8 J	<2.5 U	<25 U	<5 U	<6.2 U	<5 U	<2.5 U	<12 UJ	
p-Isopropyltoluene	5	<25 U	<6.2 U	<2.5 U	<25 U	<5 U	<6.2 U	<5 U	<2.5 U	<12 UJ	
p/m-Xylene	5	26	17	2.5	13 J	5.6	<6.2 U	8.6	<2.5 U	<12 UJ	
sec-Butylbenzene	5	<25 U	<6.2 U	1.2 J	<25 U	<5 U	3.7 J	1.7 J	3.9	<12 UJ	
tert-Butylbenzene	5	<25 U	<6.2 U	<2.5 U	<25 U	<5 U	2.5 J	<5 U	2.3	<12 UJ	
Toluene	5	14 J	7.6	<2.5 U	7.1 J	2.7 J	<6.2 U	5.3	<2.5 U	<12 UJ	
Total VOCs	147.6	356	241.4	106.6	210.1	122.1	102.2	165.4	60.9	15.7	

Notes:

1. Samples collected by Spectra and submitted to Alpha Analytical for analysis.
2. Blue highlight represents an exceedance of Ambient Groundwater Quality Standards.
3. <0.457 U: Analyte was not detected. The number preceding the 'U' is the associated reported detection limit.
4. All results in ppb.
5. Total VOCs are calculated using detected values.
6. Results from 12/22/2020 include additional qualifiers from data validation.

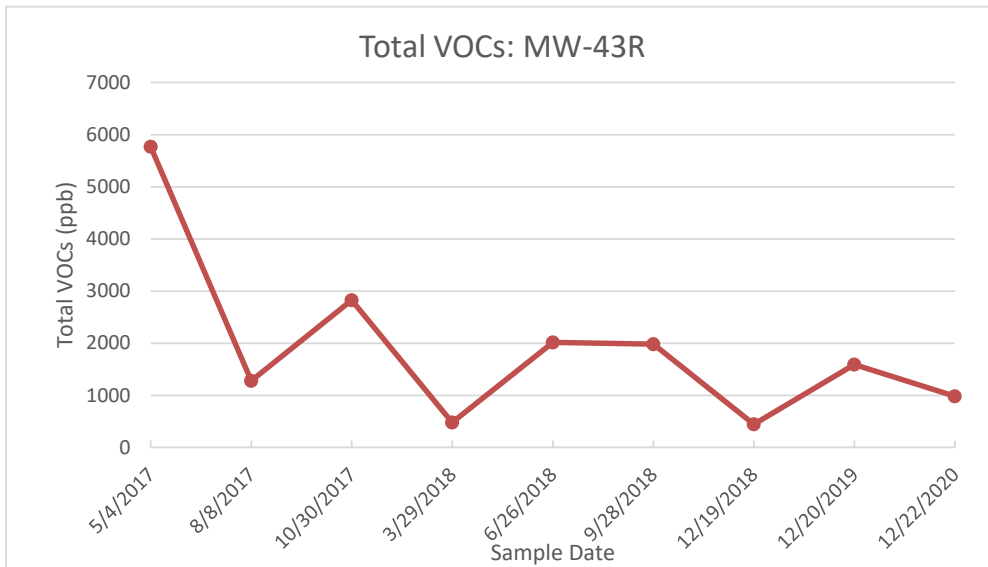
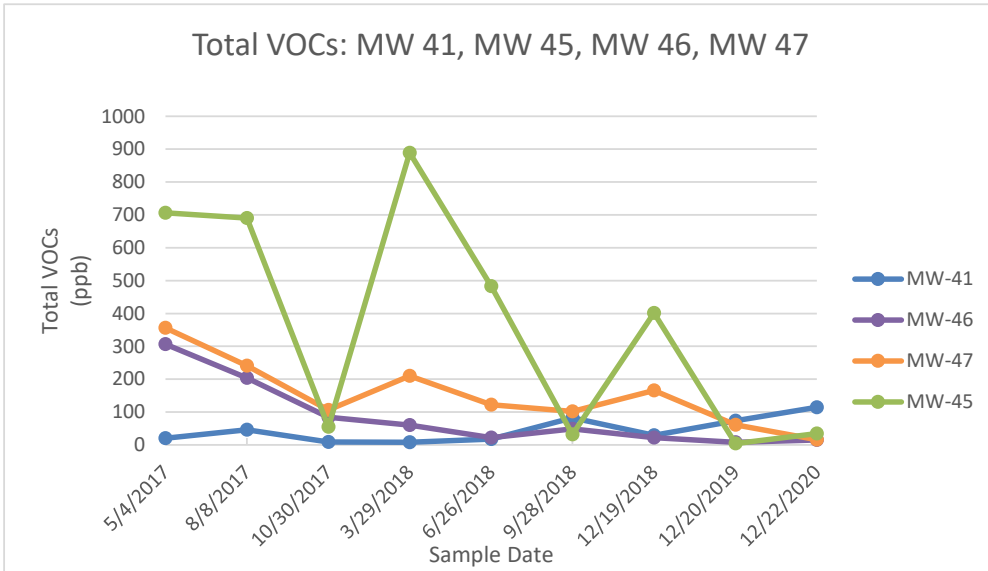
Qualifiers:

- J: Estimated value.
- U: Not detected at the method detection limit (MDL) for the sample
- UJ: The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC fails outside the primary acceptance limits.



Graphs

Total VOC Trends Destiny USA





Appendix A



ANALYTICAL REPORT

Lab Number:	L2100366
Client:	JMT, Inc. 19 British American Blvd. Latham, NY 12110
ATTN:	John Ciampa
Phone:	(518) 782-0882
Project Name:	EMBASSY SUITES ANNUAL GW SAMPL
Project Number:	18-00996N-010
Report Date:	01/12/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2100366-01	MW-41	WATER	SYRACUSE, NY	12/22/20 11:00	01/05/21
L2100366-02	MW-46	WATER	SYRACUSE, NY	12/22/20 12:00	01/05/21
L2100366-03	MW-47	WATER	SYRACUSE, NY	12/22/20 12:50	01/05/21
L2100366-04	MW-43R	WATER	SYRACUSE, NY	12/22/20 13:40	01/05/21
L2100366-05	MW-45	WATER	SYRACUSE, NY	12/22/20 14:20	01/05/21
L2100366-06	DUPLICATE	WATER	SYRACUSE, NY	12/22/20 12:00	01/05/21
L2100366-07	TRIP BLANK	WATER	SYRACUSE, NY	12/22/20 00:00	01/05/21

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

Case Narrative (continued)

Report Revision

January 12, 2021: The Volatile Organics analyte list has been amended on all submitted samples to include p-Isopropyltoluene and n-propylbenzene.

January 12, 2021: The Volatile Organics analyte list has been amended on all submitted samples.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2100366-05: The collection date and time on the chain of custody was 22-DEC-20 14:20; however, the collection date/time on the container label was 22-DEC-20 14:10. At the client's request, the collection date/time is reported as 22-DEC-20 14:20.

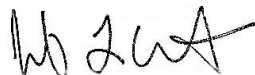
Volatile Organics

L2100366-01, -02, -03, -04, -05, and -06: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

L2100366-01, -02, -03, -04, -05, and -06 was analyzed with the method required holding time exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 01/12/21

ORGANICS

VOLATILES

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-01 D
 Client ID: MW-41
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 11:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 01/07/21 01:58
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	18		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-01 D
 Client ID: MW-41
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 11:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	6.5	J	ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	67		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5
n-Propylbenzene	23		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	31	J	ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	9.1	J	ug/l	50	2.0	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-01 D
 Client ID: MW-41
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 11:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	99		70-130

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-02 D
 Client ID: MW-46
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 01/07/21 01:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-02 D
 Client ID: MW-46
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	15		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	4.4	J	ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-02 D
 Client ID: MW-46
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	100		70-130

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-03 D
 Client ID: MW-47
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:50
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 01/07/21 01:14
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	7.5		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-03 D
 Client ID: MW-47
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:50
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	8.2	J	ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	1.8	J	ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-03 D
 Client ID: MW-47
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:50
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-04 D
 Client ID: MW-43R
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 13:40
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 01/07/21 00:52
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	66		ug/l	2.5	0.80	5
Toluene	24		ug/l	12	3.5	5
Ethylbenzene	200		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-04 D
 Client ID: MW-43R
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 13:40
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	240		ug/l	12	3.5	5
o-Xylene	11	J	ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	56		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	3.7	J	ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	16		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	14		ug/l	12	3.5	5
n-Propylbenzene	27		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	3.5	J	ug/l	12	3.5	5
1,2,4-Trimethylbenzene	320		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	150		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	95		ug/l	50	2.0	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-04 D
 Client ID: MW-43R
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 13:40
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	100		70-130

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-05 D
 Client ID: MW-45
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 14:20
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 01/07/21 00:31
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	14		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-05 D
 Client ID: MW-45
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 14:20
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	4.8	J	ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	16		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	28	J	ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	5.8	J	ug/l	50	2.0	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-05 D
 Client ID: MW-45
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 14:20
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-06 D
 Client ID: DUPLICATE
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 01/07/21 00:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-06 D
 Client ID: DUPLICATE
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	14		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	4.7	J	ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-06 D
 Client ID: DUPLICATE
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 12:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-07
 Client ID: TRIP BLANK
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 00:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 01/06/21 20:56
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-07
 Client ID: TRIP BLANK
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 00:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

SAMPLE RESULTS

Lab ID: L2100366-07
 Client ID: TRIP BLANK
 Sample Location: SYRACUSE, NY

Date Collected: 12/22/20 00:00
 Date Received: 01/05/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	97		70-130

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/06/21 19:51
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1452649-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/06/21 19:51
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1452649-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 01/06/21 19:51
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1452649-5					
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EMBASSY SUITES ANNUAL GW SAMPL

Lab Number: L2100366

Project Number: 18-00996N-010

Report Date: 01/12/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1452649-3 WG1452649-4								
Methylene chloride	93		110		70-130	17		20
1,1-Dichloroethane	100		130		70-130	26	Q	20
Chloroform	95		110		70-130	15		20
Carbon tetrachloride	90		110		63-132	20		20
1,2-Dichloropropane	96		120		70-130	22	Q	20
Dibromochloromethane	84		100		63-130	17		20
1,1,2-Trichloroethane	84		100		70-130	17		20
Tetrachloroethene	91		110		70-130	19		20
Chlorobenzene	93		110		75-130	17		20
Trichlorofluoromethane	100		120		62-150	18		20
1,2-Dichloroethane	94		110		70-130	16		20
1,1,1-Trichloroethane	95		120		67-130	23	Q	20
Bromodichloromethane	88		110		67-130	22	Q	20
trans-1,3-Dichloropropene	82		96		70-130	16		20
cis-1,3-Dichloropropene	82		99		70-130	19		20
Bromoform	78		97		54-136	22	Q	20
1,1,2,2-Tetrachloroethane	86		100		67-130	15		20
Benzene	91		110		70-130	19		20
Toluene	97		120		70-130	21	Q	20
Ethylbenzene	99		120		70-130	19		20
Chloromethane	130		150	Q	64-130	14		20
Bromomethane	120		140	Q	39-139	15		20
Vinyl chloride	110		130		55-140	17		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: EMBASSY SUITES ANNUAL GW SAMPL

Lab Number: L2100366

Project Number: 18-00996N-010

Report Date: 01/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1452649-3 WG1452649-4								
Chloroethane	140	Q	160	Q	55-138	13		20
1,1-Dichloroethene	97		120		61-145	21	Q	20
trans-1,2-Dichloroethene	100		120		70-130	18		20
Trichloroethene	94		110		70-130	16		20
1,2-Dichlorobenzene	91		110		70-130	19		20
1,3-Dichlorobenzene	97		110		70-130	13		20
1,4-Dichlorobenzene	91		110		70-130	19		20
Methyl tert butyl ether	87		100		63-130	14		20
p/m-Xylene	100		120		70-130	18		20
o-Xylene	95		115		70-130	19		20
cis-1,2-Dichloroethene	95		110		70-130	15		20
Styrene	95		120		70-130	23	Q	20
Dichlorodifluoromethane	110		130		36-147	17		20
Acetone	84		99		58-148	16		20
Carbon disulfide	92		110		51-130	18		20
2-Butanone	97		130		63-138	29	Q	20
4-Methyl-2-pentanone	86		110		59-130	24	Q	20
2-Hexanone	84		100		57-130	17		20
Bromochloromethane	89		100		70-130	12		20
1,2-Dibromoethane	85		100		70-130	16		20
n-Butylbenzene	98		120		53-136	20		20
sec-Butylbenzene	94		120		70-130	24	Q	20
tert-Butylbenzene	86		110		70-130	24	Q	20

Lab Control Sample Analysis Batch Quality Control

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1452649-3 WG1452649-4								
1,2-Dibromo-3-chloropropane	67		83		41-144	21	Q	20
Isopropylbenzene	100		120		70-130	18		20
p-Isopropyltoluene	99		120		70-130	19		20
Naphthalene	60	Q	77		70-130	25	Q	20
n-Propylbenzene	110		130		69-130	17		20
1,2,3-Trichlorobenzene	60	Q	75		70-130	22	Q	20
1,2,4-Trichlorobenzene	66	Q	84		70-130	24	Q	20
1,3,5-Trimethylbenzene	100		120		64-130	18		20
1,2,4-Trimethylbenzene	100		120		70-130	18		20
Methyl Acetate	94		110		70-130	16		20
Cyclohexane	110		130		70-130	17		20
1,4-Dioxane	68		88		56-162	26	Q	20
Freon-113	100		120		70-130	18		20
Methyl cyclohexane	92		110		70-130	18		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		108		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	111		111		70-130
Dibromofluoromethane	100		100		70-130



Matrix Spike Analysis

Batch Quality Control

Project Name: EMBASSY SUITES ANNUAL GW SAMPL

Lab Number: L2100366

Project Number: 18-00996N-010

Report Date: 01/12/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1452649-6 WG1452649-7 QC Sample: L2100366-03 Client ID: MW-47												
Methylene chloride	ND	50	52	104		54	108		70-130	4		20
1,1-Dichloroethane	ND	50	58	116		57	114		70-130	2		20
Chloroform	ND	50	52	104		51	102		70-130	2		20
Carbon tetrachloride	ND	50	51	102		48	96		63-132	6		20
1,2-Dichloropropane	ND	50	56	112		54	108		70-130	4		20
Dibromochloromethane	ND	50	50	100		48	96		63-130	4		20
1,1,2-Trichloroethane	ND	50	51	102		51	102		70-130	0		20
Tetrachloroethene	ND	50	50	100		49	98		70-130	2		20
Chlorobenzene	ND	50	52	104		50	100		75-130	4		20
Trichlorofluoromethane	ND	50	58	116		56	112		62-150	4		20
1,2-Dichloroethane	ND	50	54	108		53	106		70-130	2		20
1,1,1-Trichloroethane	ND	50	54	108		55	110		67-130	2		20
Bromodichloromethane	ND	50	50	100		51	102		67-130	2		20
trans-1,3-Dichloropropene	ND	50	45	90		44	88		70-130	2		20
cis-1,3-Dichloropropene	ND	50	46	92		45	90		70-130	2		20
Bromoform	ND	50	49	98		47	94		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	50	55	110		53	106		67-130	4		20
Benzene	7.5	50	56	97		56	97		70-130	0		20
Toluene	ND	50	52	104		52	104		70-130	0		20
Ethylbenzene	ND	50	55	110		54	108		70-130	2		20
Chloromethane	ND	50	79	158	Q	72	144	Q	64-130	9		20
Bromomethane	ND	50	58	116		48	96		39-139	19		20
Vinyl chloride	ND	50	62	124		64	128		55-140	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: EMBASSY SUITES ANNUAL GW SAMPL

Lab Number: L2100366

Project Number: 18-00996N-010

Report Date: 01/12/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1452649-6 WG1452649-7 QC Sample: L2100366-03 Client ID: MW-47												
Chloroethane	ND	50	65	130		59	118		55-138	10		20
1,1-Dichloroethene	ND	50	55	110		52	104		61-145	6		20
trans-1,2-Dichloroethene	ND	50	57	114		57	114		70-130	0		20
Trichloroethene	ND	50	51	102		51	102		70-130	0		20
1,2-Dichlorobenzene	ND	50	54	108		52	104		70-130	4		20
1,3-Dichlorobenzene	ND	50	52	104		52	104		70-130	0		20
1,4-Dichlorobenzene	ND	50	51	102		51	102		70-130	0		20
Methyl tert butyl ether	ND	50	51	102		50	100		63-130	2		20
p/m-Xylene	ND	100	110	110		110	110		70-130	0		20
o-Xylene	ND	100	110	110		110	110		70-130	0		20
cis-1,2-Dichloroethene	ND	50	50	100		47	94		70-130	6		20
Styrene	ND	100	110	110		110	110		70-130	0		20
Dichlorodifluoromethane	ND	50	62	124		61	122		36-147	2		20
Acetone	ND	50	58	116		67	134		58-148	14		20
Carbon disulfide	ND	50	58	116		56	112		51-130	4		20
2-Butanone	ND	50	76	152	Q	70	140	Q	63-138	8		20
4-Methyl-2-pentanone	ND	50	57	114		60	120		59-130	5		20
2-Hexanone	ND	50	56	112		55	110		57-130	2		20
Bromochloromethane	ND	50	53	106		50	100		70-130	6		20
1,2-Dibromoethane	ND	50	49	98		48	96		70-130	2		20
n-Butylbenzene	ND	50	55	110		54	108		53-136	2		20
sec-Butylbenzene	ND	50	56	112		55	110		70-130	2		20
tert-Butylbenzene	ND	50	51	102		50	100		70-130	2		20

Matrix Spike Analysis Batch Quality Control

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1452649-6 WG1452649-7 QC Sample: L2100366-03 Client ID: MW-47												
1,2-Dibromo-3-chloropropane	ND	50	47	94		45	90		41-144	4		20
Isopropylbenzene	8.2J	50	66	132	Q	64	128		70-130	3		20
p-Isopropyltoluene	ND	50	56	112		55	110		70-130	2		20
Naphthalene	ND	50	39	78		41	82		70-130	5		20
n-Propylbenzene	ND	50	59	118		58	116		69-130	2		20
1,2,3-Trichlorobenzene	ND	50	39	78		39	78		70-130	0		20
1,2,4-Trichlorobenzene	ND	50	43	86		43	86		70-130	0		20
1,3,5-Trimethylbenzene	ND	50	58	116		55	110		64-130	5		20
1,2,4-Trimethylbenzene	ND	50	60	120		56	112		70-130	7		20
Methyl Acetate	ND	50	58	116		57	114		70-130	2		20
Cyclohexane	1.8J	50	65	130		62	124		70-130	5		20
1,4-Dioxane	ND	2500	2400	96		2300	92		56-162	4		20
Freon-113	ND	50	59	118		60	120		70-130	2		20
Methyl cyclohexane	ND	50	55	110		52	104		70-130	6		20

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	109		109		70-130
4-Bromofluorobenzene	112		113		70-130
Dibromofluoromethane	99		98		70-130
Toluene-d8	100		103		70-130

Project Name: EMBASSY SUITES ANNUAL GW SAMPL**Lab Number:** L2100366**Project Number:** 18-00996N-010**Report Date:** 01/12/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2100366-01A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-01B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-01C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-02A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-02B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-02C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03A1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03A2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03B1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03B2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03C1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-03C2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-04A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-04B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-04C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-05A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-05B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-05C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-06A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-06B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)

Project Name: EMBASSY SUITES ANNUAL GW SAMPL**Lab Number:** L2100366**Project Number:** 18-00996N-010**Report Date:** 01/12/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2100366-06C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-07A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L2100366-07B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)

Project Name: EMBASSY SUITES ANNUAL GW SAMPL
Project Number: 18-00996N-010

Lab Number: L2100366
Report Date: 01/12/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: EMBASSY SUITES ANNUAL GW SAMPL
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Lab Number: L2100366
Report Date: 01/12/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics

EPA 3C Fixed gases

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

EPA 522.

Non-Potable Water


EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 ALPHA <small>ANALYTICAL</small>	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105				Page <u>1</u>	Date Rec'd in Lab <u>1/6/21</u>	ALPHA Job # <u>L2100366</u>		
		Project Information Project Name: <u>Embassy Suites Annual Groundwater Sampling</u> Project Location: <u>Syracuse, NY</u>				Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other			Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #	
		Client Information Client: <u>JMT Inc</u> Address: <u>19 British American Blvd</u> <u>Latham, NY 12110</u> Phone: <u>(518) 782-0882</u> Fax: _____ Email: <u>JClampa@JMT.com</u>		Project # <u>18-00996N-010</u> (Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge			Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
Project Manager: <u>John Ciampa</u> ALPHAQuote #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		These samples have been previously analyzed by Alpha <input type="checkbox"/>		Other project specific requirements/comments:		ANALYSIS Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)				
Please specify Metals or TAL.										
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Total Bottles TCL Values EPA 8160				
		Date	Time							
<u>00366-01</u>	<u>MW-41</u>	<u>12/22/20</u>	<u>1100</u>	<u>G.W.</u>	<u>MG</u>			<u>X</u>		
<u>02</u>	<u>MW-46</u>	<u>" "</u>	<u>1200</u>	<u>"</u>	<u>MG</u>			<u>X</u>		
<u>03</u>	<u>MW-47</u>	<u>" "</u>	<u>1250</u>	<u>"</u>	<u>MG</u>			<u>X</u>		
<u>04</u>	<u>MW-43R</u>	<u>" "</u>	<u>1340</u>	<u>"</u>	<u>MG</u>			<u>X</u>		
<u>05</u>	<u>MW-45</u>	<u>" "</u>	<u>1420</u>	<u>"</u>	<u>MG</u>			<u>X</u>		
<u>06</u>	<u>Duplicate</u>	<u>" "</u>	<u>1200</u>	<u>"</u>	<u>MG</u>			<u>X</u>		
<u>03</u>	<u>MS HSD</u>	<u>" "</u>	<u>1250</u>	<u>"</u>	<u>MG</u>			<u>X</u>		
<u>03</u>	<u>MSD</u>	<u>" "</u>	<u>1250</u>	<u>"</u>	<u>MG</u>			<u>X</u>		
<u>07</u>	<u>Trip Blank</u>	<u>" "</u>		<u>"</u>	<u>MG</u>	<u>X</u>				
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type <u>V</u> Preservative <u>B</u>				
Relinquished By: <u>[Signature]</u>		Date/Time: <u>12/22/20 1500</u>		Received By: <u>[Signature]</u>		Date/Time: <u>1/5/21 1940</u>				
Relinquished By: <u>[Signature]</u>		Date/Time: <u>1/5/21 1940</u>		Received By: <u>[Signature]</u>		Date/Time: <u>1/6/21 00:15</u>				
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)										