January 30, 2023

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
Groundwater Monitoring Report: December 2022
Oil City/Carousel Center – Site 7, BCP Site No. C734135
City of Syracuse, Onondaga County

Dear Ms. Cahill:

On behalf of Destiny USA Real Estate, LLC., JMT of New York, Inc. is pleased to submit this groundwater monitoring report. The subject activities were conducted in accordance with the Site Management Plan for New York State Brownfield Cleanup Program Site No. C734135 (Oil City/Carousel Center – Site 7) and a letter from the Department of Environmental Conservation (DEC) dated February 18, 2021. As approved by DEC, monitoring wells SP-MW-45, SP-MW-46 and SP-MW-47 were removed from the sampling program and the sampling frequency for monitoring wells SP-MW-41 and SP-MW-43R was reduced from annual to biennial.

Actions Completed- December 2022

On December 1, 2022, two monitoring wells (SP-MW-41 and SP-MW-43R) were sampled using low-flow sampling techniques. See Figure 1 for monitoring well locations. Prior to sample collection, 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 the Alpha Analytical Service Center for transport to the laboratory and analyzed for VOCs (see Appendix A for Lab Report). The results were also validated by an independent third-party firm (see Appendix B for Data Usability Summary Report). Table 1 shows all detected constituents with a comparison to T.O.G. S 1.1.1 Ambient Water Quality Standards. Any constituent not shown in Table 1 was non-detect in the groundwater samples. The attached graphs show the trends of total VOCs for these monitoring wells over time.

Observations

The most-recent monitoring results for SP-MW-43R shows a decline of 91% in VOC levels compared to pre-injection concentrations (see Table 1). In the latest sampling round, SP-MW-43R shows a significant decrease in total VOCs; 440.31 ppb (530.6 ppb duplicate sample) in 2022 compared to 981.2 ppb in 2020 (see Graphs). The trend in well MW-43R indicates that improvements in groundwater quality are continuing to occur (see Figure 1), and that concentrations can be expected to continue to decline over time.

The overall concentrations and number of constituents detected in SP-MW-41 are much less than SP-MW-43R. There was a slight, but not significant increase in total VOCs (114.5 ppb to 120.7 ppb) from 2020 to 2022 in SP-MW-41 (see Table 1 and Figure 1).

If you have any questions do not hesitate to contact me at (518) 782-0882 or ywinters@jmt.com.

Sincerely,

JMT of New York, Inc.

Yaicha Winters

Yaicha Winters, PhD
Project Manager

Attachments

cc w/ att: D. Aitken, Pyramid
B. Mungar, Destiny

Figure

VOCs	Ambient Groundwater	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	12/1/2022
1,2-Dichloroethane	0.6	--	--	--	--	--	--	1.3	--	--	--	--
Benzene	1	15	16	4	5.3	10	35	39	12	22	18 J	19
n-Propylbenzene	5	--	--	--	--	--	--	--	--	--	23 J	25
sec-Butylbenzene	5	--	--	--	--	--	--	--	--	--	6.5 J	8.1
Isopropylbenzene	5	--	--	--	--	--	31	32	12	36	67 J	60

VOCs	Ambient Groundwater	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	12/1/2022	DUP 12/1/2022
1,2,4-Trimethylbenzene	5	1400	460	770	170	530	550	570	170	530	320 J	--	--
1,3,5-Trimethylbenzene	5	400	140	110	26	92	96	24	11	45	--	6.3	6.3
Benzene	1	290	44	140	13	98	100	100	19	46	66 J	22 J	30 J
Ethylbenzene	5	1300	200	590	110	470	480	470	93	360	200 J	150	160
Isopropylbenzene	5	--	17	27	7.3	20	22	26	7.1	20	16 J	10 J	18 J
n-Butylbenzene	5	--	5.7 J	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	5	100 J	36	54	12	38	39	45	13	40	27 J	11 J	24 J
Naphthalene	10	200 J	32	75	--	47	51	62	8.6	37	14 J	12 J	15 J
p-Isopropyltoluene	5	--	4.2 J	--	--	--	--	--	--	--	--	0.71 J	1.9 J
Acetone	50	--	--	140	--	60	92	79	--	--	56 J	24 U	26 U
o-Xylene	5	77 J	12	30	--	20	21	20	--	17	11 J	6.3 J	9.5 J
p/m-Xylene	5	1900 J	310	840	120	600	620	550	110	460	240 J	180	210
Toluene	5	100 J	14	48	7.6	40	41	35	7.5	33	24 J	17	23 J

HIAWATHA BOULEVARD WEST

OLD HIAWATHA BOULEVARD

Edge of Pavement

SP-MW-42R

MW-47

MW-46

SP-MW-41

SP-MW-43R

MW-45

SP-MW-21

2

3

1

ROUTE 81

SUN 1
(116.-02-01.0, 10.8 ACRES)

SITE 7

SOLAR STREET

Stone
Detenti

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	
8	1/10/23	Updating 12/1/22 Analytical Results	MG	

PROJECT

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

0 20 40 80 160
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: 1/10/2023 | SCALE: 1"=80' | DWG. NO. 15209K | FIGURE: 1

Table

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	12/1/2022
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	<5 U
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 U
Benzene	1	15	16	4	5.3	10	35	39	12	22	18 J	19
Carbon disulfide	60	<10 U	28	2.3 J	<5 U	<5 U	<12 U	<5 U	<5 U	5 U	<25 UJ	10 U
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	2.2 J
Isopropylbenzene	5	4 J	1.6 J	1.2 J	1.8 J	4.3	31	32	12	36	67 J	60
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	25
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	<5 U
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	2.4 J
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	8.1
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	4 J
	Total VOCs	**20.6**	**46.41**	**8.46**	**8.03**	**17.61**	**82.2**	**86.4**	**29.5**	**73.3**	**114.5**	**120.7**

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 12/1/2022 include additional qualifiers from data validation.

Qualifiers:

J: Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)
U: Not detected at the MDL for the sample

Table 1 (continued)
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	12/1/2022	DUP 12/1/2022
VOCs													
1,2,4-Trimethylbenzene	5	1400	460	770	170	530	660	570	170	530	320 J	2.5 U	2.5 U
1,3,5-Trimethylbenzene	5	400	140	110	26	92	96	24 J	11	45	3.5 J	6.3	6.3
Benzene	1	290	44	140	13	98	100	100	19	46	66 J	22 J	30 J
Carbon disulfide	60	<500 U	<25 U	<50 U	<25 U	<50 U	<50 U	<50 U	<12 U	<5 U	<25 UJ	5 U	1.1 J
Ethylbenzene	5	1300	200	590	110	470	480	470	93	360	200 J	150	160
Isopropylbenzene	5	<250 U	17	27	7.3	20 J	22 J	26	7.1	20	16 J	10 J	18 J
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	<2.5 U	1.7 J
n-Propylbenzene	5	100 J	36	54	12	38	39	45	13	40	27 J	11 J	24 J
Naphthalene	10	200 J	32	75	6.1 J	47	51	62	8.6	37	14 J	12 J	15 J
o-Xylene	5	77 J	12	30	4.5 J	20	21 J	20 J	3.8 J	17	11 J	6.3 J	9.5 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	0.71 J	1.9 J
p/m-Xylene	5	1900	310	840	120	600	620	550	110	460	240 J	180	210
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	<2.5 U	2.4 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	1 J	1.7 J
Acetone	50	<25 U	<25 U	140	<25 U	60	92	79	<25 U	<25 U	56 J	24 U	26 U
Toluene	5	100 J	14	48	7.6	40	41	35	7.5	33	24 J	17 J	23 J
	Total VOCs	**5767**	**1274.9**	**2824**	**476.5**	**2015**	**2222**	**1981**	**443**	**1591.8**	**981.2**	**440.31**	**530.6**

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 12/1/2022 include additional qualifiers from data validation.

Qualifiers:

J: Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)

U: Not detected at the method detection limit (MDL) for the sample

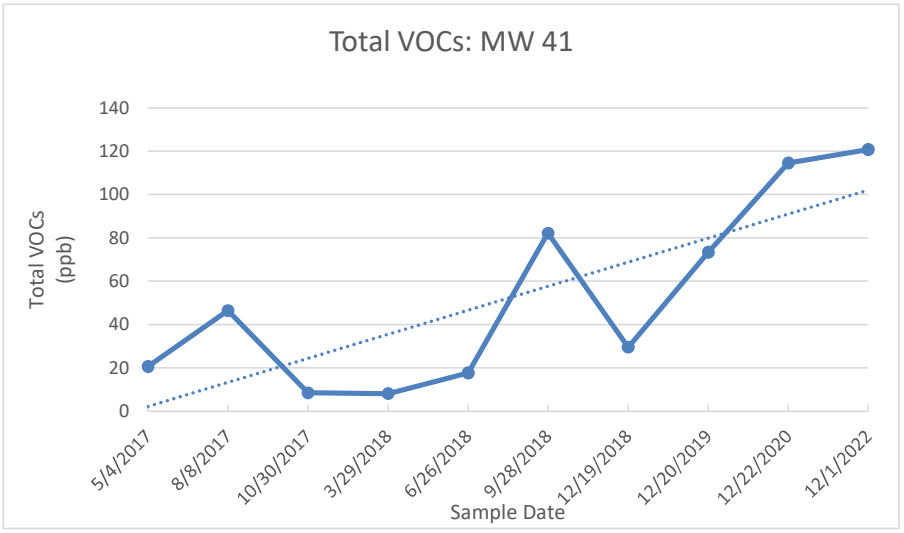
Data Validation Qualifiers:

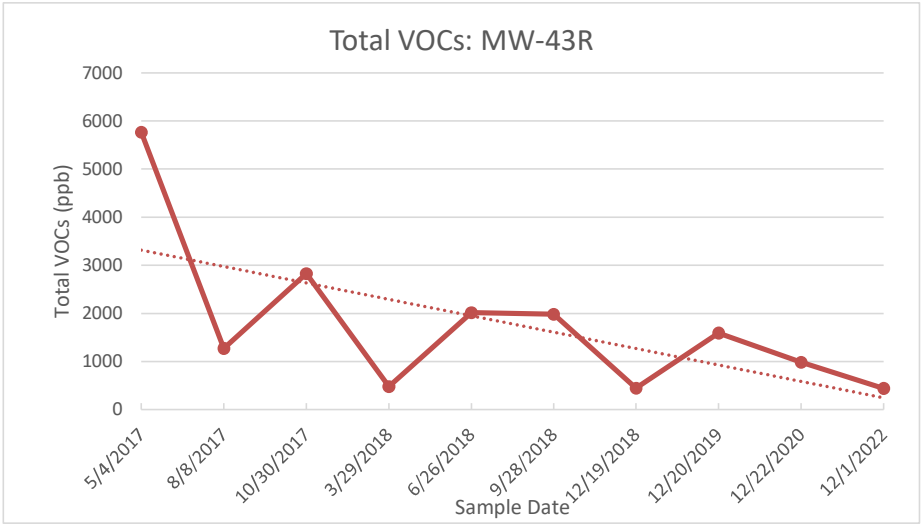
J: Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

U: Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

Graphs

Total VOC Trends
Destiny USA





Appendix A

ANALYTICAL REPORT

Lab Number:	L2267485
Client:	JMT, Inc. 19 British American Blvd. Latham, NY 12110
ATTN:	Matthew Gaffuri
Phone:	(518) 782-0882
Project Name:	DESTINY SITE 7
Project Number:	18-00996N-001
Report Date:	12/22/22

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: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2267485-01	SP-MW-41	WATER	Not Specified	12/01/22 12:30	12/01/22
L2267485-02	SP-MW-43R	WATER	Not Specified	12/01/22 13:30	12/01/22
L2267485-03	DUP1	WATER	Not Specified	12/01/22 12:00	12/01/22
L2267485-04	TRIP BLANK	WATER	Not Specified	12/01/22 00:00	12/01/22

Project Name:	DESTINY SITE 7	**Lab Number:**	L2267485
Project Number:	18-00996N-001	**Report Date:**	12/22/22

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:	DESTINY SITE 7	**Lab Number:**	L2267485
Project Number:	18-00996N-001	**Report Date:**	12/22/22

Case Narrative (continued)

Report Revision

December 22, 2022: The Volatile Organics compound list has been expanded.

Report Submission

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

Volatile Organics

L2267485-01D: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

L2267485-04: The Trip Blank has a result for acetone present above the reporting limit. The sample was re-analyzed and did not confirm the original results. The results of both analyses are reported.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/22/22

ORGANICS

VOLATILES

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-01 D
Client ID: SP-MW-41
Sample Location: Not Specified

Date Collected: 12/01/22 12:30
Date Received: 12/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/09/22 00:47
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	19		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	2.2	J	ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-01 D Date Collected: 12/01/22 12:30
Client ID: SP-MW-41 Date Received: 12/01/22
Sample Location: Not Specified 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	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	2.4	J	ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	8.1		ug/l	5.0	1.4	2
tert-Butylbenzene	4.0	J	ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	60		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	25		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	50		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	10	J	ug/l	20	0.79	2

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-01 D Date Collected: 12/01/22 12:30

Client ID: SP-MW-41 Date Received: 12/01/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	93		70-130

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-02
Client ID: SP-MW-43R
Sample Location: Not Specified

Date Collected: 12/01/22 13:30
Date Received: 12/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/09/22 00:27
Analyst: MJV

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	22		ug/l	0.50	0.16	1
Toluene	17		ug/l	2.5	0.70	1
Ethylbenzene	150		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: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-02 Date Collected: 12/01/22 13:30

Client ID: SP-MW-43R Date Received: 12/01/22

Sample Location: Not Specified 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	180		ug/l	2.5	0.70	1
o-Xylene	6.3		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	24		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	1.0	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	10		ug/l	2.5	0.70	1
p-Isopropyltoluene	0.71	J	ug/l	2.5	0.70	1
Naphthalene	12		ug/l	2.5	0.70	1
n-Propylbenzene	11		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	6.3		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	95		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	32		ug/l	10	0.40	1

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-02 Date Collected: 12/01/22 13:30

Client ID: SP-MW-43R Date Received: 12/01/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	93		70-130

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-03
Client ID: DUP1
Sample Location: Not Specified

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

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/09/22 11:44
Analyst: MJV

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	30		ug/l	0.50	0.16	1
Toluene	23		ug/l	2.5	0.70	1
Ethylbenzene	160		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: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-03 Date Collected: 12/01/22 12:00

Client ID: DUP1 Date Received: 12/01/22

Sample Location: Not Specified 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	210		ug/l	2.5	0.70	1
o-Xylene	9.5		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	26		ug/l	5.0	1.5	1
Carbon disulfide	1.1	J	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	1.7	J	ug/l	2.5	0.70	1
sec-Butylbenzene	2.4	J	ug/l	2.5	0.70	1
tert-Butylbenzene	1.7	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	18		ug/l	2.5	0.70	1
p-Isopropyltoluene	1.9	J	ug/l	2.5	0.70	1
Naphthalene	15		ug/l	2.5	0.70	1
n-Propylbenzene	24		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	6.3		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	120		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	88		ug/l	10	0.40	1

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-03 Date Collected: 12/01/22 12:00

Client ID: DUP1 Date Received: 12/01/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	89		70-130

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-04
Client ID: TRIP BLANK
Sample Location: Not Specified

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

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/08/22 23:47
Analyst: MJV

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: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-04 Date Collected: 12/01/22 00:00

Client ID: TRIP BLANK Date Received: 12/01/22

Sample Location: Not Specified 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	5.6		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
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: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-04 Date Collected: 12/01/22 00:00

Client ID: TRIP BLANK Date Received: 12/01/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	113		70-130

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-04 R
Client ID: TRIP BLANK
Sample Location: Not Specified

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

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/09/22 14:50
Analyst: MJV

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: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-04 R
Client ID: TRIP BLANK
Sample Location: Not Specified

Date Collected: 12/01/22 00:00
Date Received: 12/01/22
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	3.5	J	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
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: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

SAMPLE RESULTS

Lab ID: L2267485-04 R
Client ID: TRIP BLANK
Sample Location: Not Specified

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/08/22 17:45
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1721256-5					
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: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/08/22 17:45
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1721256-5					
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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/08/22 17:45
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1721256-5					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	112		70-130

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/09/22 08:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1722041-5					
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: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/09/22 08:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1722041-5					
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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70

Project Name: DESTINY SITE 7 **Lab Number:** L2267485

Project Number: 18-00996N-001 **Report Date:** 12/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/09/22 08:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1722041-5					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1721256-3 WG1721256-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	98		95		63-132	3		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	94		90		63-130	4		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	99		93		70-130	6		20
Chlorobenzene	100		96		75-130	4		20
Trichlorofluoromethane	83		81		62-150	2		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	97		95		67-130	2		20
Bromodichloromethane	98		94		67-130	4		20
trans-1,3-Dichloropropene	94		90		70-130	4		20
cis-1,3-Dichloropropene	91		89		70-130	2		20
Bromoform	86		80		54-136	7		20
1,1,2,2-Tetrachloroethane	100		95		67-130	5		20
Benzene	100		100		70-130	0		20
Toluene	100		98		70-130	2		20
Ethylbenzene	99		95		70-130	4		20
Chloromethane	120		120		64-130	0		20
Bromomethane	83		85		39-139	2		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1721256-3 WG1721256-4								
Chloroethane	95		93		55-138	2		20
1,1-Dichloroethene	88		84		61-145	5		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	98		92		70-130	6		20
1,3-Dichlorobenzene	100		93		70-130	7		20
1,4-Dichlorobenzene	100		94		70-130	6		20
Methyl tert butyl ether	90		89		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	86		84		36-147	2		20
Acetone	140		140		58-148	0		20
Carbon disulfide	92		90		51-130	2		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	99		96		59-130	3		20
2-Hexanone	100		100		57-130	0		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	98		93		70-130	5		20
n-Butylbenzene	100		98		53-136	2		20
sec-Butylbenzene	100		94		70-130	6		20
tert-Butylbenzene	98		90		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1721256-3 WG1721256-4								
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20
Isopropylbenzene	99		91		70-130	8		20
p-Isopropyltoluene	99		91		70-130	8		20
Naphthalene	93		87		70-130	7		20
n-Propylbenzene	100		98		69-130	2		20
1,2,3-Trichlorobenzene	96		89		70-130	8		20
1,2,4-Trichlorobenzene	100		92		70-130	8		20
1,3,5-Trimethylbenzene	100		94		64-130	6		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	112		110		56-162	2		20
Freon-113	88		87		70-130	1		20
Methyl cyclohexane	92		88		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	102		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1722041-3 WG1722041-4								
Methylene chloride	98		98		70-130	0		20
1,1-Dichloroethane	90		92		70-130	2		20
Chloroform	96		96		70-130	0		20
Carbon tetrachloride	87		88		63-132	1		20
1,2-Dichloropropane	86		89		70-130	3		20
Dibromochloromethane	89		91		63-130	2		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	74		81		62-150	9		20
1,2-Dichloroethane	87		88		70-130	1		20
1,1,1-Trichloroethane	93		94		67-130	1		20
Bromodichloromethane	88		92		67-130	4		20
trans-1,3-Dichloropropene	91		91		70-130	0		20
cis-1,3-Dichloropropene	86		88		70-130	2		20
Bromoform	84		83		54-136	1		20
1,1,2,2-Tetrachloroethane	90		88		67-130	2		20
Benzene	94		97		70-130	3		20
Toluene	96		100		70-130	4		20
Ethylbenzene	95		97		70-130	2		20
Chloromethane	82		81		64-130	1		20
Bromomethane	58		61		39-139	5		20
Vinyl chloride	79		82		55-140	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1722041-3 WG1722041-4								
Chloroethane	81		81		55-138	0		20
1,1-Dichloroethene	98		100		61-145	2		20
trans-1,2-Dichloroethene	98		99		70-130	1		20
Trichloroethene	86		87		70-130	1		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	97		98		70-130	1		20
1,4-Dichlorobenzene	95		96		70-130	1		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	96		96		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	72		75		36-147	4		20
Acetone	82		82		58-148	0		20
Carbon disulfide	98		100		51-130	2		20
2-Butanone	90		87		63-138	3		20
4-Methyl-2-pentanone	76		78		59-130	3		20
2-Hexanone	90		91		57-130	1		20
Bromochloromethane	98		98		70-130	0		20
1,2-Dibromoethane	96		98		70-130	2		20
n-Butylbenzene	97		96		53-136	1		20
sec-Butylbenzene	96		97		70-130	1		20
tert-Butylbenzene	98		98		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: DESTINY SITE 7

Project Number: 18-00996N-001

Lab Number: L2267485

Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1722041-3 WG1722041-4								
1,2-Dibromo-3-chloropropane	79		79		41-144	0		20
Isopropylbenzene	94		96		70-130	2		20
p-Isopropyltoluene	99		100		70-130	1		20
Naphthalene	79		82		70-130	4		20
n-Propylbenzene	97		97		69-130	0		20
1,2,3-Trichlorobenzene	82		84		70-130	2		20
1,2,4-Trichlorobenzene	91		93		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
Methyl Acetate	89		86		70-130	3		20
Cyclohexane	90		93		70-130	3		20
1,4-Dioxane	114		104		56-162	9		20
Freon-113	97		100		70-130	3		20
Methyl cyclohexane	93		96		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	104		102		70-130
Dibromofluoromethane	98		98		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: DESTINY SITE 7 ***Lab Number:*** L2267485

Project Number: 18-00996N-001 ***Report Date:*** 12/22/22

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): 01-02,04 QC Batch ID: WG1721256-6 WG1721256-7 QC Sample: L2267485-01 Client ID: SP-MW-41												
Methylene chloride	ND	20	19	95		19	95		70-130	0		20
1,1-Dichloroethane	ND	20	21	105		20	100		70-130	5		20
Chloroform	ND	20	18	90		18	90		70-130	0		20
Carbon tetrachloride	ND	20	17	85		17	85		63-132	0		20
1,2-Dichloropropane	ND	20	20	100		20	100		70-130	0		20
Dibromochloromethane	ND	20	18	90		17	85		63-130	6		20
1,1,2-Trichloroethane	ND	20	27	**135**	Q	27	**135**	Q	70-130	0		20
Tetrachloroethene	ND	20	18	90		17	85		70-130	6		20
Chlorobenzene	ND	20	18	90		18	90		75-130	0		20
Trichlorofluoromethane	ND	20	15	75		14	70		62-150	7		20
1,2-Dichloroethane	ND	20	18	90		18	90		70-130	0		20
1,1,1-Trichloroethane	ND	20	18	90		17	85		67-130	6		20
Bromodichloromethane	ND	20	17	85		17	85		67-130	0		20
trans-1,3-Dichloropropene	ND	20	18	90		17	85		70-130	6		20
cis-1,3-Dichloropropene	ND	20	17	85		16	80		70-130	6		20
Bromoform	ND	20	16	80		16	80		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	20	20	100		20	100		67-130	0		20
Benzene	19	20	38	95		38	95		70-130	0		20
Toluene	ND	20	20	100		19	95		70-130	5		20
Ethylbenzene	2.2J	20	20	100		19	95		70-130	5		20
Chloromethane	ND	20	26	130		25	125		64-130	4		20
Bromomethane	ND	20	11	55		11	55		39-139	0		20
Vinyl chloride	ND	20	21	105		20	100		55-140	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

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): 01-02,04 QC Batch ID: WG1721256-6 WG1721256-7 QC Sample: L2267485-01 Client ID: SP-MW-41												
Chloroethane	ND	20	18	90		19	95		55-138	5		20
1,1-Dichloroethene	ND	20	16	80		15	75		61-145	6		20
trans-1,2-Dichloroethene	ND	20	19	95		18	90		70-130	5		20
Trichloroethene	ND	20	19	95		18	90		70-130	5		20
1,2-Dichlorobenzene	ND	20	17	85		17	85		70-130	0		20
1,3-Dichlorobenzene	ND	20	17	85		17	85		70-130	0		20
1,4-Dichlorobenzene	ND	20	17	85		17	85		70-130	0		20
Methyl tert butyl ether	ND	20	18	90		18	90		63-130	0		20
p/m-Xylene	2.4J	40	36	90		35	88		70-130	3		20
o-Xylene	ND	40	34	85		33	82		70-130	3		20
cis-1,2-Dichloroethene	ND	20	18	90		17	85		70-130	6		20
Styrene	ND	40	34	85		32	80		70-130	6		20
Dichlorodifluoromethane	ND	20	15	75		15	75		36-147	0		20
Acetone	ND	20	34	**170**	Q	39	**195**	Q	58-148	14		20
Carbon disulfide	ND	20	18	90		17	85		51-130	6		20
2-Butanone	ND	20	31	**155**	Q	30	**150**	Q	63-138	3		20
4-Methyl-2-pentanone	ND	20	22	110		21	105		59-130	5		20
2-Hexanone	ND	20	20	100		20	100		57-130	0		20
Bromochloromethane	ND	20	18	90		17	85		70-130	6		20
1,2-Dibromoethane	ND	20	18	90		18	90		70-130	0		20
n-Butylbenzene	ND	20	18	90		19	95		53-136	5		20
sec-Butylbenzene	8.1	20	26	90		26	90		70-130	0		20
tert-Butylbenzene	4.0J	20	22	110		22	110		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

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): 01-02,04 QC Batch ID: WG1721256-6 WG1721256-7 QC Sample: L2267485-01 Client ID: SP-MW-41												
1,2-Dibromo-3-chloropropane	ND	20	18	90		17	85		41-144	6		20
Isopropylbenzene	60	20	76	80		77	85		70-130	1		20
p-Isopropyltoluene	ND	20	18	90		19	95		70-130	5		20
Naphthalene	ND	20	19	95		19	95		70-130	0		20
n-Propylbenzene	25	20	42	85		42	85		69-130	0		20
1,2,3-Trichlorobenzene	ND	20	17	85		17	85		70-130	0		20
1,2,4-Trichlorobenzene	ND	20	18	90		18	90		70-130	0		20
1,3,5-Trimethylbenzene	ND	20	18	90		18	90		64-130	0		20
Methyl Acetate	ND	20	20	100		20	100		70-130	0		20
Cyclohexane	50	20	75	125		74	120		70-130	1		20
1,4-Dioxane	ND	1000	1100	110		1100	110		56-162	0		20
Freon-113	ND	20	16	80		15	75		70-130	6		20
Methyl cyclohexane	10J	20	33	**165**	Q	33	**165**	Q	70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		95		70-130
4-Bromofluorobenzene	109		108		70-130
Dibromofluoromethane	93		95		70-130
Toluene-d8	110		111		70-130

Project Name: DESTINY SITE 7
Project Number: 18-00996N-001

Lab Number: L2267485
Report Date: 12/22/22

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(*)
L2267485-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-01A1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-01A2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-01B1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-01B2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-01C1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-01C2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-03A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-03B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-03C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2267485-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	DESTINY SITE 7	**Lab Number:**	L2267485
Project Number:	18-00996N-001	**Report Date:**	12/22/22

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

Project Name:	DESTINY SITE 7	**Lab Number:**	L2267485
Project Number:	18-00996N-001	**Report Date:**	12/22/22

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	DESTINY SITE 7	**Lab Number:**	L2267485
Project Number:	18-00996N-001	**Report Date:**	12/22/22

Data Qualifiers

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.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	DESTINY SITE 7	**Lab Number:**	L2267485
Project Number:	18-00996N-001	**Report Date:**	12/22/22

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 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; 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.
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, SM4500Cl-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, SM9222D.**

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, EPA 537.1.

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.

NEW YORK CHAIN OF CUSTODY

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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 1 of 1

Date Rec'd in Lab: 12/2/22

ALPHA Job #: L2267485

Client Information

Client: JMT of New York
Address: 19 British American Blvd. Latham NY 12110
Phone:
Fax:
Email: MGaffuri@JMT.com

Project Information

Project Name: Destiny Site 7
Project Location:
Project #: 13-60996N-001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL volatiles EPA 8260C	Sample Filtration / Preservation	Total Bottle
67485-01	SP-MW-41	12/1/22	1230	G.W.	MG	X		3
-01 DUP	SP-MW-41 MS		1230	G.W.	MG	X		3
-01	SP-MW-41 MSD		1230	G.W.	MG	X		3
-02	SP-MW-43R		1330	GW	MG	X		3
-03	Dup1		1200	GW	MG	X		3
-04	Trip Blank					X		2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Container Type: V
Preservative: D

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
	12/1/22 16:15		12/1/22 16:15
	12/1/22 16:20		12/2/22 0030

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Appendix B

ALPHA
GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

January 9, 2023

Mr. Matthew Gaffuri
Environmental Scientist
Natural & Cultural Resources.
JMT of New York, Inc.
19 British American Blvd.
Latham, New York 12110

Re: Data Validation Report
Project #: 18-00996N (Destiny Site 7)
December 2022 Ground Water Samples

Dear Mr. Gaffuri:

The data usability summary report (DUSR) and validation summary are attached to this letter for the Destiny Site 7, December 2022 ground water sampling event. The data for Alpha Analytical Labs SDG number L2267485 were acceptable, with minor issues that are identified in the DUSR and validation summary. There are no data that are qualified as rejected, unusable (R) in data pack.

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist JMT of New York, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA/bms
Via email

z:\projects\2022\22600-22620\22618-project 19-02534-003 (destiny site)\task 1 dusr\temp review\projec 19-02534-003 (destiny site)-231.ltr.docx

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2267485

2 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected December 1, 2022

Prepared by: Donald Anné
January 9, 2023

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile analyses for 2 ground water samples, 1 field duplicate, and 1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile results for acetone were qualified as "not detected" (U) for samples SP-MW-43R because the level reported in the samples were not significantly greater than (more than 10 times) the highest associated blank level.

- The positive volatile result for methyl cyclohexane was qualified as "estimated, biased high" (J+) for sample SP-MW-41 because 2 of 2 percent recoveries for methyl cyclohexane were above QC limits in the aqueous MS/MSD sample.

- The positive volatile results for 8 compounds were qualified as estimated (J) in samples SP-MW-43R and DUP1 because the relative percent differences for these 8 compounds were above the allowable maximum in the aqueous field duplicate pair SP-MW-43R/DUP1.

- The positive volatile result for acetone was qualified as "estimated" (J) for the re-analysis of the trip blank because %D for acetone was above the allowable maximum in the associated continuing calibration.

All data that are considered usable with estimated (J+ or J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

z:\projects\2022\22600-22620\22618-project 19-02534-003 (destiny site)\task 1 dusr\temp review\l2267485.dus.docx

Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-01D	Date Collected	: 12/01/22 12:30
Client ID	: SP-MW-41	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 00:47
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N26	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	ND	1.0	0.36	U
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	19	1.0	0.32	
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	2.2	5.0	1.4	J
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	ND	2.0	0.14	U
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-01D	Date Collected	: 12/01/22 12:30
Client ID	: SP-MW-41	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 00:47
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N26	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	ND	1.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	2.4	5.0	1.4	J
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.4	U
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
104-51-8	n-Butylbenzene	ND	5.0	1.4	U
135-98-8	sec-Butylbenzene	8.1	5.0	1.4	
98-06-6	tert-Butylbenzene	4.0	5.0	1.4	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	60	5.0	1.4	
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U
91-20-3	Naphthalene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-01D	Date Collected	: 12/01/22 12:30
Client ID	: SP-MW-41	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 00:47
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N26	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
103-65-1	n-Propylbenzene	25	5.0	1.4		
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U	
79-20-9	Methyl Acetate	ND	4.0	0.47	U	
110-82-7	Cyclohexane	50	20	0.54		
123-91-1	1,4-Dioxane	ND	500	120	U	
76-13-1	Freon-113	ND	5.0	1.4	U	
108-87-2	Methyl cyclohexane	10	20	0.79	J	J+

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-02	Date Collected	: 12/01/22 13:30
Client ID	: SP-MW-43R	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 00:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N25	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	22	0.50	0.16	J
108-88-3	Toluene	17	2.5	0.70	J
100-41-4	Ethylbenzene	150	2.5	0.70	
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-02	Date Collected	: 12/01/22 13:30
Client ID	: SP-MW-43R	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 00:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N25	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	180	2.5	0.70	
95-47-6	o-Xylene	6.3	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	24	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	1.0	2.5	0.70	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	10	2.5	0.70	J
99-87-6	p-Isopropyltoluene	0.71	2.5	0.70	J
91-20-3	Naphthalene	12	2.5	0.70	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-02	Date Collected	: 12/01/22 13:30
Client ID	: SP-MW-43R	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 00:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N25	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-65-1	n-Propylbenzene	11	2.5	0.70	J
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	6.3	2.5	0.70	
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	95	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	32	10	0.40	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-03	Date Collected	: 12/01/22 12:00
Client ID	: DUP1	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 11:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05221209A12	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	30	0.50	0.16	J
108-88-3	Toluene	23	2.5	0.70	J
100-41-4	Ethylbenzene	160	2.5	0.70	
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-03	Date Collected	: 12/01/22 12:00
Client ID	: DUP1	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 11:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05221209A12	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	210	2.5	0.70	
95-47-6	o-Xylene	9.5	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	26	5.0	1.5	U
75-15-0	Carbon disulfide	1.1	5.0	1.0	J
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	1.7	2.5	0.70	J
135-98-8	sec-Butylbenzene	2.4	2.5	0.70	J
98-06-6	tert-Butylbenzene	1.7	2.5	0.70	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	18	2.5	0.70	J
99-87-6	p-Isopropyltoluene	1.9	2.5	0.70	J
91-20-3	Naphthalene	15	2.5	0.70	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-03	Date Collected	: 12/01/22 12:00
Client ID	: DUP1	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 11:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05221209A12	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-65-1	n-Propylbenzene	24	2.5	0.70	J
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	6.3	2.5	0.70	
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	120	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	88	10	0.40	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-04	Date Collected	: 12/01/22 00:00
Client ID	: TRIP BLANK	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/08/22 23:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N23	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-04	Date Collected	: 12/01/22 00:00
Client ID	: TRIP BLANK	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/08/22 23:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N23	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	5.6	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-04	Date Collected	: 12/01/22 00:00
Client ID	: TRIP BLANK	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/08/22 23:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221208N23	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-04R	Date Collected	: 12/01/22 00:00
Client ID	: TRIP BLANK RE	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 14:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05221209A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-04R	Date Collected	: 12/01/22 00:00
Client ID	: TRIP BLANK RE	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 14:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05221209A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	3.5	5.0	1.5	J	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Lab ID	: L2267485-04R	Date Collected	: 12/01/22 00:00
Client ID	: TRIP BLANK RE	Date Received	: 12/01/22
Sample Location	:	Date Analyzed	: 12/09/22 14:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05221209A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2267485

2 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected December 1, 2022

Prepared by: Donald Anné
January 9, 2023

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for 6 compounds (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for VOA105 on 11-07-22. The average RRF for acetone was below the method minimum, but not below 0.010 for VOA108 on 11-10-22. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 7 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 12-09-22 (V05221209A01). The %Ds for chloromethane acetone, and methyl acetate were above the method maximum on 12-08-22 (V08221208N01). The %Ds for 6 compounds (highlighted yellow on attached Form 7) were above the method maximum on 12-09-22 (V05221209A01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

The %Ds for chloromethane acetone, and methyl acetate were above the allowable maximum (20%) on 12-08-22 (V08221208N01). The %Ds for 6 compounds (highlighted yellow on attached Form 7) were above the allowable maximum (20%) on 12-09-22 (V05221209A01). Positive results for these compounds should be considered estimated (J) in associated samples.

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Blanks: The analyses of the method blanks reported target compounds as not detected. The initial analysis for the trip blank contained a trace of acetone (5.6 ug/kg). The re-analysis for the trip blank contained a trace of acetone (3.5 ug/kg). Positive results for acetone that are less than 10 times the method blank level should be considered not detected (U) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum, but 2 of 2 percent recoveries for 1,1,2-trichloroethane, acetone, 2-butanone, and methyl cyclohexane were above QC limits for aqueous MS/MSD sample SP-MW-41. The positive result for methyl cyclohexane should be considered estimated, biased high (J+) in sample SP-MW-41.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples WG1721256-3/4 and WG1722041-3/4. Positive results for dichlorodifluoromethane should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The relative percent differences for 8 compounds were above the allowable maximum (20%) for aqueous field duplicate pair SP-MW-43R/DUP1 (attached table). Positive results for these 8 compounds should be considered estimated (J) in samples SP-MW-43R and DUP1.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Client Sample ID	: SP-MW-41	Matrix	: WATER
Lab Sample ID	: L2267485-01	Analysis Date	: 12/09/22 00:47
Matrix Spike	: WG1721256-6	MS Analysis Date	: 12/09/22 01:07
Matrix Spike Dup	: WG1721256-7	MSD Analysis Date	: 12/09/22 01:27

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	20	19	95	20	19	95	0	70-130	20
1,1-Dichloroethane	ND	20	21	105	20	20	100	5	70-130	20
Chloroform	ND	20	18	90	20	18	90	0	70-130	20
Carbon tetrachloride	ND	20	17	85	20	17	85	0	63-132	20
1,2-Dichloropropane	ND	20	20	100	20	20	100	0	70-130	20
Dibromochloromethane	ND	20	18	90	20	17	85	6	63-130	20
1,1,2-Trichloroethane	ND	20	27	135 Q	20	27	135 Q	0	70-130	20
Tetrachloroethene	ND	20	18	90	20	17	85	6	70-130	20
Chlorobenzene	ND	20	18	90	20	18	90	0	75-130	20
Trichlorofluoromethane	ND	20	15	75	20	14	70	7	62-150	20
1,2-Dichloroethane	ND	20	18	90	20	18	90	0	70-130	20
1,1,1-Trichloroethane	ND	20	18	90	20	17	85	6	67-130	20
Bromodichloromethane	ND	20	17	85	20	17	85	0	67-130	20
trans-1,3-Dichloropropene	ND	20	18	90	20	17	85	6	70-130	20
cis-1,3-Dichloropropene	ND	20	17	85	20	16	80	6	70-130	20
Bromoform	ND	20	16	80	20	16	80	0	54-136	20
1,1,2,2-Tetrachloroethane	ND	20	20	100	20	20	100	0	67-130	20
Benzene	19	20	38	95	20	38	95	0	70-130	20
Toluene	ND	20	20	100	20	19	95	5	70-130	20
Ethylbenzene	2.2J	20	20	100	20	19	95	5	70-130	20
Chloromethane	ND	20	26	130	20	25	125	4	64-130	20
Bromomethane	ND	20	11	55	20	11	55	0	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Client Sample ID	: SP-MW-41	Matrix	: WATER
Lab Sample ID	: L2267485-01	Analysis Date	: 12/09/22 00:47
Matrix Spike	: WG1721256-6	MS Analysis Date	: 12/09/22 01:07
Matrix Spike Dup	: WG1721256-7	MSD Analysis Date	: 12/09/22 01:27

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	ND	20	21	105	20	20	100	5	55-140	20
Chloroethane	ND	20	18	90	20	19	95	5	55-138	20
1,1-Dichloroethene	ND	20	16	80	20	15	75	6	61-145	20
trans-1,2-Dichloroethene	ND	20	19	95	20	18	90	5	70-130	20
Trichloroethene	ND	20	19	95	20	18	90	5	70-130	20
1,2-Dichlorobenzene	ND	20	17	85	20	17	85	0	70-130	20
1,3-Dichlorobenzene	ND	20	17	85	20	17	85	0	70-130	20
1,4-Dichlorobenzene	ND	20	17	85	20	17	85	0	70-130	20
Methyl tert butyl ether	ND	20	18	90	20	18	90	0	63-130	20
p/m-Xylene	2.4J	40	36	90	40	35	88	3	70-130	20
o-Xylene	ND	40	34	85	40	33	82	3	70-130	20
cis-1,2-Dichloroethene	ND	20	18	90	20	17	85	6	70-130	20
Styrene	ND	40	34	85	40	32	80	6	70-130	20
Dichlorodifluoromethane	ND	20	15	75	20	15	75	0	36-147	20
Acetone	ND	20	34	170 Q	20	39	195 Q	14	58-148	20
Carbon disulfide	ND	20	18	90	20	17	85	6	51-130	20
2-Butanone	ND	20	31	155 Q	20	30	150 Q	3	63-138	20
4-Methyl-2-pentanone	ND	20	22	110	20	21	105	5	59-130	20
2-Hexanone	ND	20	20	100	20	20	100	0	57-130	20
Bromochloromethane	ND	20	18	90	20	17	85	6	70-130	20
1,2-Dibromoethane	ND	20	18	90	20	18	90	0	70-130	20
n-Butylbenzene	ND	20	18	90	20	19	95	5	53-136	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: JMT, Inc.	Lab Number	: L2267485
Project Name	: DESTINY SITE 7	Project Number	: 18-00996N-001
Client Sample ID	: SP-MW-41	Matrix	: WATER
Lab Sample ID	: L2267485-01	Analysis Date	: 12/09/22 00:47
Matrix Spike	: WG1721256-6	MS Analysis Date	: 12/09/22 01:07
Matrix Spike Dup	: WG1721256-7	MSD Analysis Date	: 12/09/22 01:27

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	8.1	20	26	90	20	26	90	0	70-130	20
tert-Butylbenzene	4.0J	20	22	110	20	22	110	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	20	18	90	20	17	85	6	41-144	20
Isopropylbenzene	60	20	76	80	20	77	85	1	70-130	20
p-Isopropyltoluene	ND	20	18	90	20	19	95	5	70-130	20
Naphthalene	ND	20	19	95	20	19	95	0	70-130	20
n-Propylbenzene	25	20	42	85	20	42	85	0	69-130	20
1,2,3-Trichlorobenzene	ND	20	17	85	20	17	85	0	70-130	20
1,2,4-Trichlorobenzene	ND	20	18	90	20	18	90	0	70-130	20
1,3,5-Trimethylbenzene	ND	20	18	90	20	18	90	0	64-130	20
Methyl Acetate	ND	20	20	100	20	20	100	0	70-130	20
Cyclohexane	50	20	75	125	20	74	120	1	70-130	20
1,4-Dioxane	ND	1000	1100	110	1000	1100	110	0	56-162	20
Freon-113	ND	20	16	80	20	15	75	6	70-130	20
Methyl cyclohexane	10J	20	33	165 Q	20	33	165 Q	0	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	**: JMT, Inc.**	**Lab Number**	**: L2267485**
Project Name	**: DESTINY SITE 7**	**Project Number**	**: 18-00996N-001**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL19461**
Calibration dates	**: 11/07/22 17:43 11/07/22 21:13**		

Calibration Files

L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d

L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.206	0.260	0.255	0.245	0.234	0.236	0.233	0.239	7.37
3)	TP	Chloromethane		0.281	0.325	0.309	0.297	0.279	0.279	0.273	0.292	6.66
4)	TC	Vinyl chloride	0.298	0.258	0.353	0.345	0.335	0.324	0.326	0.323	0.320	9.39
5)	TP	Bromomethane		0.190	0.227	0.198	0.200	0.199	0.206	0.206	0.204	5.73
6)	TP	Chloroethane		0.224	0.255	0.240	0.228	0.213	0.209	0.198	0.224	8.62
7)	TP	Trichlorofluor		0.383	0.514	0.513	0.497	0.471	0.467	0.459	0.472	9.50
8)	TP	Ethyl ether		0.115	0.117	0.113	0.109	0.104	0.102	0.099	0.108	6.33
10)	TC	1,1-Dichloroet		0.204	0.243	0.223	0.217	0.218	0.228	0.230	0.223	5.38
11)	TP	Carbon disulfide		0.354	0.437	0.413	0.404	0.416	0.429	0.432	0.412	6.80
12)	TP	Freon-113		0.184	0.257	0.257	0.253	0.250	0.259	0.260	0.246	11.23
13)	TP	Iodomethane		0.267	0.334	0.339	0.343	0.354	0.366	0.359	0.337	9.81
14)	TP	Acrolein			0.037	0.029	0.029	0.029	0.029	0.028	0.030	11.69
15)	TP	Methylene chlo		0.246	0.250	0.239	0.236	0.236	0.238	0.237	0.240	2.25
17)	TP	Acetone			0.036	0.032	0.034	0.035	0.034	0.034	0.034	3.78
18)	TP	trans-1,2-Dich		0.236	0.269	0.250	0.249	0.249	0.253	0.251	0.251	3.76
19)	TP	Methyl acetate			0.074	0.083	0.091	0.089	0.085	0.085	0.084	7.00
20)	TP	Methyl tert butyl ether		0.422	0.456	0.456	0.466	0.462	0.465	0.460	0.455	3.35
21)	TP	tert-Butyl alc		0.012	0.012	0.011	0.012	0.011	0.011	0.011	0.011	5.38
22)	TP	Diisopropyl ether		0.695	0.745	0.745	0.747	0.718	0.718	0.715	0.726	2.74
23)	TP	1,1-Dichloroet		0.454	0.533	0.510	0.507	0.489	0.490	0.484	0.495	5.01
24)	TP	Halothane		0.144	0.211	0.201	0.204	0.205	0.210	0.209	0.198	12.15
25)	TP	Acrylonitrile		0.046	0.050	0.049	0.052	0.050	0.049	0.049	0.049	3.58
26)	TP	Ethyl tert-but		0.648	0.716	0.736	0.745	0.731	0.731	0.723	0.719	4.49
27)	TP	Vinyl acetate			0.264	0.354	0.371	0.392	0.411	0.350	0.357	14.38
28)	TP	cis-1,2-Dichlo		0.275	0.294	0.285	0.284	0.277	0.279	0.276	0.281	2.38
29)	TP	2,2-Dichloropr		0.356	0.446	0.425	0.415	0.401	0.404	0.398	0.406	6.82
30)	TP	Bromochloromet		0.094	0.129	0.131	0.130	0.130	0.129	0.126	0.124	10.82
31)	TP	Cyclohexane		0.458	0.557	0.553	0.540	0.517	0.522	0.531	0.525	6.30
32)	TC	Chloroform		0.407	0.472	0.452	0.447	0.435	0.439	0.435	0.441	4.52
33)	TP	Ethyl acetate			0.122	0.133	0.139	0.139	0.137	0.137	0.134	4.90
34)	TP	Carbon tetrachloride	0.351	0.319	0.401	0.411	0.421	0.417	0.413	0.424	0.395	9.71
35)	TP	Tetrahydrofuran			0.063	0.040	0.037	0.034	0.036	0.036	*L	0.9995
36)	S	Dibromofluoromethane	0.286	0.283	0.286	0.276	0.278	0.274	0.273	0.274	0.279	1.97
37)	TP	1,1,1-Trichlor		0.371	0.445	0.427	0.422	0.411	0.415	0.412	0.415	5.47
39)	TP	2-Butanone			0.042	0.053	0.057	0.056	0.056	0.055	0.053	10.46

Initial Calibration Summary
Form 6
Volatiles

Client	**: JMT, Inc.**	**Lab Number**	**: L2267485**
Project Name	**: DESTINY SITE 7**	**Project Number**	**: 18-00996N-001**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL19461**
Calibration dates	**: 11/07/22 17:43 11/07/22 21:13**		

Calibration Files
L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.273	0.356	0.352	0.353	0.349	0.352	0.352	0.341	8.84
41)	TP	Benzene	0.829	0.818	0.984	0.991	1.003	0.982	0.992	0.982	0.948	8.11
42)	TP	Tertiary-Amyl Methyl Ether		0.519	0.557	0.561	0.574	0.572	0.577	0.571	0.561	3.55
43)	S	1,2-Dichloroethane-d4	0.318	0.316	0.320	0.326	0.298	0.301	0.295	0.301	0.309	3.82
44)	TP	1,2-Dichloroet		0.322	0.356	0.347	0.339	0.326	0.324	0.318	0.333	4.27
47)	TP	Methyl cyclohe		0.364	0.478	0.484	0.490	0.482	0.487	0.489	0.468	9.79
48)	TP	Trichloroethene	0.348	0.280	0.303	0.281	0.285	0.275	0.277	0.288	0.292	8.36
50)	TP	Dibromomethane		0.129	0.143	0.144	0.143	0.141	0.140	0.140	0.140	3.55
51)	TC	1,2-Dichloropr		0.230	0.288	0.285	0.282	0.275	0.276	0.276	0.273	7.24
53)	TP	2-Chloroethyl		0.102	0.117	0.129	0.132	0.128	0.128	0.126	0.123	8.40
54)	TP	Bromodichlorom		0.319	0.354	0.342	0.342	0.334	0.340	0.338	0.338	3.04
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.36
58)	TP	cis-1,3-Dichlo		0.337	0.394	0.403	0.410	0.405	0.410	0.405	0.395	6.61
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.224	1.219	1.239	1.230	1.210	1.207	1.214	1.214	1.220	0.89
61)	TC	Toluene		0.657	0.779	0.793	0.782	0.782	0.784	0.778	0.765	6.26
62)	TP	4-Methyl-2-pen		0.076	0.072	0.070	0.071	0.069	0.067	0.067	0.070	4.37
63)	TP	Tetrachloroethene		0.261	0.377	0.381	0.393	0.395	0.401	0.396	0.372	13.30
65)	TP	trans-1,3-Dich		0.337	0.403	0.422	0.425	0.424	0.427	0.417	0.408	7.91
67)	TP	Ethyl methacry		0.253	0.270	0.271	0.270	0.269	0.267	0.259	0.265	2.63
68)	TP	1,1,2-Trichlor		0.181	0.196	0.192	0.186	0.186	0.185	0.184	0.187#	2.83
69)	TP	Chlorodibromom		0.249	0.284	0.307	0.313	0.320	0.322	0.317	0.302	8.79
70)	TP	1,3-Dichloropr		0.333	0.374	0.400	0.394	0.392	0.392	0.384	0.381	6.02
71)	TP	1,2-Dibromoethane		0.147	0.152	0.151	0.145	0.143	0.140	0.131	0.144#	4.97
72)	TP	2-Hexanone		0.094	0.101	0.105	0.106	0.103	0.100	0.095	0.101	4.64
73)	TP	Chlorobenzene		0.737	0.898	0.914	0.895	0.892	0.894	0.880	0.873	6.97
74)	TC	Ethylbenzene		1.341	1.593	1.597	1.560	1.542	1.544	1.488	1.524	5.81
75)	TP	1,1,1,2-Tetrac		0.252	0.303	0.327	0.334	0.335	0.336	0.324	0.316	9.59
76)	TP	p/m Xylene		0.492	0.624	0.640	0.624	0.625	0.635	0.617	0.608	8.51
77)	TP	o Xylene		0.477	0.566	0.595	0.580	0.580	0.589	0.578	0.566	7.13
78)	TP	Styrene		0.741	0.895	0.959	0.940	0.935	0.940	0.876	0.898	8.36
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.264	0.282	0.321	0.353	0.355	0.364	0.361	0.329	12.44
82)	TP	Isopropylbenzene		2.332	2.889	2.877	2.862	2.846	2.916	2.827	2.793	7.34
83)	S	4-Bromofluorobenzene	0.859	0.852	0.846	0.813	0.810	0.816	0.838	0.830	0.833	2.25
84)	TP	Bromobenzene		0.587	0.668	0.680	0.701	0.695	0.715	0.709	0.679	6.45

Initial Calibration Summary
Form 6
Volatiles

Client	**: JMT, Inc.**	**Lab Number**	**: L2267485**
Project Name	**: DESTINY SITE 7**	**Project Number**	**: 18-00996N-001**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL19461**
Calibration dates	**: 11/07/22 17:43 11/07/22 21:13**		

Calibration Files
L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.729	3.372	3.309	3.296	3.282	3.348	3.157	3.213	6.98
86) TP	1,4-Dichlorobu		0.687	0.682	0.657	0.641	0.631	0.648	0.650	0.657	3.14
87) TP	1,1,2,2-Tetrac		0.440	0.455	0.432	0.433	0.437	0.450	0.437	0.440	1.97
88) TP	4-Ethyltoluene		2.229	2.773	2.763	2.726	2.725	2.807	2.703	2.675	7.47
89) TP	2-Chlorotoluene		1.633	1.918	1.825	1.853	1.842	1.897	1.888	1.836	5.21
90) TP	1,3,5-Trimethy		2.095	2.436	2.390	2.367	2.329	2.384	2.320	2.332	4.77
91) TP	1,2,3-Trichlor		0.378	0.374	0.360	0.347	0.346	0.354	0.368	0.361	3.50
92) TP	trans-1,4-Dich		0.139	0.141	0.142	0.139	0.128	0.131	0.133	0.136	4.02
93) TP	4-Chlorotoluene		1.790	2.061	1.933	1.906	1.911	1.972	1.942	1.931	4.21
94) TP	tert-Butylbenzene		1.743	2.114	2.107	2.116	2.103	2.161	2.113	2.065	6.95
97) TP	1,2,4-Trimethy		2.017	2.346	2.315	2.313	2.294	2.333	2.251	2.267	5.04
98) TP	sec-Butylbenzene		2.468	3.065	3.029	2.993	2.983	3.017	2.862	2.917	7.12
99) TP	p-Isopropyltol		2.118	2.628	2.662	2.648	2.614	2.647	2.517	2.548	7.67
100) TP	1,3-Dichlorobe		1.132	1.283	1.333	1.341	1.333	1.338	1.311	1.296	5.80
101) TP	1,4-Dichlorobe		1.230	1.321	1.341	1.336	1.319	1.328	1.295	1.310	2.91
102) TP	p-Diethylbenzene		1.186	1.511	1.523	1.539	1.544	1.562	1.556	1.489	9.03
103) TP	n-Butylbenzene		1.790	2.094	2.108	2.115	2.126	2.161	2.092	2.069	6.07
104) TP	1,2-Dichlorobe		1.065	1.155	1.189	1.195	1.180	1.181	1.150	1.160	3.86
105) TP	1,2,4,5-Tetram		1.762	2.088	2.155	2.194	2.184	2.176	2.084	2.092	7.28
106) TP	1,2-Dibromo-3-		0.052	0.066	0.071	0.076	0.076	0.075	0.073	0.070	12.47
107) TP	1,3,5-Trichlor		0.667	0.820	0.850	0.884	0.869	0.865	0.835	0.827	8.94
108) TP	Hexachlorobuta		0.220	0.292	0.305	0.319	0.329	0.334	0.328	0.304	13.16
109) TP	1,2,4-Trichlor		0.563	0.624	0.667	0.698	0.694	0.700	0.665	0.659	7.55
110) TP	Naphthalene		1.181	1.253	1.241	1.278	1.266	1.261	1.201	1.240	2.89
111) TP	1,2,3-Trichlor		0.462	0.511	0.526	0.554	0.545	0.544	0.520	0.523	5.89

Initial Calibration Summary
Form 6
Volatiles

Client	**: JMT, Inc.**	**Lab Number**	**: L2267485**
Project Name	**: DESTINY SITE 7**	**Project Number**	**: 18-00996N-001**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL19477**
Calibration dates	**: 11/10/22 17:38 11/10/22 20:39**		

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.154	0.209	0.189	0.192	0.187	0.189	0.192	0.187	8.80
3)	TP	Chloromethane		0.214	0.223	0.209	0.212	0.203	0.203	0.204	0.210	3.45
4)	TC	Vinyl chloride	0.149	0.223	0.258	0.236	0.242	0.232	0.233	0.234	0.226	14.39
5)	TP	Bromomethane		0.219	0.205	0.201	0.210	0.220	0.234	0.248	0.220	7.62
6)	TP	Chloroethane		0.260	0.260	0.232	0.239	0.212	0.206	0.209	0.231	9.96
7)	TP	Trichlorofluor		0.477	0.538	0.505	0.521	0.496	0.490	0.504	0.504	3.98
8)	TP	Ethyl ether		0.183	0.179	0.161	0.162	0.154	0.154	0.153	0.164	7.53
10)	TC	1,1-Dichloroet		0.307	0.322	0.293	0.299	0.285	0.288	0.291	0.298	4.33
11)	TP	Carbon disulfide		0.507	0.560	0.507	0.523	0.505	0.504	0.514	0.517	3.86
12)	TP	Freon-113		0.277	0.337	0.305	0.316	0.301	0.301	0.307	0.306	5.85
13)	TP	Iodomethane		0.298	0.344	0.364	0.394	0.398	0.389	0.384	0.367	9.77
14)	TP	Acrolein		0.051	0.038	0.035	0.035	0.035	0.036	0.037	0.038	14.65
15)	TP	Methylene chlo		0.307	0.266	0.245	0.244	0.237	0.237	0.239	0.253	10.07
17)	TP	Acetone			0.081	0.069	0.068	0.067	0.066	0.067	0.070	8.15
18)	TP	trans-1,2-Dich		0.231	0.249	0.238	0.247	0.240	0.240	0.246	0.242	2.57
19)	TP	Methyl acetate		0.239	0.172	0.163	0.162	0.159	0.161	0.162	0.174	16.55
20)	TP	Methyl tert butyl ether		0.639	0.659	0.634	0.655	0.642	0.644	0.657	0.647	1.52
21)	TP	tert-Butyl alc		0.030	0.030	0.028	0.029	0.029	0.030	0.031	0.030	3.57
22)	TP	Diisopropyl ether		0.670	0.678	0.654	0.684	0.670	0.678	0.688	0.675	1.69
23)	TP	1,1-Dichloroet		0.366	0.410	0.392	0.395	0.385	0.387	0.396	0.390	3.39
24)	TP	Halothane		0.175	0.211	0.195	0.201	0.197	0.200	0.205	0.198	5.73
25)	TP	Acrylonitrile		0.081	0.083	0.075	0.076	0.074	0.075	0.077	0.077	4.20
26)	TP	Ethyl tert-but		0.657	0.690	0.687	0.718	0.713	0.729	0.747	0.706	4.27
27)	TP	Vinyl acetate		0.431	0.476	0.449	0.483	0.442	0.483	0.496	0.466	5.29
28)	TP	cis-1,2-Dichlo		0.257	0.294	0.277	0.280	0.279	0.282	0.285	0.279	4.03
29)	TP	2,2-Dichloropr		0.358	0.383	0.346	0.366	0.358	0.363	0.365	0.363	3.09
30)	TP	Bromochloromet		0.159	0.155	0.156	0.156	0.151	0.152	0.152	0.154	2.00
31)	TP	Cyclohexane		0.337	0.346	0.323	0.336	0.328	0.333	0.345	0.335	2.54
32)	TC	Chloroform		0.440	0.458	0.435	0.448	0.445	0.445	0.447	0.445	1.56
33)	TP	Ethyl acetate		0.222	0.251	0.234	0.240	0.238	0.237	0.238	0.237	3.63
34)	TP	Carbon tetrachloride	0.305	0.303	0.363	0.347	0.370	0.370	0.378	0.387	0.353	9.13
35)	TP	Tetrahydrofuran		0.100	0.090	0.073	0.070	0.071	0.069	0.069	0.077	16.13
36)	S	Dibromofluoromethane	0.294	0.297	0.296	0.294	0.294	0.294	0.293	0.286	0.293	1.14
37)	TP	1,1,1-Trichlor		0.362	0.410	0.382	0.398	0.392	0.394	0.395	0.390	3.88
39)	TP	2-Butanone			0.132	0.109	0.112	0.113	0.114	0.114	0.116	7.12

Initial Calibration Summary
Form 6
Volatiles

Client	**: JMT, Inc.**	**Lab Number**	**: L2267485**
Project Name	**: DESTINY SITE 7**	**Project Number**	**: 18-00996N-001**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL19477**
Calibration dates	**: 11/10/22 17:38 11/10/22 20:39**		

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.297	0.316	0.304	0.315	0.309	0.315	0.318	0.311	2.40
41)	TP	Benzene	0.879	0.867	0.956	0.918	0.946	0.955	0.962	0.969	0.931	4.21
42)	TP	Tertiary-Amyl Methyl Ether		0.715	0.710	0.696	0.749	0.760	0.774	0.785	0.741	4.63
43)	S	1,2-Dichloroethane-d4	0.316	0.323	0.313	0.311	0.305	0.299	0.302	0.301	0.309	2.74
44)	TP	1,2-Dichloroet		0.366	0.351	0.334	0.349	0.342	0.345	0.347	0.348	2.82
47)	TP	Methyl cyclohe		0.343	0.393	0.372	0.395	0.398	0.405	0.416	0.389	6.18
48)	TP	Trichloroethene	0.255	0.234	0.285	0.272	0.277	0.281	0.281	0.282	0.271	6.46
50)	TP	Dibromomethane		0.170	0.186	0.183	0.188	0.188	0.190	0.190	0.185	3.82
51)	TC	1,2-Dichloropr		0.231	0.243	0.226	0.238	0.237	0.236	0.236	0.235	2.29
53)	TP	2-Chloroethyl		0.128	0.149	0.153	0.164	0.167	0.170	0.173	0.158	9.92
54)	TP	Bromodichlorom		0.322	0.349	0.339	0.357	0.364	0.365	0.367	0.352	4.75
57)	TP	1,4-Dioxane		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	3.99
58)	TP	cis-1,3-Dichlo		0.390	0.397	0.394	0.422	0.426	0.432	0.439	0.414	4.85
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.238	1.256	1.240	1.214	1.200	1.177	1.175	1.173	1.209	2.72
61)	TC	Toluene		0.703	0.798	0.747	0.776	0.782	0.771	0.799	0.768	4.35
62)	TP	4-Methyl-2-pen		0.106	0.104	0.110	0.115	0.116	0.114	0.116	0.111	4.42
63)	TP	Tetrachloroethene		0.345	0.376	0.359	0.376	0.368	0.367	0.375	0.367	3.12
65)	TP	trans-1,3-Dich		0.439	0.470	0.466	0.491	0.495	0.486	0.496	0.478	4.36
67)	TP	Ethyl methacry		0.368	0.360	0.366	0.388	0.391	0.392	0.400	0.381	4.09
68)	TP	1,1,2-Trichlor		0.248	0.247	0.241	0.247	0.242	0.237	0.238	0.243	1.85
69)	TP	Chlorodibromom		0.340	0.375	0.359	0.379	0.394	0.393	0.402	0.377	5.81
70)	TP	1,3-Dichloropr		0.502	0.507	0.493	0.500	0.488	0.478	0.479	0.492	2.29
71)	TP	1,2-Dibromoethane		0.324	0.326	0.322	0.331	0.333	0.327	0.329	0.327	1.20
72)	TP	2-Hexanone		0.251	0.227	0.208	0.215	0.214	0.207	0.209	0.219	7.27
73)	TP	Chlorobenzene		0.939	0.941	0.908	0.941	0.956	0.953	0.987	0.946	2.49
74)	TC	Ethylbenzene		1.364	1.505	1.418	1.477	1.504	1.505	1.540	1.473	4.15
75)	TP	1,1,1,2-Tetrac		0.331	0.341	0.340	0.367	0.377	0.375	0.390	0.360	6.26
76)	TP	p/m Xylene		0.543	0.605	0.578	0.610	0.634	0.633	0.679	0.612	7.10
77)	TP	o Xylene		0.510	0.572	0.546	0.585	0.601	0.612	0.656	0.583	8.06
78)	TP	Styrene		0.827	0.911	0.917	1.015	1.089	1.097	1.009	0.981	10.18
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.367	0.414	0.428	0.487	0.576	0.601		0.479	19.52
82)	TP	Isopropylbenzene		2.559	2.860	2.621	2.693	2.819	2.768	2.729	2.721	3.93
83)	S	4-Bromofluorobenzene	0.787	0.807	0.788	0.750	0.755	0.743	0.733	0.708	0.759	4.31
84)	TP	Bromobenzene		0.826	0.803	0.750	0.763	0.777	0.771	0.789	0.783	3.29

Initial Calibration Summary
Form 6
Volatiles

Client	**: JMT, Inc.**	**Lab Number**	**: L2267485**
Project Name	**: DESTINY SITE 7**	**Project Number**	**: 18-00996N-001**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL19477**
Calibration dates	**: 11/10/22 17:38 11/10/22 20:39**		

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85)	TP	n-Propylbenzene		2.967	3.332	3.013	3.137	3.222	3.186	3.089	3.135	4.00
86)	TP	1,4-Dichlorobu		0.814	0.801	0.710	0.741	0.764	0.757	0.781	0.767	4.62
87)	TP	1,1,2,2-Tetrac		0.713	0.695	0.692	0.709	0.712	0.706	0.703	0.704	1.17
88)	TP	4-Ethyltoluene		2.426	2.828	2.553	2.668	2.747	2.661	2.682	2.652	4.92
89)	TP	2-Chlorotoluene		2.063	2.256	2.042	2.104	2.149	2.088	2.136	2.120	3.34
90)	TP	1,3,5-Trimethy		2.149	2.331	2.180	2.317	2.379	2.323	2.386	2.295	4.07
91)	TP	1,2,3-Trichlor		0.662	0.631	0.563	0.589	0.594	0.578	0.593	0.601	5.59
92)	TP	trans-1,4-Dich		0.195	0.192	0.177	0.182	0.187	0.183	0.186	0.186	3.17
93)	TP	4-Chlorotoluene		1.892	2.045	1.826	1.881	1.905	1.861	1.873	1.898	3.68
94)	TP	tert-Butylbenzene		2.004	2.179	1.971	2.060	2.086	2.063	2.129	2.070	3.41
97)	TP	1,2,4-Trimethy		2.016	2.298	2.155	2.297	2.414	2.365	2.388	2.276	6.29
98)	TP	sec-Butylbenzene		2.634	3.151	2.803	2.993	3.068	2.982	2.954	2.941	5.87
99)	TP	p-Isopropyltol		2.301	2.720	2.506	2.706	2.816	2.754	2.806	2.659	7.08
100)	TP	1,3-Dichlorobe		1.465	1.555	1.419	1.487	1.554	1.524	1.584	1.513	3.86
101)	TP	1,4-Dichlorobe		1.523	1.607	1.458	1.502	1.542	1.509	1.580	1.532	3.27
102)	TP	p-Diethylbenzene		1.337	1.588	1.475	1.562	1.663	1.662	1.787	1.582	9.18
103)	TP	n-Butylbenzene		1.972	2.283	2.080	2.219	2.319	2.274	2.334	2.212	6.13
104)	TP	1,2-Dichlorobe		1.546	1.527	1.409	1.455	1.487	1.459	1.530	1.488	3.33
105)	TP	1,2,4,5-Tetram		2.086	2.343	2.231	2.467	2.631	2.710	2.822	2.470	10.81
106)	TP	1,2-Dibromo-3-		0.118	0.141	0.141	0.149	0.155	0.158	0.167	0.147	10.78
107)	TP	1,3,5-Trichlor		1.043	1.117	1.010	1.094	1.109	1.149	1.234	1.108	6.58
108)	TP	Hexachlorobuta		0.421	0.503	0.439	0.463	0.462	0.467	0.503	0.465	6.50
109)	TP	1,2,4-Trichlor		1.005	1.122	0.990	1.037	1.020	1.047	1.125	1.050	5.15
110)	TP	Naphthalene		2.833	2.907	2.641	2.785	2.777	2.786	2.808	2.791	2.87
111)	TP	1,2,3-Trichlor		1.054	1.142	0.975	1.022	1.031	1.045	1.113	1.054	5.36

Calibration Verification Summary
Form 7
Volatiles

Client	: JMT, Inc.		Lab Number	: L2267485	
Project Name	: DESTINY SITE 7		Project Number	: 18-00996N-001	
Instrument ID	: VOA108		Calibration Date	: 12/08/22 16:25	
Lab File ID	: V08221208N01		Init. Calib. Date(s)	: 11/10/22	11/10/22
Sample No	: WG1721256-2		Init. Calib. Times	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	82	0
Dichlorodifluoromethane	0.187	0.162	-	13.4	20	70	0
Chloromethane	0.21	0.254	-	-21*	20	99	0
Vinyl chloride	0.226	0.266	-	-17.7	20	92	0
Bromomethane	0.22	0.182	-	17.3	20	74	0
Chloroethane	0.231	0.22	-	4.8	20	77	0
Trichlorofluoromethane	0.504	0.419	-	16.9	20	68	0
Ethyl ether	0.164	0.137	-	16.5	20	69	0
1,1-Dichloroethene	0.298	0.261	-	12.4	20	73	0
Carbon disulfide	0.517	0.476	-	7.9	20	77	0
Freon-113	0.306	0.27	-	11.8	20	72	0
Iodomethane	0.367	0.163	-	55.6*	20	37	0
Acrolein	0.038	0.06	-	-57.9*	20	140	0
Methylene chloride	0.253	0.272	-	-7.5	20	91	0
Acetone	0.07	0.1	-	-42.9*	20	119	0
trans-1,2-Dichloroethene	0.242	0.256	-	-5.8	20	88	0
Methyl acetate	0.174	0.212	-	-21.8*	20	106	0
Methyl tert-butyl ether	0.647	0.582	-	10	20	75	0
tert-Butyl alcohol	0.03	0.03	-	0	20	88	0
Diisopropyl ether	0.675	0.761	-	-12.7	20	95	0
1,1-Dichloroethane	0.39	0.459	-	-17.7	20	96	0
Halothane	0.198	0.203	-	-2.5	20	85	-.01
Acrylonitrile	0.077	0.095	-	-23.4*	20	103	0
Ethyl tert-butyl ether	0.706	0.706	-	0	20	84	0
Vinyl acetate	0.466	0.526	-	-12.9	20	96	-.01
cis-1,2-Dichloroethene	0.279	0.289	-	-3.6	20	85	0
2,2-Dichloropropane	0.363	0.349	-	3.9	20	82	-.01
Bromochloromethane	0.154	0.157	-	-1.9	20	82	0
Cyclohexane	0.335	0.385	-	-14.9	20	97	-.01
Chloroform	0.445	0.464	-	-4.3	20	87	0
Ethyl acetate	0.237	0.268	-	-13.1	20	93	0
Carbon tetrachloride	0.353	0.344	-	2.5	20	81	0
Tetrahydrofuran	0.077	0.08	-	-3.9	20	90	0
Dibromofluoromethane	0.293	0.299	-	-2	20	83	0
1,1,1-Trichloroethane	0.39	0.38	-	2.6	20	81	0
2-Butanone	0.116	0.136	-	-17.2	20	102	-.01
1,1-Dichloropropene	0.311	0.307	-	1.3	20	82	0
Benzene	0.931	0.982	-	-5.5	20	87	0
tert-Amyl methyl ether	0.741	0.576	-	22.3*	20	68	0
1,2-Dichloroethane-d4	0.309	0.325	-	-5.2	20	85	0
1,2-Dichloroethane	0.348	0.368	-	-5.7	20	90	0
Methyl cyclohexane	0.389	0.357	-	8.2	20	78	0
Trichloroethene	0.271	0.274	-	-1.1	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: JMT, Inc.		Lab Number	: L2267485	
Project Name	: DESTINY SITE 7		Project Number	: 18-00996N-001	
Instrument ID	: VOA108		Calibration Date	: 12/08/22 16:25	
Lab File ID	: V08221208N01		Init. Calib. Date(s)	: 11/10/22	11/10/22
Sample No	: WG1721256-2		Init. Calib. Times	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.185	0.174	-	5.9	20	78	0
1,2-Dichloropropane	0.235	0.262	-	-11.5	20	95	0
2-Chloroethyl vinyl ether	0.158	0.127	-	19.6	20	68	0
Bromodichloromethane	0.352	0.343	-	2.6	20	83	0
1,4-Dioxane	0.00274	0.00305*	-	-11.3	20	92	0
cis-1,3-Dichloropropene	0.414	0.376	-	9.2	20	78	0
Chlorobenzene-d5	1	1	-	0	20	78	0
Toluene-d8	1.209	1.256	-	-3.9	20	80	0
Toluene	0.768	0.784	-	-2.1	20	81	0
4-Methyl-2-pentanone	0.111	0.111	-	0	20	78	-.01
Tetrachloroethene	0.367	0.362	-	1.4	20	78	0
trans-1,3-Dichloropropene	0.478	0.45	-	5.9	20	75	0
Ethyl methacrylate	0.381	0.321	-	15.7	20	68	0
1,1,2-Trichloroethane	0.243	0.255	-	-4.9	20	82	0
Chlorodibromomethane	0.377	0.353	-	6.4	20	76	0
1,3-Dichloropropane	0.492	0.517	-	-5.1	20	81	0
1,2-Dibromoethane	0.327	0.321	-	1.8	20	77	0
2-Hexanone	0.219	0.227	-	-3.7	20	84	0
Chlorobenzene	0.946	0.949	-	-0.3	20	81	0
Ethylbenzene	1.473	1.457	-	1.1	20	80	0
1,1,1,2-Tetrachloroethane	0.36	0.342	-	5	20	78	0
p/m Xylene	0.612	0.596	-	2.6	20	80	0
o Xylene	0.583	0.559	-	4.1	20	79	0
Styrene	0.981	0.934	-	4.8	20	79	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
Bromoform	0.479	0.413	-	13.8	20	73	0
Isopropylbenzene	2.721	2.698	-	0.8	20	77	0
4-Bromofluorobenzene	0.759	0.79	-	-4.1	20	79	0
Bromobenzene	0.783	0.768	-	1.9	20	77	0
n-Propylbenzene	3.135	3.273	-	-4.4	20	82	0
1,4-Dichlorobutane	0.767	0.873	-	-13.8	20	92	0
1,1,2,2-Tetrachloroethane	0.704	0.739	-	-5	20	80	0
4-Ethyltoluene	2.652	2.75	-	-3.7	20	81	0
2-Chlorotoluene	2.12	2.293	-	-8.2	20	85	0
1,3,5-Trimethylbenzene	2.295	2.331	-	-1.6	20	80	0
1,2,3-Trichloropropane	0.601	0.597	-	0.7	20	80	0
trans-1,4-Dichloro-2-buten	0.186	0.205	-	-10.2	20	87	0
4-Chlorotoluene	1.898	2.039	-	-7.4	20	84	0
tert-Butylbenzene	2.07	2.039	-	1.5	20	78	0
1,2,4-Trimethylbenzene	2.276	2.332	-	-2.5	20	81	0
sec-Butylbenzene	2.941	2.977	-	-1.2	20	80	0
p-Isopropyltoluene	2.659	2.628	-	1.2	20	79	0
1,3-Dichlorobenzene	1.513	1.537	-	-1.6	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: JMT, Inc.		**Lab Number**	: L2267485	
Project Name	: DESTINY SITE 7		**Project Number**	: 18-00996N-001	
Instrument ID	: VOA108		**Calibration Date**	: 12/08/22 16:25	
Lab File ID	: V08221208N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1721256-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.532	1.547	-	-1	20	80	0
p-Diethylbenzene	1.582	1.545	-	2.3	20	79	0
n-Butylbenzene	2.212	2.318	-	-4.8	20	84	0
1,2-Dichlorobenzene	1.488	1.462	-	1.7	20	78	0
1,2,4,5-Tetramethylbenzene	2.47	2.358	-	4.5	20	80	0
1,2-Dibromo-3-chloropropan	0.147	0.13	-	11.6	20	69	0
1,3,5-Trichlorobenzene	1.108	1.138	-	-2.7	20	85	0
Hexachlorobutadiene	0.465	0.47	-	-1.1	20	81	0
1,2,4-Trichlorobenzene	1.05	1.045	-	0.5	20	79	0
Naphthalene	2.791	2.608	-	6.6	20	74	0
1,2,3-Trichlorobenzene	1.054	1.014	-	3.8	20	78	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: JMT, Inc.		Lab Number	: L2267485	
Project Name	: DESTINY SITE 7		Project Number	: 18-00996N-001	
Instrument ID	: VOA105		Calibration Date	: 12/09/22 07:29	
Lab File ID	: V05221209A01		Init. Calib. Date(s)	: 11/07/22	11/07/22
Sample No	: WG1722041-2		Init. Calib. Times	: 17:43	21:13
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	95	0
Dichlorodifluoromethane	0.239	0.173	-	27.6*	20	64	0
Chloromethane	0.292	0.239	-	18.2	20	74	0
Vinyl chloride	0.32	0.253	-	20.9*	20	70	0
Bromomethane	0.204	0.118	-	42.2*	20	56	0
Chloroethane	0.224	0.181	-	19.2	20	72	0
Trichlorofluoromethane	0.472	0.347	-	26.5*	20	64	0
Ethyl ether	0.108	0.081	-	25*	20	68	0
1,1-Dichloroethene	0.223	0.219	-	1.8	20	94	0
Carbon disulfide	0.412	0.402	-	2.4	20	93	0
Freon-113	0.246	0.239	-	2.8	20	89	0
Acrolein	0.03	0.024	-	20	20	80	0
Methylene chloride	0.24	0.235	-	2.1	20	94	0
Acetone	0.034	0.028	-	17.6	20	82	0
trans-1,2-Dichloroethene	0.251	0.245	-	2.4	20	93	0
Methyl acetate	0.084	0.075	-	10.7	20	86	0
Methyl tert-butyl ether	0.455	0.402	-	11.6	20	84	0
tert-Butyl alcohol	0.011	0.01	-	9.1	20	85	0
Diisopropyl ether	0.726	0.698	-	3.9	20	89	0
1,1-Dichloroethane	0.495	0.445	-	10.1	20	83	0
Halothane	0.198	0.189	-	4.5	20	89	0
Acrylonitrile	0.049	0.042	-	14.3	20	82	0
Ethyl tert-butyl ether	0.719	0.606	-	15.7	20	78	0
Vinyl acetate	0.357	0.367	-	-2.8	20	99	0
cis-1,2-Dichloroethene	0.281	0.268	-	4.6	20	90	0
2,2-Dichloropropane	0.406	0.379	-	6.7	20	85	0
Bromochloromethane	0.124	0.121	-	2.4	20	89	0
Cyclohexane	0.525	0.472	-	10.1	20	81	0
Chloroform	0.441	0.423	-	4.1	20	89	0
Ethyl acetate	0.134	0.117	-	12.7	20	84	0
Carbon tetrachloride	0.395	0.345	-	12.7	20	80	0
Tetrahydrofuran	10	8.44	-	15.6	20	84	-.01
Dibromofluoromethane	0.279	0.274	-	1.8	20	95	0
1,1,1-Trichloroethane	0.415	0.386	-	7	20	86	0
2-Butanone	0.053	0.048	-	9.4	20	86	0
1,1-Dichloropropene	0.341	0.31	-	9.1	20	84	0
Benzene	0.948	0.894	-	5.7	20	86	0
tert-Amyl methyl ether	0.561	0.46	-	18	20	78	0
1,2-Dichloroethane-d4	0.309	0.301	-	2.6	20	88	0
1,2-Dichloroethane	0.333	0.291	-	12.6	20	80	0
Methyl cyclohexane	0.468	0.436	-	6.8	20	86	0
Trichloroethene	0.292	0.251	-	14	20	85	0
Dibromomethane	0.14	0.12	-	14.3	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: JMT, Inc.		Lab Number	: L2267485	
Project Name	: DESTINY SITE 7		Project Number	: 18-00996N-001	
Instrument ID	: VOA105		Calibration Date	: 12/09/22 07:29	
Lab File ID	: V05221209A01		Init. Calib. Date(s)	: 11/07/22	11/07/22
Sample No	: WG1722041-2		Init. Calib. Times	: 17:43	21:13
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.273	0.233	-	14.7	20	78	0
Bromodichloromethane	0.338	0.299*	-	11.5	20	83	0
1,4-Dioxane	0.00112	0.00128*	-	-14.3	20	106	0
cis-1,3-Dichloropropene	0.395	0.342	-	13.4	20	81	0
Chlorobenzene-d5	1	1	-	0	20	92	0
Toluene-d8	1.22	1.279	-	-4.8	20	96	0
Toluene	0.765	0.737	-	3.7	20	85	0
4-Methyl-2-pentanone	0.07	0.053	-	24.3*	20	70	0
Tetrachloroethene	0.372	0.372	-	0	20	90	0
trans-1,3-Dichloropropene	0.408	0.371	-	9.1	20	81	0
Ethyl methacrylate	0.265	0.226	-	14.7	20	77	0
1,1,2-Trichloroethane	0.187	0.174*	-	7	20	83	0
Chlorodibromomethane	0.302	0.269	-	10.9	20	81	0
1,3-Dichloropropane	0.381	0.353	-	7.3	20	81	0
1,2-Dibromoethane	0.144	0.139*	-	3.5	20	85	0
2-Hexanone	0.101	0.091	-	9.9	20	79	0
Chlorobenzene	0.873	0.86	-	1.5	20	86	0
Ethylbenzene	1.524	1.444	-	5.2	20	83	0
1,1,1,2-Tetrachloroethane	0.316	0.297	-	6	20	83	0
p/m Xylene	0.608	0.576	-	5.3	20	83	0
o Xylene	0.566	0.536	-	5.3	20	83	0
Styrene	0.898	0.851	-	5.2	20	82	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	90	0
Bromoform	0.329	0.276	-	16.1	20	77	0
Isopropylbenzene	2.793	2.619	-	6.2	20	82	0
4-Bromofluorobenzene	0.833	0.866	-	-4	20	95	0
Bromobenzene	0.679	0.648	-	4.6	20	85	0
n-Propylbenzene	3.213	3.116	-	3	20	84	0
1,4-Dichlorobutane	0.657	0.601	-	8.5	20	82	0
1,1,2,2-Tetrachloroethane	0.44	0.396	-	10	20	82	0
4-Ethyltoluene	2.675	2.588	-	3.3	20	84	0
2-Chlorotoluene	1.836	1.805	-	1.7	20	89	0
1,3,5-Trimethylbenzene	2.332	2.238	-	4	20	84	0
1,2,3-Trichloropropane	0.361	0.322	-	10.8	20	80	0
trans-1,4-Dichloro-2-buten	0.136	0.123	-	9.6	20	77	0
4-Chlorotoluene	1.931	1.827	-	5.4	20	85	0
tert-Butylbenzene	2.065	2.023	-	2	20	86	0
1,2,4-Trimethylbenzene	2.267	2.162	-	4.6	20	84	0
sec-Butylbenzene	2.917	2.793	-	4.3	20	83	0
p-Isopropyltoluene	2.548	2.53	-	0.7	20	85	0
1,3-Dichlorobenzene	1.296	1.253	-	3.3	20	84	0
1,4-Dichlorobenzene	1.31	1.249	-	4.7	20	84	0
p-Diethylbenzene	1.489	1.434	-	3.7	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: JMT, Inc.		Lab Number	: L2267485	
Project Name	: DESTINY SITE 7		Project Number	: 18-00996N-001	
Instrument ID	: VOA105		Calibration Date	: 12/09/22 07:29	
Lab File ID	: V05221209A01		Init. Calib. Date(s)	: 11/07/22	11/07/22
Sample No	: WG1722041-2		Init. Calib. Times	: 17:43	21:13
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.069	2.001	-	3.3	20	85	0
1,2-Dichlorobenzene	1.16	1.094	-	5.7	20	83	0
1,2,4,5-Tetramethylbenzene	2.092	1.933	-	7.6	20	80	0
1,2-Dibromo-3-chloropropan	0.07	0.055	-	21.4*	20	70	0
1,3,5-Trichlorobenzene	0.827	0.812	-	1.8	20	86	0
Hexachlorobutadiene	0.304	0.323	-	-6.3	20	95	0
1,2,4-Trichlorobenzene	0.659	0.597	-	9.4	20	80	0
Naphthalene	1.24	0.98	-	21*	20	71	0
1,2,3-Trichlorobenzene	0.523	0.432	-	17.4	20	74	0

* Value outside of QC limits.

Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2267485

S1= SP-MW-43R **S2=** DUP1

Analyte	S1	S2	RPD (%)	
Benzene	22	30	31%	*
Toluene	17	23	30%	*
Ethylbenzene	150	160	6%	
p/m-Xylene	180	210	15%	
o-Xylene	6.3	9.5	41%	*
Acetone	24	26	8%	
Carbon disulfide	ND	**1.1**	NC	
n-Butylbenzene	ND	**1.7**	NC	
sec-Butylbenzene	ND	**2.4**	NC	
tert-Butylbenzene	**1.0**	**1.7**	NC	
Isopropylbenzene	10	18	57%	*
p-Isopropyltoluene	**0.71**	**1.9**	NC	
Naphthalene	12	15	22%	*
n-Propylbenzene	11	24	74%	*
1,3,5-Trimethylbenzene	6.3	6.3	0%	
Cyclohexane	95	120	23%	*
Methyl cyclohexane	32	88	93%	*

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.