EA Engineering, P.C. and Its Affiliate
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1 February 2022

Mr. Payson Long
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Eastern Remedial Action
625 Broadway
Albany, New York 12233

RE: National Heatset Printing Site
Operation & Maintenance and Monitoring Report (October–December 2021)
Soil Vapor Extraction System, In-Well Stripping Systems, and Groundwater Monitoring
1 Adams Boulevard, Town of Babylon, New York
New York State Department of Environmental Conservation Site No. 152140
EA Project No. 1602518

Dear Mr. Long:

This letter report provides an overview of the ongoing operation of the site remediation systems (i.e., soil vapor extraction [SVE] system, onsite density-driven convection [DDC] systems, and offsite DDC system), as well as groundwater monitoring activities at the National Heatset Printing Site in the Town of Babylon, New York (Figure 1). EA Engineering, P.C. and its affiliate EA Science and Technology (EA) initially assumed management of the onsite SVE system under New York State Department of Environmental Conservation (NYSDEC) Work Assignment No. D004441-29 in 2007. EA performed site management for the site from 2007 to February 2020 under multiple contracts; Environmental Assessments and Remediation [EAR] performed site management for the site from March to December 2020. EA is currently performing site management under NYSDEC Work Assignment No. D009806-18, which was approved on 18 November 2020. EA's assignment includes monthly/quarterly visits for the DDC systems and the SVE system, quarterly system air sampling, and quarterly groundwater sampling. The activities are being conducted under the NYSDEC State Superfund Standby Contract. Remedial system details are presented in the NYSDEC-approved Site Management Plan[1], which includes the Operation & Maintenance (O&M) Manual for each system.

The Site Visit and System Maintenance Log table shows dates during the reporting period (October–December 2021), that an O&M visit was performed.

[1] EA. 2022. *National Heatset Printing Co. State Superfund Site, Suffolk County, Town of Babylon, New York. Site Management Plan – Revision 1. Draft.* January.

Site Visit and System Maintenance Log

Date	System	Purpose	Personnel
10/19 – 10/21/2021	Onsite and offsite	Quarterly visit. Conducted O&M on SVE System. Restarted DDC System #2 and collected O&M readings. DDC System #1 and Offsite System OFF. Collected quarterly vapor samples from the SVE system. Collected quarterly groundwater samples.	EA
11/18/2021	Onsite and offsite	Monthly visit. Conducted O&M on SVE System. DDC System #1 and Offsite System OFF pending repairs. DDC System #2 shut down upon arrival and left OFF pending repairs.	EA
12/14/2021	Onsite and offsite	Monthly Visit. Conducted O&M on SVE System. DDC System #1, #2, and Offsite System OFF pending repairs.	EA

Quarterly groundwater monitoring activities were performed at the onsite and offsite wells by EA from 19 to 21 October 2021. Quarterly vapor samples were collected from the SVE System on 20 October 2021.

1. SYSTEM OPERATION

1.1 SOIL VAPOR EXTRACTION

The SVE system was operational for a total of 1,985 hours out of an available 1,986 hours (100 percent of the total available) from October to December 2021. A summary of the operational time associated with the SVE system is presented in Table 1. The location of the SVE system and associated monitoring wells are presented in Figure 2.

1.2 ONSITE DENSITY DRIVEN CONVECTION

There are two separate DDC systems located at the downgradient edge of the site referred to as Onsite DDC System #1 and Onsite DDC System #2. Onsite DDC System #1 operates using DDC wells 1 and 2, and Onsite DDC System #2 operates using DDC wells 3 and 4. During this reporting period (October–December 2021), Onsite DDC System #1 was not operational, as discussed below. A summary of the operational time associated with the onsite DDC systems is presented in Table 1. The locations of the onsite DDC systems and associated monitoring wells are shown in Figure 3.

Onsite DDC System #1 has been shut down since 20 March 2018, due to a malfunction of the moisture separator. The moisture separator was replaced, the granular activated carbon tanks were serviced and underwent media changeout, and electrical/control panel issues were addressed; however, when EA attempted to restart the Onsite DDC System #1 during the May 2019 O&M visit, excessive vacuum was observed in the moisture separators and vacuum lines were observed to be under pressure. The system was quickly shut down for further troubleshooting. The condition was suspected to be caused by a highwater table or water accumulation at the

sump/system piping causing flow to "dead head". With subsequent Onsite DDC System #1 troubleshooting in 2019, it was determined that the variable frequency drive was malfunctioning. Between March and May 2020, EAR conducted troubleshooting activities on DDC System #1, including the blower, variable frequent drive, knockout tanks, and programmable logic control panel, and replaced the extraction well sump pump, but were unable to get the system running. EA performed troubleshooting of the DDC #1 System in July and September 2021. In July 2021, a cracked polyvinyl chloride elbow in Well DDC-2 was repaired, and EA investigated the flex pipe in DDC-2 for water, but none was found. The system continued to operate with vacuum lines under pressure. In September 2021, EA identified the high water table to be the main issue with operating the system with both wells. When the system was tested with only Well DDC-1, the knockout tank filled up immediately. When the system was tested with only Well DDC-2, the system was able to operate; however, the sump pump within the knockout tank is in need of replacement. DDC System #1 remains shut down.

During the 18 November 2021 site visit, DDC System #2 was shut down upon arrival due to a full moisture separator. The pump control switch was found to be broken, and the moisture separator was unable to be emptied. DDC System #2 remains shut down due to pump control issues. DDC System #2 ran for a total of 166 out of 1,987 hours (8 percent of the total available hours) during the fourth quarter of 2021.

1.3 OFFSITE DENSITY DRIVEN CONVECTION

The Offsite DDC system is located along the downgradient edge of the dissolved-phase groundwater plume and is currently equipped with two blowers (designated as B-501 and B-502). Blowers B-501 and B-502 are used interchangeably to operate all DDC wells (5, 6, 7, 8, 9, and 10). The Offsite DDC system was shut down during the September 2021 O&M visit due to touch screen issues with the programmable logic control panel and remains shut down. The Offsite DDC system was not operated during the October – December 2021 period.

A summary of the operational time associated with the Offsite DDC system is presented in Table 1. The locations of the Offsite DDC system and associated monitoring wells are shown in Figure 4. System data sheets can be found in Attachment A.

2. SYSTEM PERFORMANCE MONITORING

2.1 SOIL VAPOR EXTRACTION SYSTEM

Operational data for this period have been based on the system measurements and vapor sample data collected during the October – December 2021 monthly visits. EA operated the SVE system with three legs (1, 4, and 5) to target areas of high volatile organic compound (VOC) concentrations. The average SVE blower flow rate for this period when the system was running was 250 cubic feet/minute, at an average applied vacuum of 58 inches of water. Vapor points at 1 Adams Boulevard were monitored during the October, November, and December 2021 O&M visits. Vapor point monitoring data is included on the system data sheets, provided in Attachment

A. A complete set of operational data collected is presented in Table 2A.

2.2 ONSITE DDC SYSTEMS

System measurements were not collected from Onsite DDC System #1 as the system was shut down for the entire reporting period. System measurements were collected from DDC System #2 during the October – December 2021 operating period. Data was only collected during the October 2021 O&M visit, as the system was shut down November and December 2021. Operational data is summarized in Tables 2B and 2C.

2.3 OFFSITE DDC SYSTEM

System measurements were not collected from the Offsite DDC System as the system was shut down for the entire reporting period. The operation data for the Offsite DDC System is summarized in Table 2E.

3. GROUNDWATER MONITORING

Groundwater monitoring activities performed during the October 2021 quarterly event included well gauging and collection of groundwater samples for offsite laboratory analysis. Well gauging and groundwater sampling activities were performed in accordance with the Site Management Plan.[1] Groundwater samples were obtained from the onsite and offsite wells from 19 to 21 October 2021. Duplicate samples were obtained from wells MW-2S Offsite (sample number 152140-FD-01, collected on 20 October 2021) and MW-6S (sample number 152140-FD-02, collected on 20 October 2021). All groundwater samples were analyzed for VOCs using U.S. Environmental Protection Agency (EPA) Method 8260B.

4. RESULTS

4.1 SOIL VAPOR EXTRACTION SYSTEM

The SVE System air samples were collected on 20 October 2021 as part of the quarterly monitoring event. EA personnel collected grab air samples from the system influent and effluent using Summa® canisters and submitted the samples to Chemtech for analysis for VOCs via EPA Method TO-15. Based on the effluent sampling results, a negligible amount of tetrachloroethene (PCE), trichloroethene (TCE), and dichloroethene (DCE) has been discharged during the Year 2021 toward the permitted annual discharge limits of 270 pounds (lb), 120 lb, and 5,510 lb, respectively. A summary of the field monitoring results, laboratory air discharge analytical results, and estimated mass recovery are presented in Table 2A; the laboratory data reports are presented in Attachment B.

4.2 ONSITE DDC SYSTEMS

Onsite DDC System #1 was not sampled during the reporting period as the system had not been operating prior to the monitoring event. Onsite DDC System #2 was not sampled during the reporting period due to the system being off prior to the sampling event.

4.3 OFFSITE DDC SYSTEM

The Offsite DDC system was not sampled during the reporting period as the system had not been operating prior to the sampling event and remained off through the reporting period. Sample results for the Offsite DDC system are presented in Tables 2D and 2E.

4.4 GROUNDWATER MONITORING

4.4.1 Well Gauging

Based on gauging data obtained from the onsite and offsite monitoring wells (Table 3), the groundwater flow direction across the site is to the southeast in both the onsite offsite areas, as depicted in Figures 5 and 6, respectively. Figure 5 shows interpreted groundwater contours based on elevations collected from ten onsite monitoring well locations. Onsite shallow groundwater elevations ranged from 41.69 feet (ft) above mean sea level (AMSL) in MW-5S to 43.10 ft AMSL in MW-1S. Figure 6 shows interpreted groundwater contours based on elevations collected from two offsite monitoring well locations. Offsite shallow groundwater elevations ranged from 28.13 ft AMSL in MW-3S and DDC-6-PS to 29.37 ft AMSL in MW-1S. Gauging data are provided in Table 3, and shown on Figures 5 and 6, as well as the field data sheets (Attachment A).

4.4.2 Groundwater Laboratory Analytical Results

Onsite Monitoring Wells

A summary of the detected VOC concentrations for groundwater samples obtained from the onsite monitoring wells and DDC piezometers are presented in Table 4A and Figure 7 for the October 2021 quarterly sampling event. Laboratory analytical results are included in Attachment C. PCE, TCE, and/or *cis*-1,2-DCE were detected at concentrations greater than the corresponding ambient water quality standard (AWQS) in groundwater samples collected from three of the seven deep monitoring wells (MW-2AD, MW-2D, and MW-5D) and one of the two deep DDC piezometers (DDC-2-PD) sampled during this monitoring event. The samples collected from MW-14S, MW-15S, and DDC-4-PS were the only onsite shallow groundwater samples with VOC concentrations exceeding the corresponding AWQS.

Offsite Monitoring Wells

A summary of the detected VOC concentrations for groundwater samples obtained from the offsite monitoring wells and DDC piezometers are presented in Table 4B and Figure 8 for the

October 2021 quarterly sampling event. Laboratory analytical results are included in Attachment C. PCE, TCE, and/or *cis*-1,2-DCE were detected at concentrations greater than the corresponding AWQS in groundwater samples collected from two of the three deep monitoring well samples (MW-1D and MW-3D). PCE was detected at a concentration greater than the corresponding AWQS in one of the six deep DDC piezometers (DDC-5-PD). There were no exceedances of the AWQS for PCE, TCE, or *cis*-1,2-DCE in any of the shallow monitoring wells or shallow DDC piezometers.

5. CONCLUSIONS AND RECOMMENDATIONS

Based on the data collected from the remediation systems and site groundwater during this reporting period, EA recommends continued operation of the SVE system and re-evaluation of the groundwater table prior to restarting the Onsite DDC systems. EA is working to address the touch screen issues at the Offsite DDC system. A Corrective Measures Work Plan is currently being prepared by EA to address long-term system issues and recommendations.

Please do not hesitate to contact me at 315-565-6557 with any questions you might have regarding this report.

Sincerely,

EA SCIENCE AND TECHNOLOGY

Megan Miller, EIT
Project Manager

Figures

1	Site Location Map
2	Onsite Treatment System Location SVE System
3	Onsite Treatment System Location DDC #1 and DDC #2
4	Offsite System Location
5	Onsite Groundwater Flow Direction (October 2021)
6	Offsite Groundwater Flow Direction (October 2021)
7	Onsite Groundwater Quality (October 2021)

8 Offsite Groundwater Quality (October 2021)

Tables

1 Treatment System Runtime

2A Summary of Estimated Recovery Rate via Soil Vapor Extraction System

2B Summary of Estimated Recovery Rate via Onsite DDC System #1

2C Summary of Estimated Recovery Rate via Onsite DDC System #2

2D Summary of Estimated Recovery Rate via Offsite DDC System (Blower B501)

2E Summary of Estimated Recovery Rate via Offsite DDC System (Blower B502)

3 Well Gauging Data – October 2021

4A Summary of Detected Volatile Organic Compounds in Onsite Groundwater Samples Quarterly Sampling Event (October 2021)

4B Summary of Detected Volatile Organic Compounds in Offsite Groundwater Samples Quarterly Sampling Event (October 2021)

Attachments

A System Data Sheets

B Laboratory Analytical Data – System Vapor Samples

C Laboratory Analytical Data – Groundwater Samples

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Figures

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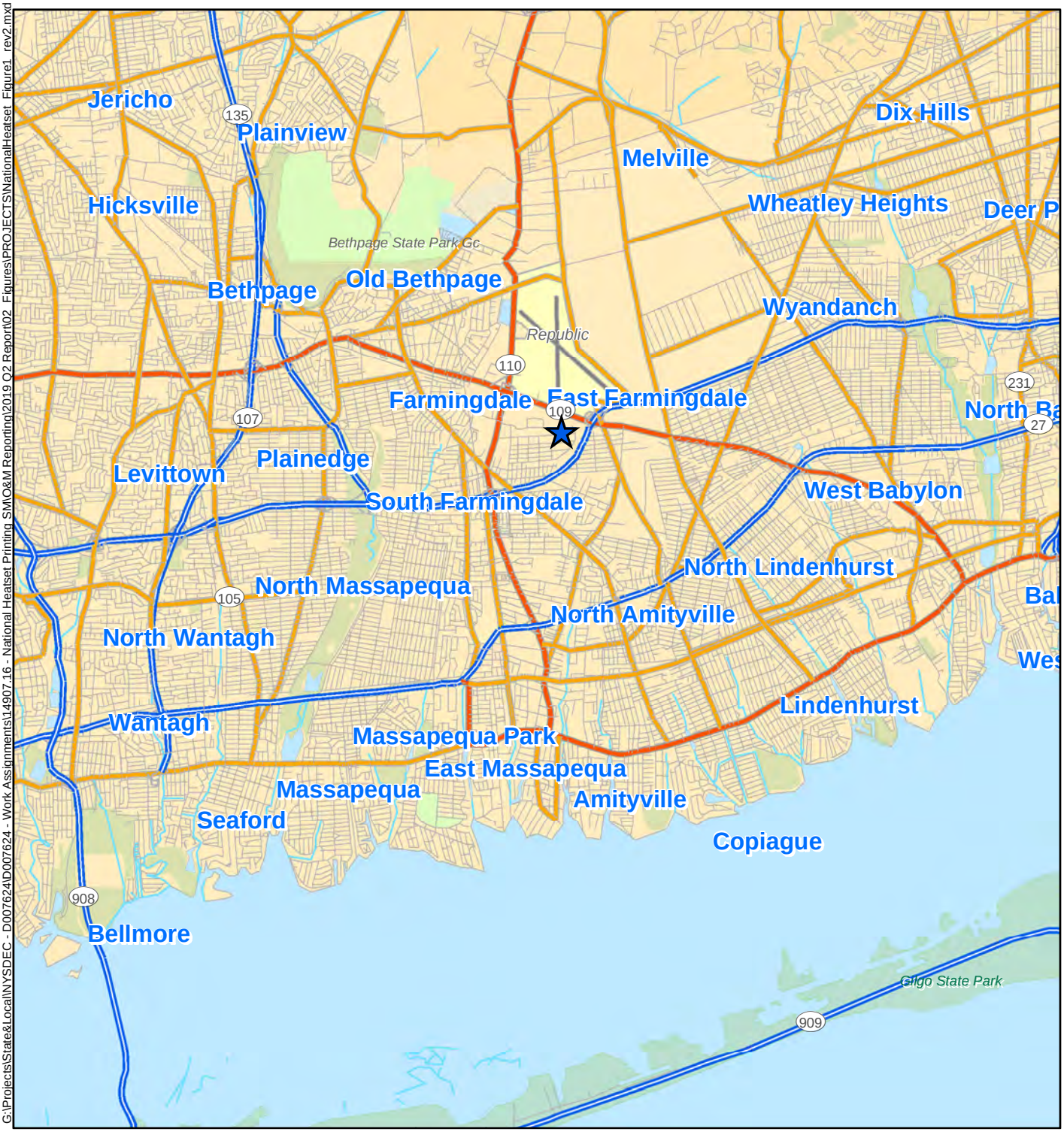

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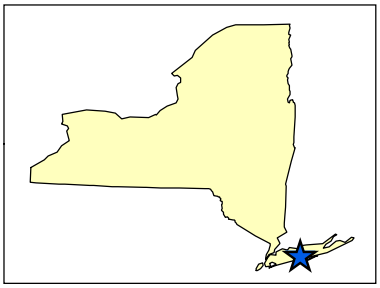

0 0.5 1 2
Miles

1 inch = 1.5 miles

N

Legend

★ Site Location

Figure 1
SITE LOCATION MAP
NATIONAL HEATSET SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

Map Date: 1/27/2020
Source: ESRI, 2011

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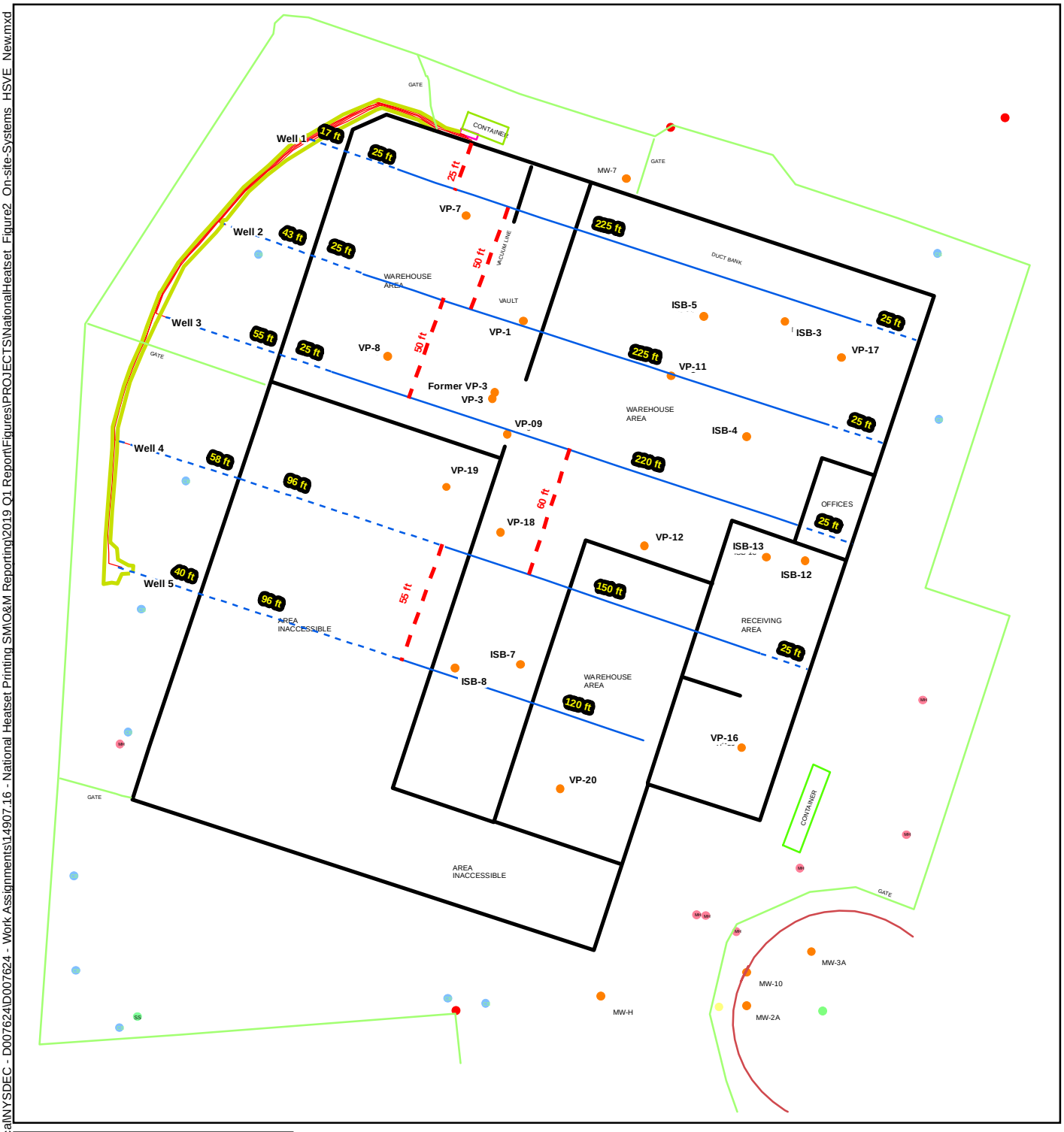

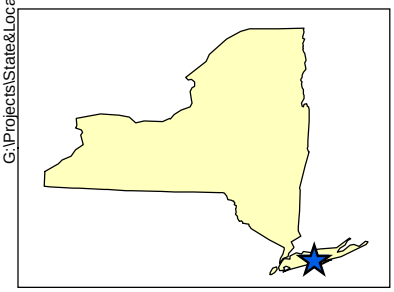

0 15 30 60
Feet

1 inch = 66.67 feet

N

Legend

- HSVE Solid PVC Pipe
- HSVE Well Screen
- HSVE Well Piping (EA Installed)
- HSVE Trench
- HSVE Manifold Shed
- 1 Adams Blvd Building Outline
- Site Location
- Catch Basin Square
- Catch Basin Round
- Manhole
- Sanitary Manhole
- Soil Boring / Vapor Point
- Soil Boring
- Monitoring Well
- Chainlink Fence

Figure 2
ONSITE TREATMENT SYSTEM LOCATION
SVE **SYSTEM**

NATIONAL HEATSET SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

Map Date: 1/27/2020
Source: ESRI, 2011

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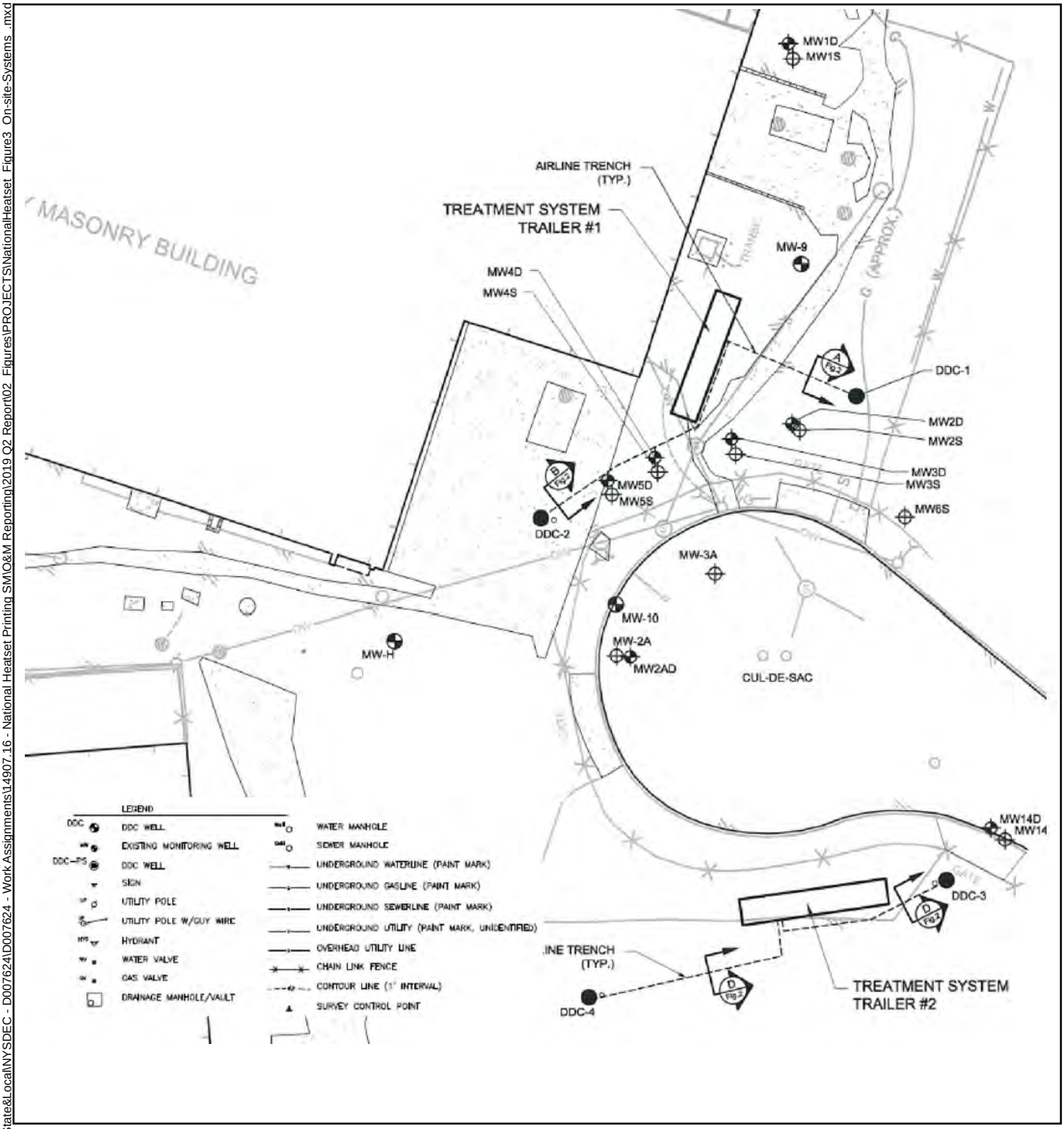

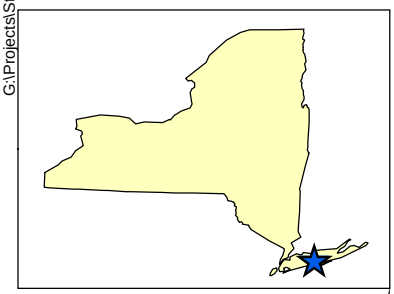

0 12.5 25 50
Feet

1 inch = 50 feet

N

Legend

★ Site Location

Figure 3
ONSITE TREATMENT SYSTEM LOCATION
DDC #1 and DDC #2
NATIONAL HEATSET SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

Map Date: 1/27/2020
Source: ESRI, 2011

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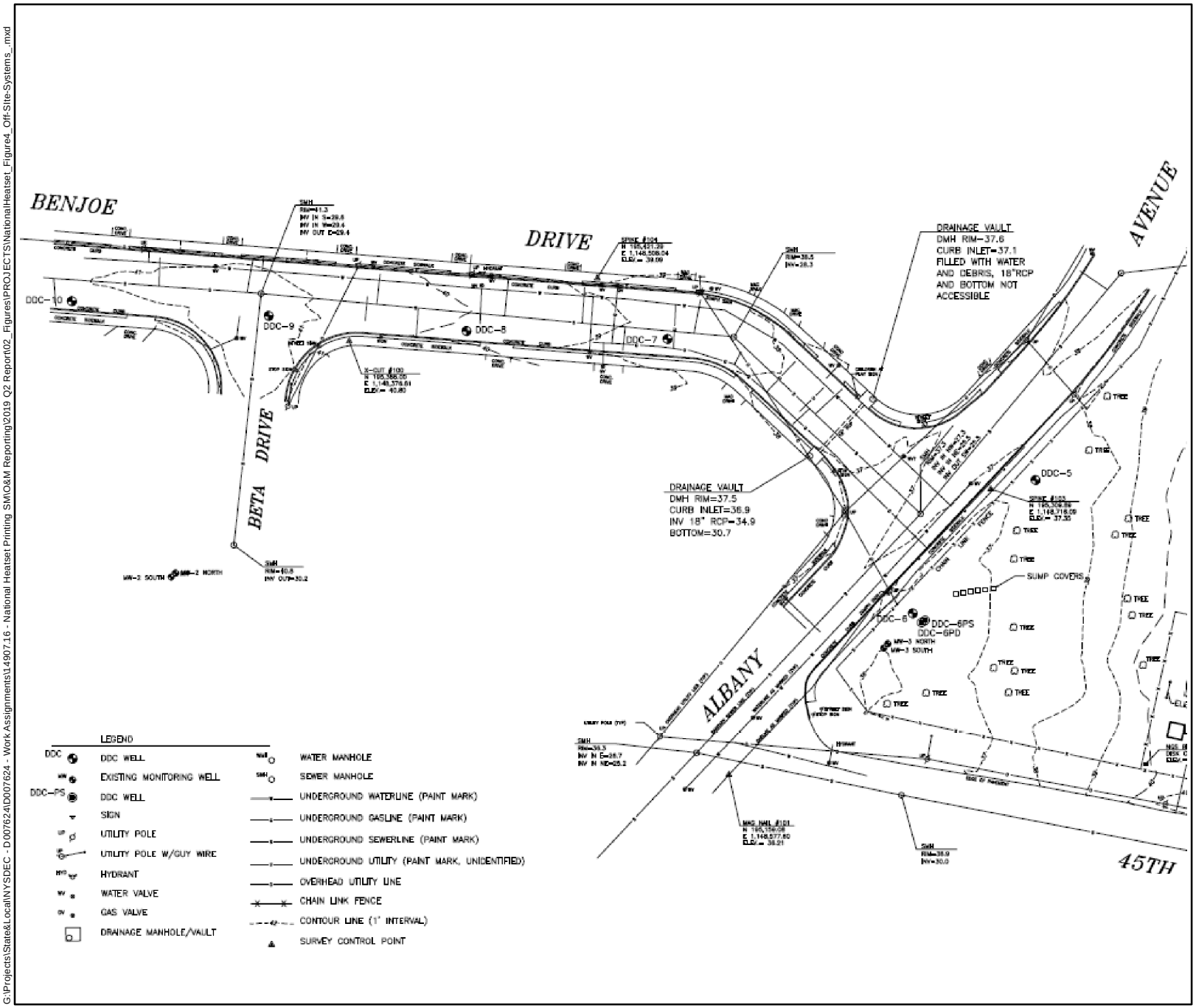
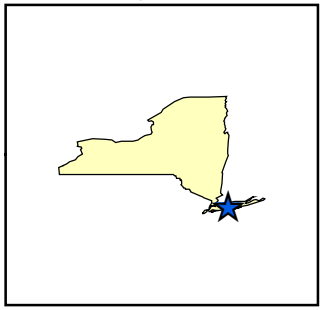


VICINITY MAP



Map Date: 1/27/2020
Source:
Projection:

N

0 25 50 100
Feet

1 inch = 100 feet

Figure 4
OFFSITE SYSTEM LOCATION
NATIONAL HEATSET
SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

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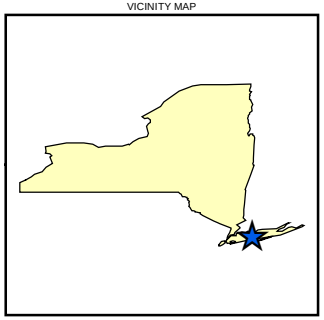

Legend

- Monitoring Wells
- Approximate Groundwater Flow Direction
- Approximate Groundwater Elevation (ft. AMSL)

Note:
Elevations are given in feet (ft.) above mean sea level (AMSL)

N

0 30 60
Feet

Map Date: 1/17/2022

Figure 5
ONSITE GROUNDWATER FLOW DIRECTION (OCTOBER 2021)
NATIONAL HEATSET
SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

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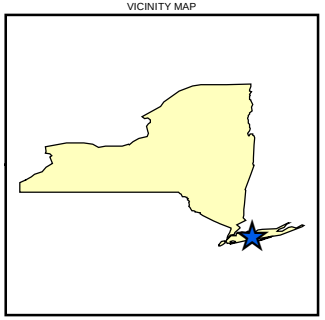

Legend

- Monitoring Wells
- Approximate Groundwater Flow Direction

Note:
Elevations are given in feet (ft.) above mean sea level (AMSL)
Offsite groundwater flow direction is based on historical estimates

N

0 40 80
Feet

Map Date: 12/10/2021

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Figure 6
OFFSITE GROUNDWATER FLOW DIRECTION (OCTOBER 2021)
NATIONAL HEATSET
SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

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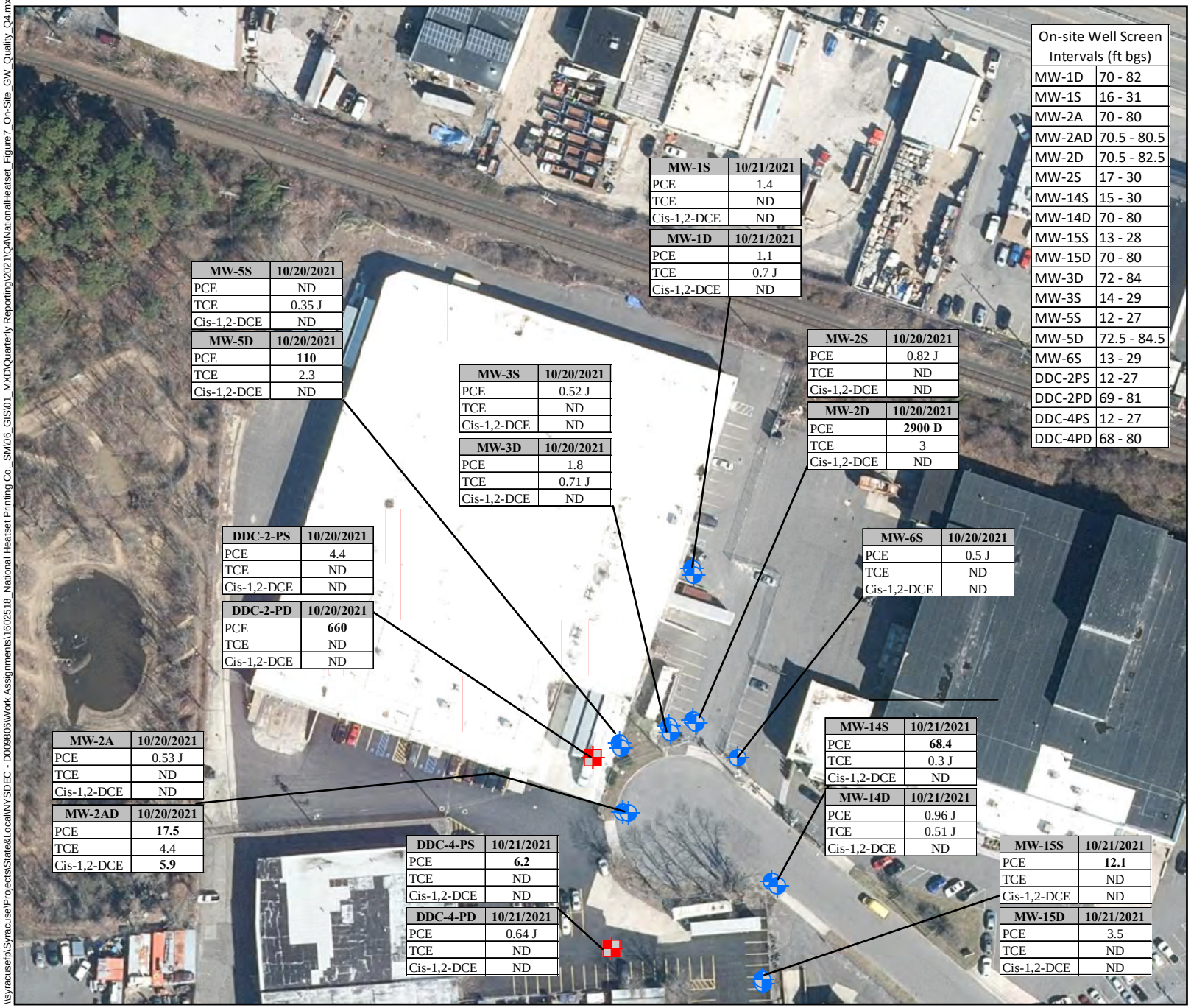


MW-1S	10/21/2021
PCE	1.4
TCE	ND
Cis-1,2-DCE	ND

MW-1D	10/21/2021
PCE	1.1
TCE	0.7 J
Cis-1,2-DCE	ND

MW-5S	10/20/2021
PCE	ND
TCE	0.35 J
Cis-1,2-DCE	ND

MW-5D	10/20/2021
PCE	**110**
TCE	2.3
Cis-1,2-DCE	ND

MW-3S	10/20/2021
PCE	0.52 J
TCE	ND
Cis-1,2-DCE	ND

MW-3D	10/20/2021
PCE	1.8
TCE	0.71 J
Cis-1,2-DCE	ND

MW-2S	10/20/2021
PCE	0.82 J
TCE	ND
Cis-1,2-DCE	ND

MW-2D	10/20/2021
PCE	**2900 D**
TCE	3
Cis-1,2-DCE	ND

DDC-2-PS	10/20/2021
PCE	4.4
TCE	ND
Cis-1,2-DCE	ND

DDC-2-PD	10/20/2021
PCE	**660**
TCE	ND
Cis-1,2-DCE	ND

MW-6S	10/20/2021
PCE	0.5 J
TCE	ND
Cis-1,2-DCE	ND

MW-2A	10/20/2021
PCE	0.53 J
TCE	ND
Cis-1,2-DCE	ND

MW-2AD	10/20/2021
PCE	**17.5**
TCE	4.4
Cis-1,2-DCE	**5.9**

MW-14S	10/21/2021
PCE	**68.4**
TCE	0.3 J
Cis-1,2-DCE	ND

MW-14D	10/21/2021
PCE	0.96 J
TCE	0.51 J
Cis-1,2-DCE	ND

DDC-4-PS	10/21/2021
PCE	**6.2**
TCE	ND
Cis-1,2-DCE	ND

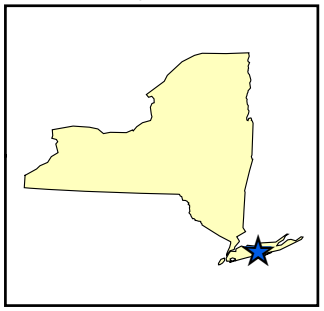
DDC-4-PD	10/21/2021
PCE	0.64 J
TCE	ND
Cis-1,2-DCE	ND

MW-15S	10/21/2021
PCE	**12.1**
TCE	ND
Cis-1,2-DCE	ND

MW-15D	10/21/2021
PCE	3.5
TCE	ND
Cis-1,2-DCE	ND

On-site Well Screen Intervals (ft bgs)	
MW-1D	70 - 82
MW-1S	16 - 31
MW-2A	70 - 80
MW-2AD	70.5 - 80.5
MW-2D	70.5 - 82.5
MW-2S	17 - 30
MW-14S	15 - 30
MW-14D	70 - 80
MW-15S	13 - 28
MW-15D	70 - 80
MW-3D	72 - 84
MW-3S	14 - 29
MW-5S	12 - 27
MW-5D	72.5 - 84.5
MW-6S	13 - 29
DDC-2PS	12 -27
DDC-2PD	69 - 81
DDC-4PS	12 - 27
DDC-4PD	68 - 80

VICINITY MAP



MW-6S

DDC Well Cluster

Monitoring Wells

PCE - Tetrachloroethene
TCE - Trichloroethene
CIS-1,2-DCE - cis-1,2-Dichloroethene
ND - Non detect

Results are reported in micrograms per liter (µg/L)
Bold values indicate exceedance of NYS AWQS (5 µg/L)

Map Date: 1/19/2022
Source: ESRI, 2011

N

0 40 80 160
Feet

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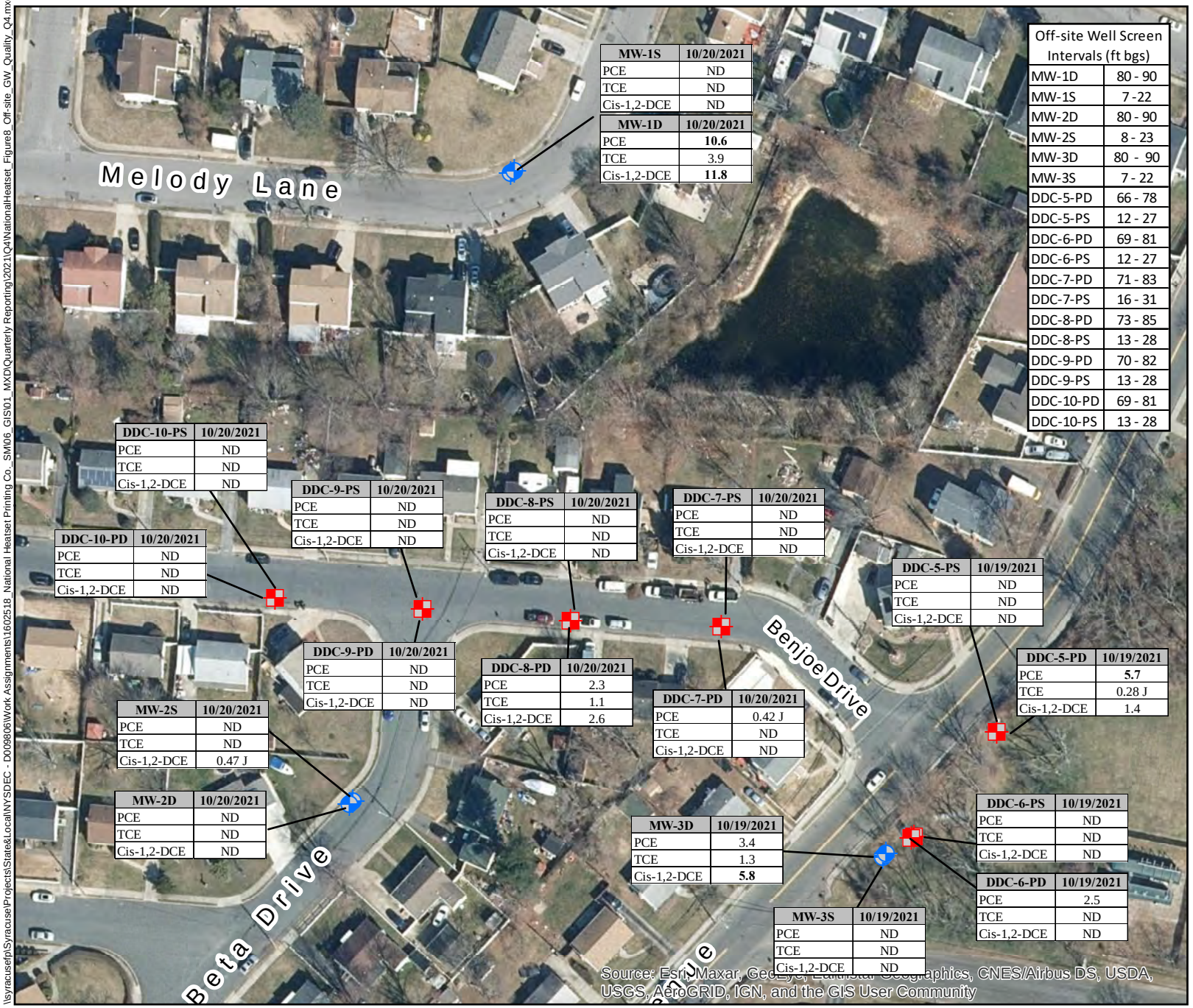
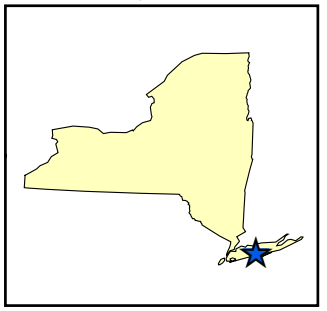
Figure 7
ONSITE GROUNDWATER QUALITY (OCTOBER 2021)
NATIONAL HEATSET
SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY



Off-site Well Screen Intervals (ft bgs)	
MW-1D	80 - 90
MW-1S	7 -22
MW-2D	80 - 90
MW-2S	8 - 23
MW-3D	80 - 90
MW-3S	7 - 22
DDC-5-PD	66 - 78
DDC-5-PS	12 - 27
DDC-6-PD	69 - 81
DDC-6-PS	12 - 27
DDC-7-PD	71 - 83
DDC-7-PS	16 - 31
DDC-8-PD	73 - 85
DDC-8-PS	13 - 28
DDC-9-PD	70 - 82
DDC-9-PS	13 - 28
DDC-10-PD	69 - 81
DDC-10-PS	13 - 28

VICINITY MAP



DDC Well Cluster

Groundwater Monitoring Wells

PCE - Tetrachloroethene
TCE - Trichloroethene
CIS-1,2-DCE - cis-1,2-Dichloroethene
ND - Non detect

Results are reported in micrograms per liter (µg/L)
Bold values indicate exceedance of NYS AWQS (5 µg/L)

Map Date: 12/10/2021
Source: ESRI, 2011

N

0 37.5 75 150
Feet

Figure 8
OFFSITE GROUNDWATER QUALITY (JULY 2021)
NATIONAL HEATSET
SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

\\syracusefp\SyracuseProjects\State&Local\NYSDEC - D009806\Work Assignments\1602518_National Heatset Printing Co._SM06_GIS\01_MXD\Quarterly Reporting\2021\Q4\NationalHeatset_Figure8_Off-site_GW_Quality_Q4.mxd

Tables

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Table 1 Treatment System Runtime

System Readings																										
		SVE System					Onsite DDC Treatment System										Offsite DDC Treatment System									
		SVE Blower					System #1					System #2					Blower B-501					Blower B-502				
Date	Notes	Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs)	Elapsed Available (Hrs)	Runtime (%)	Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs)	Elapsed Available (Hrs)	Runtime (%)	Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs)	Elapsed Available (Hrs)	Runtime (%)	Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs)	Elapsed Available (Hrs)	Runtime (%)	Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs)	Elapsed Available (Hrs)	Runtime (%)
Quarterly Run-Time				**2164**	**2164**	**100.00**			**0**	**2164**	**0**			**0**	**2164**	**0**			**842**	**2160**	**39**			**985**	**2160**	**46**
10/06/20	C, D, F	49664.08	7:57	812	813	100	49939.22	7:57	0	813	0	60507.80	7:57	0	813	0	33640.00	11:50	616	820	75	29323.40	11:50	3	820	0
11/04/20	C, D, F	49922.50	9:00	258	697	37	49939.22	9:00	0	697	0	60507.80	9:00	0	697	0	33831.40	9:00	191	693	28	29829.40	9:00	506	693	73
12/08/20	C, D, F	49973.59	8:13	51	815	6	49939.22	8:13	0	815	0	60507.80	8:13	0	815	0	33831.40	7:30	0	815	0	30644.10	7:30	815	815	100
Quarterly Run-Time				**1122**	**2326**	**100.00**			**0**	**2325**	**0**			**0**	**2325**	**0**			**808**	**2328**	**35**			**1324**	**2328**	**57**
01/25/21	C, D	50472.90	8:00	499	1152	100	49951.90	8:00	13	1152	1	*63396.60*	8:00	*0*	1152	0	33831.40	12:00	0	1157	0	31406.80	12:00	763	1157	66
02/24/21	C, E, H	51046.81	12:00	574	724	79	49951.90	12:00	0	724	0	63756.50	12:00	360	724	50	33831.40	15:55	0	724	0	32107.70	15:55	701	724	97
03/25/21	C, E, G	51548.12	13:33	501	698	72	49951.90	13:33	0	698	0	64111.40	13:56	355	698	51	33831.40	11:50	0	692	0	32798.10	11:50	690	692	100
Quarterly Run-Time[1]				**1575**	**2574**	**100.00**			**13**	**2573**	**0**			**715**	**2574**	**28**			**0**	**2572**	**0**			**2154**	**2572**	**84**
04/19/21	C, E	52126.32	11:27	578	598	97	49951.90	10:40	0	597	0	64739.50	10:48	*597*	597	100	33831.40	12:40	0	601	0	33398.40	12:40	600	601	100
05/19/21	C, H	52845.88	11:01	720	720	100	49951.90	11:40	0	721	0	65165.10	12:05	426	721	59	33831.40	14:15	0	722	0	34068.30	14:15	670	722	93
06/15/21	C, H	53493.89	11:00	648	648	100	49951.90	15:43	0	652	0	65477.50	12:28	312	648	48	33831.40	15:00	0	649	0	34256.00	15:00	188	649	29
Quarterly Run-Time[2]				**1946**	**1966**	**99.0**			**0**	**1970**	**0**			**1335**	**1967**	**68**			**0**	**1971**	**0**			**1458**	**1971**	**74**
07/20/21	C,E	54335.73	11:27	842	840	100	49951.90	13:15	0	838	0	66073.70	9:03	*597*	837	71	33831.40	7:55	0	833	0	35089.00	7:55	833	833	100
08/18/21	C,D	55030.79	12:00	695	697	100	49951.90	11:48	0	695	0	66772.20	11:30	699	698	100	33831.40	14:50	0	703	0	35113.00	14:50	24	703	3
09/22/21	C,D,H	55876.33	17:32	846	846	100	49954.10	15:43	2	844	0	66881.80	12:28	110	841	13	33831.40	15:00	0	840	0	35548.20	15:00	435	840	52
Quarterly Run-Time[2]				**2382**	**2383**	**100.0**			**2**	**2376**	**0**			**1405**	**2376**	**59**			**0**	**2376**	**0**			**1292**	**2376**	**54**

NOTES:
1 Onsite DDC System #2 hour meter logged more than 3,000 hours during 2020, though the system did not run. Run-time in January 2021 assumed to be zero.
2 Onsite DDC System #2 hour meter logged 628 hours between 25 March and 19 April 2021, although there were only 597 hours between the events; The Elapsed Runtime hours for the April event were adjusted in the table to not exceed 100% runtime.

SVE = Soil vapor extraction
DDC = Density driven convection
--- = N/A
A = SVE System down, Hour reading only parameter collected
B = Onsite DDC System #2 down in January, was not restarted until February
C = Onsite DDC System #1 down upon arrival, remains off pending repairs
D = Offsite System shut down
E = SVE System down upon arrival; High high water level alarm
F = Onsite DDC System #2 down upon arrival, remained off pending repairs. Run clock hours estimated.
G = Onsite DDC System #2 down upon arrival due to MOM Power Loss
H = Onsite DDC System #2 down upon arrival due to High Level KO Tank.
No O&M events took place February 2020 during transition from EA to EAR - System was shut off between January and March 2020 events - Dates/Times/Hours during this period are assumptions used as place holders
Shaded cells indicate O&M events performed during a previous reporting period.

Table 2A Summary of Estimated Recovery Rate via Soil Vapor Extraction System

Date	Field/System Data			Elapsed Run-Time (day)	Laboratory Results						Mass Discharged						Recovery based on Laboratory Results					
					SYS INFLUENT			SYS EFFLUENT														
	SVE Blower Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Discharge VOC Concentration (ppmv)		PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m3)	TCE (mg/m3)	*cis* -1,2-DCE (mg/m3)	PCE Discharge During Period: lb/hr	PCE Discharge During Period (lb)	TCE Discharge During Period (lb/hr)	TCE Discharge During Period (lb)	*cis* -1,2-DCE Discharge During Period (lb/hr)	*cis* -1,2-DCE Discharge During Period (lb)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
01/15/20	--	80	0.00	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/01/20	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/20	77	80	0.00	52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.000	0.0000
04/14/20	343	75	0.00	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/07/20	188	74	0.01	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/20	200	74	0.00	28	0.01	0.01	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.0000	0.0000	0.0000	0.0000	0.000	0.0000
07/09/20	176	72	0.00	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/20	172	--	0.00	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/20	141	--	0.10	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/06/20	21	70	0.00	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/04/20	198	76	0.20	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/20	--	--	--	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/26/21	160	80	0.12	49	0.1490	0.0097	0.00595	0.01080	0.0008	0.0075	0.0000	0.0000	0.0000	0.0061	0.0000	0.0546	0.0001	1.0023	0.0000	0.0643	0.0000	-0.0012
02/24/21	160	80	0.02	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/21	160	80	0.01	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/21	173	75	0.00	25	0.0062	0.0011	0.0031	0.0052	0.0003	0.0166	0.0000	0.0086	0.0000	0.0004	0.00001	0.0275	0.0000	0.0017	0.0000	0.0013	0.0000	-0.0224
05/19/21	250	70	0.00	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/15/21	250	68	0.00	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/20/21	250	67	0.00	35	0.0024	0.0016	0.0048	0.0011	0.0002	0.0103	0.0000	0.0024	0.0000	0.0004	0.00001	0.0229	0.0000	0.0082	0.0000	0.0031	0.0000	-0.0123
08/18/21	250	16	0.00	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/21	250	64	0.00	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/20/21	250	64	0.00	28	0.0841	0.0086	0.0075	0.0026	0.0002	0.0159	0.0000	0.0048	0.0000	0.0003	0.00001	0.0297	0.0000	0.0092	0.0000	0.0158	0.0000	-0.0156
11/18/21	250	60	0.00	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/21	250	51	0.00	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
											PERIOD TOTALS =	**0.0159**		**0.0072**		**0.1347**		**0.0082**		**0.0031**		**-0.0123**

NOTES:
SVE = Soil vapor extraction
cfm = Cubic foot (feet) per minute
in. H_20 = Inch(es) of water
ppmv = Part(s) per million (vol./vol.)
mg/m^3 = Milligram(s) per cubic meter
lb = Pound(s)
lb/hr = Pound(s) per hour
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = cis-1,2-Dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day
Permit limit for PCE is 0.031 lb/hr and 270 lb/yr; TCE is 0.014 lb/hr and 120 lb/year; cis-1,2-DCE is 0.63 lb/hr and 5,510 lb/year
Shaded cells indicate O&M events performed during a previous reporting period.
**Flow rates for Quarter 2 2021 are estimated as the maximum value which the flowmeter is capable of .

Table 2B Summary of Estimated Recovery Rate via Onsite DDC System #1

Date	Field/System Data			Elapsed Run-Time (days)	Laboratory Results									Recovery based on Laboratory Results					
					SYS1-INF1			SYS1-MIDGAC			SYS1-EFF								
	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Influent VOC Concentration (ppmv)		PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
01/15/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/01/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/07/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/09/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/06/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/26/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/24/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/19/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/15/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/20/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/18/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/20/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
														PERIOD TOTALS =	--		--		--

NOTES: cfm = Cubic foot (feet) per minute
VOC = Volatile organic compound
in. H_20 = Inch(es) of water
ppmv = Part(s) per million (vol./vol.)
mg/m^3 = Milligram(s) per cubic meter
lb = Pound(s)
lb/hr = Pound(s) per hour
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = Cis-1,2-Dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day
Shaded cells indicate O&M events performed during a previous reporting period.
Samples were not collected from on-site DDC system #1 during this reporting period as the system was shut down for repairs.

Table 2C Summary of Estimated Recovery Rate via Onsite DDC System #2

Date	Field/System Data			Elapsed Run-Time (day)	Laboratory Results									Recovery based on Laboratory Results					
					SYS2-INF1			SYS2-INF2			SYS2-EFF								
	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Influent VOC Concentration (ppmv)		PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
01/15/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/01/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/07/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/09/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/06/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/26/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/24/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/21	200	14.15	1.469	25	0.0624	0.0031	0.0159	0.0142	0.0021	0.0135	0.0009	0.0002	0.0014	0.0000	0.094	0.0000	0.0044	0.0000	0.0221
05/19/21	220	6.04	3.199	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/15/21	200	5.63	4.128	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/21/21	240	5.64	1.111	36	0.1900	0.0054	0.0178	0.0922	0.0033	0.0103	0.0020	0.0002	0.0020	0.0002	0.391	0.0000	0.0108	0.0000	0.0329
08/18/21	220	6.14	---	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/2021	240	5.64	---	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/20/2021	240	5.62	4.096	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
													PERIOD TOTALS =	0.0002	0.4845	0.0000	0.0153	0.0000	0.0550

NOTES: cfm = Cubic foot (feet) per minute
VOC = Volatile organic compound
in. H_20 = Inch(es) of water
ppmv = Part(s) per million (vol./vol.)
mg/m^3 = Milligram(s) per cubic meter
lb = Pound(s)
lb/hr = Pound(s) per hour
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = Cis-1,2-dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day
Shaded cells indicate O&M events performed during a previous reporting period.

Table 2D Summary of Estimated Recovery Rate via Offsite DDC System (Blower B501)

Date	Field/System Data			Elapsed Run-Time (day)	Laboratory Results												Recovery based on Laboratory Results					
					B501-INF1			B501-INTER1			B501-INTER2			B501-EFF								
	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Influent VOC Concentration (ppmv)		PCE (mg/m^3)	TCE (mg/m^3)	*cis*-1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis*-1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis*-1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis*-1,2-DCE (mg/m^3)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis*-1,2-DCE Recovery During Period (lb/hr)	*cis*-1,2-DCE Recovery During Period (lb)
01/15/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/01/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/07/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/09/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/06/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/26/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/24/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/19/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/15/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/20/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/18/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/20/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PERIOD TOTALS =																	--		--		--	

NOTES:
- cfm = Cubic foot (feet) per minute
- VOC = Volatile organic compound
- in. H_20 = Inch(es) of water
- ppmv = Part(s) per million (vol./vol.)
- mg/m^3 = Milligram(s) per cubic meter
- lb = Pound(s)
- lb/hr = Pound(s) per hour
- PCE = Tetrachloroethylene
- TCE = Trichloroethene
- *cis*-1,2-DCE = Cis-1,2-dichloroethene

Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr

Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day

Shaded cells indicate O&M events performed during a previous reporting period.

(1) Blower B-501 replaced; O&M readings carried over from B-501 to B-502 on Table 2E for purposes of calculation. Full system shut down shortly after restart with B-501 due to leaking well head at DDC-8.

Table 2E Summary of Estimated Recovery Rate via Offsite DDC System (Blower B502)

Date	Field/System Data			Elapsed Run-Time (day)	Laboratory Results												Recovery based on Laboratory Results					
					B502-INF1			B502-INTER1			B502-INTER2			B502-EFF								
	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Influent VOC Concentration (ppmv)		PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
01/15/20	--	54	0	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/01/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/20	--	60	0.1000	52	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04/14/20	520	60	0.0000	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/07/20	80	--	--	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/20	447	--	--	28	0.0000	0.0000	0.0980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0098	0.0000	0.0050	0.0081	0.0000	0.0000	0.0000	-0.0169	0.0001	0.3047
07/09/20	351	60	0.0000	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/20	486	60	0.0000	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/06/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/26/21	717	54	0.778	--	0.0003	0.0004	0.0226	0.0002	0.0002	0.0052	0.0002	0.0002	0.0037	0.0003	0.0002	0.0381	0.0000	0.0000	0.0000	0.0015	-0.0001	-0.1078
02/24/21	765	62	--	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/21	2450	65	--	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/20/21	2662	1	0.000	26	0.0004	0.0004	0.0377	0.0004	0.0010	0.0341	0.0026	0.0002	0.0365	0.0005	0.0002	0.0745	0.0000	-0.0012	0.0000	0.0054	-0.0002	-0.7387
05/19/21	706	66	d	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/15/21	2999	66	0.000	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/20/21	638	67	0.027	35	0.005	0.000	0.002	0.002	0.0003	0.0020	0.0003	0.0002	0.0020	0.0003	0.0002	0.0888	0.0000	0.0229	0.0000	0.0012	-0.0002	-0.4580
08/18/21	635	66	0.000	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/21	504	66	2.210	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/20/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
																	PERIOD TOTALS =	**0.022**		**0.008**		**-1.305**

NOTES: cfm = Cubic (foot) feet per minute
VOC = Volatile organic compound
in. H_20 = Inch(es) of water
ppmv = Part(s) per million (vol./vol.)
mg/m^3 = Milligram(s) per cubic meter
lb = Pound(s)
lb/hr = Pound(s) per hour
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = Cis-1,2-dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day
Shaded cells indicate O&M events performed during a previous reporting period.
(1) Blower B-501 replaced; O&M readings carried over from B-501 to B-502 on Table 2E for purposes of calculation. Full system shut down shortly after restart with B-501 due to leaking well head at DDC-8.

Table 3 Well Gauging Data (October 2021)

Onsite				Offsite			
Well ID	DTW[1]	Top of Casing[2]	ft AMSL	Well ID	DTW[1]	Top of Casing[2]	ft AMSL
MW-1S	14.43	57.53	43.10	MW-1S	7.23	36.60	29.37
MW-1D	14.61	57.73	43.12	MW-1D	7.70	36.60	28.90
MW-2A	14.95	57.80	42.85	MW-2S		40.07	40.07
MW-2AD	14.47	58.32	43.85	MW-2D		40.14	40.14
MW-2S	15.02	57.94	42.92	MW-3S	7.70	35.83	28.13
MW-2D	14.8	57.73	42.93	MW-3D	7.75	35.77	28.02
MW-3A		57.77	57.77	DDC-5-PS	12.41	40.64	28.23
MW-3S	15.25	58.18	42.93	DDC-5-PD	12.45	40.68	28.23
MW-3D	15.25	58.18	42.93	DDC-6-PS	8.07	36.20	28.13
MW-4S		57.84	57.84	DDC-6-PD	8.17	36.31	28.14
MW-4D		57.64	57.64	DDC-7-PS	9.18	37.69	28.51
MW-5S	14.94	56.63	41.69	DDC-7-PD	9.21	37.70	28.49
MW-5D	14.73	55.81	41.08	DDC-8-PS	10.21	38.87	28.66
MW-6S		57.64	57.64	DDC-8-PD	10.31	38.87	28.56
MW-9		56.71	56.71	DDC-9-PS		40.30	40.30
MW-10		57.79	57.79	DDC-9-PD		40.37	40.37
MW-14S	14.22	57.02	42.8	DDC-10-PS	11.01	39.80	28.79
MW-14D	14.06	57.07	43.01	DDC-10-PD	11.01	39.80	28.79
MW-15S	14.43	57.06	42.63				
MW-15D	14.49	57.03	42.54				
MW-H		57.57	57.57				
DDC-1-PS		56.74	56.74				
DDC-1-PDA		56.74	56.74				
DDC-1-PDB		56.72	56.72				
DDC-2-PS	12.58	55.56	42.98				
DDC-2-PD	12.69	55.42	42.73				
DDC-3-PS		56.97	56.97				
DDC-3-PD		56.96	56.96				
DDC-4-PS	12.30	54.90	42.60				
DDC-4-PD	12.38	55.03	42.65				

[1]Static water levels gauged before purging onsite and offsite wells.

[2]Top of casing is the PVC casing inside of the outer casing made of steel

NOTES:

ft = Foot (feet)
ID = Identification
DTW = Depth to water
AMSL = Above mean sea level

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Table 4A Summary of Detected Volatile Organic Compounds in Onsite Groundwater Samples Quarterly Sampling Event (October 2021)

Parameters List EPA Method 8260B	Sample ID	MW-1D		MW-1S		MW-2A		MW-2AD		MW-2D		152140-FD-01		MW-2S		MW-3D		MW-3S		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Duplicate		Groundwater		Groundwater		Groundwater		
	Sample Date	10/21/2021		10/21/2021		10/20/2021		10/20/2021		10/20/2021		10/20/2021		10/20/2021		10/20/2021		10/20/2021		
Acetone	(µg/L)	1.9	J	(<5)	U	1.7	J	(<5)	U	(<5)	U	(<5)	U	1.7	J	(<5)	U	(<5)	U	50 (s)
cis - 1,2-Dichloroethene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	**5.9**		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene (TCE)	(µg/L)	0.7	J	(<1)	U	(<1)	U	4.4		3.0		(<1)	U	(<1)	U	0.71	J	(<1)	U	5 (s)
Tetrachloroethene (PCE)	(µg/L)	1.1		1.4		0.53	J	**17.5**		**2900**	**D**	(<1)	U	0.82	J	1.8		0.52	J	5 (s)
Carbon Tetrachloride	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	**13.1**		(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
1,4-Dichlorobenzene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	3 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	6.1		(<1)	U	(<1)	U	(<1)	U	(<1)	U	7 (s)

Parameters List EPA Method 8260B	Sample ID	MW-5D		MW-5S		MW-6S		MW-14D		MW-14S		MW-15D		MW-15S		DDC-2-PD		DDC-2-PS		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	10/20/2021		10/20/2021		10/20/2021		10/21/2021		10/21/2021		10/21/2021		10/21/2021		10/20/2021		10/20/2021		
Acetone	(µg/L)	2.5	J	(<5)	U	3.2	J	2.5	J	2.3	J	2.8	J	2.8	J	(<50)	U	(<5)	U	50 (s)
cis - 1,2-Dichloroethene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<10)	U	(<1)	U	5 (s)
Trichloroethene (TCE)	(µg/L)	2.3		0.35	J	(<1)	U	0.51	J	0.3	J	(<1)	U	(<1)	U	(<10)	U	(<1)	U	5 (s)
Tetrachloroethene (PCE)	(µg/L)	**110**		(<1)	U	0.5	J	0.96	J	**68.4**		3.5		**12.1**		**660**		4.4		5 (s)
Carbon Tetrachloride	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<10)	U	(<1)	U	5 (s)
1,4-Dichlorobenzene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<10)	U	(<1)	U	3 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	0.5	J	0.54	J	1.1		(<10)	U	(<1)	U	7 (s)

Parameters List EPA Method 8260B	Sample ID	DDC-4-PD		DDC-4-PS		152140-FD-02		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Groundwater		Duplicate		
	Sample Date	10/21/2021		10/21/2021		10/20/2021		
Acetone	(µg/L)	(<5)	U	(<5)	U	2.3	J	50 (s)
cis - 1,2-Dichloroethene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene (TCE)	(µg/L)	(<1)	U	(<1)	U	(<1)	U	5 (s)
Tetrachloroethene (PCE)	(µg/L)	0.64	J	**6.2**		0.46	J	5 (s)
Carbon Tetrachloride	(µg/L)	(<1)	U	(<1)	U	(<1)	U	5 (s)
1,4-Dichlorobenzene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	3 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	7 (s)

NOTES:
EPA = U.S. Environmental Protection Agency
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standard
µg/L = Microgram(s) per liter (parts per billion)
U = Analyte not detected at the listed laboratory reporting limit.
J = Estimated Value
D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded The calibration range.
E = Value exceeds calibration range
* = Values outside of QC limits
152140-FD-02 was a blind field duplicate quality assurance/quality control sample of on-site sample MW-2D (Onsite) for this sampling event.
Bold values indicate that the analyte was detected greater than the NYSDEC AWQS.

Table 4B Summary of Detected Volatile Organic Compounds in Offsite Groundwater Samples Quarterly Sampling Event (October 2021)

Parameters List EPA Method 8260B	Sample ID	MW-1D		MW-1S		MW-2D		MW-2S		MW-3D		MW-3S		DDC-5-PD		DDC-5-PS		DDC-6-PD		DDC-6-PS		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	10/20/2021		10/20/2021		10/20/2021		10/20/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		
Acetone	(µg/L)	(<5)	U	2.1	J	1.7	J	1.9	J	(<5)	U	(<5)	U	2.6	J	2.3	J	2.6	J	1.9	J	50 (s)
cis - 1,2-Dichloroethene	(µg/L)	**11.8**		(<1)	U	(<1)	U	0.47	J	**5.8**		(<1)	U	1.4		(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene (TCE)	(µg/L)	3.9		(<1)	U	(<1)	U	(<1)	U	1.3		(<1)	U	0.28	J	(<1)	U	(<1)	U	(<1)	U	5 (s)
Tetrachloroethene (PCE)	(µg/L)	**10.6**		(<1)	U	(<1)	U	(<1)	U	3.4		(<1)	U	**5.7**		(<1)	U	2.5		(<1)	U	5 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	0.32	J	(<1)	U	0.37	J	(<1)	U	0.3	J	(<1)	U	7 (s)
Toluene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5(s)

Parameters List EPA Method 8260B	Sample ID	DDC-7-PD		DDC-7-PS		DDC-8-PD		DDC-8-PS		DDC-9-PD		DDC-9-PS		DDC-10-PD		DDC-10-PS		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	10/20/2021		10/20/2021		10/20/2021		10/20/2021		10/20/2021		10/20/2021		10/20/2021		10/20/2021		
Acetone	(µg/L)	2.0	J	1.9	J	2.1	J	1.8	J	2.2	J	(<5)	U	(<5)	U	1.7	J	50 (s)
cis - 1,2-Dichloroethene	(µg/L)	(<1)	U	(<1)	U	2.6		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene (TCE)	(µg/L)	(<1)	U	(<1)	U	1.1		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Tetrachloroethene (PCE)	(µg/L)	0.42	J	(<1)	U	2.3		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	0.65	J	0.59	J	(<1)	U	(<1)	U	(<1)	U	0.32	J	7 (s)
Toluene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5(s)

NOTES:
EPA = U.S. Environmental Protection Agency
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standard
µg/L = Microgram(s) per liter (parts per billion)
U = Analyte not detected at the listed laboratory reporting limit.
J = Estimated Value
152140-FD-01 was a blind field duplicate quality assurance/quality control sample of on-site sample DDC-10-PS for this sampling event.
Bold values indicate that the analyte was detected greater than the NYSDEC AWQS.

Attachment A

System Data Sheets

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EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-5-PS	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: Sunny, breezy
Sounding Method: Heron Skinny Dipper WLI	Gauge Date: 10/19/21	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in): 2"
	PID Headspace Reading:	

Purge Date: 10/19/21	Purge Time: 1420
Purge Method: Low Flow via Peristaltic Pump	Field Technician: DK

Well Volume

A. Well Depth (ft): 30.32	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
~~1414~~	~~6.20~~	~~1.82~~	~~0.4~~					~~0.22~~	
1419	6.27	0.175	0.4	2.40	17.58	232	12.49	0.22	
1422	6.46	0.163	0.0	2.33	17.61	224	12.49		
1425	6.48	0.160	0.4	2.24	17.70	221	12.49		
1428	6.56	0.157	0.3	2.15	17.74	219	12.49		
1431	6.58	0.155	0.1	2.09	17.80	218	12.49		
1434	6.57	0.155	0.0	2.01	17.90	217	12.49		
1437	6.62	0.155	0.0	1.94	18.00	216	12.49		
1440	6.60	0.155	0.0	1.94	18.01	216	12.49		
1443	6.60	0.155	0.0	1.91	18.03	215	12.49		

Total Quantity of Water Removed (gal):		Sampling Time:	1443
Samplers:	DK/MG	Split Sample With:	
Sampling Date:	10/19/21	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-5-PD	**EA Personnel:** DK, ~~JBL~~, MG, ~~HY~~, DH, ~~CF~~	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** Sunny 65°F, breeze WNW
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/2021	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):** 2"
	PID Headspace Reading: 0.0	

Purge Date: 10/19/2021	**Purge Time:** 1418
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** D. Kite / M. Gilkey / E. Fenner

Well Volume

A. Well Depth (ft): 82.50 ~~+2.41~~	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 12.41	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH ±.1 (pH units)	Conductivity (mS/cm) 3%	Turbidity (ntu) 10%	DO 10% (mg/L)	Temperature (°C) 3%	ORP (mV) ±10	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1418	5.37	0.296	0.0	6.11	13.48	220	12.49	.325	
1421	5.22	.232	0.0	5.65	12.83	230	12.49		
1424	5.12	0.234	0.0	5.43	12.81	243	12.49		
1427	5.07	0.235	0.0	5.07	12.96	251			
1430	5.05	0.236	0.0	5.05	12.62	255			
1433	5.07	0.236	0.0	5.30	12.55	~~252~~ 257			
1436	5.06	0.235	0.0	5.14	12.49	260			
1439	5.05	0.233	0.0	5.22	12.44	263			
1442	5.06	0.233	0.0	5.12	12.38	263			
1445	5.08	0.230	0.0	5.27	12.37	264			
1448									

Total Quantity of Water Removed (gal):		**Sampling Time:**	1445
Samplers:	M. Gilkey	**Split Sample With:**	
Sampling Date:	10/19/2021	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-6-PS	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** Sunny 68°F; breezy WNW
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/2021	**Measurement Ref:** Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 2"

Purge Date: 10/19/2021	**Purge Time:** 1505
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** M.Gulkey/E.Fenner/D.Kite

Well Volume

A. Well Depth (ft): 37.50	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 08.03	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH ±.1 (pH units)	Conductivity (mS/cm) ±3%	Turbidity (ntu) ±10% or <5	DO ±10% (mg/L)	Temperature (°C) ±3%	ORP ±10 (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1505	5.77	0.174	0.0	11.57	13.98	200	8.03	0.300	
1508	5.80	0.150	0.0	2.47	13.85	199	8.07		
1511	5.86	0.146	0.0	2.30	13.90	193	8.05		
1514	5.89	0.146	0.0	2.13	13.98	191	8.03		
1517	5.92	0.146	0.0	2.06	14.09	187	8.03		
1520	5.96	0.149	0.0	1.99	14.24	184	8.03		
1523	5.96	0.150	0.0	1.97	14.35	183	8.03		
1526	5.97	0.152	0.0	1.89	14.32	182	8.03		
1529	5.98	0.153	0.0	2.02	14.38	181	8.03		
1532	6.00	0.153	0.0	1.94	14.50	178	8.03		
1505									

Total Quantity of Water Removed (gal):		**Sampling Time:**	1532
Samplers:	M.Gulkey/D.Kite/E.Fenner	**Split Sample With:**	
Sampling Date:	10/19/2021	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS: Ants in casing

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-3D (offsite)	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: Sunny Warm
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): flush	Gauge Time:	Well Diameter (in): 1"
	PID Headspace Reading:	

Purge Date: 10/19/21	Purge Time:
Purge Method: Low Flow via Peristaltic Pump	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1509	6.94	0.185	12.6	5.9	18.29	-35			
1512	6.95	0.194	6.6	3.15	18.31	-27			
1515	6.86	0.201	5.1	3.42	18.46	-10			
1518	6.78	0.204	0.0	3.94	18.64	3			
1521	6.70	0.205	0.6	4.21	18.64	21			
1524	6.61	0.205	0.0	4.39	18.56	38			
1527	6.54	0.204	0.0	4.36	18.53	36			
1530	6.49	0.204	0.0	4.35	18.56	34			
1533	6.48	0.203	0.0	4.36	18.49	33			

Total Quantity of Water Removed (gal):
Samplers: DK/MG/EF
Sampling Date:

Sampling Time: 1533
Split Sample With:
Sample Type: GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: OOC-6-PD	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 66°F Sunny
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
~~Stick Up~~/Down (ft): Flush	Gauge Time: PID Headspace Reading:	Well Diameter (in): 2

Purge Date: 10/19/21	Purge Time: 1511
Purge Method: Low Flow via Peristaltic Pump	Field Technician: E. Fenner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
~~1513~~	~~5.84~~	~~0.262~~	8.2	0.00	19.61	262		0.22	
~~1516~~	6.43	0.148	8.1	0.73	18.99	231			
1519	6.40	0.162	10.1	1.30	18.82	228			
1522	6.35	0.187	7.2	2.47	17.37	228			
1525	6.36	0.178	5.2	2.27	17.34	228			
1528	6.40	0.176	3.8	2.13	17.07	226			
1531	6.40	0.179	4.1	2.22	16.89	225			
1534	6.39	0.185	3.3	2.57	16.78	225			
1537	6.39	0.186	1.6	3.01	16.84	224			
1540	6.40	0.187	1.0	2.76	17.12	227			
1543	6.37	0.192	0.7	3.06	17.15	229			
~~1546~~									

Total Quantity of Water Removed (gal):		Sampling Time:	1543
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-35 (offsite)	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** Sunny 68°F; breeze WNW
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/2021	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):** 1"
	PID Headspace Reading:	

Purge Date: 10/19/2021	**Purge Time:** 1556
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** M. Gilkey, D. Kite/E. Fenner

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.70	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1556	5.99	0.166	0.0	2.60	16.03	149	7.70	0.27	
1559	5.89	0.160	0.0	1.99	16.19	144			
1602	5.94	0.159	0.0	1.91	16.20	128			
1605	5.96	0.159	0.0	2.03	16.17	111			
1608	5.96	0.160	0.0	1.87	16.22	94			
1611	5.95	0.160	0.0	1.90	16.26	89			
1614	5.94	0.161	0.0	1.94	16.26	85			
1617	5.94	0.162	0.0	1.83	16.24	83			
1620	5.93	0.164	0.0	1.82	16.24	85			
1623	5.94	0.166	0.0	1.80	16.25	88			
1626									

Total Quantity of Water Removed (gal):		**Sampling Time:**	1623
Samplers:	M. Gilkey	**Split Sample With:**	
Sampling Date:	10/19/2021	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DK-7-PS	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: Partly Cloudy
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
~~Stick-Up/Down (ft):~~ Flush	Gauge Time: PID Headspace Reading:	Well Diameter (in): 2

Purge Date: 10/20/21	Purge Time: 0750
Purge Method: Low Flow via Peristaltic Pump	Field Technician:

Well Volume

A. Well Depth (ft): 29.98	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 9.20	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0753	5.45	0.414	66.5	1.10	17.74	285	9.20		
0756	5.84	0.384	32.8	0.77	17.58	264	9.20	0.25	
0759	5.94	0.378	14.1	0.69	17.57	260	9.20		
0802	6.00	0.374	10.7	0.62	17.44	258	9.20		
0805	6.06	0.372	11.1	0.61	17.39	257	9.20		
0808	6.08	0.367	6.8	0.58	17.35	256	9.20		
0811	6.14	0.362	3.3	0.56	17.33	255	9.20		
0814	6.23	0.358	2.0	0.55	17.31	254	9.20		
0817	6.25	0.354	2.7	0.53	17.31	254	9.20		
0820	6.27	0.349	0.6	0.53	17.28	254	9.20		
0823	6.28	0.346	0.2	0.53	17.27	253	9.20		

Total Quantity of Water Removed (gal):		Sampling Time:	0823
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: Initial purge produced a lot of sand/filter pack w/reddish brown water

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-7-PD	**EA Personnel:** DK, ~~LBL~~, MG, ~~EPY~~, DH, EF	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good / Dirty from Recent Storms	**Weather:** Sunny 57°F
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/2021	**Measurement Ref:** Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 2"

Purge Date: 10/20/2021	**Purge Time:** 0755
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** M. Gilkey / D. Kite / E. Fennar

Well Volume

A. Well Depth (ft): 82.40	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 09.20	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0755	5.59	0.231	0.0	2.92	14.00	212	9.20	0.325	
0758	5.70	0.246	0.0	2.25	13.85	199	9.20	1	
0801	5.75	0.231	0.0	2.13	14.34	199	9.21		
0804	5.79	0.226	0.0	2.08	14.45	196	9.23		
0807	5.81	0.225	0.0	2.03	14.43	194	9.24		
0810	5.84	0.224	0.0	2.00	14.37	192	9.24		
0813	5.83	0.224	0.0	1.99	14.33	191	9.24		
0816	5.86	0.224	0.0	1.94	14.30	188	9.24		
0819	5.88	0.224	0.0	1.94	14.27	187	9.24		
0822	5.88	0.224	0.0	1.92	14.24	187	9.24		
0825	5.88	0.225	0.0	1.91	14.24	185	9.24		

Total Quantity of Water Removed (gal):		**Sampling Time:**	0825
Samplers:	M. Gilkey / D. Kite	**Split Sample With:**	
Sampling Date:	10/20/2021	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS: lost well cap down Manhole

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-25 (offsite)	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: Overcast, cool
Sounding Method: Heron Skinny Dipper WLI	Gauge Date: 10/20/21	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 3"	Gauge Time:	Well Diameter (in): 1"
	PID Headspace Reading: 0.9 ppm	

Purge Date: 10/20/21	Purge Time: 0905
Purge Method: Low Flow via Peristaltic Pump	Field Technician: DK

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0905	5.79	0.264	0.0	9.31	18.23	259		0.28	
0908	6.20	0.254	0.0	7.96	18.21	239			
0911	6.30	0.242	0.0	7.44	18.19	227			
0914	6.34	0.236	0.0	7.16	18.17	223			
0917	6.36	0.234	0.0	6.85	18.18	222			
0920	6.36	0.234	0.0	7.16	18.16	224			
0923	6.34	0.234	0.0	7.18	18.17	224			
0926	6.35	0.233	0.0	7.18	18.18	222			
0929									

Total Quantity of Water Removed (gal):		Sampling Time:	0926
Samplers:		Split Sample With:	~~DUP-102021~~ FD-01
Sampling Date:	10/12/21	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-10-PD (DUP-8 MEP PD)	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:**	**Weather:**
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** / **Gauge Time:**	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):**

Purge Date:	**Purge Time:** 0954
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:**

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft):	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0859	6.81	0.369	0.0	12.44	16.44	223	11.06		
0902	6.82	0.363	0.0	8.54	16.29	238	11.06	0.25	
0905	6.78	0.377	0.0	6.88	16.26	247	11.06		
0908	6.76	0.378	0.0	5.81	16.23	254	11.06		
0911	6.77	0.380	0.0	5.16	16.20	259	11.07		
0914	6.77	0.380	0.0	5.01	16.11	260	11.07		
0917	6.77	0.380	0.0	4.72	~~6~~ 6.1591	261	11.08		
0920	6.79	0.379	0.0	4.34	15.86	263	11.08		
0923	6.79	0.377	0.0	3.75	15.82	264	11.08		
0926	6.79	0.374	0.0	3.75	15.79	265	11.08		
0929	6.79	0.373	0.0	3.61	15.77	265	11.08		

Total Quantity of Water Removed (gal):		**Sampling Time:**	0929
Samplers:		**Split Sample With:**	
Sampling Date:		**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
DDC-10-PS	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY	Good	Sunny 60°F
Sounding Method:	**Gauge Date:** 10/19/2021	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):**

Purge Date:	Purge Time:
10/20/21	0906
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	M Gilkey/D. Kitt/E. Fenner

Well Volume

A. Well Depth (ft): 27.78	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0906	5.99	0.268	0.0	5.98	14.72	188	11.01	0.225	
0909	5.92	0.247	0.0	5.58	14.66	197	11.01	"	
0912	5.79	0.243	0.0	5.62	14.70	206	11.01	"	
0915	5.86	0.235	0.0	5.28	14.47	202	11.01	"	
0918	5.86	0.227	0.0	5.18	14.46	204	11.01	"	
0921	5.87	0.224	0.0	4.96	14.55	205	11.01	"	
0924	5.87	0.220	0.0	4.88	14.59	205	11.01	"	
0927	5.89	0.216	0.0	5.08	14.70	204	11.01	"	
0930	5.90	0.216	0.0	5.23	14.73	204	11.01	"	
0933	5.91	0.216	0.0	4.93	14.70	204	11.01	"	
0936	5.91	0.217	0.0	4.90	14.70	204	11.01	"	

Total Quantity of Water Removed (gal):		Sampling Time:	0936
Samplers:	M. Gilkey/D. Kitt	Split Sample With:	
Sampling Date:	10/20/2021	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2D (offsite)	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:**	**Weather:**
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/20/21	**Measurement Ref:** Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft): down 4"	**PID Headspace Reading:**	**Well Diameter (in):** 1"

Purge Date: 10/20/21	**Purge Time:** 0937
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** DK

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:** ~~0.98~~
B. Depth to Water (ft):	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0938	6.37	0.233	0.0	0.90	17.37	236			
0941	5.98	0.177	0.0	2.21	16.92	248			
0944	5.86	0.231	0.0	5.31	16.63	248			
0947	5.85	0.249	0.0	5.78	16.52	253			
0950	5.85	0.253	0.0	5.85	16.50	255			
0953	5.87	0.255	0.0	5.86	16.45	257			
0956	5.86	0.256	0.0	5.84	16.44	258			
0959	5.87	0.256	0.0	5.87	16.43	258			
~~0910~~ 1002	5.87	0.257	0.0	5.88	16.43	259			

Total Quantity of Water Removed (gal):		**Sampling Time:**	1002
Samplers:	DK	**Split Sample With:**	
Sampling Date:	10/20/21	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-8-PS	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** Sunny 60°F; breeze
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/2021	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):** 2"
	PID Headspace Reading:	

Purge Date: 10/20/2021	**Purge Time:** 10:05
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** M.Gilkey/D.Kite/E.Fenner

Well Volume

A. Well Depth (ft): 26.18	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 10.28	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
10:05	6.90	0.232	1.8	8.93	17.40	237	10.28	0.3	
10 08	6.86	0.223	1.1	6.80	17.87	235	10.28		
10 11	6.86	0.225	0.0	5.79	18.20	235	10.28		
1014	6.88	0.224	0.0	5.36	17.95	237	10.30		
1017	6.93	0.227	0.0	5.38	17.46	239	10.30		
10 20	6.94	0.231	0.0	5.25	17.36	240	10.27		
1023	6.95	0.232	0.0	5.16	17.26	242	10.25		
1026	6.92	0.231	0.0	5.08	17.24	245	10.25		
10 29	6.91	0.237	0.0	5.95	17.28	246	10.25		
10 32	6.88	0.239	0.0	5.66	17.57	247	10.27		
1035	6.88	0.240	0.0	5.62	17.60	247	10.27		
1038	6.87	0.240	0.0	5.55	17.63	247			

Total Quantity of Water Removed (gal):		**Sampling Time:**	10:38
Samplers:	M.Gilkey/D.Kite	**Split Sample With:**	
Sampling Date:	10/20/2021	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DK-8-PD	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather:
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	PID Headspace Reading:	Well Diameter (in):

Purge Date: 10/20/21	Purge Time: 1000
Purge Method: Low Flow via Peristaltic Pump	Field Technician:

Well Volume

A. Well Depth (ft): 84.36	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 10.38	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1008	5.62	0.255	0.0	5.79	16.03	202	10.38	0.20	
1011	5.50	0.247	0.0	4.30	15.65	218	10.38		
1014	5.40	0.246	0.0	4.36	15.60	222	10.40		
1017	5.41	0.240	0.0	5.56	15.49	220	10.40		
1020	5.45	0.239	0.0	5.39	15.45	230	10.40		
1023	5.56	0.239	0.0	4.31	15.57	228	10.40		
1026	5.46	0.237	0.0	4.39	15.76	227	10.40		
1029	5.43	0.237	0.0	4.27	15.73	223	10.40		
1032	5.49	0.237	0.0	4.36	15.79	233	10.40		
1035	5.49	0.233	0.0	4.39	16.09	223	10.40		
1038	5.46	0.237	0.0	4.43	16.15	230	10.40		

Total Quantity of Water Removed (gal):		Sampling Time:	1038
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
DDC-9-PD	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY	Good	Sunny, breezy
Sounding Method:	**Gauge Date:** 10/20/21	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):**
Down 1'	59.23	2"

Purge Date:	Purge Time:
10/20/21	
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	DK

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 11.70	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
~~0909~~ 1109	5.90	0.289	0.0	3.76	17.40	239	11.81	0.3	
~~0912~~ 1112	5.90	0.300	0.0	3.11	17.35	243	11.82		
1115	5.93	0.302	0.0	3.00	17.35	244	11.82		
1118	6.01	0.304	0.0	2.68	17.41	243	11.82		
1121	6.01	0.306	0.0	2.48	17.88	244	11.82		
1124	6.02	0.307	0.0	2.46	18.18	243	11.82		
1127	6.04	0.309	0.0	2.48	18.19	242	11.82		
1130	6.04	0.310	0.0	2.46	18.20	244	11.82		

Total Quantity of Water Removed (gal):		Sampling Time:	1130
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-9-~~PT~~PS	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather:
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time: PID Headspace Reading: 28.34	Well Diameter (in): 2

Purge Date:	Purge Time: 1103
Purge Method: Low Flow via Peristaltic Pump	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1105	5.79	0.227	0.0	6.35	17.57	196	11.59		
1108	5.79	0.221	0.0	5.68	17.02	204	11.60	0.25	
1111	5.88	0.208	0.0	5.30	16.99	201	~~12.62~~ 11.62		
1114	5.90	0.208	0.0	5.75	16.50	201	~~11.62~~		
1117	5.91	0.207	0.0	5.35	16.47	200	~~11.62~~		
1120	5.92	0.206	0.0	5.28	16.47	200	~~11.62~~		
1123	5.92	0.206	0.0	5.30	16.46	199	~~11.62~~		
1126	5.93	0.205	0.0	5.25	16.57	198	11.62		
1129	5.93	0.205	0.0	5.21	16.61	198	11.62		
1132	5.93	0.205	0.0	5.27	16.61	198	11.62		
1135	5.93	0.205	0.0	5.21	16.68	198	11.62		

Total Quantity of Water Removed (gal):		Sampling Time:	1135
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-15 (offsite)	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** Clear
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:**	**Measurement Ref:** Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 1

Purge Date: 10/20/21	**Purge Time:** 1208
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:**

Well Volume

A. Well Depth (ft): 21.80	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.20	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1209	5.79	0.158	0.0	10.59	16.07	140	7.24		
1212	5.52	0.184	0.0	5.04	15.84	185	7.24	0.20	
1215	5.48	0.191	0.0	4.78	15.64	192	7.24		
1218	5.48	0.204	0.0	4.24	15.79	197	7.24		
1221	5.50	0.210	0.0	3.88	15.65	206	7.24		
1224	5.50	0.214	0.0	3.69	15.65	214	7.24		
1227	5.51	0.219	0.0	3.51	15.60	214	7.24		
1230	5.51	0.222	0.0	3.40	15.64	217	7.24		
1233	5.54	0.223	0.0	3.21	15.62	216	7.24		
1236	5.55	0.225	0.0	3.32	15.57	217	7.24		
1239	5.57	0.229	0.0	3.15	15.48	218	7.24		

Total Quantity of Water Removed (gal):		**Sampling Time:**	1239
Samplers:		**Split Sample With:**	
Sampling Date:		**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-1D(offsite)	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY		Sunny 70°F; breeze
Sounding Method:	**Gauge Date:** 10/19/2021	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 1"

Purge Date:	Purge Time:
10/20/2021	1212
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	M. Gilkey / E. Fenner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1212	6.68	0.035	201	1.01	19.98	97	79.00	0.28	
1215	6.49	0.033	13.0	0.80	19.56	114			
1218	6.39	0.034	16.0	0.82	19.29	127			
1221	6.35	0.035	15.5	0.96	19.27	133			
1224	6.19	0.036	15.4	1.02	19.12	160	—		
1227	6.16	0.041	15.9	1.26	19.15	163			
1230	6.07	0.052	13.0	1.82	19.11	186			
1233	6.04	0.061	13.1	1.99	19.16	188			
1236	5.94	0.113	11.7	3.79	19.15	205	79.00		
1239	5.91	0.140	9.8	4.39	19.12	211			
1242	5.90	0.171	9.4	5.11	19.11	216			
1245	5.84	0.180	9.2	6.05	19.07	227			
1248	5.82	0.192	9.2	6.27	19.14	231			
1251	5.79	0.200	8.4	6.47	19.16	238			
1254	5.76	0.204	8.2	6.51	19.18	242			
1257	5.71	0.206	7.7	6.53	19.16	246			

Total Quantity of Water Removed (gal):		Sampling Time:	1300
Samplers:	M. Gilkey / D. Kite	Split Sample With:	MS/MSD
Sampling Date:	10/20/2021	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:
Water level Reads 79" w/ two different Meters

1300	5.72	0.207	7.4	6.49	19.16	247
1303						
1306						
1309						

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-2-PD	EA Personnel: ~~J. Marra, E. Thielman~~ DK	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: Sunny, breezy
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 1'	PID Headspace Reading:	Well Diameter (in): 2"

Purge Date: 10/20/21	Purge Time: 1330
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ~~J. Marra, E. Thielman~~ DK

Well Volume

A. Well Depth (ft): ~~12.74~~ 87.00	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 12.74	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:33	6.36	0.259	0.0	0.25	23.14	199	12.76	0.25	
1336	6.23	0.260	0.0	0.10	22.32	204	12.76		
1339	6.11	0.261	0.0	0.05	22.15	208	12.77		
1342	6.07	0.261	0.0	0.01	22.32	210	12.77		
1345	6.08	0.262	0.0	0.0	22.01	210	12.77		
1348	6.11	0.264	0.0	0.0	21.59	212	12.77		
1351	6.14	0.263	0.0	0.0	21.39	211	12.77		
1354	6.17	0.264	0.0	0.0	21.36	211	12.77		
1357	6.16	0.264	0.0	0.0	21.35	212	12.77		
1400									

Total Quantity of Water Removed (gal):		Sampling Time:	1357
Samplers:	DK	Split Sample With:	
Sampling Date:		Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-2-PS	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 75°F Sunny
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time: PID Headspace Reading:	Well Diameter (in): 2

Purge Date: 10/20/21	Purge Time: 1329
Purge Method: Low Flow via Peristaltic Pump	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 12.60	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1331	6.09	0.329	2.5	5.05	17.98	128	12.60	0.33	
1334	5.99	0.307	0.0	5.98	17.82	143	12.60		
1337	5.91	0.282	0.0	2.72	17.89	151	12.59		
1340	5.86	0.240	0.0	2.32	18.05	158	12.59		
1343	5.85	0.188	0.0	2.43	18.12	166	12.59		
1346	5.86	0.173	0.0	2.88	18.19	171	12.60		
1349	5.87	0.167	0.0	3.18	18.28	176	12.60		
1352	5.90	0.155	0.0	3.36	18.32	181	12.60		
1355	5.92	0.153	0.0	3.44	18.35	183	12.60		
1358	5.94	0.152	0.0	3.42	18.32	187	12.60		
1401	5.94	0.153	0.0	3.47	18.39	188			

Total Quantity of Water Removed (gal):	Sampling Time: 1401
Samplers:	Split Sample With:
Sampling Date:	Sample Type: GW Grab

COMMENTS AND OBSERVATIONS: Initial purge reddish brown and slightly muddy. Cleared up fairly quickly

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-33(Onsite)	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY	Good	Sunny 75°F; WNW 5 mph
Sounding Method:	**Gauge Date:** 10/19/2021	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 2"

Purge Date:	Purge Time:
10/20/2021	1338
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	M. Gulkey/D. Kite/E. Fenner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH ✓ (pH units)	Conductivity ✓ (mS/cm)	Turbidity (ntu)	DO ✓ (mg/L)	Temperature ✓ (°C)	ORP ✓ (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1336	6.07	0.276	9.2	5.78	23.59	219	13.33	0.28	
1341	6.14	0.294	1.4	5.08	21.89	223	13.33		
1344	6.14	0.305	0.8	4.75	21.96	224			
1347	6.14	0.310	0.0	4.68	21.91	224			
1350	6.15	0.312	0.0	4.52	21.93	224			
1353	6.15	0.313	0.0	4.35	22.02	223			
1356	6.17	0.319	0.0	4.28	22.07	224			
1359	6.17	0.320	0.0	4.33	21.90	224			
1402	6.17	0.322	0.0	4.22	21.94	226			
1405	6.17	0.324	0.0	4.10	21.93	227			
1408									

Total Quantity of Water Removed (gal):		Sampling Time:	1405
Samplers:	M. Gulkey/D. Kite	Split Sample With:	
Sampling Date:	10/20/2021	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-55	**EA Personnel:** DK, LBL, MG, HY, DH EF	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:**	**Weather:**
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/21	**Measurement Ref:** Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft): Down 4"	**PID Headspace Reading:**	**Well Diameter (in):**

Purge Date: 10/20/21	**Purge Time:** 1420
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** DK

Well Volume

A. Well Depth (ft): 27.24	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 13.82	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1424	6.86	0.166	29.6	0.02	23.67	-93	13.87	0.28	
1427	6.93	0.166	15.4	0.00	23.17	-103	13.87		
1430	6.96	0.166	11.1	0.00	22.97	-104	13.87		
1433	6.92	0.165	5.4	0.00	23.19	-93	13.87		
1436	6.92	0.165	5.3	0.00	23.23	-92	13.87		
1439	6.89	0.165	5.1	0.00	23.32	-87	13.88		
1442	6.81	0.160	10.7	0.00	23.33	-87	13.89		
1445	6.80	0.159	6.5	0.00	23.31	-86	13.89		
1448	6.79	0.161	3.4	0.00	23.35	-81	13.89		

Total Quantity of Water Removed (gal):		**Sampling Time:**	1448
Samplers:	DK	**Split Sample With:**	
Sampling Date:	10/20/21	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-5D	EA Personnel: DK, LBL, MG, HY, DH	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 75°F Sunny/Clear
Sounding Method: Heron Skinny Dipper WLI	Gauge Date: / Gauge Time:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	PID Headspace Reading:	Well Diameter (in): 2

Purge Date: 10/20/21	Purge Time: ~~1420~~ 1424
Purge Method: Low Flow via Peristaltic Pump	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 12.95	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1425	6.38	0.344	0.0	5.56	15.95	141	12.96	0.24	
1428	6.14	0.354	0.0	2.91	15.42	160	12.96		
1431	6.08	0.355	0.0	2.16	15.34	165	12.96		
1434	5.97	0.356	0.0	5.98	15.15	173	12.96		
1437	5.90	0.356	0.0	1.78	15.01	178	12.96		
1440	5.84	0.356	0.0	1.77	15.00	182	12.96		
1443	5.77	0.356	0.0	1.69	14.85	187	12.96		
1446	5.77	0.357	0.0	1.68	14.80	187	12.96		
1449	5.76	0.358	0.0	1.65	14.72	187	12.96		
1452	5.76	0.359	0.0	1.61	14.69	187	12.96		
1455	5.77	0.360	0.0	1.60	14.64	186	12.96		

Total Quantity of Water Removed (gal):		Sampling Time:	1455
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-30(onsite) 2nd page	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY	Good	
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):**

Purge Date:	Purge Time:
10/20/2021	1419
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	M. Gulkey

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
85.30		
B. Depth to Water (ft):	**E. Well Volume (gal) (C*D):**	**Pump Type:**
		Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
		NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1507	5.81	0.348	0.0	2.02	22.37	237			
1510	5.81	0.353	0.6	1.98	22.89	238			
1513	5.81	0.355	6.0	1.95	23.02	239			
1516	5.80	0.353	0.0	1.98	22.82	239			
1519									

Total Quantity of Water Removed (gal):		Sampling Time:	1516
Samplers:	M. Gulkey / D. Kite	Split Sample With:	
Sampling Date:	10/20/2021	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: * WLI issue would Ø need DTW but could purge w/ no issues

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-35 (Onsite)	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY	Good	Sunny 70°F; WNW 5 mph
Sounding Method:	**Gauge Date:** 10/19/2021	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 2"

Purge Date:	Purge Time:
10/20/2021	1419
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	M. Gilkey / D. Kite

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1419	6.21	0.345	6.0	2.25	23.06	211		0.25	
1422	6.23	0.309	0.0	1.47	23.41	211			
1425	6.07	0.250	0.6	1.43	23.35	223			
1428	6.02	0.226	0.0	1.53	23.32	227			
1431	5.99	0.221	0.0	1.73	23.05	228			
1434	5.93	0.247	0.0	2.00	24.44	228			
1437	5.89	0.236	0.0	1.67	22.39	229			
1440	5.87	0.257	0.0	1.83	22.41	229			
1443	5.85	0.273	0.0	1.98	22.23	230			
1446	5.84	0.281	0.0	2.05	22.20	230			
1449	5.84	0.296	0.0	2.10	22.18	231			
1452	5.83	0.317	0.0	2.14	22.21	233			
1455	5.83	0.332	0.0	2.13	21.99	235			
1458	5.83	0.335	0.0	2.13	21.99	235			
1501	5.82	0.343	0.0	2.12	21.96	236			
1504	5.82	0.352	0.0	2.05	22.58	237			

Total Quantity of Water Removed (gal):		Sampling Time:	
Samplers:	M. Gilkey / E. Fenner	Split Sample With:	
Sampling Date:	10/20/2021	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-65	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** Sunny, windy
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/15/20	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft): Down 4"	**Gauge Time:**	
	PID Headspace Reading:	**Well Diameter (in):** 2"

Purge Date: 10/20/21	**Purge Time:** 1516
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** DK

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 14.88	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1517	6.95	0.210	9.8	1.51	23.54	109	14.91	0.33	
1520	6.98	0.220	0.0	0.38	22.43	83	14.89		
1523	6.94	0.219	0.0	0.35	22.53	93	14.89		
1526	6.92	0.219	0.0	0.14	22.7	97	14.89		
1529	6.91	0.221	0.0	0.06	22.57	99	14.89		
1532	6.92	0.222	0.0	0.01	22.92	101	14.89		
1535	6.92	0.224	0.0	0.00	22.40	99	14.88		
1538	6.94	0.224	0.0	0.00	22.41	98	14.88		

Total Quantity of Water Removed (gal):		**Sampling Time:**	1538
Samplers:	DK	**Split Sample With:**	FD-2
Sampling Date:	10/20/21	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-27 (Grab)	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** 70°F Clear
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:**	**Measurement Ref:** Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):**

Purge Date: 10/20/21	**Purge Time:** 1523
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:**

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 14.85	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1525	6.24	0.331	0.0	9.22	16.82	157	14.81	0.39	
1528	~~5.87~~	0.332	0.0	4.60	15.13	188	14.87		
1531	5.76	0.333	0.0	4.05	14.94	195	14.87		
1534	5.72	0.335	0.0	4.03	14.84	202	14.87		
1537	5.69	0.337	0.0	~~3.85~~	14.75	208	14.87		
1540	5.68	0.339	0.0	3.74	14.69	212	14.87		
1543	5.65	0.352	0.0	3.41	14.53	215	14.87		
1546	5.64	0.358	0.0	3.08	14.51	218	14.87		
1549	5.62	0.363	0.0	2.85	14.44	219	14.87		
1552	5.62	0.364	0.0	2.78	14.41	221	14.87		
1555	5.55	0.365	0.0	2.72	14.39	226	14.87		

Total Quantity of Water Removed (gal):		**Sampling Time:**	1555
Samplers:		**Split Sample With:**	
Sampling Date:		**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-25 (onsite)	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** Sunny 75°F, WNW 5mph
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/2021	**Measurement Ref:** Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 2"

Purge Date: 10/20/2021	**Purge Time:** 1538
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** M. Oatley / D. Kite / E. Fennar

Well Volume

A. Well Depth (ft): 29.20	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 15.10	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1538	6.24	0.410	3.1	2.33	23.01	223	15.10	0.30	
1541	6.30	0.431	0.6	1.76	22.10	221	15.10		
1544	6.31	0.444	0.5	1.71	21.19	219	15.10		
1547	6.32	0.444	0.0	1.66	21.19	218	15.10		
1550	6.31	0.443	0.0	1.61	21.16	217	15.10		
1553	6.32	0.443	0.0	1.56	21.17	216	15.10		
1556	6.32	0.441	0.0	1.54	21.25	215	15.10		
1559	6.31	0.439	0.0	1.51	21.21	216	15.10		
1602	6.33	0.432	0.0	1.47	21.16	214	15.10		
1605	6.31	0.425	0.0	1.41	21.24	215			
1608	6.30	0.420	0.0	1.44	21.23	216	15.10		

Total Quantity of Water Removed (gal):	**Sampling Time:** 1608
Samplers:	**Split Sample With:**
Sampling Date:	**Sample Type:** GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2A	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good, no bolts	**Weather:** Sunny, warm
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/21	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft): down 3"	**Gauge Time:**	**Well Diameter (in):** 2"
	PID Headspace Reading:	

Purge Date: 10/20/21	**Purge Time:** 1556
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** DK

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:** ~~1556~~
B. Depth to Water (ft): 15.04	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1558	7.38	0.098	3.2	0.91	22.81	122	15.05	0.25	
1601	6.86	0.100	0.0	0.25	21.98	116	15.05		
1604	6.81	0.099	0.0	0.28	22.05	112	15.06		
1607	6.70	0.098	0.0	0.45	22.07	110	15.06		
1610	6.67	0.098	0.0	0.57	21.96	109	15.06		
1613	6.76	0.097	0.9	0.62	21.81	107	15.06		
1616	6.71	0.098	0.0	0.74	21.77	108	15.06		
1619	6.73	0.098	0.0	0.75	21.68	107	15.06		
1622	6.74	0.098	0.0	0.75	21.65	104	15.06		
1625	6.72	0.098	0.0	0.76	21.68	105	15.06		

Total Quantity of Water Removed (gal):		**Sampling Time:**	~~1506~~ 1625
Samplers:	DK	**Split Sample With:**	
Sampling Date:	10/20/21	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2AD	**EA Personnel:** DK, LBL, MG, HY, DH	**Client:** NYSDEC
Location: National Heatset Printing, Babylon, NY	**Well Condition:** Good	**Weather:** Sunny 75°F; breeze
Sounding Method: Heron Skinny Dipper WLI	**Gauge Date:** 10/19/2021	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):** 1"
	PID Headspace Reading:	

Purge Date: 10/20/2021	**Purge Time:** 1632
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** M.Gulkey/D.Kite/D.Howe

Well Volume

A. Well Depth (ft): 76.68	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 15.58	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1632	6.36	0.361	24.5	2.78	22.72	105	15.58	0.450	
1635	6.14	0.360	11.7	1.44	21.71	125	15.58	0.340	
1638	6.07	0.364	11.5	0.75	18.97	153	15.58	"	
1641	6.04	0.364	9.6	0.57	19.19	166	15.58	"	
1644	6.02	0.365	11.1	0.52	19.04	176	15.58	"	
1647	6.00	0.364	11.7	0.50	19.05	181	15.58	"	
1650	5.98	0.364	10.4	0.48	19.00	184	15.58	"	
1653	5.96	0.365	9.2	0.48	18.98	188	15.58	"	
1656	5.96	0.363	8.5	0.48	19.06	189	15.58	"	
1659	5.95	0.363	7.8	0.46	19.05	192	15.58	"	
1702	5.94	0.364	8.0	0.46	18.97	193	15.58	"	
1705	5.94	0.363	7.2	0.46	18.93	195	15.58	"	

Total Quantity of Water Removed (gal):		**Sampling Time:**	1705
Samplers:	M.Gulkey/D.Kite	**Split Sample With:**	
Sampling Date:	10/20/2021	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-150	EA Personnel: J. Marra, E. Thielman	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Casing (10) 4 filled with debris	Weather: 59°F Clear
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time: PID Headspace Reading:	Well Diameter (in): 1

Purge Date: 10/21/21	Purge Time: 0917
Purge Method: Low Flow via Peristaltic Pump	Field Technician: J. Marra, E. Thielman

Well Volume

A. Well Depth (ft): 36.0	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 15.6	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0820	5.68	0.117	0.0	0.97	16.58	161	15.6	0.21	
0823	6.30	0.142	0.0	4.89	16.64	164	15.6		
0826	6.35	0.146	0.0	5.76	16.50	179	15.6		
0829	6.34	0.147	0.0	5.85	16.38	188	15.6		
0832	6.34	0.147	0.0	5.68	16.32	195	15.6		
0835	6.32	0.147	0.0	5.56	16.27	196	15.6		
0838	6.21	0.147	0.0	5.55	16.25	202	15.6		
0841	6.20	0.147	0.0	5.56	16.27	204	15.6		
0844	6.20	0.147	0.0	5.56	16.22	207	15.6		
0847	6.18	0.147	0.0	5.54	16.20	211	15.6		

Total Quantity of Water Removed (gal):	Sampling Time: 0847
Samplers:	Split Sample With:
Sampling Date:	Sample Type: GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-15 (onsite)	EA Personnel: ~~J. Marra, E. Thielman~~ DK	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: Sunny, Warm
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): down 6"	Gauge Time:	Well Diameter (in): 2"
	PID Headspace Reading:	

Purge Date: 10/21/21	Purge Time: 0823
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ~~J. Marra, E. Thielman~~ DK

Well Volume

A. Well Depth (ft): 30.65	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 14.55	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0824	5.54	0.382	0.0	6.26	15.53	266	14.56	0.35	
0827	5.80	0.355	0.0	6.07	15.24	249	14.56		
0830	5.93	0.348	0.0	5.93	15.10	238	14.56		
0833	6.01	0.345	0.0	5.91	15.06	236	14.57		
0836	6.06	0.341	0.0	5.95	15.01	234	14.57		
0839	6.09	0.343	0.0	6.05	15.11	232	14.57		
0842	6.15	0.341	0.0	5.98	15.15	229	14.57		
0845	6.17	0.340	0.0	5.99	15.20	229	14.57		
0848	6.18	0.340	0.0	5.98	15.21	229	14.57		

Total Quantity of Water Removed (gal):		Sampling Time:	0848
Samplers:	DK	Split Sample With:	
Sampling Date:	10/21/21	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-14D	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY	Good	Sunny 60°F
Sounding Method:	**Gauge Date:** 10/19/2021	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 1"

Purge Date:	Purge Time:
10/21/2021	0833
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	M. Gilkey/D. Kutz/E. Fenner

Well Volume

A. Well Depth (ft): 77.27	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 14.50	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0833	5.78	0.121	3.6	0.78	17.28	114	14.50	0.35	
0836	5.81	0.136	20.5	0.56	16.86	101	14.52	1	
0839	5.75	0.266	48.1	2.98	16.67	133	14.57		
0842	5.70	0.293	15.0	4.10	16.65	162	14.50	0.28	
0845	5.66	0.298	3.7	4.35	16.87	178	14.50		
0848	5.66	0.300	3.0	4.35	16.94	183	14.48		
0851	5.66	0.301	0.1	4.36	17.02	186	14.48		
0854	5.62	0.304	0.0	4.48	17.05	192	14.48		
0857	5.60	0.305	0.0	4.51	17.09	195	14.48		
0900	5.64	0.306	0.0	4.67	17.14	200	14.48		
0903	5.66	0.307	0.0	4.55	17.21	205	14.48		

Total Quantity of Water Removed (gal):		Sampling Time:	0903
Samplers:	M. Gilkey/D. Kutz	Split Sample With:	
Sampling Date:	10/21/2021	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1D (onsite)	EA Personnel: ~~J. Marra, E. Thielman~~ DK	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: Sunny, Warm
Sounding Method: Heron Skinny Dipper WLI	Gauge Date: 10/19/21	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 6"	Gauge Time: PID Headspace Reading:	Well Diameter (in): 2"

Purge Date: 10/21/21	Purge Time: 0856
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ~~L. Marra, E. Thielman~~ DK

Well Volume

A. Well Depth (ft): 14.72	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 83.42	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0858	6.24	0.357	0.0	2.62	15.65	141	14.73	0.3	
0901	5.96	0.354	0.0	2.62	15.49	153			
0904	5.82	0.357	0.0	2.66	15.51	177			
0907	5.79	0.357	0.0	2.68	15.54	183			
0910	5.77	0.357	0.0	2.70	15.55	189			
0913	5.76	0.356	0.0	2.72	15.53	189			
0916	5.74	0.356	0.0	2.75	15.49	188			
0919	5.74	0.355	0.0	2.76	15.5	189			
0922	5.73	0.355	0.0	2.77	15.5	190			

Total Quantity of Water Removed (gal):		Sampling Time:	0922
Samplers:	DK	Split Sample With:	
Sampling Date:	10/21/21	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-15S	EA Personnel: J. Marra, E. Thielman	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Casing filled w/sediment & debris	Weather: 61°F Clear
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in): 1
	PID Headspace Reading:	

Purge Date: 10/21/21	Purge Time: 0910
Purge Method: Low Flow via Peristaltic Pump	Field Technician: J. Marra, E. Thielman

Well Volume

A. Well Depth (ft): 27.43	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 14.53	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0912	6.41	0.240	0.0	5.59	17.81	202	14.53	0.23	
0915	6.39	0.244	0.0	5.10	18.08	209	14.53		
0918	6.38	0.250	0.0	6.40	18.17	218	14.53		
0921	6.38	0.250	0.0	7.02	18.17	216	14.52		
0924	6.38	0.250	0.0	4.77	18.17	219	14.52		
0927	6.38	0.251	0.0	4.66	18.16	221	14.52		
0930	6.38	0.251	0.0	4.65	18.16	222	14.52		
0933	6.38	0.252	0.0	4.69	18.15	223	14.52		
0936	6.38	0.252	0.0	4.59	18.17	224	14.52		
0939	6.38	0.252	0.0	4.63	18.17	225	14.52		

Total Quantity of Water Removed (gal):	Sampling Time: 0939
Samplers:	Split Sample With:
Sampling Date:	Sample Type: GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-145	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY	Good	Sunny 65°F
Sounding Method:	**Gauge Date:** 10/19/2021	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 1"

Purge Date:	Purge Time:
10/21/2021	0911
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	~~[illegible]~~ M. Gilkey/D. Kite/E. Fenner

Well Volume

A. Well Depth (ft): 26.38	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 14.18	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0911	5.91	0.311	36.2	8.63	17.94	186	14.18	0.30	
0914	6.07	0.319	0.0	9.33	17.72	194	14.18	|	
0917	6.11	0.317	0.0	9.26	17.83	198	14.18	|	
0920	6.12	0.316	0.0	9.36	17.91	203	14.18	|	
0923	6.12	0.316	0.0	9.37	17.94	205	14.18	|	
0926	6.14	0.315	0.0	9.34	17.94	206	14.18	|	
0929	6.17	0.315	0.0	9.39	17.96	207	14.21	|	
0932	6.20	0.314	0.0	9.37	17.97	209	14.18	|	
0935	6.20	0.314	0.0	9.40	17.99	209	14.18	|	
0938	6.23	0.314	0.0	9.43	17.99	210	14.18	|	
0941	6.23	0.314	0.0	9.42	17.97	211	14.18	|	

Total Quantity of Water Removed (gal):		Sampling Time:	0941
Samplers:	M Gilkey/D.Kite	Split Sample With:	
Sampling Date:	10/21/2021	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DUP-4-PD	EA Personnel: ~~J. Marra, E. Thielman~~ DK	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: Sunny, warm
Sounding Method: Heron Skinny Dipper WLI	Gauge Date: 10/19/21	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 1.5"	Gauge Time:	Well Diameter (in): 2"
	PID Headspace Reading:	

Purge Date: 10/21/21	Purge Time: 0946
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ~~J. Marra, E. Thielman~~ DK

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0947	6.08	0.129	0.0	6.08	15.23	191		0.35	
0950	5.81	0.125	0.0	5.80	14.59	209	13.71'		
0953	5.66	0.122	0.0	5.66	14.26	219			
0956	5.62	0.122	0.0	5.62	14.31	222			
0959	5.50	0.121	0.0	5.81	14.32	230			
1002	5.48	0.120	0.0	5.82	14.25	236			
1005	5.42	0.120	0.0	5.84	14.24	242			
1008	5.40	0.120	0.0	5.82	14.19	243			
1011	5.38	0.119	0.0	5.83	14.18	245			
1014	5.37	0.119	0.0	5.85	14.17	244			

Total Quantity of Water Removed (gal):		Sampling Time:	1014
Samplers:	DK	Split Sample With:	
Sampling Date:	10/21/21	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: System running, dtw hard to pin down

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-10-PD	EA Personnel: J. Marra, E. Thielman	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition:	Weather:
Sounding Method: Heron Skinny Dipper WLI	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):
	PID Headspace Reading: 29	

Purge Date: 1/27/21	Purge Time:
Purge Method: Low Flow via Peristaltic Pump	Field Technician: J. Marra, E. Thielman

Well Volume

A. Well Depth (ft): 80.52	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 8.68	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1149	6.04	0.317	0.0	9.77	10.49	211	10.45	0.3	
1152	5.96	0.323	0.0	5.80	10.67	211	10.55		
1155	5.80	0.324	0.0	5.82	10.88	209	9.33	0.3	
1158	5.75	0.321	0.0	5.84	11.07	208	8.38		
1201	5.73	0.321	0.0	5.81	11.10	208	8.81		
1204	5.77	0.321	0.0	5.80	11.11	207	8.93		

Total Quantity of Water Removed (gal): _____ Sampling Time: 1204
Samplers: _____ Split Sample With: _____
Sampling Date: _____ Sample Type: GW Grab

COMMENTS AND OBSERVATIONS: _____

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
DDC-4-PS	DK, LBL, MG, HY, DH	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing, Babylon, NY	Good/No Well Cap	Sunny 68°F
Sounding Method:	**Gauge Date:** 10/19/2021	**Measurement Ref:**
Heron Skinny Dipper WLI	**Gauge Time:**	Top of Casing (TOC)
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 2"

Purge Date:	Purge Time:
10/21/2021	1006
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	M.Gilkey/D.Kite/E.Fenner

Well Volume

A. Well Depth (ft): 25.82	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 5.21	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1000	6.46	0.325	38.2	10.40	17.24	196	5.21	0.30	
1003	6.52	0.350	0.0	10.83	16.19	209	5.63		
1006	6.53	0.350	0.0	10.66	16.07	215	7.20		
1009	6.56	0.350	0.0	10.53	16.07	219	5.75		
1012	6.56	0.349	0.0	10.05	16.49	222	5.92		
1015	6.56	0.349	0.0	9.98	16.56	223	5.72		
1018	6.55	0.345	0.0	9.97	16.91	226	5.80		
1021	6.56	0.344	0.0	9.95	16.90	227	5.76		
1024	6.55	0.342	0.0	9.51	17.08	229	5.78		
1027	6.54	0.341	0.0	9.47	17.09	231	5.75		
1030	6.54	0.341	0.0	9.46	17.13	232	5.78		

Total Quantity of Water Removed (gal):		Sampling Time:	1030
Samplers:	M.Gilkey/D.Kite	Split Sample With:	
Sampling Date:	10/21/2021	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: DDC system on during (NA) ~~Purging~~ ~~Sampling~~ collecting DTW

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION	
DATE:	10/27/21
TIME:	0743
METER ID:	048947

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.19	3.94

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.55	4.45

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	7.5	0.0

COMMENTS

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION	
DATE:	10/19/21
TIME:	13:50
METER ID:	48947

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.34	3.98

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.76	4.39

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	3.1	0.0

COMMENTS

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION	
DATE:	10/21/21
TIME:	0740
METER ID:	18775

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	5.71	3.98

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	2.96	4.42

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.0	0.0

COMMENTS

SIGNATURE

National Heatset Printing

1 Adams Boulevard, Farmingdale, New York

EA Engineering

Personnel: D. Howe
Weather: 70°, Sunny

Time: 1323
Date: 10/20/2021

System Status:
Arrival: Running
Departure: Running
Run Timer Reading: 56544.17

System Data:
Dilution Valve: % Open
Well Legs Running (circle): (1) 2 3 (4) (5)

Blower Inlet (Extraction Well)			Blower Outlet / Carbon Influent			Mid			SVE Effluent		
Flow:	**	CFM	Flow:	92.91	CFM	Flow:	1166.9	CFM	Flow:	85.09	CFM
Vacuum:	61	"H2O	PID Reading:	524	PPB	PID Reading:	249	PPB	PID Reading:	0	PPB
Temperature:	168	°F	Temperature:	148.4	°F	Temperature:	136.7	°F	Temperature:	121.3	°F

Carbon Monitoring:
Pre: 524 PPB
Mid: 249 PPB
Effluent: 0 PPB

Carbon influent & effluent sample collected & shipped to lab? Yes

Knockout Tank Drained? No
Gallons:

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-G	MW-E	VP-1	VP-2	VP-3	VP-3 (Former)	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
PID (ppb)			0		0	0	0	0		0	0	*	0		
Diff. Pressure (in. H2O)			-0.003		-.114	0.013	-.397	-.293		-.141	-.145	*	-.280		

Well/V.P. ID:	VP-16	VP-17	VP-18	VP-19	VP-20
PID (ppb)	0	20	0	*	102
Diff. Pressure (in. H2O)	-.083	-.076	-.621	*	-.056

Comments: * Well covered by pallets.
** Reading not within range of meter

SVE Blower Hours:	56544.17
Date:	10/20/2021
Time:	1323

Well ID	Flow	PID
5	*	0
4	220.51	3
3	177.21	0
2	157.19	1662
1	*	1576
Combined Influent		
Combined Effluent		

* Reading outside of Velocicalc range.

O&M DATA SHEET - NATIONAL HEATSET - ON-SITE SYSTEM #1

Date: 10/20/2021 Time: 1235 Weather: Sunny, 70°

Treatment System #1 Status on Arrival: Up / Down / (OFF)

Alarm Light Status on Arrival: ON / (OFF) Alarm Light Reset on Arrival: YES / (NO)

SYSTEM OPERATING DATA

ID	Hours	Blower Speed
Hours	49954.1	0 Hz

Temperature Monitoring

Time	Location	TI-ID	Tempurature deg. C	Temperature deg. F	Comments
1240	Extracted From Well	TI-01			DDC-1
1240	Extracted From Well	TI-02			DDC-2
1241	Pre-Heater Outlet	TI-03			Post Shell and Tubing
1241	Pre-Heater Input	TI-04			Before Shell and Tubing
1242	After Cooler Outlet	TI-05			Post Cooler Reading
1242	After Cooler Input	TI-06			Before Cooler Reading
1243	Blower Outlet	TI-07			Going to Pre-heater
1243	Between GAC Units	TI-08			After GAC #1
1244	GAC Unit Output	TI-09			After GAC #2

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
1250	Discharge to Well	PI-01		DDC-1
1250	Discharge to Well	PI-02		DDC-2
1250	Drum	PI-03	in. H2O	Vacuum Reading to Blower

FLOW RATES

Time	Location	IF-ID	Flow (SCFM)	Comments
1240	Extracted From DDC-1	FI-01		
1240	Extracted From DDC-2	FI-02		

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1250	Influent			
1250	Between Vessels			
1251	Effluent			

System Observations

Water Column in DDC Wells

Well ID	Comments
DDC-1	Bubbling in well is sufficient
DDC-2	Bubbling in well is sufficient

Sump Iuspection

Well ID	Comments
DDC-1	No sump associated with well
DDC-2	No water observed in sump

Additional Comments/Reccommendations

System remains OFF
Re-sealed KO Tank.
Attached cover to electrical box.

O&M DATA SHEET - NATIONAL HEATSET - ON-SITE SYSTEM #2

Date: 10-20-2021 Time: 1438 Weather: 76°, Sunny

Treatment System #2 Status on Arrival: UP / Down / Off

Alarm Light Status on Arrival: ON / (OFF) Alarm Light Reset on Arrival: YES / (NO)

SYSTEM OPERATING DATA

ID	Hours	Blower Speed
Hours	66887.0	35.2

Temperature Monitoring

Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
1020	Carbon Unit Inlet	CA01	33		Carbon Unit #1
1020	Pre-Heater	PHA01		100	After Shell and Tubing
1020	Blower Panel	B01	85		Exiting Blower
1020	After Cooler Outlet	AC01		128	Post Cooler Piping
1020	Pre-Heater	PHB01		150	Before Shell and Tubing

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
1020	Knock-Out Tank	T01	0	Vacuum gauge on knock-out tank
1020	Carbon-Unit #1 Outlet	CA1	-3 in. Hg	Vacuum exiting GAC #1
1020	Discharge to Wells	WD2	3.1 PSI	Pressure before splicing off to both wells
1020	Blower Panel	BP01	-0.12 in. Hg	Vacuum coming off of blower
1020	Carbon Unit #2 Outlet	CA2	-2.5 in. Hg	Vacuum exiting GAC #2
1020	DDC-3	N/A	PSI	Pressure gauge on well head
1020	DDC-4	N/A	PSI	Pressure gauge on well head

FLOW RATES

Time	Location	IF-ID	Flow (SCFM)	Comments
1042	Injected to DDC-3	WD01	200	
1342	Injection to DDC-4	WD02	40	

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1050	Influent #1	3487		
1050	Influent #2	609		
1050	Effluent	0		

System Observations

Water Column in DDC Wells

Well ID	Comments
DDC-3	Bubbling in well is sufficient
DDC-4	Bubbling in well is sufficient

Sump Inspection

Well ID	Comments
DDC-3	No water pooled in well
DDC-4	No water pooled in well

Additional Comments/Reccommendations

0830 System OFF upon arrival. Emptied KO Tank.
0954 Restarted system.

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 10/20/2021 Time: 1500 Weather: Sunny, 75°

B-501 Status on Arrival: Up / Down / (OFF) B-502 Status on Arrival: UP / Down / (Off)

Alarm Light Status on Arrival: ON / (OFF) Alarm Light Reset on Arrival: YES / (NO)

SYSTEM OPERATING DATA

ID	B-501	TP-211	B-502	TP-212	B-503	TP-213	Time
Hours							12:55
VI-501			IWC	VI-502			IWC
SP-501			ppb / ppm	SP-502			ppb / ppm
TI-501			°F	TI-502			°F
VI-501A			IWC	VI-502A			IWC

INJECTION& EXTRACTION MANIFOLD OPERATING DATA

Well ID	4" - INJECTION		6" - EXTRACTION		
	Temp (°F)	Pressure (PSI)	Temp (°F)	Flow (CFM)	VOCs (ppb or ppm)
DDC-05					
DDC-10					
DDC-09					
DDC-08					
DDC-07					
DDC-06					

DDC WELLHEAD OPERATING DATA

WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMENTS	MW ID	DTW (FT)
DDC-05				Good bubbling	MW-1D	N/A
DDC-10				Good Bubbling	MW-1S	N/A
DDC-09				Good bubbling	MW-2D	N/A
DDC-08				Good bubbling	MW-2S	N/A
DDC-07				Good bubbling	MW-3D	N/A
DDC-06				Good bubbling	MW-3S	N/A

AIR SAMPLING DATA

B-501			B-502		
Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)	Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)
Influent	SP-401B		Influent	SP-402B	
Intermediate #1	SP-403B		Intermedia	SP-403A	
Intermediate #2	SP-401A		Intermedia	SP-402A	
Effluent	SP-501		Effluent	SP-502	

CHILLER	
Set Temp. (°F)	NA
Actual Temp. (°F)	NA
Pump Pressure (PSI)	NA
Freon High Pres. (PSI)	NA
Freon Low Pres. (PSI)	NA

TECHNICIAN COMMENTS/NOTES:

System OFF pending PLC Repairs.

National Heatset Printing

1 Adams Boulevard, Farmingdale, New York

EA Engineering

Personnel: D. Howe
Weather: Sunny, 57°

Time: 0814
Date: 11/18/2021

System Status:
Arrival: Running
Departure: Running
Run Timer Reading: 57236.03

System Data:
Dilution Valve: ____ % Open
Well Legs Running (circle) (1) 2 3 (4) (5)

Blower Inlet (Extraction Well)			Blower Outlet / Carbon Influent			Mid			SVE Effluent		
Flow:	*	CFM	Flow:	164.68	CFM	Flow:	204.00	CFM	Flow:	204.60	CFM
Vacuum:	60	"H2O	PID Reading:	618	PPB	PID Reading:	115	PPB	PID Reading:	0	PPB
Temperature:	83.1	°F	Temperature:	178.3	°F	Temperature:	129.3	°F	Temperature:	116.8	°F

Carbon Monitoring:
Pre: 618 PPB
Mid: 115 PPB
Effluent: 0 PPB

Carbon influent & effluent sample collected & shipped to lab? ~~Yes~~ NO

Knockout Tank Drained? NO
Gallons: 0

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-G	MW-E	VP-1	VP-2	VP-3	VP-3 (Former)	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
PID (ppb)			0		0	0	0	0		0	0	15	13		
Diff. Pressure (in. H2O)			0.012		-.177	-.003	-.452	-.209		-.176	-.115	-.224	-.260		

Well/V.P. ID:	VP-16	VP-17	VP-18	VP-19	VP-20
PID (ppb)	0	50	0	**	126
Diff. Pressure (in. H2O)	-.056	-.157	-.523	**	-.425

Comments: * Reading not within range of Velocicalc.
** Vapor point covered by pallet.

SVE Blower Hours:		57236.03
Date:		11/18/2021
Time:		0814
Well ID	**Flow**	**PID**
5	*	0
4	*	0
3	*	0
2	*	1852
1	*	1686
Combined Influent		
Combined Effluent		

* Reading not within range of Veloci Calc.

O&M DATA SHEET - NATIONAL HEATSET - ON-SITE SYSTEM #1

Date: 11/18/2021 Time: 0758 Weather: 58°, Sunny

Treatment System #1 Status on Arrival: Up / Down / (OFF)

Alarm Light Status on Arrival: ON / (OFF) Alarm Light Reset on Arrival: YES / (NO)

SYSTEM OPERATING DATA

ID	Hours	Blower Speed
Hours	49954.1	Hz

Temperature Monitoring

Time	Location	TI-ID	Tempurature deg. C	Temperature deg. F	Comments
1240	Extracted From Well	TI-01			DDC-1
1240	Extracted From Well	TI-02			DDC-2
1241	Pre-Heater Outlet	TI-03			Post Shell and Tubing
1241	Pre-Heater Input	TI-04			Before Shell and Tubing
1242	After Cooler Outlet	TI-05			Post Cooler Reading
1242	After Cooler Input	TI-06			Before Cooler Reading
1243	Blower Outlet	TI-07			Going to Pre-heater
1243	Between GAC Units	TI-08			After GAC #1
1244	GAC Unit Output	TI-09			After GAC #2

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
1250	Discharge to Well	PI-01		DDC-1
1250	Discharge to Well	PI-02		DDC-2
1250	Drum	PI-03	in. H2O	Vacuum Reading to Blower

FLOW RATES

Time	Location	IF-ID	Flow (SCFM)	Comments
1240	Extracted From DDC-1	FI-01		
1240	Extracted From DDC-2	FI-02		

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1250	Influent			
1250	Between Vessels			
1251	Effluent			

System Observations

Water Column in DDC Wells

Well ID	Comments
DDC-1	Bubbling in well is sufficient
DDC-2	Bubbling in well is sufficient

Sump Inspection

Well ID	Commeuts
DDC-1	No sump associated with well
DDC-2	No water observed in sump

Additioual Comments/Reccommendations

System remains OFF.

O&M DATA SHEET - NATIONAL HEATSET - ON-SITE SYSTEM #2

Date: 11/18/2021 Time: 0751 Weather: 58°, Sunny

Treatment System #2 Status on Arrival: UP / (Down) / Off

Alarm Light Status on Arrival: (ON) / OFF Alarm Light Reset on Arrival: (YES) / NO

SYSTEM OPERATING DATA

ID	Hours	Blower Speed
Hours	67048.4	0

Temperature Monitoring

Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
1020	Carbon Unit Inlet	CA01			Carbon Unit #1
1020	Pre-Heater	PHA01			After Shell and Tubing
1020	Blower Panel	B01			Exiting Blower
1020	After Cooler Outlet	AC01			Post Cooler Piping
1020	Pre-Heater	PHB01			Before Shell and Tubing

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
1020	Knock-Out Tank	T01	0	Vacuum gauge on knock-out tank
1020	Carbon-Unit #1 Outlet	CA1	in. Hg	Vacuum exiting GAC #1
1020	Discharge to Wells	WD2	PSI	Pressure before splicing off to both wells
1020	Blower Panel	BP01	in. Hg	Vacuum coming off of blower
1020	Carbon Unit #2 Outlet	CA2	in. Hg	Vacuum exiting GAC #2
1020	DDC-3	N/A	PSI	Pressure gauge on well head
1020	DDC-4	N/A	PSI	Pressure gauge on well head

FLOW RATES

Time	Location	IF-ID	Flow (SCFM)	Comments
1042	Injected to DDC-3	WD01		
1342	Injection to DDC-4	WD02		

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1050	Influent #1			
1050	Influent #2			
1050	Effluent			

System Observations

Water Column in DDC Wells

Well ID	Comments
DDC-3	Bubbling in well is sufficient
DDC-4	Bubbling in well is sufficient

Sump Inspection

Well ID	Comments
DDC-3	No water pooled in well
DDC-4	No water pooled in well

Additional Comments/Reccommendations

System shut down upon arrival for High Level KO Tank alarm.
HOA switch for KO pump is broken, unable to drain KO tank.
System is left OFF.

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 11/18/2021 Time: 1000 Weather: 61°, Sunny

B-501 Status on Arrival: Up / Down / OFF B-502 Status on Arrival: UP / Down / Off

Alarm Light Status on Arrival: ON / OFF Alarm Light Reset on Arrival: YES / NO

SYSTEM OPERATING DATA

ID	B-501	TP-211	B-502	TP-212	B-503	TP-213	Time
Hours	33831.4	4.2	35551.1	41.4	0	0	~~12:55~~ 1000
VI-501			IWC	VI-502			IWC
SP-501			ppb / ppm	SP-502			ppb / ppm
TI-501			°F	TI-502			°F
VI-501A			IWC	VI-502A			IWC

INJECTION& EXTRACTION MANIFOLD OPERATING DATA

Well ID	4" - INJECTION		6" - EXTRACTION		
	Temp (°F)	Pressure (PSI)	Temp (°F)	Flow (CFM)	VOCs (ppb or ppm)
DDC-05					
DDC-10					
DDC-09					
DDC-08					
DDC-07					
DDC-06					

DDC WELLHEAD OPERATING DATA

WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMENTS	MW ID	DTW (FT)
DDC-05				Good bubbling	MW-1D	N/A
DDC-10				Good Bubbling	MW-1S	N/A
DDC-09				Good bubbling	MW-2D	N/A
DDC-08				Good bubbling	MW-2S	N/A
DDC-07				Good bubbling	MW-3D	N/A
DDC-06				Good bubbling	MW-3S	N/A

AIR SAMPLING DATA

B-501			B-502		
Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)	Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)
Influent	SP-401B		Influent	SP-402B	
Intermediate #1	SP-403B		Intermedia	SP-403A	
Intermediate #2	SP-401A		Intermedia	SP-402A	
Effluent	SP-501		Effluent	SP-502	

CHILLER	
Set Temp. (°F)	NA
Actual Temp. (°F)	NA
Pump Pressure (PSI)	NA
Freon High Pres. (PSI)	NA
Freon Low Pres. (PSI)	NA

TECHNICIAN COMMENTS/NOTES:

System remains OFF pending PLC Repairs.

11/18/2021

Heatset O&M Well Gauging		
Onsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	14.15	30.80
MW-1D	**	**
Offsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	7.13	21.73
MW-1D	7.54	84.80
DDC-5S	12.34	29.82
DDC-5D	12.45	81.46
DDC-6S	8.05	29.30
DDC-6D	8.21	80.38
DDC-7S	9.18	27.59
DDC-7D	9.20	81.25
DDC-8S	6.75	26.40
DDC-8D	12.43	84.30
DDC-9S	8.96	28.62
DDC-9D	11.63	81.58
DDC-10S	*	*
DDC-10D	*	*

* Well covered by vehicle

** Well covered by full dumpster.

National Heatset Printing

1 Adams Boulevard, Farmingdale, New York

EA Engineering

Personnel: D. Howe
Weather: Sunny, 51°

Time: 1207
Date: 12/14/2021

System Status:
Arrival: Running
Departure: Running
Run Timer Reading: 57863.23

System Data:
Dilution Valve: % Open
Well Legs Running (circle): (1) (2) (3) (4) (5)

Blower Inlet (Extraction Well)			Blower Outlet / Carbon Influent			Mid			SVE Effluent		
Flow:	*	CFM	Flow:	194.89	CFM	Flow:	191.13	CFM	Flow:	179.81	CFM
Vacuum:	51	"H2O	PID Reading:	770	PPB	PID Reading:	412	PPB	PID Reading:	0	PPB
Temperature:	69.3	°F	Temperature:	137.7	°F	Temperature:	126.5	°F	Temperature:	112.8	°F

Carbon Monitoring:
Pre: 770 PPB
Mid: 412 PPB
Effluent: 0 PPB

Carbon influent & effluent sample collected & shipped to lab? ~~Yes~~ NO

Knockout Tank Drained? Yes
Gallons: ¼ Full

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-G	MW-E	VP-1	VP-2	VP-3	VP-3 (Former)	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
PID (ppb)			0		0	0	**	35		5	15	**	3		
Diff. Pressure (in. H2O)			-.107		-.303	-.026	**	-.966		-.639	-.493	**	-.224		

Well/V.P. ID:	VP-16	VP-17	VP-18	VP-19	VP-20
PID (ppb)	***	0	0	49	5
Diff. Pressure (in. H2O)	***	-.155	-1.115	-1.003	-.280

Comments: * Flow outside range of VelociCalc.
** Vapor point covered by pallet
*** Vapor point covered by pallet jack.

SVE Blower Hours:	57863.23
Date:	12/14/2021
Time:	1202

Well ID	Flow	PID
5	95.78	8
4	108.90	102
3	123.53	30
2	189.95	1179
1	94.07	584
Combined Influent		
Combined Effluent		

O&M DATA SHEET - NATIONAL HEATSET - ON-SITE SYSTEM #1

Date: 12/14/2021 Time: 1310 Weather: Sunny, 52°

Treatment System #1 Status on Arrival: Up / Down / (OFF)

Alarm Light Status on Arrival: ON / (OFF) Alarm Light Reset on Arrival: YES / (NO)

SYSTEM OPERATING DATA

ID	Hours	Blower Speed
Hours	49954.1	Hz

Temperature Monitoring

Time	Location	TI-ID	Tempurature deg. C	Temperature deg. F	Comments
1240	Extracted From Well	TI-01			DDC-1
1240	Extracted From Well	TI-02			DDC-2
1241	Pre-Heater Outlet	TI-03			Post Shell and Tubing
1241	Pre-Heater Input	TI-04			Before Shell and Tubing
1242	After Cooler Outlet	TI-05			Post Cooler Reading
1242	After Cooler Input	TI-06			Before Cooler Reading
1243	Blower Outlet	TI-07			Going to Pre-heater
1243	Between GAC Units	TI-08			After GAC #1
1244	GAC Unit Output	TI-09			After GAC #2

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
1250	Discharge to Well	PI-01		DDC-1
1250	Discharge to Well	PI-02		DDC-2
1250	Drum	PI-03	in. H2O	Vacuum Reading to Blower

FLOW RATES

Time	Location	IF-ID	Flow (SCFM)	Comments
1240	Extracted From DDC-1	FI-01		
1240	Extracted From DDC-2	FI-02		

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1250	Influent			
1250	Between Vessels			
1251	Effluent			

System Observations

Water Column in DDC Wells

Well ID	Comments
DDC-1	Bubbling in well is sufficient
DDC-2	Bubbling in well is sufficient

Sump Inspection

Well ID	Comments
DDC-1	No sump associated with well
DDC-2	No water observed in sump

Additional Comments/Reccommendations

System OFF

O&M DATA SHEET - NATIONAL HEATSET - ON-SITE SYSTEM #2

Date: 12/14/2021 Time: 1300 Weather: Sunny, 52°

Treatment System #2 Status on Arrival: UP / Down / (Off)

Alarm Light Status on Arrival: ON / (OFF) Alarm Light Reset on Arrival: YES / (NO)

SYSTEM OPERATING DATA

ID	Hours	Blower Speed
Hours	67048.4	

Temperature Monitoring

Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
1020	Carbon Unit Inlet	CA01			Carbon Unit #1
1020	Pre-Heater	PHA01			After Shell and Tubing
1020	Blower Panel	B01			Exiting Blower
1020	After Cooler Outlet	AC01			Post Cooler Piping
1020	Pre-Heater	PHB01			Before Shell and Tubing

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
1020	Knock-Out Tank	T01	0	Vacuum gauge on knock-out tank
1020	Carbon-Unit #1 Outlet	CA1	in. Hg	Vacuum exiting GAC #1
1020	Discharge to Wells	WD2	PSI	Pressure before splicing off to both wells
1020	Blower Panel	BP01	in. Hg	Vacuum coming off of blower
1020	Carbon Unit #2 Outlet	CA2	in. Hg	Vacuum exiting GAC #2
1020	DDC-3	N/A	PSI	Pressure gauge on well head
1020	DDC-4	N/A	PSI	Pressure gauge on well head

FLOW RATES

Time	Location	IF-ID	Flow (SCFM)	Comments
1042	Injected to DDC-3	WD01		
1342	Injection to DDC-4	WD02		

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1050	Influent #1			
1050	Influent #2			
1050	Effluent			

System Observations

Water Column in DDC Wells

Well ID	Comments
DDC-3	Bubbling in well is sufficient
DDC-4	Bubbling in well is sufficient

Sump Inspection

Well ID	Comments
DDC-3	No water pooled in well
DDC-4	No water pooled in well

Additional Comments/Reccommendations

System OFF

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 12/14/2021 Time: 1315 Weather: Sunny, 52°

B-501 Status on Arrival: Up / Down / (OFF) B-502 Status on Arrival: UP / Down / (Off)

Alarm Light Status on Arrival: ON / (OFF) Alarm Light Reset on Arrival: YES / (NO)

SYSTEM OPERATING DATA

ID	B-501	TP-211	B-502	TP-212	B-503	TP-213	Time
Hours	33831.4	4.2	35551.1	41.4	0	0	~~12:55~~ 1315
VI-501			IWC	VI-502			IWC
SP-501			ppb / ppm	SP-502			ppb / ppm
TI-501			°F	TI-502			°F
VI-501A			IWC	VI-502A			IWC

INJECTION& EXTRACTION MANIFOLD OPERATING DATA

Well ID	4" - INJECTION		6" - EXTRACTION		
	Temp (°F)	Pressure (PSI)	Temp (°F)	Flow (CFM)	VOCs (ppb or ppm)
DDC-05					
DDC-10					
DDC-09					
DDC-08					
DDC-07					
DDC-06					

DDC WELLHEAD OPERATING DATA

WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMENTS	MW ID	DTW (FT)
DDC-05				Good bubbling	MW-1D	N/A
DDC-10				Good Bubbling	MW-1S	N/A
DDC-09				Good bubbling	MW-2D	N/A
DDC-08				Good bubbling	MW-2S	N/A
DDC-07				Good bubbling	MW-3D	N/A
DDC-06				Good bubbling	MW-3S	N/A

AIR SAMPLING DATA

B-501			B-502		
Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)	Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)
Influent	SP-401B		Influent	SP-402B	
Intermediate #1	SP-403B		Intermedia	SP-403A	
Intermediate #2	SP-401A		Intermedia	SP-402A	
Effluent	SP-501		Effluent	SP-502	

CHILLER	
Set Temp. (°F)	NA
Actual Temp. (°F)	NA
Pump Pressure (PSI)	NA
Freon High Pres. (PSI)	NA
Freon Low Pres. (PSI)	NA

TECHNICIAN COMMENTS/NOTES:

System OFF

12/14/2021

Heatset O&M Well Gauging		
Onsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	15.16	30.81
MW-1D	15.63	81.63
Offsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	*	*
MW-1D	*	*
DDC-5S	*	*
DDC-5D	*	*
DDC-6S	*	*
DDC-6D	*	*
DDC-7S	*	*
DDC-7D	*	*
DDC-8S	*	*
DDC-8D	*	*
DDC-9S	*	*
DDC-9D	*	*
DDC-10S	*	*
DDC-10D	*	*

* Well not gauged due to Off Site System not running.

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Attachment B

Laboratory Analytical Data – System Vapor Samples

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ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : NYSDEC - NATIONAL HEATSET TO-15

EA ENGINEERING SCIENCE & TECHNOLOGY

269 W. Jefferson Street

Syracuse, NY - 13202

Phone No: 315-431-4610

ORDER ID : M4339

ATTENTION : Emily Cummings

Table Of Contents for M4339

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SVE-INFLUENT	M4339-01	TO-15					
SVE-EFFLUENT	M4339-02	TO-15					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
M4339-01	Air	10/20/21	10/25/21		10/25/21
M4339-02	Air	10/20/21	10/25/21		10/25/21

*** Details For Test :** TO-15

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
M4339-01	Air	TO-15	NA		
M4339-02	Air	TO-15	NA		

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Cover Page

Order ID : M4339

Project ID : NYSDEC - National Heatset TO-15

Client : EA Engineering Science & Technology

Lab Sample Number	Client Sample Number
M4339-01	SVE-INFLUENT
M4339-02	SVE-EFFLUENT

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 3:36 pm, Nov 08, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

EA Engineering Science & Technology
Project Name: NYSDEC - National Heatset TO-15
Project # N/A
Chemtech Project # M4339
Test Name: TO-15

A. Number of Samples and Date of Receipt:
2 Air samples were received on 10/25/2021.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TO-15. This data package contains results for TO-15.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.The analysis of TO-15 was based on method TO-15.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {M4339-02DUP} with File ID: VL037899.D met criteria except for Acetone[28.6%] due to difference in results of Original and DUP.

The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements except for Dichlorodifluoromethane have more than 30% RSD in the Initial Calibration with dated 10/04/2021 with L Instrument but as per method two compounds as allowed to be fail less than 40% RSD.

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The Manual Integrations are performed for the followings :

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Manual Integration Report							
Sequence	VL100421	Instrument		MSVOA_L			
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL037758.D	1,1-Dichloroethene	MMDadoda	10/5/2021 6:05:18 PM	SAM	10/5/2021 6:32:17 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL037758.D	Benzyl Chloride	MMDadoda	10/5/2021 6:05:18 PM	SAM	10/5/2021 6:32:17 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL037758.D	Chlorobenzene-d5	MMDadoda	10/5/2021 6:05:18 PM	SAM	10/5/2021 6:32:17 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL037758.D	Dichlorodifluoromethane	MMDadoda	10/5/2021 6:05:18 PM	SAM	10/5/2021 6:32:17 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL037758.D	m/p-Xylene	MMDadoda	10/5/2021 6:05:18 PM	SAM	10/5/2021 6:32:17 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL037758.D	Propene	MMDadoda	10/5/2021 6:05:18 PM	SAM	10/5/2021 6:32:17 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	1,1,1-Trichloroethane	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	1,1,2-Trichlorotrifluoroethane	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	1,4-Dioxane	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	2-Butanone	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by

							Software incorrectly
VSTDICC002	VL037759.D	Acetone	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	Allyl Chloride	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	Benzyl Chloride	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	cis-1,2-Dichloroethene	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	Cyclohexane	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	Dichlorodifluoromethane	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	Hexachloro-1,3-Butadiene	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	Isopropyl Alcohol	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	m/p-Xylene	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	Naphthalene	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL037759.D	tert-Butyl alcohol	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software

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							incorrectly
VSTDICC002	VL037759.D	Tetrahydrofuran	MMDadoda	10/5/2021 6:05:20 PM	SAM	10/5/2021 6:32:33 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	1,1,1,2-Tetrachloroethane	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	Methylene Chloride	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	Naphthalene	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	Propene	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	t-1,3-Dichloropropene	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	Tetrachloroethene	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	Tetrahydrofuran	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	trans-1,2-Dichloroethene	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL037760.D	Trichloroethene	MMDadoda	10/5/2021 6:05:22 PM	SAM	10/5/2021 6:32:42 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL037761.D	1,1,1-Trichloroethane	MMDadoda	10/5/2021 6:05:26 PM	SAM	10/5/2021 6:32:59 PM	Peak Integrated by Software incorrectly

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VSTDICC0.5	VL037761.D	1,1,2,2-Tetrachloroethane	MMDadoda	10/5/2021 6:05:26 PM	SAM	10/5/2021 6:32:59 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL037761.D	1,1,2-Trichloroethane	MMDadoda	10/5/2021 6:05:26 PM	SAM	10/5/2021 6:32:59 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL037761.D	1,1,2-Trichlorotrifluoroethane	MMDadoda	10/5/2021 6:05:26 PM	SAM	10/5/2021 6:32:59 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL037761.D	trans-1,2-Dichloroethene	MMDadoda	10/5/2021 6:05:26 PM	SAM	10/5/2021 6:32:59 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL037761.D	Trichloroethene	MMDadoda	10/5/2021 6:05:26 PM	SAM	10/5/2021 6:32:59 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL037761.D	Trichlorofluoromethane	MMDadoda	10/5/2021 6:05:26 PM	SAM	10/5/2021 6:32:59 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL037761.D	Vinyl Acetate	MMDadoda	10/5/2021 6:05:26 PM	SAM	10/5/2021 6:32:59 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL037762.D	1,1,1-Trichloroethane	MMDadoda	10/5/2021 6:05:28 PM	SAM	10/5/2021 6:33:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL037762.D	Carbon Tetrachloride	MMDadoda	10/5/2021 6:05:28 PM	SAM	10/5/2021 6:33:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL037762.D	Tetrachloroethene	MMDadoda	10/5/2021 6:05:28 PM	SAM	10/5/2021 6:33:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL037762.D	Trichloroethene	MMDadoda	10/5/2021 6:05:28 PM	SAM	10/5/2021 6:33:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL037762.D	Vinyl Chloride	MMDadoda	10/5/2021	SAM	10/5/2021	Peak

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				6:05:28 PM		6:33:02 PM	Integrated by Software incorrectly
VSTDICC0.03	VL037763.D	1,1,1-Trichloroethane	MMDadoda	10/5/2021 6:05:29 PM	SAM	10/5/2021 6:33:08 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL037763.D	1,1,2,2-Tetrachloroethane	MMDadoda	10/5/2021 6:05:29 PM	SAM	10/5/2021 6:33:08 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL037763.D	Carbon Tetrachloride	MMDadoda	10/5/2021 6:05:29 PM	SAM	10/5/2021 6:33:08 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL037763.D	Tetrachloroethene	MMDadoda	10/5/2021 6:05:29 PM	SAM	10/5/2021 6:33:08 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL037763.D	Trichloroethene	MMDadoda	10/5/2021 6:05:29 PM	SAM	10/5/2021 6:33:08 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL037763.D	Vinyl Chloride	MMDadoda	10/5/2021 6:05:29 PM	SAM	10/5/2021 6:33:08 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL037764.D	1,4-Dioxane	MMDadoda	10/5/2021 6:05:30 PM	SAM	10/5/2021 6:33:11 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL037764.D	Dichlorodifluoromethane	MMDadoda	10/5/2021 6:05:30 PM	SAM	10/5/2021 6:33:11 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL037764.D	Ethanol	MMDadoda	10/5/2021 6:05:30 PM	SAM	10/5/2021 6:33:11 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL037764.D	m/p-Xylene	MMDadoda	10/5/2021 6:05:30 PM	SAM	10/5/2021 6:33:11 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL037765.D	1,4-Dioxane	MMDadoda	10/5/2021 6:05:32	SAM	10/5/2021 6:33:16	Peak Integrated

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				PM		PM	by Software incorrectly
VSTDICV010	VL037765.D	Benzyl Chloride	MMDadoda	10/5/2021 6:05:32 PM	SAM	10/5/2021 6:33:16 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL037765.D	Chlorobenzene-d5	MMDadoda	10/5/2021 6:05:32 PM	SAM	10/5/2021 6:33:16 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL037765.D	Ethanol	MMDadoda	10/5/2021 6:05:32 PM	SAM	10/5/2021 6:33:16 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL037765.D	m/p-Xylene	MMDadoda	10/5/2021 6:05:32 PM	SAM	10/5/2021 6:33:16 PM	Peak Integrated by Software incorrectly

Manual Integration Report							
Sequence	VL102521	Instrument			MSVOA_L		
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

VSTDCCC010	VL037889.D	Chlorobenzene-d5	SAM	10/27/2021 12:18:57 PM	MMDadoda	10/27/2021 5:03:49 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL037889.D	Dichlorodifluoromethane	SAM	10/27/2021 12:18:57 PM	MMDadoda	10/27/2021 5:03:49 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL037889.D	Ethanol	SAM	10/27/2021 12:18:57 PM	MMDadoda	10/27/2021 5:03:49 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL037889.D	m/p-Xylene	SAM	10/27/2021 12:18:57 PM	MMDadoda	10/27/2021 5:03:49 PM	Peak Integrated by Software incorrectly
VL1025ABS01	VL037893.D	Benzyl Chloride	SAM	10/27/2021 12:19:03 PM	MMDadoda	10/27/2021 5:03:51 PM	Peak Integrated by

							Software incorrectly
VL1025ABS01	VL037893.D	Chlorobenzene-d5	SAM	10/27/2021 12:19:03 PM	MMDadoda	10/27/2021 5:03:51 PM	Peak Integrated by Software incorrectly
VL1025ABS01	VL037893.D	Ethanol	SAM	10/27/2021 12:19:03 PM	MMDadoda	10/27/2021 5:03:51 PM	Peak Integrated by Software incorrectly
VL1025ABS01	VL037893.D	m/p-Xylene	SAM	10/27/2021 12:19:03 PM	MMDadoda	10/27/2021 5:03:51 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	2-Butanone	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Acetone	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Benzene	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Carbon Tetrachloride	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Chlorodifluoromethane	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Chloroform	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Chloromethane	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Dichlorodifluoromethane	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software

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							incorrectly
M4339-02	VL037898.D	Ethanol	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Ethyl Benzene	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Heptane	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Isopropyl Alcohol	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	m/p-Xylene	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	o-Xylene	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Tetrachloroethene	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	trans-1,2-Dichloroethene	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02	VL037898.D	Trichlorofluoromethane	MMDadoda	10/27/2021 6:43:43 PM	SAM	10/27/2021 6:51:34 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	2,2,4-Trimethylpentane	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	2-Butanone	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly

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M4339-02DUP	VL037899.D	Acetone	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Benzene	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Carbon Tetrachloride	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Chlorodifluoromethane	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Chloromethane	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Dichlorodifluoromethane	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Heptane	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Isopropyl Alcohol	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	m/p-Xylene	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	o-Xylene	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Propene	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-	VL037899.D	Tetrachloroethene	SAM	10/27/2021	MMDadoda	10/27/2021	Peak

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02DUP				12:19:40 PM		5:04:05 PM	Integrated by Software incorrectly
M4339-02DUP	VL037899.D	trans-1,2-Dichloroethene	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-02DUP	VL037899.D	Trichlorofluoromethane	SAM	10/27/2021 12:19:40 PM	MMDadoda	10/27/2021 5:04:05 PM	Peak Integrated by Software incorrectly
M4339-01	VL037900.D	o-Xylene	SAM	10/27/2021 12:19:33 PM	MMDadoda	10/27/2021 5:04:06 PM	Peak Integrated by Software incorrectly
M4339-01	VL037900.D	Propene	SAM	10/27/2021 12:19:33 PM	MMDadoda	10/27/2021 5:04:06 PM	Peak Integrated by Software incorrectly
M4339-01	VL037900.D	Trichloroethene	SAM	10/27/2021 12:19:33 PM	MMDadoda	10/27/2021 5:04:06 PM	Peak Integrated by Software incorrectly

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:37 pm, Nov 08, 2021

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: M4339

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: APARANA SONI **Date:** 11/08/2021

2nd Level QA Review Signature: N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:37 pm, Nov 08, 2021

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	M4339	**OrderDate:**	10/25/2021 9:17:00 AM
Client:	EA Engineering Science & Technology	**Project:**	NYSDEC - National Heatset TO-15
Contact:	Emily Cummings	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M4339-01	**SVE-INFLUENT**	**Air**			**10/20/21**			**10/25/21**
			TO-15	TO-15			10/25/21	
M4339-02	**SVE-EFFLUENT**	**Air**			**10/20/21**			**10/25/21**
			TO-15	TO-15			10/25/21	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: M4339

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SVE-INFLUENT**							
M4339-01	SVE-INFLUENT	Air	Dichlorodifluoromethane	1.04	J	0.35	2.47	ug/m3
M4339-01	SVE-INFLUENT	Air	Chloromethane	0.45	J	0.080	1.03	ug/m3
M4339-01	SVE-INFLUENT	Air	Trichlorofluoromethane	1.91	J	0.22	2.81	ug/m3
M4339-01	SVE-INFLUENT	Air	Heptane	0.94	J	0.12	2.05	ug/m3
M4339-01	SVE-INFLUENT	Air	Acetone	8.31		0.90	1.19	ug/m3
M4339-01	SVE-INFLUENT	Air	Methylene Chloride	28.80		1.46	1.74	ug/m3
M4339-01	SVE-INFLUENT	Air	2-Butanone	1.56		0.090	1.47	ug/m3
M4339-01	SVE-INFLUENT	Air	Carbon Tetrachloride	0.38		0.13	0.19	ug/m3
M4339-01	SVE-INFLUENT	Air	cis-1,2-Dichloroethene	7.53		0.16	1.98	ug/m3
M4339-01	SVE-INFLUENT	Air	Chloroform	1.07	J	0.20	2.44	ug/m3
M4339-01	SVE-INFLUENT	Air	1,1,1-Trichloroethane	2.35		0.11	0.16	ug/m3
M4339-01	SVE-INFLUENT	Air	2,2,4-Trimethylpentane	0.70	J	0.14	2.34	ug/m3
M4339-01	SVE-INFLUENT	Air	Benzene	0.64	J	0.10	1.60	ug/m3
M4339-01	SVE-INFLUENT	Air	Trichloroethene	8.60		0.11	0.16	ug/m3
M4339-01	SVE-INFLUENT	Air	Toluene	6.78		0.11	1.88	ug/m3
M4339-01	SVE-INFLUENT	Air	Tetrachloroethene	84.10		0.14	0.20	ug/m3
M4339-01	SVE-INFLUENT	Air	Ethyl Benzene	0.65	J	0.13	2.17	ug/m3
M4339-01	SVE-INFLUENT	Air	m/p-Xylene	1.56	J	0.26	4.34	ug/m3
M4339-01	SVE-INFLUENT	Air	o-Xylene	0.52	J	0.17	2.17	ug/m3
M4339-01	SVE-INFLUENT	Air	Hexane	6.34		0.11	1.76	ug/m3
			Total Voc :	164.25				
			Total Concentration:	164.25				
Client ID:	**SVE-EFFLUENT**							
M4339-02	SVE-EFFLUENT	Air	Dichlorodifluoromethane	1.09	J	0.35	2.47	ug/m3
M4339-02	SVE-EFFLUENT	Air	Chloromethane	0.35	J	0.080	1.03	ug/m3
M4339-02	SVE-EFFLUENT	Air	Trichlorofluoromethane	2.53	J	0.22	2.81	ug/m3
M4339-02	SVE-EFFLUENT	Air	Heptane	1.15	J	0.12	2.05	ug/m3
M4339-02	SVE-EFFLUENT	Air	Acetone	4.75		0.90	1.19	ug/m3
M4339-02	SVE-EFFLUENT	Air	Methylene Chloride	14.60		1.46	1.74	ug/m3
M4339-02	SVE-EFFLUENT	Air	trans-1,2-Dichloroethene	0.59	J	0.24	1.98	ug/m3
M4339-02	SVE-EFFLUENT	Air	2-Butanone	0.97	J	0.090	1.47	ug/m3
M4339-02	SVE-EFFLUENT	Air	Carbon Tetrachloride	0.25		0.13	0.19	ug/m3
M4339-02	SVE-EFFLUENT	Air	cis-1,2-Dichloroethene	15.90		0.16	1.98	ug/m3
M4339-02	SVE-EFFLUENT	Air	Chloroform	2.00	J	0.20	2.44	ug/m3
M4339-02	SVE-EFFLUENT	Air	1,1,1-Trichloroethane	3.55		0.11	0.16	ug/m3
M4339-02	SVE-EFFLUENT	Air	2,2,4-Trimethylpentane	0.51	J	0.14	2.34	ug/m3
M4339-02	SVE-EFFLUENT	Air	Benzene	0.67	J	0.10	1.60	ug/m3

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: M4339

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M4339-02	SVE-EFFLUENT	Air	Toluene	8.67		0.11	1.88	ug/m3
M4339-02	SVE-EFFLUENT	Air	Tetrachloroethene	2.58		0.14	0.20	ug/m3
M4339-02	SVE-EFFLUENT	Air	Ethyl Benzene	0.69	J	0.13	2.17	ug/m3
M4339-02	SVE-EFFLUENT	Air	m/p-Xylene	1.74	J	0.26	4.34	ug/m3
M4339-02	SVE-EFFLUENT	Air	o-Xylene	0.56	J	0.17	2.17	ug/m3
M4339-02	SVE-EFFLUENT	Air	Hexane	4.23		0.11	1.76	ug/m3
			Total Voc :	67.33				
			Total Concentration:	67.33				

Project : NYSDEC - National Heatset TO-15 **Sampling Date :** 10/20/21

Field Id Number : SVE-INFLUENT **Analysis Date :** 10/25/21

Laboratory Id Number : M4339-01 **Target Analyts :** Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.21	J	1.04		
Chloromethane	74-87-3	50.49	0.22	J	0.45		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	J	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.23	J	0.94		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	3.5		8.31		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	8.3		28.8		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.53		1.56		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	1.9		7.53		
Chloroform	67-66-3	119.4	0.22	J	1.07		
1,1,1-Trichloroethane	71-55-6	133.4	0.43		2.35		
2,2,4-Trimethylpentane	540-84-1	114.2	0.15	J	0.7		
Benzene	71-43-2	78.11	0.2	J	0.64		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	1.6		8.6		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	1.8		6.78		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		

Project : NYSDEC - National Heatset TO-15 **Sampling Date :** 10/20/21

Field Id Number : SVE-INFLUENT **Analysis Date :** 10/25/21

Laboratory Id Number : M4339-01 **Target Analyts :** Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	12.4		84.1		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.15	J	0.65		
m/p-Xylene	179601-23-1	106.2	0.36	J	1.56		
o-Xylene	95-47-6	106.2	0.12	J	0.52		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.5	U	2.62		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	1.8		6.34		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

Project : NYSDEC - National Heatset TO-15 **Sampling Date :** 10/20/21

Field Id Number : SVE-EFFLUENT **Analysis Date :** 10/25/21

Laboratory Id Number : M4339-02 **Target Analyts :** Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.22	J	1.09		
Chloromethane	74-87-3	50.49	0.17	J	0.35		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.45	J	2.53		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.28	J	1.15		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	2		4.75		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	4.2		14.6		
trans-1,2-Dichloroethene	156-60-5	96.94	0.15	J	0.59		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.33	J	0.97		
Carbon Tetrachloride	56-23-5	153.8	0.04		0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	4		15.9		
Chloroform	67-66-3	119.4	0.41	J	2		
1,1,1-Trichloroethane	71-55-6	133.4	0.65		3.55		
2,2,4-Trimethylpentane	540-84-1	114.2	0.11	J	0.51		
Benzene	71-43-2	78.11	0.21	J	0.67		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	2.3		8.67		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		

Project : NYSDEC - National Heatset TO-15 **Sampling Date :** 10/20/21

Field Id Number : SVE-EFFLUENT **Analysis Date :** 10/25/21

Laboratory Id Number : M4339-02 **Target Analyts :** Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.38		2.58		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.16	J	0.69		
m/p-Xylene	179601-23-1	106.2	0.4	J	1.74		
o-Xylene	95-47-6	106.2	0.13	J	0.56		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.5	U	2.62		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	1.2		4.23		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

Method	Matrix	Parameter	Spike_Amt_Added	ISMDLPASS	Calculated MDL	MB Data	MB Datafile	Currently Used MDL	New MDL TO Be Used
TO-15	Air	1,1,1,2-Tetrachloroethane	0.1	Y	0.038169073	0		0.0439	0.039
TO-15	Air	1,1,1-Trichloroethane	0.03	Y	0.022190408	0		0.0181	0.020
TO-15	Air	1,1,2,2-Tetrachloroethane	0.03	Y	0.023332729	0		0.0117	0.021
TO-15	Air	1,1,2-Trichloroethane	0.1	Y	0.034414668	0		0.0349	0.035
TO-15	Air	1,1,2-Trichlorotrifluoroethane	0.1	Y	0.042949752	0		0.0352	0.043
TO-15	Air	1,1-Dichloroethane	0.1	Y	0.03742081	0		0.0287	0.038
TO-15	Air	1,1-Dichloroethene	0.1	Y	0.0497327	0		0.0398	0.050
TO-15	Air	1,2,4-Trichlorobenzene	0.1	Y	0.043090408	0		0.055	0.044
TO-15	Air	1,2,4-Trimethylbenzene	0.1	Y	0.025906457	0		0.0353	0.026
TO-15	Air	1,2-Dibromoethane	0.1	Y	0.029803976	0		0.0371	0.030
TO-15	Air	1,2-Dichlorobenzene	0.1	Y	0.033375574	0		0.047	0.034
TO-15	Air	1,2-Dichloroethane	0.1	Y	0.037124121	0		0.0354	0.038
TO-15	Air	1,2-Dichloropropane	0.1	Y	0.041207006	0		0.056	0.042
TO-15	Air	1,3,5-Trimethylbenzene	0.1	Y	0.023378817	0		0.0339	0.024
TO-15	Air	1,3-Butadiene	0.1	Y	0.045376125	0		0.0344	0.046
TO-15	Air	1,3-Dichlorobenzene	0.1	Y	0.049414028	0		0.0437	0.050
TO-15	Air	1,4-Dichlorobenzene	0.1	Y	0.030809262	0		0.0407	0.031
TO-15	Air	1,4-Dioxane	0.4	Y	0.238617256	0		0.1901	0.239
TO-15	Air	2,2,4-Trimethylpentane	0.1	Y	0.028514861	0		0.0283	0.029
TO-15	Air	2-Butanone	0.1	Y	0.031768118	0		0.0315	0.032
TO-15	Air	2-Chlorotoluene	0.1	Y	0.031976999	0		0.0402	0.032
TO-15	Air	2-Hexanone	0.1	Y	0.029407589	0		0.0336	0.030
TO-15	Air	4-Ethyltoluene	0.1	Y	0.030790486	0		0.0449	0.031
TO-15	Air	4-Methyl-2-Pentanone	0.1	Y	0.026822906	0		0.0333	0.027
TO-15	Air	Acetone	0.4	Y	0.343057526	0.384	VL034964.D	0.1875	0.384
TO-15	Air	Allyl Chloride	0.1	Y	0.044366135	0		0.0497	0.045
TO-15	Air	Benzene	0.1	Y	0.031993316	0		0.0305	0.032
TO-15	Air	Benzyl Chloride	0.4	Y	0.285709345	0		0.0896	0.286
TO-15	Air	Bromodichloromethane	0.1	Y	0.031753907	0		0.0404	0.032
TO-15	Air	Bromoethene	0.1	Y	0.038346042	0		0.0452	0.039
TO-15	Air	Bromoform	0.1	Y	0.036178952	0		0.0463	0.037
TO-15	Air	Bromomethane	0.1	Y	0.042892242	0		0.0401	0.043
TO-15	Air	Carbon Disulfide	0.1	Y	0.042686218	0		0.0356	0.043
TO-15	Air	Carbon Tetrachloride	0.03	Y	0.019999154	0		0.0211	0.018
TO-15	Air	Chlorobenzene	0.1	Y	0.027923049	0		0.031	0.028
TO-15	Air	Chlorodifluoromethane	0.1	Y	0.027088724	0		0.0281	0.028
TO-15	Air	Chloroethane	0.1	Y	0.040304062	0		0.0593	0.041
TO-15	Air	Chloroform	0.1	Y	0.035028484	0		0.0316	0.036
TO-15	Air	Chloromethane	0.1	Y	0.038523296	0		0.0407	0.039
TO-15	Air	cis-1,2-Dichloroethene	0.1	Y	0.034123257	0		0.0377	0.035
TO-15	Air	cis-1,3-Dichloropropene	0.1	Y	0.016092481	0		0.0236	0.017
TO-15	Air	Cyclohexane	0.1	Y	0.064145149	0		0.0863	0.065
TO-15	Air	Dibromochloromethane	0.1	Y	0.025128729	0		0.0329	0.026
TO-15	Air	Dichlorodifluoromethane	0.1	Y	0.066866	0		0.0602	0.067
TO-15	Air	Dichlorotetrafluoroethane	0.1	Y	0.044390608	0		0.0494	0.045
TO-15	Air	Ethanol	0.4	Y	0.237378612	0		0.2165	0.238
TO-15	Air	Ethyl Acetate	0.1	Y	0.021970471	0		0.0333	0.022
TO-15	Air	Ethyl Benzene	0.1	Y	0.031661379	0		0.0298	0.032
TO-15	Air	Heptane	0.1	Y	0.027221696	0		0.027	0.028
TO-15	Air	Hexachloro-1,3-Butadiene	0.1	Y	0.050766514	0		0.0793	0.051
TO-15	Air	Hexane	0.1	Y	0.027182288	0		0.0301	0.028
TO-15	Air	Isopropyl Alcohol	0.1	Y	0.042836631	0		0.0599	0.043
TO-15	Air	Isopropylbenzene	0.1	Y	0.035329996	0		0.0403	0.036
TO-15	Air	m/p-Xylene	0.2	Y	0.062339263	0		0.0746	0.063
TO-15	Air	Methyl Methacrylate	0.1	Y	0.031507756	0		0.0348	0.032
TO-15	Air	Methyl tert-Butyl Ether	0.1	Y	0.032114766	0		0.0348	0.033
TO-15	Air	Methylene Chloride	0.4	Y	0.183941672	0.417	VL035224.D	0.0827	0.417
TO-15	Air	Naphthalene	0.1	Y	0.053219223	0		0.0656	0.054
TO-15	Air	Naphthalene,2-methyl-	0.4	Y	0.224011838	0		0.0656	0.225
TO-15	Air	n-Butylbenzene	0.1	Y	0.026157866	0		0.04	0.027
TO-15	Air	n-propylbenzene	0.1	Y	0.036550151	0		0.0465	0.037
TO-15	Air	o-Xylene	0.1	Y	0.035195597	0		0.0396	0.036
TO-15	Air	p-Isopropyltoluene	0.1	Y	0.020956468	0		0.0314	0.021
TO-15	Air	Propene	0.1	Y	0.059124928	0		0.0506	0.060
TO-15	Air	sec-Butylbenzene	0.1	Y	0.024620659	0		0.0362	0.025
TO-15	Air	Styrene	0.1	Y	0.025065221	0		0.0244	0.026
TO-15	Air	t-1,3-Dichloropropene	0.1	Y	0.029875353	0		0.041	0.030
TO-15	Air	tert-Butyl alcohol	0.1	Y	0.038123222	0		0.0494	0.039
TO-15	Air	tert-Butylbenzene	0.1	Y	0.023671408	0		0.0339	0.024
TO-15	Air	Tetrachloroethene	0.03	Y	0.020770753	0		0.0205	0.019
TO-15	Air	Tetrahydrofuran	0.1	Y	0.037429855	0		0.0432	0.038
TO-15	Air	Toluene	0.1	Y	0.025650934	0		0.0306	0.026
TO-15	Air	trans-1,2-Dichloroethene	0.1	Y	0.057532793	0		0.0436	0.058
TO-15	Air	Trichloroethene	0.03	Y	0.018683888	0		0.0124	0.017
TO-15	Air	Trichlorofluoromethane	0.1	Y	0.040051294	0		0.0356	0.041
TO-15	Air	Vinyl Acetate	0.1	Y	0.042547389	0		0.0598	0.037
TO-15	Air	Vinyl Chloride	0.03	Y	0.029624557	0		0.025	0.026

MDL units	StdevVal	StudentsTValue	iNSTRUMENTid	mass	Datafile1	Concentration1	Adate1	Datafile2	Concentration2
ppbv	0.014669129	2.602	MSVOA_L		VL034859.D	0.084	03102020T04:21:00	VL034878.D	0.121
ppbv	0.007401737	2.998	MSVOA_L		VL034860.D	0.031	03102020T04:58:00	VL034879.D	0.038
ppbv	0.007782765	2.998	MSVOA_L		VL034860.D	0.027	03102020T04:58:00	VL034879.D	0.049
ppbv	0.013226237	2.602	MSVOA_L		VL034859.D	0.117	03102020T04:21:00	VL034878.D	0.144
ppbv	0.016506438	2.602	MSVOA_L		VL034859.D	0.125	03102020T04:21:00	VL034878.D	0.153
ppbv	0.014381556	2.602	MSVOA_L		VL034859.D	0.113	03102020T04:21:00	VL034878.D	0.15
ppbv	0.019113259	2.602	MSVOA_L		VL034859.D	0.121	03102020T04:21:00	VL034878.D	0.149
ppbv	0.016560495	2.602	MSVOA_L		VL034859.D	0.047	03102020T04:21:00	VL034878.D	0.061
ppbv	0.009956363	2.602	MSVOA_L		VL034859.D	0.068	03102020T04:21:00	VL034878.D	0.065
ppbv	0.011454257	2.602	MSVOA_L		VL034859.D	0.096	03102020T04:21:00	VL034878.D	0.115
ppbv	0.012826892	2.602	MSVOA_L		VL034859.D	0.1	03102020T04:21:00	VL034878.D	0.108
ppbv	0.014267533	2.602	MSVOA_L		VL034859.D	0.13	03102020T04:21:00	VL034878.D	0.15
ppbv	0.015836666	2.602	MSVOA_L		VL034859.D	0.115	03102020T04:21:00	VL034878.D	0.14
ppbv	0.008984941	2.602	MSVOA_L		VL034859.D	0.061	03102020T04:21:00	VL034878.D	0.062
ppbv	0.017438941	2.602	MSVOA_L		VL034859.D	0.095	03102020T04:21:00	VL034878.D	0.142
ppbv	0.018990787	2.602	MSVOA_L		VL034859.D	0.104	03102020T04:21:00	VL034878.D	0.124
ppbv	0.011840608	2.602	MSVOA_L		VL034859.D	0.104	03102020T04:21:00	VL034878.D	0.107
ppbv	0.091705325	2.602	MSVOA_L		VL034858.D	0.453	03102020T03:43:00	VL034877.D	0.462
ppbv	0.010958824	2.602	MSVOA_L		VL034859.D	0.088	03102020T04:21:00	VL034878.D	0.09
ppbv	0.012209115	2.602	MSVOA_L		VL034859.D	0.105	03102020T04:21:00	VL034878.D	0.128
ppbv	0.012289392	2.602	MSVOA_L		VL034859.D	0.087	03102020T04:21:00	VL034878.D	0.087
ppbv	0.011301917	2.602	MSVOA_L		VL034859.D	0.069	03102020T04:21:00	VL034878.D	0.078
ppbv	0.011833392	2.602	MSVOA_L		VL034859.D	0.066	03102020T04:21:00	VL034878.D	0.067
ppbv	0.010308572	2.602	MSVOA_L		VL034859.D	0.089	03102020T04:21:00	VL034878.D	0.088
ppbv	0.131843784	2.602	MSVOA_L		VL034858.D	0.453	03102020T03:43:00	VL034877.D	0.5
ppbv	0.017050782	2.602	MSVOA_L		VL034859.D	0.101	03102020T04:21:00	VL034878.D	0.105
ppbv	0.012295663	2.602	MSVOA_L		VL034859.D	0.106	03102020T04:21:00	VL034878.D	0.109
ppbv	0.109803745	2.602	MSVOA_L		VL034858.D	0.248	03102020T03:43:00	VL034877.D	0.234
ppbv	0.012203654	2.602	MSVOA_L		VL034859.D	0.083	03102020T04:21:00	VL034878.D	0.103
ppbv	0.014737141	2.602	MSVOA_L		VL034859.D	0.098	03102020T04:21:00	VL034878.D	0.135
ppbv	0.013904286	2.602	MSVOA_L		VL034859.D	0.058	03102020T04:21:00	VL034878.D	0.074
ppbv	0.016484336	2.602	MSVOA_L		VL034859.D	0.131	03102020T04:21:00	VL034878.D	0.138
ppbv	0.016405157	2.602	MSVOA_L		VL034859.D	0.086	03102020T04:21:00	VL034878.D	0.08
ppbv	0.006670832	2.998	MSVOA_L		VL034860.D	0.033	03102020T04:58:00	VL034879.D	0.04
ppbv	0.010731379	2.602	MSVOA_L		VL034859.D	0.122	03102020T04:21:00	VL034878.D	0.136
ppbv	0.010410732	2.602	MSVOA_L		VL034859.D	0.112	03102020T04:21:00	VL034878.D	0.138
ppbv	0.015489647	2.602	MSVOA_L		VL034859.D	0.13	03102020T04:21:00	VL034878.D	0.151
ppbv	0.013462138	2.602	MSVOA_L		VL034859.D	0.119	03102020T04:21:00	VL034878.D	0.141
ppbv	0.014805264	2.602	MSVOA_L		VL034859.D	0.116	03102020T04:21:00	VL034878.D	0.127
ppbv	0.013114242	2.602	MSVOA_L		VL034859.D	0.103	03102020T04:21:00	VL034878.D	0.117
ppbv	0.006184658	2.602	MSVOA_L		VL034859.D	0.072	03102020T04:21:00	VL034878.D	0.077
ppbv	0.024652248	2.602	MSVOA_L		VL034859.D	0.099	03102020T04:21:00	VL034878.D	0.115
ppbv	0.009657467	2.602	MSVOA_L		VL034859.D	0.062	03102020T04:21:00	VL034878.D	0.076
ppbv	0.025697925	2.602	MSVOA_L		VL034859.D	0.159	03102020T04:21:00	VL034878.D	0.198
ppbv	0.017060188	2.602	MSVOA_L		VL034859.D	0.122	03102020T04:21:00	VL034878.D	0.154
ppbv	0.09122929	2.602	MSVOA_L		VL034858.D	0.667	03102020T03:43:00	VL034877.D	0.435
ppbv	0.008443686	2.602	MSVOA_L		VL034859.D	0.103	03102020T04:21:00	VL034878.D	0.105
ppbv	0.012168094	2.602	MSVOA_L		VL034859.D	0.089	03102020T04:21:00	VL034878.D	0.092
ppbv	0.010461835	2.602	MSVOA_L		VL034859.D	0.073	03102020T04:21:00	VL034878.D	0.094
ppbv	0.019510574	2.602	MSVOA_L		VL034859.D	0.116	03102020T04:21:00	VL034878.D	0.132
ppbv	0.01044669	2.602	MSVOA_L		VL034859.D	0.104	03102020T04:21:00	VL034878.D	0.122
ppbv	0.016462963	2.602	MSVOA_L		VL034859.D	0.152	03102020T04:21:00	VL034878.D	0.151
ppbv	0.013578015	2.602	MSVOA_L		VL034859.D	0.085	03102020T04:21:00	VL034878.D	0.103
ppbv	0.02395821	2.602	MSVOA_L		VL034859.D	0.161	03102020T04:21:00	VL034878.D	0.168
ppbv	0.012109053	2.602	MSVOA_L		VL034859.D	0.083	03102020T04:21:00	VL034878.D	0.099
ppbv	0.012342339	2.602	MSVOA_L		VL034859.D	0.095	03102020T04:21:00	VL034878.D	0.113
ppbv	0.061354794	2.998	MSVOA_L		VL034858.D	0.506	03102020T03:43:00	VL034877.D	0.566
ppbv	0.020453199	2.602	MSVOA_L		VL034859.D	0.038	03102020T04:21:00	VL034878.D	0.039
ppbv	0.086092174	2.602	MSVOA_L		VL034858.D	0.205	03102020T03:43:00	VL034877.D	0.184
ppbv	0.010052985	2.602	MSVOA_L		VL034859.D	0.057	03102020T04:21:00	VL034878.D	0.06
ppbv	0.014046945	2.602	MSVOA_L		VL034859.D	0.061	03102020T04:21:00	VL034878.D	0.086
ppbv	0.013526363	2.602	MSVOA_L		VL034859.D	0.084	03102020T04:21:00	VL034878.D	0.088
ppbv	0.008053985	2.602	MSVOA_L		VL034859.D	0.054	03102020T04:21:00	VL034878.D	0.056
ppbv	0.022722878	2.602	MSVOA_L		VL034859.D	0.111	03102020T04:21:00	VL034878.D	0.162
ppbv	0.009462206	2.602	MSVOA_L		VL034859.D	0.066	03102020T04:21:00	VL034878.D	0.066
ppbv	0.009633059	2.602	MSVOA_L		VL034859.D	0.07	03102020T04:21:00	VL034878.D	0.073
ppbv	0.011481688	2.602	MSVOA_L		VL034859.D	0.064	03102020T04:21:00	VL034878.D	0.049
ppbv	0.014651507	2.602	MSVOA_L		VL034859.D	0.125	03102020T04:21:00	VL034878.D	0.147
ppbv	0.00909739	2.602	MSVOA_L		VL034859.D	0.059	03102020T04:21:00	VL034878.D	0.054
ppbv	0.006928203	2.998	MSVOA_L		VL034860.D	0.029	03102020T04:58:00	VL034879.D	0.045
ppbv	0.014385033	2.602	MSVOA_L		VL034859.D	0.101	03102020T04:21:00	VL034878.D	0.087
ppbv	0.009858161	2.602	MSVOA_L		VL034859.D	0.071	03102020T04:21:00	VL034878.D	0.084
ppbv	0.022110989	2.602	MSVOA_L		VL034859.D	0.11	03102020T04:21:00	VL034878.D	0.131
ppbv	0.006232117	2.998	MSVOA_L		VL034860.D	0.032	03102020T04:58:00	VL034879.D	0.036
ppbv	0.015392504	2.602	MSVOA_L		VL034859.D	0.112	03102020T04:21:00	VL034878.D	0.162
ppbv	0.014191924	2.998	MSVOA_L		VL034859.D	0.079	03102020T04:21:00	VL034878.D	0.089
ppbv	0.00988144	2.998	MSVOA_L		VL034860.D	0.027	03102020T04:58:00	VL034879.D	0.043

Adate2	Datafile3	Concentration3	Adate3	Datafile4	Concentration4	Adate4	Datafile5	Concentration5
03102020T22:50:00	VL034949.D	0.09	05062020T19:33:00	VL034980.D	0.113	05072020T23:10:00	VL035229.D	0.132
03102020T23:27:00	VL034950.D	0.046	05072020T01:25:00	VL034981.D	0.052	05072020T23:48:00	VL035230.D	0.051
03102020T23:27:00	VL034950.D	0.044	05072020T01:25:00	VL034981.D	0.05	05072020T23:48:00	VL035230.D	0.052
03102020T22:50:00	VL034949.D	0.106	05062020T19:33:00	VL034980.D	0.107	05072020T23:10:00	VL035229.D	0.113
03102020T22:50:00	VL034949.D	0.113	05062020T19:33:00	VL034980.D	0.141	05072020T23:10:00	VL035229.D	0.161
03102020T22:50:00	VL034949.D	0.124	05062020T19:33:00	VL034980.D	0.131	05072020T23:10:00	VL035229.D	0.141
03102020T22:50:00	VL034949.D	0.139	05062020T19:33:00	VL034980.D	0.132	05072020T23:10:00	VL035229.D	0.165
03102020T22:50:00	VL034949.D	0.078	05062020T19:33:00	VL034980.D	0.049	05072020T23:10:00	VL035229.D	0.073
03102020T22:50:00	VL034949.D	0.053	05062020T19:33:00	VL034980.D	0.05	05072020T23:10:00	VL035229.D	0.05
03102020T22:50:00	VL034949.D	0.088	05062020T19:33:00	VL034980.D	0.095	05072020T23:10:00	VL035229.D	0.087
03102020T22:50:00	VL034949.D	0.088	05062020T19:33:00	VL034980.D	0.094	05072020T23:10:00	VL035229.D	0.095
03102020T22:50:00	VL034949.D	0.126	05062020T19:33:00	VL034980.D	0.122	05072020T23:10:00	VL035229.D	0.114
03102020T22:50:00	VL034949.D	0.121	05062020T19:33:00	VL034980.D	0.114	05072020T23:10:00	VL035229.D	0.12
03102020T22:50:00	VL034949.D	0.052	05062020T19:33:00	VL034980.D	0.047	05072020T23:10:00	VL035229.D	0.052
03102020T22:50:00	VL034949.D	0.083	05062020T19:33:00	VL034980.D	0.138	05072020T23:10:00	VL035229.D	0.13
03102020T22:50:00	VL034949.D	0.114	05062020T19:33:00	VL034980.D	0.149	05072020T23:10:00	VL035229.D	0.161
03102020T22:50:00	VL034949.D	0.089	05062020T19:33:00	VL034980.D	0.104	05072020T23:10:00	VL035229.D	0.105
03102020T22:12:00	VL034948.D	0.421	05062020T18:55:00	VL034979.D	0.354	05072020T22:32:00	VL035228.D	0.31
03102020T22:50:00	VL034949.D	0.062	05062020T19:33:00	VL034980.D	0.066	05072020T23:10:00	VL035229.D	0.062
03102020T22:50:00	VL034949.D	0.098	05062020T19:33:00	VL034980.D	0.116	05072020T23:10:00	VL035229.D	0.113
03102020T22:50:00	VL034949.D	0.065	05062020T19:33:00	VL034980.D	0.064	05072020T23:10:00	VL035229.D	0.068
03102020T22:50:00	VL034949.D	0.051	05062020T19:33:00	VL034980.D	0.056	05072020T23:10:00	VL035229.D	0.062
03102020T22:50:00	VL034949.D	0.061	05062020T19:33:00	VL034980.D	0.053	05072020T23:10:00	VL035229.D	0.051
03102020T22:50:00	VL034949.D	0.072	05062020T19:33:00	VL034980.D	0.067	05072020T23:10:00	VL035229.D	0.071
03102020T22:12:00	VL034948.D	0.489	05062020T18:55:00	VL034979.D	0.538	05072020T22:32:00	VL035228.D	0.592
03102020T22:50:00	VL034949.D	0.11	05062020T19:33:00	VL034980.D	0.116	05072020T23:10:00	VL035229.D	0.136
03102020T22:50:00	VL034949.D	0.083	05062020T19:33:00	VL034980.D	0.077	05072020T23:10:00	VL035229.D	0.078
03102020T22:12:00	VL034948.D	0.301	05062020T18:55:00	VL034979.D	0.316	05072020T22:32:00	VL035228.D	0.452
03102020T22:50:00	VL034949.D	0.098	05062020T19:33:00	VL034980.D	0.104	05072020T23:10:00	VL035229.D	0.123
03102020T22:50:00	VL034949.D	0.096	05062020T19:33:00	VL034980.D	0.102	05072020T23:10:00	VL035229.D	0.132
03102020T22:50:00	VL034949.D	0.071	05062020T19:33:00	VL034980.D	0.077	05072020T23:10:00	VL035229.D	0.103
03102020T22:50:00	VL034949.D	0.116	05062020T19:33:00	VL034980.D	0.156	05072020T23:10:00	VL035229.D	0.152
03102020T22:50:00	VL034949.D	0.091	05062020T19:33:00	VL034980.D	0.119	05072020T23:10:00	VL035229.D	0.141
03102020T23:27:00	VL034950.D	0.048	05072020T01:25:00	VL034981.D	0.051	05072020T23:48:00	VL035230.D	0.053
03102020T22:50:00	VL034949.D	0.111	05062020T19:33:00	VL034980.D	0.126	05072020T23:10:00	VL035229.D	0.138
03102020T22:50:00	VL034949.D	0.126	05062020T19:33:00	VL034980.D	0.129	05072020T23:10:00	VL035229.D	0.148
03102020T22:50:00	VL034949.D	0.141	05062020T19:33:00	VL034980.D	0.137	05072020T23:10:00	VL035229.D	0.137
03102020T22:50:00	VL034949.D	0.119	05062020T19:33:00	VL034980.D	0.13	05072020T23:10:00	VL035229.D	0.136
03102020T22:50:00	VL034949.D	0.11	05062020T19:33:00	VL034980.D	0.128	05072020T23:10:00	VL035229.D	0.16
03102020T22:50:00	VL034949.D	0.087	05062020T19:33:00	VL034980.D	0.096	05072020T23:10:00	VL035229.D	0.084
03102020T22:50:00	VL034949.D	0.07	05062020T19:33:00	VL034980.D	0.074	05072020T23:10:00	VL035229.D	0.066
03102020T22:50:00	VL034949.D	0.135	05062020T19:33:00	VL034980.D	0.126	05072020T23:10:00	VL035229.D	0.132
03102020T22:50:00	VL034949.D	0.076	05062020T19:33:00	VL034980.D	0.086	05072020T23:10:00	VL035229.D	0.088
03102020T22:50:00	VL034949.D	0.147	05062020T19:33:00	VL034980.D	0.189	05072020T23:10:00	VL035229.D	0.181
03102020T22:50:00	VL034949.D	0.12	05062020T19:33:00	VL034980.D	0.128	05072020T23:10:00	VL035229.D	0.151
03102020T22:12:00	VL034948.D	0.53	05062020T18:55:00	VL034979.D	0.506	05072020T22:32:00	VL035228.D	0.557
03102020T22:50:00	VL034949.D	0.102	05062020T19:33:00	VL034980.D	0.107	05072020T23:10:00	VL035229.D	0.11
03102020T22:50:00	VL034949.D	0.056	05062020T19:33:00	VL034980.D	0.065	05072020T23:10:00	VL035229.D	0.057
03102020T22:50:00	VL034949.D	0.065	05062020T19:33:00	VL034980.D	0.065	05072020T23:10:00	VL035229.D	0.065
03102020T22:50:00	VL034949.D	0.131	05062020T19:33:00	VL034980.D	0.139	05072020T23:10:00	VL035229.D	0.138
03102020T22:50:00	VL034949.D	0.102	05062020T19:33:00	VL034980.D	0.108	05072020T23:10:00	VL035229.D	0.1
03102020T22:50:00	VL034949.D	0.149	05062020T19:33:00	VL034980.D	0.144	05072020T23:10:00	VL035229.D	0.169
03102020T22:50:00	VL034949.D	0.069	05062020T19:33:00	VL034980.D	0.073	05072020T23:10:00	VL035229.D	0.06
03102020T22:50:00	VL034949.D	0.117	05062020T19:33:00	VL034980.D	0.12	05072020T23:10:00	VL035229.D	0.118
03102020T22:50:00	VL034949.D	0.072	05062020T19:33:00	VL034980.D	0.07	05072020T23:10:00	VL035229.D	0.062
03102020T22:50:00	VL034949.D	0.087	05062020T19:33:00	VL034980.D	0.094	05072020T23:10:00	VL035229.D	0.086
03102020T22:12:00	VL034948.D	0.466	05062020T18:55:00	VL034979.D	0.543	05072020T22:32:00	VL035228.D	0.648
03102020T22:50:00	VL034949.D	0	05062020T19:33:00	VL034980.D	0.036	05072020T23:10:00	VL035229.D	0.057
03102020T22:12:00	VL034948.D	0.243	05062020T18:55:00	VL034979.D	0.161	05072020T22:32:00	VL035228.D	0.217
03102020T22:50:00	VL034949.D	0.057	05062020T19:33:00	VL034980.D	0.048	05072020T23:10:00	VL035229.D	0.057
03102020T22:50:00	VL034949.D	0.052	05062020T19:33:00	VL034980.D	0.057	05072020T23:10:00	VL035229.D	0.051
03102020T22:50:00	VL034949.D	0.056	05062020T19:33:00	VL034980.D	0.062	05072020T23:10:00	VL035229.D	0.058
03102020T22:50:00	VL034949.D	0.05	05062020T19:33:00	VL034980.D	0.049	05072020T23:10:00	VL035229.D	0.054
03102020T22:50:00	VL034949.D	0.139	05062020T19:33:00	VL034980.D	0.143	05072020T23:10:00	VL035229.D	0.16
03102020T22:50:00	VL034949.D	0.055	05062020T19:33:00	VL034980.D	0.061	05072020T23:10:00	VL035229.D	0.069
03102020T22:50:00	VL034949.D	0.049	05062020T19:33:00	VL034980.D	0.05	05072020T23:10:00	VL035229.D	0.055
03102020T22:50:00	VL034949.D	0.059	05062020T19:33:00	VL034980.D	0.06	05072020T23:10:00	VL035229.D	0.079
03102020T22:50:00	VL034949.D	0.125	05062020T19:33:00	VL034980.D	0.134	05072020T23:10:00	VL035229.D	0.158
03102020T22:50:00	VL034949.D	0.051	05062020T19:33:00	VL034980.D	0.049	05072020T23:10:00	VL035229.D	0.048
03102020T23:27:00	VL034950.D	0.043	05072020T01:25:00	VL034981.D	0.042	05072020T23:48:00	VL035230.D	0.044
03102020T22:50:00	VL034949.D	0.064	05062020T19:33:00	VL034980.D	0.068	05072020T23:10:00	VL035229.D	0.085
03102020T22:50:00	VL034949.D	0.055	05062020T19:33:00	VL034980.D	0.062	05072020T23:10:00	VL035229.D	0.06
03102020T22:50:00	VL034949.D	0.111	05062020T19:33:00	VL034980.D	0.141	05072020T23:10:00	VL035229.D	0.175
03102020T23:27:00	VL034950.D	0.046	05072020T01:25:00	VL034981.D	0.037	05072020T23:48:00	VL035230.D	0.051
03102020T22:50:00	VL034949.D	0.113	05062020T19:33:00	VL034980.D	0.133	05072020T23:10:00	VL035229.D	0.146
03102020T22:50:00	VL034949.D	0.094	05062020T19:33:00	VL034980.D	0.094	05072020T23:10:00	VL035229.D	0.108
03102020T23:27:00	VL034950.D	0.022	05072020T01:25:00	VL034981.D	0.043	05072020T23:48:00	VL035230.D	0.038

Adate5	Datafile6	Concentration6	Adate6	Datafile7	Concentration7	Adate7	Datafile8	Concentration8
07232020T15:10:00	VL035290.D	0.112	07302020T21:56:00	VL035775.D	0.108	10122020T23:37:00	VL035794.D	0.102
07232020T15:48:00	VL035291.D	0.05	07302020T22:33:00	VL035776.D	0.043	10132020T00:14:00	VL035795.D	0.039
07232020T15:48:00	VL035291.D	0.041	07302020T22:33:00	VL035776.D	0.044	10132020T00:14:00	VL035795.D	0.045
07232020T15:10:00	VL035290.D	0.122	07302020T21:56:00	VL035775.D	0.116	10122020T23:37:00	VL035794.D	0.096
07232020T15:10:00	VL035290.D	0.135	07302020T21:56:00	VL035775.D	0.13	10122020T23:37:00	VL035794.D	0.111
07232020T15:10:00	VL035290.D	0.123	07302020T21:56:00	VL035775.D	0.128	10122020T23:37:00	VL035794.D	0.112
07232020T15:10:00	VL035290.D	0.132	07302020T21:56:00	VL035775.D	0.121	10122020T23:37:00	VL035794.D	0.102
07232020T15:10:00	VL035290.D	0.073	07302020T21:56:00	VL035775.D	0.094	10122020T23:37:00	VL035794.D	0.066
07232020T15:10:00	VL035290.D	0.045	07302020T21:56:00	VL035775.D	0.063	10122020T23:37:00	VL035794.D	0.05
07232020T15:10:00	VL035290.D	0.092	07302020T21:56:00	VL035775.D	0.108	10122020T23:37:00	VL035794.D	0.093
07232020T15:10:00	VL035290.D	0.088	07302020T21:56:00	VL035775.D	0.104	10122020T23:37:00	VL035794.D	0.077
07232020T15:10:00	VL035290.D	0.115	07302020T21:56:00	VL035775.D	0.125	10122020T23:37:00	VL035794.D	0.103
07232020T15:10:00	VL035290.D	0.121	07302020T21:56:00	VL035775.D	0.107	10122020T23:37:00	VL035794.D	0.113
07232020T15:10:00	VL035290.D	0.052	07302020T21:56:00	VL035775.D	0.061	10122020T23:37:00	VL035794.D	0.045
07232020T15:10:00	VL035290.D	0.11	07302020T21:56:00	VL035775.D	0.131	10122020T23:37:00	VL035794.D	0.098
07232020T15:10:00	VL035290.D	0.146	07302020T21:56:00	VL035775.D	0.133	10122020T23:37:00	VL035794.D	0.119
07232020T15:10:00	VL035290.D	0.104	07302020T21:56:00	VL035775.D	0.108	10122020T23:37:00	VL035794.D	0.089
07232020T14:33:00	VL035289.D	0.331	07302020T21:19:00	VL035774.D	0.5	10122020T23:00:00	VL035793.D	0.322
07232020T15:10:00	VL035290.D	0.059	07302020T21:56:00	VL035775.D	0.078	10122020T23:37:00	VL035794.D	0.06
07232020T15:10:00	VL035290.D	0.103	07302020T21:56:00	VL035775.D	0.113	10122020T23:37:00	VL035794.D	0.1
07232020T15:10:00	VL035290.D	0.062	07302020T21:56:00	VL035775.D	0.079	10122020T23:37:00	VL035794.D	0.059
07232020T15:10:00	VL035290.D	0.049	07302020T21:56:00	VL035775.D	0.072	10122020T23:37:00	VL035794.D	0.056
07232020T15:10:00	VL035290.D	0.052	07302020T21:56:00	VL035775.D	0.062	10122020T23:37:00	VL035794.D	0.042
07232020T15:10:00	VL035290.D	0.062	07302020T21:56:00	VL035775.D	0.075	10122020T23:37:00	VL035794.D	0.065
07232020T14:33:00	VL035289.D	0.533	07302020T21:19:00	VL035774.D	0.588	10122020T23:00:00	VL035793.D	0.539
07232020T15:10:00	VL035290.D	0.15	07302020T21:56:00	VL035775.D	0.118	10122020T23:37:00	VL035794.D	0.1
07232020T15:10:00	VL035290.D	0.08	07302020T21:56:00	VL035775.D	0.096	10122020T23:37:00	VL035794.D	0.068
07232020T14:33:00	VL035289.D	0.356	07302020T21:19:00	VL035774.D	0.343	10122020T23:00:00	VL035793.D	0.317
07232020T15:10:00	VL035290.D	0.111	07302020T21:56:00	VL035775.D	0.102	10122020T23:37:00	VL035794.D	0.095
07232020T15:10:00	VL035290.D	0.114	07302020T21:56:00	VL035775.D	0.121	10122020T23:37:00	VL035794.D	0.102
07232020T15:10:00	VL035290.D	0.083	07302020T21:56:00	VL035775.D	0.069	10122020T23:37:00	VL035794.D	0.069
07232020T15:10:00	VL035290.D	0.159	07302020T21:56:00	VL035775.D	0.13	10122020T23:37:00	VL035794.D	0.113
07232020T15:10:00	VL035290.D	0.112	07302020T21:56:00	VL035775.D	0.107	10122020T23:37:00	VL035794.D	0.095
07232020T15:48:00	VL035291.D	0.044	07302020T22:33:00	VL035776.D	0.039	10132020T00:14:00	VL035795.D	0.042
07232020T15:10:00	VL035290.D	0.127	07302020T21:56:00	VL035775.D	0.132	10122020T23:37:00	VL035794.D	0.114
07232020T15:10:00	VL035290.D	0.135	07302020T21:56:00	VL035775.D	0.132	10122020T23:37:00	VL035794.D	0.114
07232020T15:10:00	VL035290.D	0.139	07302020T21:56:00	VL035775.D	0.124	10122020T23:37:00	VL035794.D	0.115
07232020T15:10:00	VL035290.D	0.142	07302020T21:56:00	VL035775.D	0.133	10122020T23:37:00	VL035794.D	0.114
07232020T15:10:00	VL035290.D	0.142	07302020T21:56:00	VL035775.D	0.142	10122020T23:37:00	VL035794.D	0.116
07232020T15:10:00	VL035290.D	0.097	07302020T21:56:00	VL035775.D	0.111	10122020T23:37:00	VL035794.D	0.074
07232020T15:10:00	VL035290.D	0.069	07302020T21:56:00	VL035775.D	0.076	10122020T23:37:00	VL035794.D	0.065
07232020T15:10:00	VL035290.D	0.133	07302020T21:56:00	VL035775.D	0.114	10122020T23:37:00	VL035794.D	0.098
07232020T15:10:00	VL035290.D	0.088	07302020T21:56:00	VL035775.D	0.08	10122020T23:37:00	VL035794.D	0.078
07232020T15:10:00	VL035290.D	0.209	07302020T21:56:00	VL035775.D	0.195	10122020T23:37:00	VL035794.D	0.161
07232020T15:10:00	VL035290.D	0.156	07302020T21:56:00	VL035775.D	0.135	10122020T23:37:00	VL035794.D	0.116
07232020T14:33:00	VL035289.D	0.529	07302020T21:19:00	VL035774.D	0.51	10122020T23:00:00	VL035793.D	0.549
07232020T15:10:00	VL035290.D	0.109	07302020T21:56:00	VL035775.D	0.115	10122020T23:37:00	VL035794.D	0.102
07232020T15:10:00	VL035290.D	0.067	07302020T21:56:00	VL035775.D	0.078	10122020T23:37:00	VL035794.D	0.058
07232020T15:10:00	VL035290.D	0.056	07302020T21:56:00	VL035775.D	0.071	10122020T23:37:00	VL035794.D	0.056
07232020T15:10:00	VL035290.D	0.13	07302020T21:56:00	VL035775.D	0.14	10122020T23:37:00	VL035794.D	0.122
07232020T15:10:00	VL035290.D	0.095	07302020T21:56:00	VL035775.D	0.114	10122020T23:37:00	VL035794.D	0.091
07232020T15:10:00	VL035290.D	0.143	07302020T21:56:00	VL035775.D	0.168	10122020T23:37:00	VL035794.D	0.134
07232020T15:10:00	VL035290.D	0.062	07302020T21:56:00	VL035775.D	0.081	10122020T23:37:00	VL035794.D	0.064
07232020T15:10:00	VL035290.D	0.104	07302020T21:56:00	VL035775.D	0.148	10122020T23:37:00	VL035794.D	0.109
07232020T15:10:00	VL035290.D	0.073	07302020T21:56:00	VL035775.D	0.07	10122020T23:37:00	VL035794.D	0.058
07232020T15:10:00	VL035290.D	0.087	07302020T21:56:00	VL035775.D	0.101	10122020T23:37:00	VL035794.D	0.07
07232020T14:33:00	VL035289.D	0.626	07302020T21:19:00	VL035774.D	0.592	10122020T23:00:00	VL035793.D	0.526
07232020T15:10:00	VL035290.D	0.055	07302020T21:56:00	VL035775.D	0.066	10122020T23:37:00	VL035794.D	0.045
07232020T14:33:00	VL035289.D	0.245	07302020T21:19:00	VL035774.D	0.339	10122020T23:00:00	VL035793.D	0.229
07232020T15:10:00	VL035290.D	0.056	07302020T21:56:00	VL035775.D	0.063	10122020T23:37:00	VL035794.D	0.045
07232020T15:10:00	VL035290.D	0.045	07302020T21:56:00	VL035775.D	0.061	10122020T23:37:00	VL035794.D	0.043
07232020T15:10:00	VL035290.D	0.055	07302020T21:56:00	VL035775.D	0.08	10122020T23:37:00	VL035794.D	0.069
07232020T15:10:00	VL035290.D	0.048	07302020T21:56:00	VL035775.D	0.056	10122020T23:37:00	VL035794.D	0.04
07232020T15:10:00	VL035290.D	0.158	07302020T21:56:00	VL035775.D	0.188	10122020T23:37:00	VL035794.D	0.162
07232020T15:10:00	VL035290.D	0.062	07302020T21:56:00	VL035775.D	0.07	10122020T23:37:00	VL035794.D	0.052
07232020T15:10:00	VL035290.D	0.056	07302020T21:56:00	VL035775.D	0.056	10122020T23:37:00	VL035794.D	0.038
07232020T15:10:00	VL035290.D	0.073	07302020T21:56:00	VL035775.D	0.068	10122020T23:37:00	VL035794.D	0.055
07232020T15:10:00	VL035290.D	0.132	07302020T21:56:00	VL035775.D	0.148	10122020T23:37:00	VL035794.D	0.119
07232020T15:10:00	VL035290.D	0.054	07302020T21:56:00	VL035775.D	0.067	10122020T23:37:00	VL035794.D	0.046
07232020T15:48:00	VL035291.D	0.053	07302020T22:33:00	VL035776.D	0.039	10132020T00:14:00	VL035795.D	0.037
07232020T15:10:00	VL035290.D	0.065	07302020T21:56:00	VL035775.D	0.07	10122020T23:37:00	VL035794.D	0.054
07232020T15:10:00	VL035290.D	0.061	07302020T21:56:00	VL035775.D	0.075	10122020T23:37:00	VL035794.D	0.056
07232020T15:10:00	VL035290.D	0.172	07302020T21:56:00	VL035775.D	0.128	10122020T23:37:00	VL035794.D	0.107
07232020T15:48:00	VL035291.D	0.035	07302020T22:33:00	VL035776.D	0.041	10132020T00:14:00	VL035795.D	0.039
07232020T15:10:00	VL035290.D	0.149	07302020T21:56:00	VL035775.D	0.13	10122020T23:37:00	VL035794.D	0.116
07232020T15:10:00	VL035290.D	0.084	07302020T21:56:00	VL035775.D	0.122	10122020T23:37:00	VL035794.D	0.085
07232020T15:48:00	VL035291.D	0.051	07302020T22:33:00	VL035776.D	0.044	10132020T00:14:00	VL035795.D	0.046

Adate8	Datafile9	Concentration9	Adate9	Datafile10	Concentration10	Adate10	Datafile11	Concentration11
10192020T14:39:00	VL033447.D	0.09	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.086
10192020T15:16:00	VL033448.D	0.034	03252019T22:44:00	VL033469.D	0.039	03272019T15:23:00	VL033607.D	0.042
10192020T15:16:00	VL033448.D	0.036	03252019T22:44:00	VL033469.D	0.038	03272019T15:23:00	VL033607.D	0.033
10192020T14:39:00	VL033447.D	0.1	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.085
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.098
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.089
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.13	03272019T14:45:00	VL033594.D	0.097
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.037
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.06	03272019T14:45:00	VL033594.D	0.035
10192020T14:39:00	VL033447.D	0.08	03252019T22:06:00	VL033468.D	0.1	03272019T14:45:00	VL033594.D	0.064
10192020T14:39:00	VL033447.D	0.08	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.065
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.086
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.09	03272019T14:45:00	VL033594.D	0.079
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.06	03272019T14:45:00	VL033594.D	0.037
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.12	03272019T14:45:00	VL033594.D	0.095
10192020T14:39:00	VL033447.D	0.1	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.088
10192020T14:39:00	VL033447.D	0.08	03252019T22:06:00	VL033468.D	0.1	03272019T14:45:00	VL033594.D	0.07
10192020T14:03:00	VL033446.D	0.6	03252019T21:28:00	VL033467.D	0.48	03272019T14:08:00	VL033605.D	0.612
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.054
10192020T14:39:00	VL033447.D	0.09	03252019T22:06:00	VL033468.D	0.1	03272019T14:45:00	VL033594.D	0.075
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.048
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.06	03272019T14:45:00	VL033594.D	0.037
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.06	03272019T14:45:00	VL033594.D	0.035
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.07	03272019T14:45:00	VL033594.D	0.061
10192020T14:03:00	VL033446.D	0.248	03252019T21:28:00	VL033467.D	0.252	03272019T14:08:00	VL033605.D	0.26
10192020T14:39:00	VL033447.D	0.1	03252019T22:06:00	VL033468.D	0.12	03272019T14:45:00	VL033594.D	0.083
10192020T14:39:00	VL033447.D	0.08	03252019T22:06:00	VL033468.D	0.09	03272019T14:45:00	VL033594.D	0.069
10192020T14:03:00	VL033446.D	0.47	03252019T21:28:00	VL033467.D	0.43	03272019T14:08:00	VL033605.D	0.554
10192020T14:39:00	VL033447.D	0.09	03252019T22:06:00	VL033468.D	0.1	03272019T14:45:00	VL033594.D	0.076
10192020T14:39:00	VL033447.D	0.12	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.086
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.045
10192020T14:39:00	VL033447.D	0.13	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.103
10192020T14:39:00	VL033447.D	0.09	03252019T22:06:00	VL033468.D	0.1	03272019T14:45:00	VL033594.D	0.07
10192020T15:16:00	VL033448.D	0.039	03252019T22:44:00	VL033469.D	0.035	03272019T15:23:00	VL033607.D	0.042
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.13	03272019T14:45:00	VL033594.D	0.095
10192020T14:39:00	VL033447.D	0.12	03252019T22:06:00	VL033468.D	0.13	03272019T14:45:00	VL033594.D	0.112
10192020T14:39:00	VL033447.D	0.14	03252019T22:06:00	VL033468.D	0.16	03272019T14:45:00	VL033594.D	0.111
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.12	03272019T14:45:00	VL033594.D	0.099
10192020T14:39:00	VL033447.D	0.12	03252019T22:06:00	VL033468.D	0.14	03272019T14:45:00	VL033594.D	0.1
10192020T14:39:00	VL033447.D	0.08	03252019T22:06:00	VL033468.D	0.09	03272019T14:45:00	VL033594.D	0.071
10192020T14:39:00	VL033447.D	0.07	03252019T22:06:00	VL033468.D	0.07	03272019T14:45:00	VL033594.D	0.057
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.17	03272019T14:45:00	VL033594.D	0.12
10192020T14:39:00	VL033447.D	0.08	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.058
10192020T14:39:00	VL033447.D	0.15	03252019T22:06:00	VL033468.D	0.18	03272019T14:45:00	VL033594.D	0.125
10192020T14:39:00	VL033447.D	0.12	03252019T22:06:00	VL033468.D	0.13	03272019T14:45:00	VL033594.D	0.094
10192020T14:03:00	VL033446.D	0.462	03252019T21:28:00	VL033467.D	0.444	03272019T14:08:00	VL033605.D	0.343
10192020T14:39:00	VL033447.D	0.09	03252019T22:06:00	VL033468.D	0.11	03272019T14:45:00	VL033594.D	0.082
10192020T14:39:00	VL033447.D	0.07	03252019T22:06:00	VL033468.D	0.07	03272019T14:45:00	VL033594.D	0.047
10192020T14:39:00	VL033447.D	0.07	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.053
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.13	03272019T14:45:00	VL033594.D	0.097
10192020T14:39:00	VL033447.D	0.1	03252019T22:06:00	VL033468.D	0.1	03272019T14:45:00	VL033594.D	0.076
10192020T14:39:00	VL033447.D	0.13	03252019T22:06:00	VL033468.D	0.16	03272019T14:45:00	VL033594.D	0.107
10192020T14:39:00	VL033447.D	0.07	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.056
10192020T14:39:00	VL033447.D	0.12	03252019T22:06:00	VL033468.D	0.12	03272019T14:45:00	VL033594.D	0.096
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.07	03272019T14:45:00	VL033594.D	0.044
10192020T14:39:00	VL033447.D	0.08	03252019T22:06:00	VL033468.D	0.1	03272019T14:45:00	VL033594.D	0.061
10192020T14:03:00	VL033446.D	0.49	03252019T21:28:00	VL033467.D	0.51	03272019T14:08:00	VL033605.D	0.533
10192020T14:39:00	VL033447.D	0.04	03252019T22:06:00	VL033468.D	0.05	03272019T14:45:00	VL033594.D	0
10192020T14:03:00	VL033446.D	0.068	03252019T21:28:00	VL033467.D	0.143	03272019T14:08:00	VL033605.D	0
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.06	03272019T14:45:00	VL033594.D	0.032
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.042
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.06	03272019T14:45:00	VL033594.D	0.045
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.05	03272019T14:45:00	VL033594.D	0.033
10192020T14:39:00	VL033447.D	0.13	03252019T22:06:00	VL033468.D	0.13	03272019T14:45:00	VL033594.D	0.094
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.07	03272019T14:45:00	VL033594.D	0.049
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.06	03272019T14:45:00	VL033594.D	0.044
10192020T14:39:00	VL033447.D	0.05	03252019T22:06:00	VL033468.D	0.07	03272019T14:45:00	VL033594.D	0.046
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.14	03272019T14:45:00	VL033594.D	0.134
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.06	03272019T14:45:00	VL033594.D	0.037
10192020T15:16:00	VL033448.D	0.025	03252019T22:44:00	VL033469.D	0.039	03272019T15:23:00	VL033607.D	0.026
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.08	03272019T14:45:00	VL033594.D	0.049
10192020T14:39:00	VL033447.D	0.06	03252019T22:06:00	VL033468.D	0.07	03272019T14:45:00	VL033594.D	0.046
10192020T14:39:00	VL033447.D	0.11	03252019T22:06:00	VL033468.D	0.12	03272019T14:45:00	VL033594.D	0.092
10192020T15:16:00	VL033448.D	0.04	03252019T22:44:00	VL033469.D	0.035	03272019T15:23:00	VL033607.D	0.033
10192020T14:39:00	VL033447.D	0.12	03252019T22:06:00	VL033468.D	0.13	03272019T14:45:00	VL033594.D	0.1
10192020T14:39:00	VL033447.D	0.1	03252019T22:06:00	VL033468.D	0.1	03272019T14:45:00	VL033594.D	0.057
10192020T15:16:00	VL033448.D	0.048	03252019T22:44:00	VL033469.D	0.039	03272019T15:23:00	VL033607.D	0.051

Adate11	Datafile12	Concentration12	Adate12	Datafile13	Concentration13	Adate13	Datafile14	Concentration14
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.12	07032019T03:47:00	VL034012.D	0.11
04172019T18:09:00	VL033665.D	0.037	05062019T19:09:00	VL034005.D	0.046	07032019T04:24:00	VL034013.D	0.047
04172019T18:09:00	VL033665.D	0.038	05062019T19:09:00	VL034005.D	0.038	07032019T04:24:00	VL034013.D	0.038
04162019T16:14:00	VL033681.D	0.1	05072019T14:17:00	VL034004.D	0.11	07032019T03:47:00	VL034012.D	0.12
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.13	07032019T03:47:00	VL034012.D	0.12
04162019T16:14:00	VL033681.D	0.11	05072019T14:17:00	VL034004.D	0.12	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.12	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.09	05072019T14:17:00	VL034004.D	0.08	07032019T03:47:00	VL034012.D	0.08
04162019T16:14:00	VL033681.D	0.05	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.09	05072019T14:17:00	VL034004.D	0.09	07032019T03:47:00	VL034012.D	0.09
04162019T16:14:00	VL033681.D	0.09	05072019T14:17:00	VL034004.D	0.08	07032019T03:47:00	VL034012.D	0.09
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.1	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.14	07032019T03:47:00	VL034012.D	0.1
04162019T16:14:00	VL033681.D	0.06	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.11	05072019T14:17:00	VL034004.D	0.12	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.13	07032019T03:47:00	VL034012.D	0.12
04162019T16:14:00	VL033681.D	0.11	05072019T14:17:00	VL034004.D	0.08	07032019T03:47:00	VL034012.D	0.1
04172019T16:53:00	VL033666.D	0.472	05062019T19:48:00	VL034003.D	0.459	07032019T03:10:00	VL034011.D	0.5
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.06	07032019T03:47:00	VL034012.D	0.07
04162019T16:14:00	VL033681.D	0.1	05072019T14:17:00	VL034004.D	0.09	07032019T03:47:00	VL034012.D	0.1
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.06	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.06	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.04
04162019T16:14:00	VL033681.D	0.06	05072019T14:17:00	VL034004.D	0.04	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.09	05072019T14:17:00	VL034004.D	0.06	07032019T03:47:00	VL034012.D	0.07
04172019T16:53:00	VL033666.D	0.332	05062019T19:48:00	VL034003.D	0.312	07032019T03:10:00	VL034011.D	0.283
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.13	07032019T03:47:00	VL034012.D	0.12
04162019T16:14:00	VL033681.D	0.1	05072019T14:17:00	VL034004.D	0.09	07032019T03:47:00	VL034012.D	0.09
04172019T16:53:00	VL033666.D	0.427	05062019T19:48:00	VL034003.D	0.439	07032019T03:10:00	VL034011.D	0.5
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.11	07032019T03:47:00	VL034012.D	0.1
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.14	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.08	05072019T14:17:00	VL034004.D	0.08	07032019T03:47:00	VL034012.D	0.09
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.14	07032019T03:47:00	VL034012.D	0.12
04162019T16:14:00	VL033681.D	0.1	05072019T14:17:00	VL034004.D	0.11	07032019T03:47:00	VL034012.D	0.1
04172019T18:09:00	VL033665.D	0.036	05062019T19:09:00	VL034005.D	0.05	07032019T04:24:00	VL034013.D	0.044
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.12	07032019T03:47:00	VL034012.D	0.12
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.14	07032019T03:47:00	VL034012.D	0.14
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.14	07032019T03:47:00	VL034012.D	0.16
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.13	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.13	07032019T03:47:00	VL034012.D	0.14
04162019T16:14:00	VL033681.D	0.1	05072019T14:17:00	VL034004.D	0.1	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.08	07032019T03:47:00	VL034012.D	0.08
04162019T16:14:00	VL033681.D	0.1	05072019T14:17:00	VL034004.D	0.13	07032019T03:47:00	VL034012.D	0.17
04162019T16:14:00	VL033681.D	0.09	05072019T14:17:00	VL034004.D	0.09	07032019T03:47:00	VL034012.D	0.09
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.17	07032019T03:47:00	VL034012.D	0.16
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.15	07032019T03:47:00	VL034012.D	0.13
04172019T16:53:00	VL033666.D	0.394	05062019T19:48:00	VL034003.D	0.318	07032019T03:10:00	VL034011.D	0.351
04162019T16:14:00	VL033681.D	0.11	05072019T14:17:00	VL034004.D	0.1	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.06	07032019T03:47:00	VL034012.D	0.06
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.07	07032019T03:47:00	VL034012.D	0.07
04162019T16:14:00	VL033681.D	0.14	05072019T14:17:00	VL034004.D	0.15	07032019T03:47:00	VL034012.D	0.16
04162019T16:14:00	VL033681.D	0.11	05072019T14:17:00	VL034004.D	0.1	07032019T03:47:00	VL034012.D	0.1
04162019T16:14:00	VL033681.D	0.16	05072019T14:17:00	VL034004.D	0.16	07032019T03:47:00	VL034012.D	0.13
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.06	07032019T03:47:00	VL034012.D	0.06
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.12	07032019T03:47:00	VL034012.D	0.11
04162019T16:14:00	VL033681.D	0.08	05072019T14:17:00	VL034004.D	0.07	07032019T03:47:00	VL034012.D	0.07
04162019T16:14:00	VL033681.D	0.09	05072019T14:17:00	VL034004.D	0.09	07032019T03:47:00	VL034012.D	0.08
04172019T16:53:00	VL033666.D	0.424	05062019T19:48:00	VL034003.D	0.483	07032019T03:10:00	VL034011.D	0.45
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.05
04172019T16:53:00	VL033666.D	0.209	05062019T19:48:00	VL034003.D	0.269	07032019T03:10:00	VL034011.D	0.313
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.06	05072019T14:17:00	VL034004.D	0.04	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.06	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.05	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.14	07032019T03:47:00	VL034012.D	0.14
04162019T16:14:00	VL033681.D	0.06	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.05
04162019T16:14:00	VL033681.D	0.05	05072019T14:17:00	VL034004.D	0.04	07032019T03:47:00	VL034012.D	0.06
04162019T16:14:00	VL033681.D	0.08	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.07
04162019T16:14:00	VL033681.D	0.14	05072019T14:17:00	VL034004.D	0.14	07032019T03:47:00	VL034012.D	0.13
04162019T16:14:00	VL033681.D	0.05	05072019T14:17:00	VL034004.D	0.05	07032019T03:47:00	VL034012.D	0.05
04172019T18:09:00	VL033665.D	0.043	05062019T19:09:00	VL034005.D	0.036	07032019T04:24:00	VL034013.D	0.035
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.09	07032019T03:47:00	VL034012.D	0.08
04162019T16:14:00	VL033681.D	0.07	05072019T14:17:00	VL034004.D	0.06	07032019T03:47:00	VL034012.D	0.07
04162019T16:14:00	VL033681.D	0.12	05072019T14:17:00	VL034004.D	0.14	07032019T03:47:00	VL034012.D	0.13
04172019T18:09:00	VL033665.D	0.038	05062019T19:09:00	VL034005.D	0.039	07032019T04:24:00	VL034013.D	0.032
04162019T16:14:00	VL033681.D	0.13	05072019T14:17:00	VL034004.D	0.13	07032019T03:47:00	VL034012.D	0.14
04162019T16:14:00	VL033681.D	0.09	05072019T14:17:00	VL034004.D	0.12	07032019T03:47:00	VL034012.D	0.1
04172019T18:09:00	VL033665.D	0.029	05062019T19:09:00	VL034005.D	0.047	07032019T04:24:00	VL034013.D	0.052

Adate14	Datafile15	Concentration15	Adate15	Datafile16	Concentration16	Adate16	ColumnNo	SeqID	Department
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.1	10172019T18:02:00		160	VOC
07082019T16:03:00	VL034313.D	0.029	10172019T01:19:00	VL034322.D	0.041	10172019T18:40:00		140	VOC
07082019T16:03:00	VL034313.D	0.027	10172019T01:19:00	VL034322.D	0.037	10172019T18:40:00		285	VOC
07082019T15:26:00	VL034312.D	0.12	10172019T00:40:00	VL034321.D	0.11	10172019T18:02:00		116	VOC
07082019T15:26:00	VL034312.D	0.12	10172019T00:40:00	VL034321.D	0.13	10172019T18:02:00		260	VOC
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.12	10172019T18:02:00		5	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.1	10172019T18:02:00		340	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		280	VOC
07082019T15:26:00	VL034312.D	0.07	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		240	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.1	10172019T18:02:00		140	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.11	10172019T18:02:00		275	VOC
07082019T15:26:00	VL034312.D	0.12	10172019T00:40:00	VL034321.D	0.12	10172019T18:02:00		3	VOC
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.1	10172019T18:02:00		9998	VOC
07082019T15:26:00	VL034312.D	0.07	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		230	VOC
07082019T15:26:00	VL034312.D	0.12	10172019T00:40:00	VL034321.D	0.09	10172019T18:02:00		30	VOC
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.12	10172019T18:02:00		250	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.09	10172019T18:02:00		255	VOC
07082019T14:48:00	VL034311.D	0.4	10172019T00:01:00	VL034320.D	0.54	10172019T17:23:00		9998	VOC
07082019T15:26:00	VL034312.D	0.07	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		9982	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.11	10172019T18:02:00		518	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		225	VOC
07082019T15:26:00	VL034312.D	0.07	10172019T00:40:00	VL034321.D	0.06	10172019T18:02:00		125	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		335	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		70	VOC
07082019T14:48:00	VL034311.D	0.295	10172019T00:01:00	VL034320.D	0.296	10172019T17:23:00		70	VOC
07082019T15:26:00	VL034312.D	0.09	10172019T00:40:00	VL034321.D	0.11	10172019T18:02:00		37	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.09	10172019T18:02:00		9999	VOC
07082019T14:48:00	VL034311.D	0.57	10172019T00:01:00	VL034320.D	0.57	10172019T17:23:00		9998	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.11	10172019T18:02:00		6	VOC
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.11	10172019T18:02:00		285	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.09	10172019T18:02:00		190	VOC
07082019T15:26:00	VL034312.D	0.13	10172019T00:40:00	VL034321.D	0.14	10172019T18:02:00		105	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.1	10172019T18:02:00		35	VOC
07082019T16:03:00	VL034313.D	0.027	10172019T01:19:00	VL034322.D	0.034	10172019T18:40:00		116	VOC
07082019T15:26:00	VL034312.D	0.12	10172019T00:40:00	VL034321.D	0.12	10172019T18:02:00		151	VOC
07082019T15:26:00	VL034312.D	0.13	10172019T00:40:00	VL034321.D	0.13	10172019T18:02:00		100	VOC
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.12	10172019T18:02:00		16	VOC
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.1	10172019T18:02:00		80	VOC
07082019T15:26:00	VL034312.D	0.13	10172019T00:40:00	VL034321.D	0.14	10172019T18:02:00		40	VOC
07082019T15:26:00	VL034312.D	0.09	10172019T00:40:00	VL034321.D	0.1	10172019T18:02:00		75	VOC
07082019T15:26:00	VL034312.D	0.07	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		115	VOC
07082019T15:26:00	VL034312.D	0.15	10172019T00:40:00	VL034321.D	0.17	10172019T18:02:00		50	VOC
07082019T15:26:00	VL034312.D	0.09	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		135	VOC
07082019T15:26:00	VL034312.D	0.15	10172019T00:40:00	VL034321.D	0.13	10172019T18:02:00		325	VOC
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.12	10172019T18:02:00		265	VOC
07082019T14:48:00	VL034311.D	0.491	10172019T00:01:00	VL034320.D	0.444	10172019T17:23:00		6	VOC
07082019T15:26:00	VL034312.D	0.11	10172019T00:40:00	VL034321.D	0.11	10172019T18:02:00		999	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		165	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		320	VOC
07082019T15:26:00	VL034312.D	0.1	10172019T00:40:00	VL034321.D	0.09	10172019T18:02:00		29	VOC
07082019T15:26:00	VL034312.D	0.09	10172019T00:40:00	VL034321.D	0.1	10172019T18:02:00		370	VOC
07082019T15:26:00	VL034312.D	0.14	10172019T00:40:00	VL034321.D	0.16	10172019T18:02:00		330	VOC
07082019T15:26:00	VL034312.D	0.09	10172019T00:40:00	VL034321.D	0.09	10172019T18:02:00		195	VOC
07082019T15:26:00	VL034312.D	0.17	10172019T00:40:00	VL034321.D	0.16	10172019T18:02:00		170	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		40	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.09	10172019T18:02:00		350	VOC
07082019T14:48:00	VL034014.D	0.461	07082019T16:40:00	VL034320.D	0.54	10172019T17:23:00		90	VOC
07082019T15:26:00	VL034312.D	0.05	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		300	VOC
07082019T14:48:00	VL034311.D	0.122	10172019T00:01:00	VL034320.D	0.166	10172019T17:23:00		375	VOC
07082019T15:26:00	VL034312.D	0.07	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		270	VOC
07082019T15:26:00	VL034312.D	0.06	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		210	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		175	VOC
07082019T15:26:00	VL034312.D	0.06	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		25	VOC
07082019T15:26:00	VL034312.D	0.12	10172019T00:40:00	VL034321.D	0.15	10172019T18:02:00		305	VOC
07082019T15:26:00	VL034312.D	0.07	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		245	VOC
07082019T15:26:00	VL034312.D	0.06	10172019T00:40:00	VL034321.D	0.06	10172019T18:02:00		185	VOC
07082019T15:26:00	VL034312.D	0.06	10172019T00:40:00	VL034321.D	0.08	10172019T18:02:00		110	VOC
07082019T15:26:00	VL034312.D	0.14	10172019T00:40:00	VL034321.D	0.17	10172019T18:02:00		310	VOC
07082019T15:26:00	VL034312.D	0.07	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		235	VOC
07082019T16:03:00	VL034313.D	0.028	10172019T01:19:00	VL034322.D	0.04	10172019T18:40:00		240	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.09	10172019T18:02:00		20	VOC
07082019T15:26:00	VL034312.D	0.08	10172019T00:40:00	VL034321.D	0.07	10172019T18:02:00		10	VOC
07082019T15:26:00	VL034312.D	0.12	10172019T00:40:00	VL034321.D	0.13	10172019T18:02:00		365	VOC
07082019T16:03:00	VL034313.D	0.028	10172019T01:19:00	VL034322.D	0.038	10172019T18:40:00		170	VOC
07082019T15:26:00	VL034312.D	0.13	10172019T00:40:00	VL034321.D	0.13	10172019T18:02:00		205	VOC
07082019T15:26:00	VL034312.D	0.09	10172019T00:40:00	VL034321.D	0.12	10172019T18:02:00		100	VOC
07082019T16:03:00	VL034313.D	0.034	10172019T01:19:00	VL034322.D	0.046	10172019T18:40:00		15	VOC

SAMPLE DATA

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	10/25/21
Client Sample ID:	SVE-INFLUENT	SDG No.:	M4339
Lab Sample ID:	M4339-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL037900.D	1		10/25/21 19:17	VL102521

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.21	1.04	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.22	0.45	J	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.16	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.34	1.91	J	0.22	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	0.31	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.35	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.12	1.52	ug/m3
142-82-5	Heptane	0.23	0.94	J	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.20	1.98	ug/m3
67-64-1	Acetone	3.50	8.31		0.90	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.12	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.11	1.80	ug/m3
75-09-2	Methylene Chloride	8.30	28.8		1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.16	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.24	1.72	ug/m3
78-93-3	2-Butanone	0.53	1.56		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.060	0.38		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	1.90	7.53		0.16	1.98	ug/m3
67-66-3	Chloroform	0.22	1.07	J	0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.43	2.35		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.15	0.70	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.20	0.64	J	0.10	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.16	2.02	ug/m3
79-01-6	Trichloroethene	1.60	8.60		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.18	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.20	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.12	2.05	ug/m3
108-88-3	Toluene	1.80	6.78		0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.090	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	0.50	4.26	U	0.26	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.50	3.84	U	0.23	3.84	ug/m3
127-18-4	Tetrachloroethene	12.4	84.1		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	10/25/21
Client Sample ID:	SVE-INFLUENT	SDG No.:	M4339
Lab Sample ID:	M4339-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL037900.D	1		10/25/21 19:17	VL102521

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.50	2.30	U	0.14	2.30	ug/m3
100-41-4	Ethyl Benzene	0.15	0.65	J	0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	0.36	1.56	J	0.26	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	J	0.17	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.13	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.16	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.10	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.15	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.18	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.30	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.53	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.50	2.62	U	0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.15	2.46	ug/m3
110-54-3	Hexane	1.80	6.34		0.11	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.86	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.12	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135	104%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1380000		5.68			
540-36-3	1,4-Difluorobenzene	3940000		7.19			
3114-55-4	Chlorobenzene-d5	3300000		12.1			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	10/25/21
Client Sample ID:	SVE-EFFLUENT	SDG No.:	M4339
Lab Sample ID:	M4339-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL037898.D	1		10/25/21 17:43	VL102521

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.22	1.09	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.17	0.35	J	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.16	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.45	2.53	J	0.22	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	0.31	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.35	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.12	1.52	ug/m3
142-82-5	Heptane	0.28	1.15	J	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.20	1.98	ug/m3
67-64-1	Acetone	2.00	4.75		0.90	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.12	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.11	1.80	ug/m3
75-09-2	Methylene Chloride	4.20	14.6		1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.15	0.59	J	0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.16	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.24	1.72	ug/m3
78-93-3	2-Butanone	0.33	0.97	J	0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.040	0.25		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	4.00	15.9		0.16	1.98	ug/m3
67-66-3	Chloroform	0.41	2.00	J	0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.65	3.55		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.11	0.51	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.21	0.67	J	0.10	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.16	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.18	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.20	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.12	2.05	ug/m3
108-88-3	Toluene	2.30	8.67		0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.090	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	0.50	4.26	U	0.26	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.50	3.84	U	0.23	3.84	ug/m3
127-18-4	Tetrachloroethene	0.38	2.58		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	10/25/21
Client Sample ID:	SVE-EFFLUENT	SDG No.:	M4339
Lab Sample ID:	M4339-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL037898.D	1		10/25/21 17:43	VL102521

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.50	2.30	U	0.14	2.30	ug/m3
100-41-4	Ethyl Benzene	0.16	0.69	J	0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	0.40	1.74	J	0.26	4.34	ug/m3
95-47-6	o-Xylene	0.13	0.56	J	0.17	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.13	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.16	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.10	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.15	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.18	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.30	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.53	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.50	2.62	U	0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.15	2.46	ug/m3
110-54-3	Hexane	1.20	4.23		0.11	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.86	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.12	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.5			65 - 135	105%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1310000		5.68			
540-36-3	1,4-Difluorobenzene	3740000		7.19			
3114-55-4	Chlorobenzene-d5	3090000		12.1			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

QC SUMMARY

Surrogate Summary

SDG No.: M4339

Client: EA Engineering Science & Technology

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
M4339-01	SVE-INFLUENT	1-Bromo-4-Fluorobenzene	10	10.4	104	65	135
M4339-02	SVE-EFFLUENT	1-Bromo-4-Fluorobenzene	10	10.5	105	65	135
M4339-02DUP	SVE-EFFLUENTDUP	1-Bromo-4-Fluorobenzene	10	10.2	102	65	135
VL1025ABL01	VL1025ABL01	1-Bromo-4-Fluorobenzene	10	9.80	98	65	135
VL1025ABS01	VL1025ABS01	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4339

Client: EA Engineering Science & Technology

Analytical Method: SWTO-15 **Datafile :** VL037893.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL1025ABS01	Dichlorodifluoromethane	10	8.10	ppbv	81			70	130	
	Chloromethane	10	9.50	ppbv	95			70	130	
	Vinyl Chloride	10	10.0	ppbv	100			70	130	
	Bromomethane	10	9.00	ppbv	90			70	130	
	Chloroethane	10	9.20	ppbv	92			70	130	
	Tetrahydrofuran	10	9.40	ppbv	94			70	130	
	Trichlorofluoromethane	10	9.30	ppbv	93			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.10	ppbv	91			70	130	
	Dichlorotetrafluoethane	10	9.40	ppbv	94			70	130	
	tert-Butyl Alcohol	10	9.10	ppbv	91			70	130	
	Heptane	10	10.0	ppbv	100			70	130	
	1,1-Dichloroethene	10	9.40	ppbv	94			70	130	
	Acetone	10	10.7	ppbv	107			70	130	
	Carbon disulfide	10	10.6	ppbv	106			70	130	
	Methyl tert-butyl Ether	10	8.90	ppbv	89			70	130	
	Methylene Chloride	10	8.70	ppbv	87			70	130	
	trans-1,2-Dichloroethene	10	9.40	ppbv	94			70	130	
	1,1-Dichloroethane	10	9.60	ppbv	96			70	130	
	Cyclohexane	10	9.20	ppbv	92			70	130	
	2-Butanone	10	9.10	ppbv	91			70	130	
	Carbon Tetrachloride	10	9.80	ppbv	98			70	130	
	cis-1,2-Dichloroethene	10	9.30	ppbv	93			70	130	
	Chloroform	10	9.20	ppbv	92			70	130	
	1,1,1-Trichloroethane	10	9.30	ppbv	93			70	130	
	2,2,4-Trimethylpentane	10	9.60	ppbv	96			70	130	
	Benzene	10	9.50	ppbv	95			70	130	
	1,2-Dichloroethane	10	9.50	ppbv	95			70	130	
	Trichloroethene	10	9.80	ppbv	98			70	130	
	1,2-Dichloropropane	10	9.70	ppbv	97			70	130	
	Bromodichloromethane	10	9.90	ppbv	99			70	130	
	4-Methyl-2-Pentanone	10	10.2	ppbv	102			70	130	
	Toluene	10	9.90	ppbv	99			70	130	
	t-1,3-Dichloropropene	10	10.2	ppbv	102			70	130	
	cis-1,3-Dichloropropene	10	10.2	ppbv	102			70	130	
	1,1,2-Trichloroethane	10	9.50	ppbv	95			70	130	
	Dibromochloromethane	10	10.5	ppbv	105			70	130	
	1,2-Dibromoethane	10	9.80	ppbv	98			70	130	
	Tetrachloroethene	10	8.90	ppbv	89			70	130	
	Chlorobenzene	10	9.90	ppbv	99			70	130	
	Ethyl Benzene	10	10.6	ppbv	106			70	130	
	m/p-Xylene	20	20.9	ppbv	104			70	130	
	o-Xylene	10	10.1	ppbv	101			70	130	
	Styrene	10	11.8	ppbv	118			70	130	
	Bromoform	10	11.9	ppbv	119			70	130	
	1,1,2,2-Tetrachloroethane	10	9.90	ppbv	99			70	130	
	2-Chlorotoluene	10	11.0	ppbv	110			70	130	
	1,3,5-Trimethylbenzene	10	11.2	ppbv	112			70	130	
	1,2,4-Trimethylbenzene	10	11.0	ppbv	110			70	130	
	1,3-Dichlorobenzene	10	11.0	ppbv	110			70	130	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4339

Client: EA Engineering Science & Technology

Analytical Method: SWTO-15 **Datafile :** VL037893.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VL1025ABS01	1,4-Dichlorobenzene	10	11.2	ppbv	112			70	130	
	1,2-Dichlorobenzene	10	11.0	ppbv	110			70	130	
	1,2,4-Trichlorobenzene	10	12.3	ppbv	123			70	130	
	Hexachloro-1,3-butadiene	10	9.80	ppbv	98			70	130	
	Naphthalene	10	12.8	ppbv	128			70	130	
	1,3-Butadiene	10	9.50	ppbv	95			70	130	
	4-Ethyltoluene	10	11.3	ppbv	113			70	130	
	Hexane	10	9.10	ppbv	91			70	130	
	Allyl Chloride	10	9.20	ppbv	92			70	130	
	1,4-Dioxane	10	9.20	ppbv	92			70	130	
	Methyl methacrylate	10	10.5	ppbv	105			70	130	

Duplicate Sample Summary

Lab Sample Id :	M4339-02DUP		M4339-02	
Client Id :	SVE-EFFLUENTDUP		SVE-EFFLUENT	
DF :	1		1	
Datafile :	VL037899.D		VL037898.D	
Anal Date & Time :	10/25/2021	18:24	10/25/2021	17:43

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0.66	0.65	1.5
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0.12	0.11	8.7
2-Butanone	0.35	0.33	5.9
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	1.5	2	28.6 *
Allyl Chloride	0	0	0
Benzene	0.21	0.21	0
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.04	0.04	0

Duplicate Sample Summary

Lab Sample Id :	M4339-02DUP		M4339-02	
Client Id :	SVE-EFFLUENTDUP		SVE-EFFLUENT	
DF :	1		1	
Datafile :	VL037899.D		VL037898.D	
Anal Date & Time :	10/25/2021	18:24	10/25/2021	17:43

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0.41	0.41	0
Chloromethane	0.19	0.17	11.1
cis-1,2-Dichloroethene	4.4	4	9.5
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.19	0.22	14.6
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0.16	0.16	0
Heptane	0.28	0.28	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	1.3	1.2	8
m/p-Xylene	0.39	0.4	2.5
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	3.6	4.2	15.4
Naphthalene	0	0	0
o-Xylene	0.12	0.13	8
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0.41	0.38	7.6
Tetrahydrofuran	0	0	0
Toluene	2.3	2.3	0
trans-1,2-Dichloroethene	0.15	0.15	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.48	0.45	6.5
Vinyl Chloride	0	0	0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL1025ABL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4339 SAS No.: M4339 SDG NO.: M4339

Lab File ID: VL037890.D Lab Sample ID: VL1025ABL01

Date Analyzed: 10/25/2021 Time Analyzed: 12:14

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL1025ABS01	VL1025ABS01	VL037893.D	10/25/2021
SVE-EFFLUENT	M4339-02	VL037898.D	10/25/2021
SVE-EFFLUENTDUP	M4339-02DUP	VL037899.D	10/25/2021
SVE-INFLUENT	M4339-01	VL037900.D	10/25/2021

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4339 SAS No.: M4339 SDG NO.: M4339

Lab File ID: VL037757.D BFB Injection Date: 10/04/2021

Instrument ID: MSVOA_L BFB Injection Time: 09:50

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.6
75	30.0 - 66.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 120.0% of mass 95	70
175	4.0 - 9.0% of mass 174	5.5 (7.9) 1
176	93.0 - 101.0% of mass 174	67 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL037758.D	10/04/2021	11:14
VSTDICC002	VSTDICC002	VL037759.D	10/04/2021	12:18
VSTDICC001	VSTDICC001	VL037760.D	10/04/2021	12:55
VSTDICC0.5	VSTDICC0.5	VL037761.D	10/04/2021	13:33
VSTDICC0.1	VSTDICC0.1	VL037762.D	10/04/2021	15:20
VSTDICC0.03	VSTDICC0.03	VL037763.D	10/04/2021	15:57
VSTDICC015	VSTDICC015	VL037764.D	10/04/2021	16:38

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4339 SAS No.: M4339 SDG NO.: M4339

Lab File ID: VL037888.D BFB Injection Date: 10/25/2021

Instrument ID: MSVOA_L BFB Injection Time: 09:58

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.9
75	30.0 - 66.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	69.7
175	4.0 - 9.0% of mass 174	5.5 (7.9) 1
176	93.0 - 101.0% of mass 174	66.2 (95.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL037889.D	10/25/2021	10:37
VL1025ABL01	VL1025ABL01	VL037890.D	10/25/2021	12:14
VL1025ABS01	VL1025ABS01	VL037893.D	10/25/2021	14:10
SVE-EFFLUENT	M4339-02	VL037898.D	10/25/2021	17:43
SVE-EFFLUENTDUP	M4339-02DUP	VL037899.D	10/25/2021	18:24
SVE-INFLUENT	M4339-01	VL037900.D	10/25/2021	19:17

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4339 SAS No.: M4339 SDG NO.: M4339

Lab File ID: VL037889.D Date Analyzed: 10/25/2021

Instrument ID: MSVOA_L Time Analyzed: 10:37

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1540640	5.67	4616280	7.18	3963560	12.09
UPPER LIMIT	2156890	6.00	6462800	7.51	5548990	12.42
LOWER LIMIT	924383	5.34	2769770	6.85	2378140	11.76
EPA SAMPLE NO.						
SVE-INFLUENT	1381437	5.68	3940542	7.19	3298379	12.10
SVE-EFFLUENT	1308822	5.68	3738768	7.19	3089745	12.10
SVE-EFFLUENTDUP	1253839	5.68	3707559	7.19	3183704	12.10
VL1025ABL01	1513071	5.67	4323994	7.18	3669934	12.09
VL1025ABS01	1494131	5.68	4380577	7.19	3799482	12.10

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset TO-15	Date Received:	
Client Sample ID:	VL1025ABL01	SDG No.:	M4339
Lab Sample ID:	VL1025ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL037890.D	1		10/25/21 12:14	VL102521

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	2.47	U	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.50	1.03	U	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.16	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.50	2.81	U	0.22	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	0.31	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.35	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.12	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.20	1.98	ug/m3
67-64-1	Acetone	0.50	1.19	U	0.90	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.12	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.11	1.80	ug/m3
75-09-2	Methylene Chloride	0.50	1.74	U	1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.16	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.24	1.72	ug/m3
78-93-3	2-Butanone	0.50	1.47	U	0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.16	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.14	2.34	ug/m3
71-43-2	Benzene	0.50	1.60	U	0.10	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.16	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.18	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.20	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.12	2.05	ug/m3
108-88-3	Toluene	0.50	1.88	U	0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.090	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	0.50	4.26	U	0.26	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.50	3.84	U	0.23	3.84	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	U	0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset TO-15	Date Received:	
Client Sample ID:	VL1025ABL01	SDG No.:	M4339
Lab Sample ID:	VL1025ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL037890.D	1		10/25/21 12:14	VL102521

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.50	2.30	U	0.14	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.26	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.17	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.13	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.16	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.10	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.15	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.18	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.30	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.53	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.50	2.62	U	0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.15	2.46	ug/m3
110-54-3	Hexane	0.50	1.76	U	0.11	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.86	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.12	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1510000		5.67			
540-36-3	1,4-Difluorobenzene	4320000		7.18			
3114-55-4	Chlorobenzene-d5	3670000		12.09			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset TO-15	Date Received:	
Client Sample ID:	VL1025ABS01	SDG No.:	M4339
Lab Sample ID:	VL1025ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL037893.D	1		10/25/21 14:10	VL102521

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	8.10	40.0		0.35	2.47	ug/m3
74-87-3	Chloromethane	9.50	19.6		0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	10.0	25.6		0.080	0.080	ug/m3
74-83-9	Bromomethane	9.00	35.0		0.16	1.94	ug/m3
75-00-3	Chloroethane	9.20	24.3		0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	9.40	27.7		0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.30	52.3		0.22	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.10	69.8		0.31	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.40	65.7		0.35	3.49	ug/m3
75-65-0	tert-Butyl alcohol	9.10	27.6		0.12	1.52	ug/m3
142-82-5	Heptane	10.0	41.0		0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.40	37.3		0.20	1.98	ug/m3
67-64-1	Acetone	10.7	25.4		0.90	1.19	ug/m3
75-15-0	Carbon Disulfide	10.6	33.0		0.12	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.90	32.1		0.11	1.80	ug/m3
75-09-2	Methylene Chloride	8.70	30.2		1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.40	37.3		0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.60	38.9		0.16	2.02	ug/m3
110-82-7	Cyclohexane	9.20	31.7		0.24	1.72	ug/m3
78-93-3	2-Butanone	9.10	26.8		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	9.80	61.6		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.30	36.9		0.16	1.98	ug/m3
67-66-3	Chloroform	9.20	44.9		0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.30	50.7		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.60	44.8		0.14	2.34	ug/m3
71-43-2	Benzene	9.50	30.4		0.10	1.60	ug/m3
107-06-2	1,2-Dichloroethane	9.50	38.5		0.16	2.02	ug/m3
79-01-6	Trichloroethene	9.80	52.7		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.70	44.8		0.18	2.31	ug/m3
75-27-4	Bromodichloromethane	9.90	66.3		0.20	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.2	41.8		0.12	2.05	ug/m3
108-88-3	Toluene	9.90	37.3		0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	10.2	46.3		0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	10.2	46.3		0.090	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.50	51.8		0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	10.5	89.5		0.26	4.26	ug/m3
106-93-4	1,2-Dibromoethane	9.80	75.3		0.23	3.84	ug/m3
127-18-4	Tetrachloroethene	8.90	60.4		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset TO-15	Date Received:	
Client Sample ID:	VL1025ABS01	SDG No.:	M4339
Lab Sample ID:	VL1025ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL037893.D	1		10/25/21 14:10	VL102521

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	9.90	45.6		0.14	2.30	ug/m3
100-41-4	Ethyl Benzene	10.6	46.0		0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	20.9	90.8		0.26	4.34	ug/m3
95-47-6	o-Xylene	10.1	43.9		0.17	2.17	ug/m3
100-42-5	Styrene	11.8	50.2		0.13	2.13	ug/m3
75-25-2	Bromoform	11.9	123		0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.90	68.0		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	11.0	57.0		0.16	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	11.2	55.1		0.10	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	11.0	54.1		0.15	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	11.0	66.1		0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	11.2	67.3		0.18	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	11.0	66.1		0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	12.3	91.3		0.30	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	9.80	105		0.53	5.33	ug/m3
106-99-0	1,3-Butadiene	9.50	21.0		0.11	1.11	ug/m3
91-20-3	Naphthalene	12.8	67.1		0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	11.3	55.5		0.15	2.46	ug/m3
110-54-3	Hexane	9.10	32.1		0.11	1.76	ug/m3
107-05-1	Allyl Chloride	9.20	28.8		0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	9.20	33.2		0.86	1.80	ug/m3
80-62-6	Methyl Methacrylate	10.5	43.0		0.12	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1490000	5.68				
540-36-3	1,4-Difluorobenzene	4380000	7.19				
3114-55-4	Chlorobenzene-d5	3800000	12.1				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

CALIBRATION SUMMARY

Response Factor Report Instrumen

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\
Method File : VL100421AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
Last Update : Mon Oct 04 17:43:54 2021
Response Via : Initial Calibration

Calibration Files
0.03=VL037763.D 0.1 =VL037762.D 0.5 =VL037761.D 1 =VL037760.D 2 =VL037759.D 10 =VL037758.D 15 =VL037764.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			2.199	2.090	1.316	1.216	1.165	1.597	31.56
3)		Chlorodifluoro...			2.074	2.066	2.010	1.743	1.715	1.921	9.25
4)		Chloromethane			0.754	0.741	0.725	0.646	0.651	0.704	7.26
5)	T	Vinyl Chloride	0.588	0.589	0.666	0.645	0.713	0.659	0.656	0.645	6.91
6)	T	Bromomethane			0.360	0.382	0.346	0.322	0.335	0.349	6.69
7)		Chloroethane			0.227	0.248	0.255	0.230	0.226	0.237	5.58
8)	T	Dichlorotetraf...			1.806	1.698	1.561	1.420	1.409	1.579	10.97
9)	T	Propene			0.778	0.755	0.714	0.654	0.633	0.707	8.87
10)	T	Heptane			1.573	1.623	1.676	1.575	1.581	1.606	2.75
11)	T	Trichlorofluor...			1.593	1.445	1.425	1.335	1.328	1.425	7.54
12)	T	1,1,2-Trichlor...			1.177	1.111	1.132	0.982	0.998	1.080	7.95
13)		Ethanol			0.061	0.066	0.061	0.047	0.056	0.058	12.25
14)	T	Bromoethene			0.505	0.495	0.482	0.435	0.456	0.475	6.09
15)	T	Acetone			1.035	0.982	0.936	0.751	0.784	0.898	13.84
16)	T	1,3-Butadiene			0.684	0.617	0.690	0.636	0.639	0.653	4.86
17)		tert-Butyl alc...			1.005	0.877	0.977	0.956	0.808	0.925	8.74
18)	T	1,1-Dichloroet...			0.500	0.516	0.507	0.471	0.459	0.491	4.96
19)	T	Isopropyl Alcohol			0.550	0.566	0.612	0.568	0.497	0.558	7.43
20)	T	Methylene Chlo...			0.473	0.509	0.505	0.386	0.395	0.454	13.04
21)	T	Allyl Chloride			0.802	0.846	0.831	0.756	0.741	0.795	5.77
22)	T	trans-1,2-Dich...			0.529	0.511	0.462	0.481	0.484	0.493	5.32
23)	T	Vinyl Acetate			1.475	1.316	1.484	1.251	1.200	1.345	9.62
24)	T	1,1-Dichloroet...			0.962	1.015	1.051	0.921	0.947	0.979	5.38
25)	T	Ethyl Acetate			2.576	2.518	2.643	2.439	2.419	2.519	3.72
26)	T	Hexane			1.294	1.298	1.300	1.166	1.145	1.240	6.28
27)	T	Carbon Disulfide			1.013	1.022	1.142	1.142	1.178	1.099	6.95
28)	T	Methyl tert-Bu...			1.131	0.986	1.116	0.959	0.971	1.033	8.12
29)	T	Chloroform			1.922	1.865	1.823	1.619	1.637	1.773	7.75
30)	T	Cyclohexane			1.086	1.096	1.132	0.977	0.968	1.052	7.08
31)	T	cis-1,2-Dichlo...			1.096	1.153	1.198	1.078	1.106	1.126	4.33
32)	T	1,1,1-Trichlor...	1.677	1.789	1.692	1.683	1.760	1.579	1.587	1.681	4.68
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.415	0.417	0.433	0.378	0.375	0.404	6.42
35)	T	Carbon Tetrach...	0.630	0.539	0.539	0.575	0.582	0.556	0.554	0.568	5.64
36)	T	Benzene			0.857	0.885	0.888	0.833	0.808	0.854	4.00
37)	T	1,2-Dichloroet...			0.403	0.403	0.417	0.396	0.392	0.402	2.44
38)	T	Trichloroethene	0.333	0.344	0.347	0.349	0.350	0.320	0.319	0.337	4.05
39)	T	1,2-Dichloropr...			0.319	0.333	0.324	0.318	0.311	0.321	2.48

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\
Method File : VL100421AIR.M

40)	T	1,4-Dioxane		0.078	0.086	0.094	0.072	0.072	0.080	11.65
41)	T	Tetrahydrofuran		0.174	0.200	0.218	0.200	0.197	0.198	8.04
42)	T	Bromodichlorom...		0.571	0.586	0.619	0.592	0.585	0.591	3.01
43)		Methyl Methacr...		0.253	0.251	0.295	0.296	0.299	0.279	8.77
44)	T	2,2,4-Trimethy...		1.456	1.501	1.534	1.373	1.311	1.435	6.40
45)	T	t-1,3-Dichloro...		0.154	0.166	0.189	0.218	0.233	0.192	17.54
46)	T	cis-1,3-Dichlo...		0.216	0.241	0.271	0.301	0.302	0.266	14.18
47)	T	1,1,2-Trichlor...		0.365	0.363	0.353	0.337	0.329	0.349	4.56
48)	T	Dibromochlorom...		0.437	0.477	0.527	0.526	0.523	0.498	8.10
49)	T	Bromoform		0.289	0.357	0.402	0.432	0.426	0.381	15.62
50)	T	4-Methyl-2-Pen...		0.470	0.519	0.545	0.545	0.549	0.526	6.35
51)	T	2-Hexanone		0.195	0.218	0.234	0.262	0.265	0.235	12.57
52)	T	Tetrachloroethene	0.411 0.326	0.321	0.334	0.340	0.299	0.296	0.332	11.57
53)	T	Toluene		0.893	0.943	1.004	0.953	0.940	0.947	4.15
54)	T	1,2-Dibromoethane		0.456	0.479	0.491	0.467	0.465	0.472	2.88
55)	I	Chlorobenzene-d5	----------ISTD----------							
56)		1,1,1,2-Tetrac...		0.428	0.432	0.426	0.407	0.377	0.414	5.45
57)	T	Chlorobenzene		0.867	0.880	0.848	0.789	0.717	0.820	8.24
58)	T	Ethyl Benzene		1.233	1.409	1.433	1.379	1.261	1.343	6.71
59)	T	m/p-Xylene		1.112	1.226	1.233	1.150	1.041	1.153	6.99
60)	T	o-Xylene		1.121	1.189	1.158	1.072	0.983	1.105	7.34
61)	T	Styrene		0.436	0.502	0.556	0.607	0.572	0.534	12.50
62)		Isopropylbenzene		1.580	1.613	1.634	1.511	1.367	1.541	7.00
63)	T	1,1,2,2-Tetrac...	1.112 0.818	0.879	0.837	0.848	0.773	0.700	0.852	15.09
64)		n-propylbenzene		0.353	0.398	0.407	0.391	0.372	0.384	5.63
65)		tert-Butylbenzene		1.406	1.434	1.470	1.301	1.169	1.356	8.99
66)	T	Benzyl Chloride		0.076	0.054	0.059	0.073	0.073	0.067	14.64
67)		sec-Butylbenzene		1.816	1.991	2.013	1.816	1.636	1.854	8.30
68)	S	1-Bromo-4-Fluo...	0.695 0.675	0.710	0.702	0.669	0.745	0.699	0.699	3.59
69)		p-Isopropyltol...		1.466	1.531	1.649	1.494	1.357	1.499	7.08
70)		n-Butylbenzene		1.337	1.445	1.567	1.450	1.323	1.424	6.96
71)		2-Chlorotoluene		1.057	1.158	1.134	1.091	1.001	1.088	5.75
72)	T	4-Ethyltoluene		1.179	1.248	1.342	1.295	1.207	1.254	5.24
73)	T	1,3,5-Trimethy...		1.156	1.129	1.199	1.146	1.067	1.139	4.21
74)	T	1,2,4-Trimethy...		1.176	1.242	1.309	1.185	1.070	1.196	7.41
75)	T	1,3-Dichlorobe...		0.770	0.797	0.756	0.715	0.669	0.741	6.77
76)	T	1,4-Dichlorobe...		0.733	0.746	0.714	0.701	0.641	0.707	5.78
77)	T	1,2-Dichlorobe...		0.770	0.725	0.739	0.687	0.638	0.712	7.14
78)	T	Hexachloro-1,3...		0.683	0.629	0.661	0.492	0.443	0.581	18.41
79)	T	Naphthalene		0.556	0.657	0.874	0.812	0.765	0.733	17.31
80)	T	Naphthalene,2-...		0.136	0.114	0.320	0.212	0.201	0.197	40.97
81)	T	1,2,4-Trichlor...		0.419	0.454	0.526	0.483	0.461	0.469	8.43

(#) = Out of Range

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4339 SAS No.: M4339 SDG No.: M4339

Instrument ID: MSVOA_L Calibration Date/Time: 10/25/2021 10:37

Lab File ID: VL037889.D Init. Calib. Date(s): 10/04/2021 10/04/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:14 16:38

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.597	1.128		-29.37	30
Chloromethane	0.704	0.665		-5.54	30
Vinyl Chloride	0.645	0.659		2.17	30
Bromomethane	0.349	0.319		-8.6	30
Chloroethane	0.237	0.230		-2.95	30
Tetrahydrofuran	0.198	0.180		-9.09	30
Trichlorofluoromethane	1.425	1.347		-5.47	30
1,1,2-Trichlorotrifluoroethane	1.080	1.019		-5.65	30
Dichlorotetrafluoroethane	1.579	1.475		-6.59	30
tert-Butyl alcohol	0.925	0.945		2.16	30
Heptane	1.606	1.585		-1.31	30
1,1-Dichloroethene	0.491	0.456		-7.13	30
Acetone	0.898	0.969		7.91	30
Carbon Disulfide	1.099	1.198		9.01	30
Methyl tert-Butyl Ether	1.033	0.968		-6.29	30
Methylene Chloride	0.454	0.389		-14.32	30
trans-1,2-Dichloroethene	0.493	0.477		-3.24	30
1,1-Dichloroethane	0.979	0.934		-4.6	30
Cyclohexane	1.052	0.973		-7.51	30
2-Butanone	0.404	0.369		-8.66	30
Carbon Tetrachloride	0.568	0.543		-4.4	30
cis-1,2-Dichloroethene	1.126	1.064		-5.51	30
Chloroform	1.773	1.647		-7.11	30
1,1,1-Trichloroethane	1.681	1.583		-5.83	30
2,2,4-Trimethylpentane	1.435	1.329		-7.39	30
Benzene	0.854	0.798		-6.56	30
1,2-Dichloroethane	0.402	0.378		-5.97	30
Trichloroethene	0.337	0.322		-4.45	30
1,2-Dichloropropane	0.321	0.311		-3.12	30
Bromodichloromethane	0.591	0.576		-2.54	30
4-Methyl-2-Pentanone	0.526	0.527		0.19	30
Toluene	0.947	0.927		-2.11	30
t-1,3-Dichloropropene	0.192	0.196		2.08	30
cis-1,3-Dichloropropene	0.266	0.273		2.63	30
1,1,2-Trichloroethane	0.349	0.327		-6.3	30
Dibromochloromethane	0.498	0.517		3.82	30
1,2-Dibromoethane	0.472	0.452		-4.24	30
Tetrachloroethene	0.332	0.294		-11.45	30
Chlorobenzene	0.820	0.797		-2.81	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4339 SAS No.: M4339 SDG No.: M4339

Instrument ID: MSVOA_L Calibration Date/Time: 10/25/2021 10:37

Lab File ID: VL037889.D Init. Calib. Date(s): 10/04/2021 10/04/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:14 16:38

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Ethyl Benzene	1.343	1.385		3.13	30
m/p-Xylene	1.153	1.168		1.3	30
o-Xylene	1.105	1.091		-1.27	30
Styrene	0.534	0.602		12.73	30
Bromoform	0.381	0.417		9.45	30
1,1,2,2-Tetrachloroethane	0.852	0.797		-6.45	30
2-Chlorotoluene	1.088	1.106		1.65	30
1,3,5-Trimethylbenzene	1.139	1.191		4.57	30
1,2,4-Trimethylbenzene	1.196	1.251		4.6	30
1,3-Dichlorobenzene	0.741	0.770		3.91	30
1,4-Dichlorobenzene	0.707	0.755		6.79	30
1,2-Dichlorobenzene	0.712	0.746		4.78	30
1,2,4-Trichlorobenzene	0.469	0.567		20.9	30
Hexachloro-1,3-Butadiene	0.581	0.558		-3.96	30
1,3-Butadiene	0.653	0.606		-7.2	30
Naphthalene	0.733	0.943		28.65	30
4-Ethyltoluene	1.254	1.321		5.34	30
1-Bromo-4-Fluorobenzene	0.699	0.721		3.15	30
Hexane	1.240	1.141		-7.98	30
Allyl Chloride	0.795	0.740		-6.92	30
1,4-Dioxane	80.394	57.214		-28.83	30
Methyl Methacrylate	0.279	0.287		2.87	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SHIPPING DOCUMENTS

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. : M4339

Client Contact Information	Bottle Order ID : **B2110015**	Courier :	1 of 1 COCs
Client ID : **EAEN05** Project ID :	**NYSDEC - National Heatset TO-15**	Sampler Name(s) : D. Howe	Analysis / Matrix
Customer Name : **EA Engineering Science & Technology**	Project Manager **Emily cummings**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **269 W. Jefferson Street**	Phone Number : **315-431-4610**		
	Fax Number : **3154314280**		
	Site Details:	Batch Certified	
City : **Syracuse**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **13202**	Standard : **10 business days** **OR**	Data Package Type : NYS Equis	
Country : United States	Rush (Specify): ____ **Days**	EDD Type : Equis 4-File	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas	System Process Air	
SVE Influent	10-20-21	1024	1404	30	4.5	70	70	-30	-3.9	10704	10311	6 L	25	VL037695.D	X						X	

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	64			
Stop	76			

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	30.01			
Stop	29.98			

** Submittal of this COC indicates approval of the analysis based on existing conditio

Please follow the instructions on the back of this CO

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low) PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:		Date/Time: 10/11/21	Canisters Received by:	Date/Time: 10-25-21 0700	B2110015 - 3
Samples Relinquished by:		Date/Time:	Received by:	Date/Time:	
Relinquished by:		Date/Time:	Received by:	Date/Time:	

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. : M4339

Client Contact Information	Bottle Order ID : **B2110015**	Courier :	1 of 1 COCs
Client ID : **EAEN05** Project ID :	**NYSDEC - National Heatset TO-15**	Sampler Name(s) : D. Howe	Analysis / Matrix
Customer Name : **EA Engineering Science & Technology**	Project Manager **Emily cummings**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **269 W. Jefferson Street**	Phone Number : **315-431-4610**		
	Fax Number : **3154314280**		
	Site Details:	Batch Certified	
City : **Syracuse**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **13202**	Standard : **10 business days** **OR**	Data Package Type : NYS Equis	
Country : United States	Rush (Specify): _____ **Days**	EDD Type : Equis 4-File	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout	Can Cert ID	TO-15			Indoor/Ambinet Air	Soil Gas	System Process Air	
SVE Effluent	10-20-21	1027	1410	30	5	70	70	-30	-5.1	10784	10060	6 L	25	VL037695.D	X					X	

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	64			
Stop	76			

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	30.01			
Stop	29.98			

GC/MS Analyst Signature (TO-15)

** Submittal of this COC indicates approval of the analysis based on existing conditio

Please follow the instructions on the back of this CO

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low) PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:		Date/Time: 10/21/21	Canisters Received by:	Date/Time: 10-25-21 0700	B2110015 - 2
Samples Relinquished by:		Date/Time:	Received by:	Date/Time:	
Relinquished by:		Date/Time:	Received by:	Date/Time:	

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-21-14

DEP-077
Rev. 3/04

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Chemtech
Name:
Location: 284 Sheffield Street, Mountainside,NJ 7092
Title: Sample Custodian
Field Sample Seal No.: M4339
Date Broken: 10/25/2021
Military Time Seal Broken: 07:00:00
Case No.: NYSDEC - National Heatsel
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
M4339-01	SVE-INFLUENT		
M4339-02	SVE-EFFLUENT		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
10/25/21	17:10	Signature [signature]	Signature [signature]	
		Printed Name Cassandra Reña	Printed Name Pedro Sanchez	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

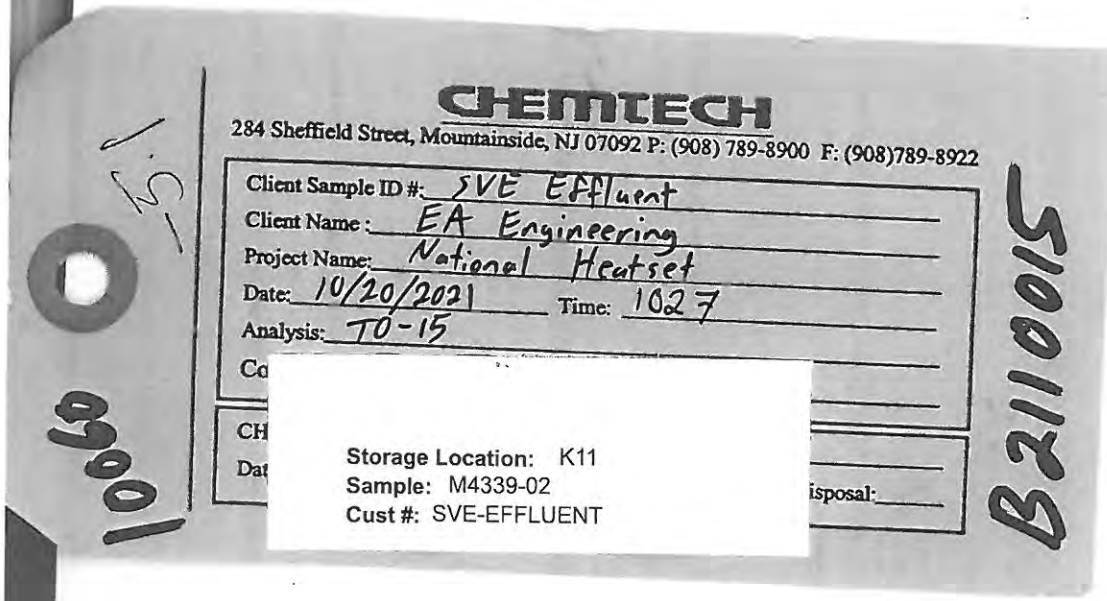
CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

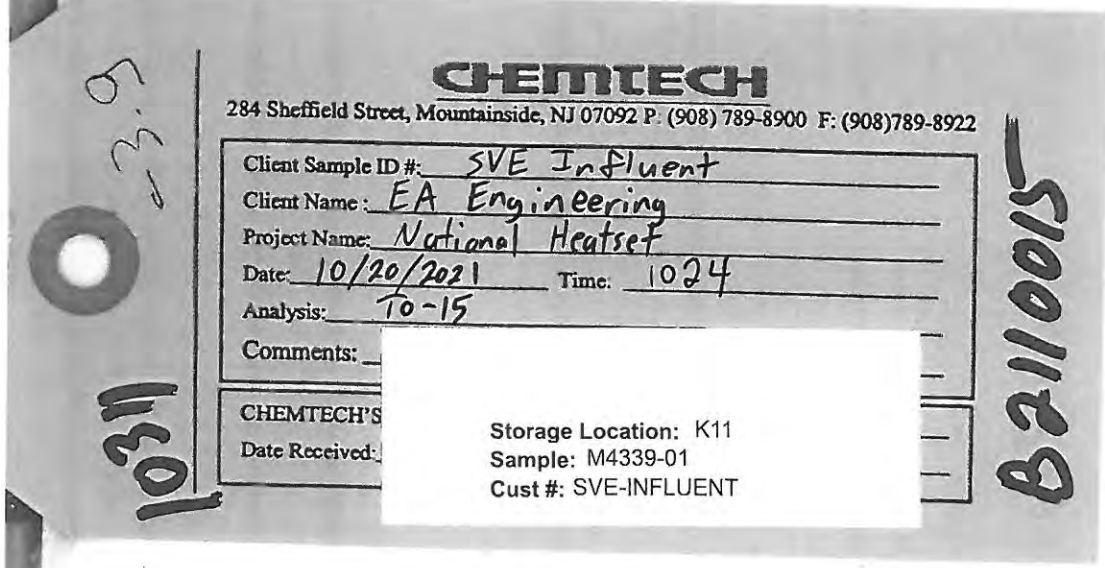
AIR SAMPLE PRESSURE & DILUTION LOGBOOK

Analyst Signature: _____ Supervisor Signature: _____

METHOD: TO-15 Pressure Gauge ID: AZ 55971

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
10/5/21	M4079-14	10320	12.8	-3.9				Sy
↓	M4079-15	10295	12.6	-4.3				↓
↓	M4079-16	10595	13.4	-2.7				
10/7/21	M4143-01	10597	13.8	-1.8				Sy
10/25/21	M4339-01	10311	-12.8	-3.9				Sy
"	M4339-02	10060	12.2	-5.1				Sy


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SVE Effluent
Client Name: EA Engineering
Project Name: National Heatset
Date: 10/20/2021 Time: 1027
Analysis: TO-15
Storage Location: K11
Sample: M4339-02
Cust #: SVE-EFFLUENT
B211015
1027
-3.1


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SVE Influent
Client Name: EA Engineering
Project Name: National Heatset
Date: 10/20/2021 Time: 1024
Analysis: TO-15
Comments:
CHEMTECH'S
Date Received:
Storage Location: K11
Sample: M4339-01
Cust #: SVE-INFLUENT
B211015
1031
-3.9

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Attachment C

Laboratory Analytical Data – Groundwater Samples

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CHEMTECH

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : NYSDEC - NATIONAL HEATSET

EA ENGINEERING SCIENCE & TECHNOLOGY

269 W. Jefferson Street

Syracuse, NY - 13202

Phone No: 315-431-4610

ORDER ID : M4337

ATTENTION : Emily Cummings

Table Of Contents for M4337

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
DDC-5-PS	M4337-01	8260-Low					
DDC-5-PD	M4337-02	8260-Low					
DDC-6-PS	M4337-03	8260-Low					
MW-3D(OFFSITE)	M4337-04	8260-Low					
DDC-6-PD	M4337-05	8260-Low					
MW-3S(OFFSITE)	M4337-06	8260-Low					
DDC-7-PS	M4337-07	8260-Low					
DDC-7-PD	M4337-08	8260-Low					
MW-2S(OFFSITE)	M4337-09	8260-Low					
DDC-10-PD	M4337-10	8260-Low					
DDC-10-PS	M4337-11	8260-Low					
MW-2D-(OFFSITE)	M4337-12	8260-Low					
DDC-8-PS	M4337-13	8260-Low					
DDC-8-PD	M4337-14	8260-Low					
DDC-9-PD	M4337-15	8260-Low					
DDC-9-PS	M4337-16	8260-Low					
MW-1S(OFFSITE)	M4337-17	8260-Low					
MW-1D(OFFSITE)	M4337-18	8260-Low					
DDC-2-PD	M4337-21	8260-Low					
DDC-2-PS	M4337-22	8260-Low					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
M4337-01	Water	10/19/21	10/25/21		10/26/21
M4337-02	Water	10/19/21	10/25/21		10/26/21
M4337-03	Water	10/19/21	10/25/21		10/26/21
M4337-04	Water	10/19/21	10/25/21		10/26/21
M4337-05	Water	10/19/21	10/25/21		10/26/21
M4337-06	Water	10/19/21	10/25/21		10/26/21
M4337-07	Water	10/20/21	10/25/21		10/26/21
M4337-08	Water	10/20/21	10/25/21		10/26/21
M4337-09	Water	10/20/21	10/25/21		10/26/21
M4337-10	Water	10/20/21	10/25/21		10/26/21
M4337-11	Water	10/20/21	10/25/21		10/26/21
M4337-12	Water	10/20/21	10/25/21		10/26/21
M4337-13	Water	10/20/21	10/25/21		10/26/21
M4337-14	Water	10/20/21	10/25/21		10/26/21
M4337-15	Water	10/20/21	10/25/21		10/26/21
M4337-16	Water	10/20/21	10/25/21		10/27/21
M4337-17	Water	10/20/21	10/25/21		10/27/21
M4337-18	Water	10/20/21	10/25/21		10/27/21
M4337-21	Water	10/20/21	10/25/21		10/27/21
M4337-22	Water	10/20/21	10/25/21		10/27/21

*** Details For Test :** VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
M4337-01	Water	8260-Low	5030		
M4337-02	Water	8260-Low	5030		
M4337-03	Water	8260-Low	5030		
M4337-04	Water	8260-Low	5030		
M4337-05	Water	8260-Low	5030		
M4337-06	Water	8260-Low	5030		
M4337-07	Water	8260-Low	5030		
M4337-08	Water	8260-Low	5030		
M4337-09	Water	8260-Low	5030		
M4337-10	Water	8260-Low	5030		
M4337-11	Water	8260-Low	5030		
M4337-12	Water	8260-Low	5030		
M4337-13	Water	8260-Low	5030		
M4337-14	Water	8260-Low	5030		
M4337-15	Water	8260-Low	5030		
M4337-16	Water	8260-Low	5030		
M4337-17	Water	8260-Low	5030		
M4337-18	Water	8260-Low	5030		
M4337-19	Water	8260-Low	5030		
M4337-20	Water	8260-Low	5030		
M4337-21	Water	8260-Low	5030		
M4337-22	Water	8260-Low	5030		

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Cover Page

Order ID : M4337

Project ID : NYSDEC - National Heatset

Client : EA Engineering Science & Technology

Lab Sample Number	Client Sample Number
M4337-01	DDC-5-PS
M4337-02	DDC-5-PD
M4337-03	DDC-6-PS
M4337-04	MW-3D(OFFSITE)
M4337-05	DDC-6-PD
M4337-06	MW-3S(OFFSITE)
M4337-07	DDC-7-PS
M4337-08	DDC-7-PD
M4337-09	MW-2S(OFFSITE)
M4337-10	DDC-10-PD
M4337-11	DDC-10-PS
M4337-12	MW-2D-(OFFSITE)
M4337-13	DDC-8-PS
M4337-14	DDC-8-PD
M4337-15	DDC-9-PD
M4337-16	DDC-9-PS
M4337-17	MW-1S(OFFSITE)
M4337-18	MW-1D(OFFSITE)
M4337-19	MW-1D(OFFSITE)MS
M4337-20	MW-1D(OFFSITE)MSD
M4337-21	DDC-2-PD
M4337-22	DDC-2-PS

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:29 am, Nov 08, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

EA Engineering Science & Technology
Project Name: NYSDEC - National Heatset
Project # N/A
Chemtech Project # M4337
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
22 Water samples were received on 10/25/2021.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for MW-1D(OFFSITE)MSD [1,2-Dichloroethane-d4 - 119%] but parent sample and MS passing for surrogate recoveries therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD {M4337-20MSD} with File ID: VN069232.D recoveries met the acceptable requirements except for 2-Hexanone[136%], Chloroethane[123%] due to matrix interference.
The RPD met criteria .

The Blank Spike for {VN1027WBS02} with File ID: VN069181.D met requirements for all samples except for 1,3-Dichlorobenzene[109%], 2-Hexanone[120%], Acetone[130%] and Chloroethane[113%] are failing high and all associate samples having hit of acetone but below CRQL therefore no corrective action taken.

The Blank Spike for {VN1027WBS05} with File ID: VN069213.D met requirements for all samples except for Chloroethane[114%] is failing high but no positive hit in any associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

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The %RSD is greater than 20% in the Initial Calibration for method (82N101221W.M) for Dichlorodifluoromethane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene these compounds are passing on Linear Regression.

The Continuous Calibration File ID VN069177.D met the requirements except for 2-Hexanone and Acetone are failing high but only acetone has hit but below CRQL therefore no corrective action taken.

The Continuous Calibration File ID VN069210.D met the requirements except for Carbon Disulfide is failing marginally low and 2-Hexanone, Acetone, Bromomethane are failing high but no hit in any associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples DDC-2-PD was diluted at 10X. This sample analyzed straight but CCAL fail therefore based on that result, lab analyzed this sample with 10X. The above samples straight analysis reported as screening data in miscellaneous section.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:30 am, Nov 08, 2021

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: M4337

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: Aparana Soni **Date:** 11/08/2021

2nd Level QA Review Signature: N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:30 am, Nov 08, 2021

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	M4337	**OrderDate:**	10/25/2021 9:09:00 AM
Client:	EA Engineering Science & Technology	**Project:**	NYSDEC - National Heatset
Contact:	Emily Cummings	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M4337-01	**DDC-5-PS**	**Water**			**10/19/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-02	**DDC-5-PD**	**Water**			**10/19/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-03	**DDC-6-PS**	**Water**			**10/19/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-04	**MW-3D(OFFSITE)**	**Water**			**10/19/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-05	**DDC-6-PD**	**Water**			**10/19/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-06	**MW-3S(OFFSITE)**	**Water**			**10/19/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-07	**DDC-7-PS**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-08	**DDC-7-PD**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-09	**MW-2S(OFFSITE)**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-10	**DDC-10-PD**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-11	**DDC-10-PS**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	
M4337-12	**MW-2D-(OFFSITE)**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/26/21	

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LAB CHRONICLE

M4337-13	**DDC-8-PS**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/26/21	
M4337-14	**DDC-8-PD**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/26/21	
M4337-15	**DDC-9-PD**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/26/21	
M4337-16	**DDC-9-PS**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/27/21	
M4337-17	**MW-1S(OFFSITE)**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/27/21	
M4337-18	**MW-1D(OFFSITE)**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/27/21	
M4337-21	**DDC-2-PD**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/27/21	
M4337-22	**DDC-2-PS**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/27/21	

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Hit Summary Sheet
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**DDC-5-PS**							
M4337-01	DDC-5-PS	Water	Acetone	2.30	JQ	1.60	5.00	ug/L
			Total Voc :	2.3				
			Total Concentration:	2.3				
Client ID:	**DDC-5-PD**							
M4337-02	DDC-5-PD	Water	Acetone	2.60	JQ	1.60	5.00	ug/L
M4337-02	DDC-5-PD	Water	cis-1,2-Dichloroethene	1.40		0.22	1.00	ug/L
M4337-02	DDC-5-PD	Water	Chloroform	0.37	J	0.27	1.00	ug/L
M4337-02	DDC-5-PD	Water	Trichloroethene	0.28	J	0.17	1.00	ug/L
M4337-02	DDC-5-PD	Water	Tetrachloroethene	5.70		0.17	1.00	ug/L
			Total Voc :	10.35				
			Total Concentration:	10.35				
Client ID:	**DDC-6-PS**							
M4337-03	DDC-6-PS	Water	Acetone	1.90	JQ	1.60	5.00	ug/L
			Total Voc :	1.9				
			Total Concentration:	1.9				
Client ID:	**MW-3D(OFFSITE)**							
M4337-04	MW-3D(OFFSITE)	Water	cis-1,2-Dichloroethene	5.80		0.22	1.00	ug/L
M4337-04	MW-3D(OFFSITE)	Water	Chloroform	0.32	J	0.27	1.00	ug/L
M4337-04	MW-3D(OFFSITE)	Water	Trichloroethene	1.30		0.17	1.00	ug/L
M4337-04	MW-3D(OFFSITE)	Water	Tetrachloroethene	3.40		0.17	1.00	ug/L
			Total Voc :	10.82				
			Total Concentration:	10.82				
Client ID:	**DDC-6-PD**							
M4337-05	DDC-6-PD	Water	Acetone	2.60	JQ	1.60	5.00	ug/L
M4337-05	DDC-6-PD	Water	Chloroform	0.30	J	0.27	1.00	ug/L
M4337-05	DDC-6-PD	Water	Tetrachloroethene	2.50		0.17	1.00	ug/L
			Total Voc :	5.4				
			Total Concentration:	5.4				
Client ID:	**DDC-7-PS**							
M4337-07	DDC-7-PS	Water	Acetone	1.90	JQ	1.60	5.00	ug/L
			Total Voc :	1.9				
			Total Concentration:	1.9				
Client ID:	**DDC-7-PD**							
M4337-08	DDC-7-PD	Water	Acetone	2.00	JQ	1.60	5.00	ug/L
M4337-08	DDC-7-PD	Water	Tetrachloroethene	0.42	J	0.17	1.00	ug/L
			Total Voc :	2.42				
			Total Concentration:	2.42				
Client ID:	**MW-2S(OFFSITE)**							
M4337-09	MW-2S(OFFSITE)	Water	Acetone	1.90	JQ	1.60	5.00	ug/L
M4337-09	MW-2S(OFFSITE)	Water	cis-1,2-Dichloroethene	0.47	J	0.22	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Voc :	2.37				
			Total Concentration:	2.37				
Client ID:	**DDC-10-PS**							
M4337-11	DDC-10-PS	Water	Acetone	1.70	JQ	1.60	5.00	ug/L
M4337-11	DDC-10-PS	Water	Chloroform	0.32	J	0.27	1.00	ug/L
			Total Voc :	2.02				
			Total Concentration:	2.02				
Client ID:	**MW-2D-(OFFSITE)**							
M4337-12	MW-2D-(OFFSITE)	Water	Acetone	1.70	JQ	1.60	5.00	ug/L
			Total Voc :	1.7				
			Total Concentration:	1.7				
Client ID:	**DDC-8-PS**							
M4337-13	DDC-8-PS	Water	Acetone	1.80	JQ	1.60	5.00	ug/L
M4337-13	DDC-8-PS	Water	Chloroform	0.59	J	0.27	1.00	ug/L
			Total Voc :	2.39				
			Total Concentration:	2.39				
Client ID:	**DDC-8-PD**							
M4337-14	DDC-8-PD	Water	Acetone	2.10	JQ	1.60	5.00	ug/L
M4337-14	DDC-8-PD	Water	cis-1,2-Dichloroethene	2.60		0.22	1.00	ug/L
M4337-14	DDC-8-PD	Water	Chloroform	0.65	J	0.27	1.00	ug/L
M4337-14	DDC-8-PD	Water	Trichloroethene	1.10		0.17	1.00	ug/L
M4337-14	DDC-8-PD	Water	Tetrachloroethene	2.30		0.17	1.00	ug/L
			Total Voc :	8.75				
			Total Concentration:	8.75				
Client ID:	**DDC-9-PD**							
M4337-15	DDC-9-PD	Water	Acetone	2.20	JQ	1.60	5.00	ug/L
			Total Voc :	2.2				
			Total Concentration:	2.2				
Client ID:	**MW-1S(OFFSITE)**							
M4337-17	MW-1S(OFFSITE)	Water	Acetone	2.10	JQ	1.60	5.00	ug/L
			Total Voc :	2.1				
			Total Concentration:	2.1				
Client ID:	**MW-1D(OFFSITE)**							
M4337-18	MW-1D(OFFSITE)	Water	cis-1,2-Dichloroethene	11.80		0.22	1.00	ug/L
M4337-18	MW-1D(OFFSITE)	Water	Trichloroethene	3.90		0.17	1.00	ug/L
M4337-18	MW-1D(OFFSITE)	Water	Tetrachloroethene	10.60		0.17	1.00	ug/L
			Total Voc :	26.3				
			Total Concentration:	26.3				
Client ID:	**DDC-2-PD**							
M4337-21	DDC-2-PD	Water	Tetrachloroethene	660.00		1.70	10.0	ug/L
M4337-21	DDC-2-PD	Water	1,2,4-Trichlorobenzene	32.60		3.00	10.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
M4337-21	DDC-2-PD	Water	1,2,3-Trichlorobenzene		32.60		3.50	10.0	ug/L
			Total Voc :		725.2				
M4337-21	DDC-2-PD	Water	Hexachloroethane	*	15.80	J	3.40	10.0	ug/L
M4337-21	DDC-2-PD	Water	n-Butylbenzene	*	2.80	J	1.90	10.0	ug/L
M4337-21	DDC-2-PD	Water	Naphthalene	*	48.50	J	2.60	10.0	ug/L
			Total Tics :		67.1				
			Total Concentration:		792.3				
Client ID:	**DDC-2-PS**								
M4337-22	DDC-2-PS	Water	Tetrachloroethene		4.40		0.17	1.00	ug/L
			Total Voc :		4.4				
			Total Concentration:		4.4				

SAMPLE DATA

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-5-PS	SDG No.:	M4337
Lab Sample ID:	M4337-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069183.D	1		10/26/21 14:14	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.30	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-5-PS	SDG No.:	M4337
Lab Sample ID:	M4337-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069183.D	1		10/26/21 14:14	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.2		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	345000	8.088			
540-36-3	1,4-Difluorobenzene	597000	8.971			
3114-55-4	Chlorobenzene-d5	576000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.678			

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-5-PS	SDG No.:	M4337
Lab Sample ID:	M4337-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069183.D	1		10/26/21 14:14	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-5-PD	SDG No.:	M4337
Lab Sample ID:	M4337-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069184.D	1		10/26/21 14:39	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.60	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.40		0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.37	J	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.28	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-5-PD	SDG No.:	M4337
Lab Sample ID:	M4337-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069184.D	1		10/26/21 14:39	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	5.70		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		83 - 123	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	348000	8.088			
540-36-3	1,4-Difluorobenzene	605000	8.971			
3114-55-4	Chlorobenzene-d5	583000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	219000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-5-PD	SDG No.:	M4337
Lab Sample ID:	M4337-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069184.D	1		10/26/21 14:39	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-6-PS	SDG No.:	M4337
Lab Sample ID:	M4337-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069185.D	1		10/26/21 15:04	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.90	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-6-PS	SDG No.:	M4337
Lab Sample ID:	M4337-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069185.D	1		10/26/21 15:04	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		78 - 117	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		83 - 123	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	368000	8.088			
540-36-3	1,4-Difluorobenzene	634000	8.971			
3114-55-4	Chlorobenzene-d5	608000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	230000	13.678			

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-6-PS	SDG No.:	M4337
Lab Sample ID:	M4337-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069185.D	1		10/26/21 15:04	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3D(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069186.D	1		10/26/21 15:29	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	UQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.80		0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.32	J	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.30		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3D(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069186.D	1		10/26/21 15:29	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	3.40		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		78 - 117	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.6		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	359000	8.088			
540-36-3	1,4-Difluorobenzene	621000	8.971			
3114-55-4	Chlorobenzene-d5	598000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	230000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3D(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069186.D	1		10/26/21 15:29	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-6-PD	SDG No.:	M4337
Lab Sample ID:	M4337-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069187.D	1		10/26/21 15:54	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.60	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.30	J	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-6-PD	SDG No.:	M4337
Lab Sample ID:	M4337-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069187.D	1		10/26/21 15:54	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	2.50		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		83 - 123	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	337000	8.088			
540-36-3	1,4-Difluorobenzene	587000	8.971			
3114-55-4	Chlorobenzene-d5	560000	11.749			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-6-PD	SDG No.:	M4337
Lab Sample ID:	M4337-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069187.D	1		10/26/21 15:54	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069188.D	1		10/26/21 16:20	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	UQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069188.D	1		10/26/21 16:20	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.2		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		83 - 123	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	340000	8.088			
540-36-3	1,4-Difluorobenzene	597000	8.971			
3114-55-4	Chlorobenzene-d5	569000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	214000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069188.D	1		10/26/21 16:20	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-7-PS	SDG No.:	M4337
Lab Sample ID:	M4337-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069189.D	1		10/26/21 16:45	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.90	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-7-PS	SDG No.:	M4337
Lab Sample ID:	M4337-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069189.D	1		10/26/21 16:45	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		78 - 117	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.4		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		83 - 123	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	339000	8.088			
540-36-3	1,4-Difluorobenzene	588000	8.971			
3114-55-4	Chlorobenzene-d5	574000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-7-PS	SDG No.:	M4337
Lab Sample ID:	M4337-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069189.D	1		10/26/21 16:45	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-7-PD	SDG No.:	M4337
Lab Sample ID:	M4337-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069190.D	1		10/26/21 17:10	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.00	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-7-PD	SDG No.:	M4337
Lab Sample ID:	M4337-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069190.D	1		10/26/21 17:10	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.42	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		83 - 123	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	8.088			
540-36-3	1,4-Difluorobenzene	574000	8.971			
3114-55-4	Chlorobenzene-d5	557000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-7-PD	SDG No.:	M4337
Lab Sample ID:	M4337-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069190.D	1		10/26/21 17:10	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069191.D	1		10/26/21 17:35	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.90	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.47	J	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069191.D	1		10/26/21 17:35	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		78 - 117	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.2		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	339000	8.088			
540-36-3	1,4-Difluorobenzene	589000	8.97			
3114-55-4	Chlorobenzene-d5	567000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069191.D	1		10/26/21 17:35	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-10-PD	SDG No.:	M4337
Lab Sample ID:	M4337-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069192.D	1		10/26/21 18:01	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	UQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-10-PD	SDG No.:	M4337
Lab Sample ID:	M4337-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069192.D	1		10/26/21 18:01	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		78 - 117	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	52.7		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	354000	8.088			
540-36-3	1,4-Difluorobenzene	615000	8.971			
3114-55-4	Chlorobenzene-d5	579000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-10-PD	SDG No.:	M4337
Lab Sample ID:	M4337-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069192.D	1		10/26/21 18:01	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-10-PS	SDG No.:	M4337
Lab Sample ID:	M4337-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069193.D	1		10/26/21 18:26	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.70	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.32	J	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-10-PS	SDG No.:	M4337
Lab Sample ID:	M4337-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069193.D	1		10/26/21 18:26	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		78 - 117	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	339000	8.088			
540-36-3	1,4-Difluorobenzene	588000	8.971			
3114-55-4	Chlorobenzene-d5	563000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	204000	13.677			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-10-PS	SDG No.:	M4337
Lab Sample ID:	M4337-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069193.D	1		10/26/21 18:26	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D-(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069194.D	1		10/26/21 18:51	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.70	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D-(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069194.D	1		10/26/21 18:51	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		78 - 117	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.2		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		83 - 123	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	371000	8.088			
540-36-3	1,4-Difluorobenzene	633000	8.971			
3114-55-4	Chlorobenzene-d5	602000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	216000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D-(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069194.D	1		10/26/21 18:51	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-8-PS	SDG No.:	M4337
Lab Sample ID:	M4337-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069195.D	1		10/26/21 19:16	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.80	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.59	J	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-8-PS	SDG No.:	M4337
Lab Sample ID:	M4337-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069195.D	1		10/26/21 19:16	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		83 - 123	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	332000	8.088			
540-36-3	1,4-Difluorobenzene	577000	8.971			
3114-55-4	Chlorobenzene-d5	558000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	203000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-8-PS	SDG No.:	M4337
Lab Sample ID:	M4337-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069195.D	1		10/26/21 19:16	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-8-PD	SDG No.:	M4337
Lab Sample ID:	M4337-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069196.D	1		10/26/21 19:41	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.10	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.60		0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.65	J	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.10		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-8-PD	SDG No.:	M4337
Lab Sample ID:	M4337-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069196.D	1		10/26/21 19:41	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	2.30		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		83 - 123	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	328000	8.088			
540-36-3	1,4-Difluorobenzene	570000	8.971			
3114-55-4	Chlorobenzene-d5	541000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	205000	13.677			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-8-PD	SDG No.:	M4337
Lab Sample ID:	M4337-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069196.D	1		10/26/21 19:41	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-9-PD	SDG No.:	M4337
Lab Sample ID:	M4337-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069197.D	1		10/26/21 20:06	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.20	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-9-PD	SDG No.:	M4337
Lab Sample ID:	M4337-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069197.D	1		10/26/21 20:06	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	373000	8.088			
540-36-3	1,4-Difluorobenzene	642000	8.971			
3114-55-4	Chlorobenzene-d5	621000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-9-PD	SDG No.:	M4337
Lab Sample ID:	M4337-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069197.D	1		10/26/21 20:06	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-9-PS	SDG No.:	M4337
Lab Sample ID:	M4337-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069216.D	1		10/27/21 14:16	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	UQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-9-PS	SDG No.:	M4337
Lab Sample ID:	M4337-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069216.D	1		10/27/21 14:16	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		83 - 123	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	334000	8.091			
540-36-3	1,4-Difluorobenzene	585000	8.971			
3114-55-4	Chlorobenzene-d5	567000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.678			

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-9-PS	SDG No.:	M4337
Lab Sample ID:	M4337-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069216.D	1		10/27/21 14:16	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069217.D	1		10/27/21 14:41	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.10	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069217.D	1		10/27/21 14:41	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.4		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	378000	8.088			
540-36-3	1,4-Difluorobenzene	658000	8.971			
3114-55-4	Chlorobenzene-d5	629000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	224000	13.678			

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1S(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069217.D	1		10/27/21 14:41	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069218.D	1		10/27/21 15:06	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	UQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	11.8		0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	3.90		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069218.D	1		10/27/21 15:06	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	10.6		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		83 - 123	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	358000	8.088			
540-36-3	1,4-Difluorobenzene	628000	8.971			
3114-55-4	Chlorobenzene-d5	599000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)	SDG No.:	M4337
Lab Sample ID:	M4337-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069218.D	1		10/27/21 15:06	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-2-PD	SDG No.:	M4337
Lab Sample ID:	M4337-21	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069215.D	10		10/27/21 13:51	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	U	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	U	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	U	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	U	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	UQ	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	U	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	U	2.60	10.0	ug/L
67-64-1	Acetone	50.0	UQ	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	U	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	U	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	U	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	U	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	U	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	10.0	U	2.20	10.0	ug/L
74-97-5	Bromochloromethane	10.0	U	2.60	10.0	ug/L
67-66-3	Chloroform	10.0	U	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	1.40	10.0	ug/L
71-43-2	Benzene	10.0	U	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	2.50	10.0	ug/L
79-01-6	Trichloroethene	10.0	U	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	8.70	50.0	ug/L
108-88-3	Toluene	10.0	U	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	U	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	1.70	10.0	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-2-PD	SDG No.:	M4337
Lab Sample ID:	M4337-21	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069215.D	10		10/27/21 13:51	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	U	2.40	10.0	ug/L
591-78-6	2-Hexanone	50.0	UQ	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	U	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	660		1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	U	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	U	1.80	10.0	ug/L
179601-23-1	m/p-Xylenes	20.0	U	3.20	20.0	ug/L
95-47-6	o-Xylene	10.0	U	1.90	10.0	ug/L
100-42-5	Styrene	10.0	U	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	U	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	U	2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	2.90	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UQ	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	2.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	U	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	32.6		3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	32.6		3.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		78 - 117	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.9		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		83 - 123	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	326000	8.088			
540-36-3	1,4-Difluorobenzene	567000	8.971			
3114-55-4	Chlorobenzene-d5	550000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.678			
TENTATIVE IDENTIFIED COMPOUNDS						
104-51-8	n-Butylbenzene	2.80	J		13.9	ug/L
67-72-1	Hexachloroethane	15.8	J		14.2	ug/L
91-20-3	Naphthalene	48.5	J		15.5	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-2-PD	SDG No.:	M4337
Lab Sample ID:	M4337-21	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069215.D	10		10/27/21 13:51	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-2-PS	SDG No.:	M4337
Lab Sample ID:	M4337-22	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069219.D	1		10/27/21 15:32	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	UQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-2-PS	SDG No.:	M4337
Lab Sample ID:	M4337-22	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069219.D	1		10/27/21 15:32	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	4.40		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	UQ	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.0		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		83 - 123	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	323000	8.088			
540-36-3	1,4-Difluorobenzene	568000	8.971			
3114-55-4	Chlorobenzene-d5	541000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	197000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-2-PS	SDG No.:	M4337
Lab Sample ID:	M4337-22	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069219.D	1		10/27/21 15:32	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
M4337-01	DDC-5-PS	1,2-Dichloroethane-d4	50	49.6	99	78	117
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	53.2	106	92	112
		4-Bromofluorobenzene	50	51.3	103	83	123
M4337-02	DDC-5-PD	1,2-Dichloroethane-d4	50	49.7	99	78	117
		Dibromofluoromethane	50	50.8	101	75	124
		Toluene-d8	50	53.3	107	92	112
		4-Bromofluorobenzene	50	51.2	102	83	123
M4337-03	DDC-6-PS	1,2-Dichloroethane-d4	50	48.8	98	78	117
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	53.1	106	92	112
		4-Bromofluorobenzene	50	51.1	102	83	123
M4337-04	MW-3D(OFFSITE)	1,2-Dichloroethane-d4	50	49.1	98	78	117
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	53.6	107	92	112
		4-Bromofluorobenzene	50	52.1	104	83	123
M4337-05	DDC-6-PD	1,2-Dichloroethane-d4	50	50.0	100	78	117
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	53.3	107	92	112
		4-Bromofluorobenzene	50	50.3	101	83	123
M4337-06	MW-3S(OFFSITE)	1,2-Dichloroethane-d4	50	49.3	99	78	117
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	53.2	106	92	112
		4-Bromofluorobenzene	50	51.0	102	83	123
M4337-07	DDC-7-PS	1,2-Dichloroethane-d4	50	49.2	98	78	117
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	53.4	107	92	112
		4-Bromofluorobenzene	50	51.1	102	83	123
M4337-08	DDC-7-PD	1,2-Dichloroethane-d4	50	49.7	99	78	117
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	53.5	107	92	112
		4-Bromofluorobenzene	50	50.3	101	83	123
M4337-09	MW-2S(OFFSITE)	1,2-Dichloroethane-d4	50	49.2	98	78	117
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	53.2	106	92	112
		4-Bromofluorobenzene	50	51.4	103	83	123
M4337-10	DDC-10-PD	1,2-Dichloroethane-d4	50	49.1	98	78	117
		Dibromofluoromethane	50	50.9	102	75	124
		Toluene-d8	50	52.7	105	92	112
		4-Bromofluorobenzene	50	49.2	98	83	123
M4337-11	DDC-10-PS	1,2-Dichloroethane-d4	50	49.1	98	78	117
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	53.5	107	92	112
		4-Bromofluorobenzene	50	49.9	100	83	123
M4337-12	MW-2D-(OFFSITE)	1,2-Dichloroethane-d4	50	48.6	97	78	117
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	53.2	106	92	112
		4-Bromofluorobenzene	50	48.3	97	83	123
M4337-13	DDC-8-PS	1,2-Dichloroethane-d4	50	49.4	99	78	117
		Dibromofluoromethane	50	50.7	101	75	124
		Toluene-d8	50	53.3	107	92	112
		4-Bromofluorobenzene	50	50.3	101	83	123

Surrogate Summary

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
M4337-14	DDC-8-PD	1,2-Dichloroethane-d4	50	49.3	99		78	117
		Dibromofluoromethane	50	50.3	101		75	124
		Toluene-d8	50	53.3	107		92	112
		4-Bromofluorobenzene	50	50.6	101		83	123
M4337-15	DDC-9-PD	1,2-Dichloroethane-d4	50	49.4	99		78	117
		Dibromofluoromethane	50	50.4	101		75	124
		Toluene-d8	50	53.5	107		92	112
		4-Bromofluorobenzene	50	49.9	100		83	123
M4337-16	DDC-9-PS	1,2-Dichloroethane-d4	50	50.8	102		78	117
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	53.3	107		92	112
		4-Bromofluorobenzene	50	49.7	99		83	123
M4337-17	MW-1S(OFFSITE)	1,2-Dichloroethane-d4	50	50.2	100		78	117
		Dibromofluoromethane	50	50.6	101		75	124
		Toluene-d8	50	53.4	107		92	112
		4-Bromofluorobenzene	50	49.9	100		83	123
M4337-18	MW-1D(OFFSITE)	1,2-Dichloroethane-d4	50	50.1	100		78	117
		Dibromofluoromethane	50	50.0	100		75	124
		Toluene-d8	50	53.1	106		92	112
		4-Bromofluorobenzene	50	50.6	101		83	123
M4337-19MS	MW-1D(OFFSITE)MS	1,2-Dichloroethane-d4	50	55.9	112		78	117
		Dibromofluoromethane	50	53.4	107		75	124
		Toluene-d8	50	52.2	104		92	112
		4-Bromofluorobenzene	50	51.7	103		83	123
M4337-20MSD	MW-1D(OFFSITE)MSD	1,2-Dichloroethane-d4	50	59.5	119	*	78	117
		Dibromofluoromethane	50	57.2	114		75	124
		Toluene-d8	50	55.5	111		92	112
		4-Bromofluorobenzene	50	56.1	112		83	123
M4337-21	DDC-2-PD	1,2-Dichloroethane-d4	50	50.3	101		78	117
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	53.9	108		92	112
		4-Bromofluorobenzene	50	50.3	101		83	123
M4337-22	DDC-2-PS	1,2-Dichloroethane-d4	50	50.8	102		78	117
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	53.0	106		92	112
		4-Bromofluorobenzene	50	50.3	101		83	123
VN1027WBL01	VN1027WBL01	1,2-Dichloroethane-d4	50	49.9	100		78	117
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	53.5	107		92	112
		4-Bromofluorobenzene	50	53.9	108		83	123
VN1027WBL03	VN1027WBL03	1,2-Dichloroethane-d4	50	50.4	101		78	117
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	54.1	108		92	112
		4-Bromofluorobenzene	50	50.2	100		83	123
VN1027WBS02	VN1027WBS02	1,2-Dichloroethane-d4	50	53.4	107		78	117
		Dibromofluoromethane	50	53.9	108		75	124
		Toluene-d8	50	53.7	107		92	112
		4-Bromofluorobenzene	50	53.9	108		83	123
VN1027WBS05	VN1027WBS05	1,2-Dichloroethane-d4	50	53.2	106		78	117
		Dibromofluoromethane	50	54.1	108		75	124
		Toluene-d8	50	54.1	108		92	112
		4-Bromofluorobenzene	50	51.8	104		83	123

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : M4337-19MS		**Client Sample ID : MW-1D(OFFSITE)MS**						**Datafile :** VN069231.D			
Dichlorodifluoromethane	50	0	38.6	ug/L	77				73	120	
Chloromethane	50	0	44.0	ug/L	88				58	133	
Vinyl chloride	50	0	50.2	ug/L	100				69	125	
Bromomethane	50	0	59.2	ug/L	118				45	135	
Chloroethane	50	0	58.5	ug/L	117				77	119	
Trichlorofluoromethane	50	0	48.4	ug/L	97				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	46.9	ug/L	94				75	117	
1,1-Dichloroethene	50	0	45.2	ug/L	90				77	118	
Acetone	250	0	290	ug/L	116				57	139	
Carbon disulfide	50	0	35.8	ug/L	72				67	118	
Methyl tert-butyl Ether	50	0	51.3	ug/L	103				60	148	
Methyl Acetate	50	0	46.7	ug/L	93				60	133	
Methylene Chloride	50	0	48.9	ug/L	98				79	115	
trans-1,2-Dichloroethene	50	0	45.0	ug/L	90				60	133	
1,1-Dichloroethane	50	0	49.6	ug/L	99				78	122	
Cyclohexane	50	0	40.6	ug/L	81				71	119	
2-Butanone	250	0	310	ug/L	124				67	137	
Carbon Tetrachloride	50	0	46.5	ug/L	93				84	115	
cis-1,2-Dichloroethene	50	11.8	66.8	ug/L	110				56	145	
Bromochloromethane	50	0	45.8	ug/L	92				72	130	
Chloroform	50	0	51.7	ug/L	103				83	119	
1,1,1-Trichloroethane	50	0	49.0	ug/L	98				83	117	
Methylcyclohexane	50	0	42.3	ug/L	85				64	120	
Benzene	50	0	48.4	ug/L	97				83	115	
1,2-Dichloroethane	50	0	51.9	ug/L	104				76	120	
Trichloroethene	50	3.90	53.0	ug/L	98				45	149	
1,2-Dichloropropane	50	0	49.0	ug/L	98				85	116	
Bromodichloromethane	50	0	47.2	ug/L	94				86	117	
4-Methyl-2-Pentanone	250	0	300	ug/L	120				72	137	
Toluene	50	0	49.7	ug/L	99				85	115	
t-1,3-Dichloropropene	50	0	40.5	ug/L	81				78	117	
cis-1,3-Dichloropropene	50	0	40.7	ug/L	81				77	115	
1,1,2-Trichloroethane	50	0	51.8	ug/L	104				87	119	
2-Hexanone	250	0	310	ug/L	124				75	131	
Dibromochloromethane	50	0	47.3	ug/L	95				88	118	
1,2-Dibromoethane	50	0	52.9	ug/L	106				85	119	
Tetrachloroethene	50	10.6	62.4	ug/L	104				65	114	
Chlorobenzene	50	0	50.3	ug/L	101				62	141	
Ethyl Benzene	50	0	49.9	ug/L	100				62	134	
m/p-Xylenes	100	0	97.8	ug/L	98				83	117	
o-Xylene	50	0	49.7	ug/L	99				81	120	
Styrene	50	0	49.9	ug/L	100				53	143	
Bromoform	50	0	46.3	ug/L	93				83	121	
Isopropylbenzene	50	0	50.3	ug/L	101				76	121	
1,1,2,2-Tetrachloroethane	50	0	59.5	ug/L	119				66	145	
1,3-Dichlorobenzene	50	0	50.7	ug/L	101				84	110	
1,4-Dichlorobenzene	50	0	49.5	ug/L	99				81	111	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dichlorobenzene	50	0	51.8	ug/L	104				82	113	
1,2-Dibromo-3-Chloropropane	50	0	56.6	ug/L	113				55	152	
1,2,4-Trichlorobenzene	50	0	39.9	ug/L	80				73	120	
1,2,3-Trichlorobenzene	50	0	42.2	ug/L	84				75	119	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : M4337-20MSD	**Client Sample ID :** MW-1D(OFFSITE)MSD							**Datafile :** VN069232.D			
Dichlorodifluoromethane	50	0	41.5	ug/L	83		7		73	120	20
Chloromethane	50	0	46.5	ug/L	93		6		58	133	20
Vinyl chloride	50	0	53.8	ug/L	108		7		69	125	20
Bromomethane	50	0	65.4	ug/L	131		10		45	135	20
Chloroethane	50	0	61.5	ug/L	123	*	5		77	119	20
Trichlorofluoromethane	50	0	51.7	ug/L	103		7		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	50.3	ug/L	101		7		75	117	20
1,1-Dichloroethene	50	0	48.3	ug/L	97		7		77	118	20
Acetone	250	0	320	ug/L	128		10		57	139	20
Carbon disulfide	50	0	38.8	ug/L	78		8		67	118	20
Methyl tert-butyl Ether	50	0	54.1	ug/L	108		5		60	148	20
Methyl Acetate	50	0	50.1	ug/L	100		7		60	133	20
Methylene Chloride	50	0	50.8	ug/L	102		4		79	115	20
trans-1,2-Dichloroethene	50	0	47.9	ug/L	96		6		60	133	20
1,1-Dichloroethane	50	0	52.3	ug/L	105		5		78	122	20
Cyclohexane	50	0	43.8	ug/L	88		8		71	119	20
2-Butanone	250	0	330	ug/L	132		6		67	137	20
Carbon Tetrachloride	50	0	49.6	ug/L	99		6		84	115	20
cis-1,2-Dichloroethene	50	11.8	70.4	ug/L	117		6		56	145	20
Bromochloromethane	50	0	47.7	ug/L	95		4		72	130	20
Chloroform	50	0	55.2	ug/L	110		7		83	119	20
1,1,1-Trichloroethane	50	0	52.0	ug/L	104		6		83	117	20
Methylcyclohexane	50	0	44.8	ug/L	90		6		64	120	20
Benzene	50	0	51.0	ug/L	102		5		83	115	20
1,2-Dichloroethane	50	0	55.3	ug/L	111		6		76	120	20
Trichloroethene	50	3.90	56.2	ug/L	105		7		45	149	20
1,2-Dichloropropane	50	0	51.0	ug/L	102		4		85	116	20
Bromodichloromethane	50	0	50.4	ug/L	101		7		86	117	20
4-Methyl-2-Pentanone	250	0	320	ug/L	128		6		72	137	20
Toluene	50	0	52.6	ug/L	105		6		85	115	20
t-1,3-Dichloropropene	50	0	43.5	ug/L	87		7		78	117	20
cis-1,3-Dichloropropene	50	0	42.9	ug/L	86		5		77	115	20
1,1,2-Trichloroethane	50	0	55.3	ug/L	111		7		87	119	20
2-Hexanone	250	0	340	ug/L	136	*	9		75	131	20
Dibromochloromethane	50	0	50.4	ug/L	101		6		88	118	20
1,2-Dibromoethane	50	0	56.3	ug/L	113		6		85	119	20
Tetrachloroethene	50	10.6	64.3	ug/L	107		3		65	114	20
Chlorobenzene	50	0	52.1	ug/L	104		4		62	141	20
Ethyl Benzene	50	0	51.9	ug/L	104		4		62	134	20
m/p-Xylenes	100	0	100	ug/L	100		2		83	117	20
o-Xylene	50	0	51.6	ug/L	103		4		81	120	20
Styrene	50	0	52.1	ug/L	104		4		53	143	20
Bromoform	50	0	49.2	ug/L	98		6		83	121	20
Isopropylbenzene	50	0	50.9	ug/L	102		1		76	121	20
1,1,2,2-Tetrachloroethane	50	0	60.8	ug/L	122		2		66	145	20
1,3-Dichlorobenzene	50	0	52.2	ug/L	104		3		84	110	20
1,4-Dichlorobenzene	50	0	50.9	ug/L	102		3		81	111	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dichlorobenzene	50	0	53.1	ug/L	106		2		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	61.3	ug/L	123		8		55	152	20
1,2,4-Trichlorobenzene	50	0	42.8	ug/L	86		7		73	120	20
1,2,3-Trichlorobenzene	50	0	46.4	ug/L	93		9		75	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4337
Client: EA Engineering Science & Technology
Analytical Method: SW8260-Low **Datafile :** VN069181.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1027WBS02	Dichlorodifluoromethane	20	17.8	ug/L	89			69	116	
	Chloromethane	20	17.3	ug/L	86			65	116	
	Vinyl chloride	20	20.7	ug/L	104			65	117	
	Bromomethane	20	24.5	ug/L	123			55	134	
	Chloroethane	20	22.6	ug/L	113		*	73	112	
	Trichlorofluoromethane	20	20.6	ug/L	103			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.7	ug/L	109			80	112	
	1,1-Dichloroethene	20	19.4	ug/L	97			74	110	
	Acetone	100	130	ug/L	130		*	60	125	
	Carbon disulfide	20	16.7	ug/L	84			64	112	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			78	114	
	Methyl Acetate	20	22.1	ug/L	111			67	125	
	Methylene Chloride	20	20.2	ug/L	101			72	114	
	trans-1,2-Dichloroethene	20	19.3	ug/L	97			75	108	
	1,1-Dichloroethane	20	20.0	ug/L	100			78	112	
	Cyclohexane	20	18.1	ug/L	91			75	110	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	20.0	ug/L	100			77	113	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			77	110	
	Bromochloromethane	20	18.6	ug/L	93			70	124	
	Chloroform	20	20.5	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	19.6	ug/L	98			80	108	
	Methylcyclohexane	20	20.5	ug/L	103			72	115	
	Benzene	20	20.6	ug/L	103			82	109	
	1,2-Dichloroethane	20	21.4	ug/L	107			80	115	
	Trichloroethene	20	21.2	ug/L	106			77	113	
	1,2-Dichloropropane	20	20.4	ug/L	102			83	111	
	Bromodichloromethane	20	20.0	ug/L	100			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.2	ug/L	106			82	110	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			79	110	
	cis-1,3-Dichloropropene	20	19.9	ug/L	100			82	110	
	1,1,2-Trichloroethane	20	21.5	ug/L	108			83	112	
	2-Hexanone	100	120	ug/L	120		*	73	117	
	Dibromochloromethane	20	19.1	ug/L	96			82	110	
	1,2-Dibromoethane	20	21.6	ug/L	108			81	110	
	Tetrachloroethene	20	20.4	ug/L	102			67	123	
	Chlorobenzene	20	21.8	ug/L	109			82	109	
	Ethyl Benzene	20	21.7	ug/L	109			83	109	
	m/p-Xylenes	40	43.0	ug/L	108			82	110	
	o-Xylene	20	21.0	ug/L	105			83	109	
	Styrene	20	21.3	ug/L	106			80	111	
	Bromoform	20	18.5	ug/L	93			79	109	
	Isopropylbenzene	20	20.1	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			76	118	
	1,3-Dichlorobenzene	20	21.7	ug/L	109		*	82	108	
	1,4-Dichlorobenzene	20	21.3	ug/L	106			82	107	
	1,2-Dichlorobenzene	20	21.4	ug/L	107			82	109	
	1,2-Dibromo-3-Chloropropane	20	21.0	ug/L	105			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069181.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1027WBS02	1,2,4-Trichlorobenzene	20	21.5	ug/L	108			74	114	
	1,2,3-Trichlorobenzene	20	21.3	ug/L	106			77	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069213.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1027WBS05	Dichlorodifluoromethane	20	17.4	ug/L	87			69	116	
	Chloromethane	20	17.5	ug/L	88			65	116	
	Vinyl chloride	20	20.5	ug/L	103			65	117	
	Bromomethane	20	25.6	ug/L	128			55	134	
	Chloroethane	20	22.7	ug/L	114		*	73	112	
	Trichlorofluoromethane	20	20.3	ug/L	102			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106			80	112	
	1,1-Dichloroethene	20	18.5	ug/L	93			74	110	
	Acetone	100	120	ug/L	120			60	125	
	Carbon disulfide	20	15.0	ug/L	75			64	112	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			78	114	
	Methyl Acetate	20	22.4	ug/L	112			67	125	
	Methylene Chloride	20	19.6	ug/L	98			72	114	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			75	108	
	1,1-Dichloroethane	20	19.8	ug/L	99			78	112	
	Cyclohexane	20	17.6	ug/L	88			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	19.8	ug/L	99			77	113	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			77	110	
	Bromochloromethane	20	21.1	ug/L	106			70	124	
	Chloroform	20	20.5	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	19.6	ug/L	98			80	108	
	Methylcyclohexane	20	19.8	ug/L	99			72	115	
	Benzene	20	20.4	ug/L	102			82	109	
	1,2-Dichloroethane	20	22.2	ug/L	111			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	20.4	ug/L	102			83	111	
	Bromodichloromethane	20	19.5	ug/L	98			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.8	ug/L	104			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			82	110	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	18.3	ug/L	92			82	110	
	1,2-Dibromoethane	20	21.2	ug/L	106			81	110	
	Tetrachloroethene	20	19.9	ug/L	100			67	123	
	Chlorobenzene	20	21.1	ug/L	106			82	109	
	Ethyl Benzene	20	21.0	ug/L	105			83	109	
	m/p-Xylenes	40	41.4	ug/L	104			82	110	
	o-Xylene	20	20.5	ug/L	103			83	109	
	Styrene	20	20.2	ug/L	101			80	111	
	Bromoform	20	17.2	ug/L	86			79	109	
	Isopropylbenzene	20	21.2	ug/L	106			83	112	
	1,1,2,2-Tetrachloroethane	20	23.1	ug/L	116			76	118	
	1,3-Dichlorobenzene	20	20.9	ug/L	104			82	108	
	1,4-Dichlorobenzene	20	20.6	ug/L	103			82	107	
	1,2-Dichlorobenzene	20	20.9	ug/L	104			82	109	
	1,2-Dibromo-3-Chloropropane	20	20.7	ug/L	104			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4337

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069213.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1027WBS05	1,2,4-Trichlorobenzene	20	18.3	ug/L	92			74	114	
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93			77	113	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1027WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN069179.D Lab Sample ID: VN1027WBL01

Date Analyzed: 10/26/2021 Time Analyzed: 11:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1027WBS02	VN1027WBS02	VN069181.D	10/26/2021
DDC-5-PS	M4337-01	VN069183.D	10/26/2021
DDC-5-PD	M4337-02	VN069184.D	10/26/2021
DDC-6-PS	M4337-03	VN069185.D	10/26/2021
MW-3D(OFFSITE)	M4337-04	VN069186.D	10/26/2021
DDC-6-PD	M4337-05	VN069187.D	10/26/2021
MW-3S(OFFSITE)	M4337-06	VN069188.D	10/26/2021
DDC-7-PS	M4337-07	VN069189.D	10/26/2021
DDC-7-PD	M4337-08	VN069190.D	10/26/2021
MW-2S(OFFSITE)	M4337-09	VN069191.D	10/26/2021
DDC-10-PD	M4337-10	VN069192.D	10/26/2021
DDC-10-PS	M4337-11	VN069193.D	10/26/2021
MW-2D-(OFFSITE)	M4337-12	VN069194.D	10/26/2021
DDC-8-PS	M4337-13	VN069195.D	10/26/2021
DDC-8-PD	M4337-14	VN069196.D	10/26/2021
DDC-9-PD	M4337-15	VN069197.D	10/26/2021

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1027WBL03

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN069212.D Lab Sample ID: VN1027WBL03

Date Analyzed: 10/27/2021 Time Analyzed: 12:25

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1027WBS05	VN1027WBS05	VN069213.D	10/27/2021
DDC-2-PD	M4337-21	VN069215.D	10/27/2021
DDC-9-PS	M4337-16	VN069216.D	10/27/2021
MW-1S(OFFSITE)	M4337-17	VN069217.D	10/27/2021
MW-1D(OFFSITE)	M4337-18	VN069218.D	10/27/2021
DDC-2-PS	M4337-22	VN069219.D	10/27/2021
MW-1D(OFFSITE)MS	M4337-19MS	VN069231.D	10/27/2021
MW-1D(OFFSITE)MSD	M4337-20MSD	VN069232.D	10/27/2021

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN068857.D BFB Injection Date: 10/12/2021

Instrument ID: MSVOA_N BFB Injection Time: 09:19

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	73.1 (98.6) 1
177	5.0 - 9.0% of mass 176	4.4 (6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN068858.D	10/12/2021	09:54
VSTDICC005	VSTDICC005	VN068859.D	10/12/2021	10:59
VSTDICC020	VSTDICC020	VN068860.D	10/12/2021	11:24
VSTDICCC050	VSTDICCC050	VN068861.D	10/12/2021	11:50
VSTDICC100	VSTDICC100	VN068862.D	10/12/2021	12:15
VSTDICC150	VSTDICC150	VN068863.D	10/12/2021	12:40

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN069176.D BFB Injection Date: 10/26/2021

Instrument ID: MSVOA_N BFB Injection Time: 08:41

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72.5 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN069177.D	10/26/2021	10:35
VN1027WBL01	VN1027WBL01	VN069179.D	10/26/2021	11:34
VN1027WBS02	VN1027WBS02	VN069181.D	10/26/2021	13:19
DDC-5-PS	M4337-01	VN069183.D	10/26/2021	14:14
DDC-5-PD	M4337-02	VN069184.D	10/26/2021	14:39
DDC-6-PS	M4337-03	VN069185.D	10/26/2021	15:04
MW-3D(OFFSITE)	M4337-04	VN069186.D	10/26/2021	15:29
DDC-6-PD	M4337-05	VN069187.D	10/26/2021	15:54
MW-3S(OFFSITE)	M4337-06	VN069188.D	10/26/2021	16:20
DDC-7-PS	M4337-07	VN069189.D	10/26/2021	16:45
DDC-7-PD	M4337-08	VN069190.D	10/26/2021	17:10
MW-2S(OFFSITE)	M4337-09	VN069191.D	10/26/2021	17:35
DDC-10-PD	M4337-10	VN069192.D	10/26/2021	18:01
DDC-10-PS	M4337-11	VN069193.D	10/26/2021	18:26
MW-2D-(OFFSITE)	M4337-12	VN069194.D	10/26/2021	18:51
DDC-8-PS	M4337-13	VN069195.D	10/26/2021	19:16
DDC-8-PD	M4337-14	VN069196.D	10/26/2021	19:41
DDC-9-PD	M4337-15	VN069197.D	10/26/2021	20:06

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN069209.D BFB Injection Date: 10/27/2021

Instrument ID: MSVOA_N BFB Injection Time: 09:30

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	74.2
175	5.0 - 9.0% of mass 174	5.9 (8) 1
176	95.0 - 101.0% of mass 174	73.2 (98.7) 1
177	5.0 - 9.0% of mass 176	4.9 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN069210.D	10/27/2021	11:18
VN1027WBL03	VN1027WBL03	VN069212.D	10/27/2021	12:25
VN1027WBS05	VN1027WBS05	VN069213.D	10/27/2021	12:57
DDC-2-PD	M4337-21	VN069215.D	10/27/2021	13:51
DDC-9-PS	M4337-16	VN069216.D	10/27/2021	14:16
MW-1S(OFFSITE)	M4337-17	VN069217.D	10/27/2021	14:41
MW-1D(OFFSITE)	M4337-18	VN069218.D	10/27/2021	15:06
DDC-2-PS	M4337-22	VN069219.D	10/27/2021	15:32
MW-1D(OFFSITE)MS	M4337-19MS	VN069231.D	10/27/2021	20:33
MW-1D(OFFSITE)MSD	M4337-20MSD	VN069232.D	10/27/2021	20:58

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN069177.D Date Analyzed: 10/26/2021

Instrument ID: MSVOA_N Time Analyzed: 10:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	286949	8.09	487217	8.97	467555	11.75
UPPER LIMIT	573898	8.586	974434	9.468	935110	12.247
LOWER LIMIT	143475	7.586	243609	8.468	233778	11.247
EPA SAMPLE NO.						
DDC-5-PS	345102	8.09	597484	8.97	575868	11.75
DDC-5-PD	348143	8.09	604634	8.97	582576	11.75
DDC-6-PS	367699	8.09	633958	8.97	607530	11.75
MW-3D(OFFSITE)	358952	8.09	621420	8.97	598449	11.75
DDC-6-PD	337186	8.09	587231	8.97	560296	11.75
MW-3S(OFFSITE)	339599	8.09	596621	8.97	569300	11.75
DDC-7-PS	339084	8.09	588039	8.97	574103	11.75
DDC-7-PD	328589	8.09	573666	8.97	556632	11.75
MW-2S(OFFSITE)	339265	8.09	589162	8.97	566969	11.75
DDC-10-PD	354102	8.09	615094	8.97	578972	11.75
DDC-10-PS	338671	8.09	588434	8.97	562949	11.75
MW-2D-(OFFSITE)	370778	8.09	632528	8.97	601583	11.75
DDC-8-PS	331650	8.09	577414	8.97	558379	11.75
DDC-8-PD	328458	8.09	570120	8.97	541482	11.75
DDC-9-PD	373184	8.09	642025	8.97	621111	11.75
VN1027WBL01	332930	8.09	582094	8.97	580340	11.75
VN1027WBS02	275968	8.09	474290	8.97	437585	11.75

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN069177.D Date Analyzed: 10/26/2021

Instrument ID: MSVOA_N Time Analyzed: 10:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	210624	13.678				
UPPER LIMIT	421248	14.178				
LOWER LIMIT	105312	13.178				
EPA SAMPLE NO.						
DDC-5-PS	220627	13.68				
DDC-5-PD	218907	13.68				
DDC-6-PS	229580	13.68				
MW-3D(OFFSITE)	230145	13.68				
DDC-6-PD	211221	13.68				
MW-3S(OFFSITE)	213529	13.68				
DDC-7-PS	210526	13.68				
DDC-7-PD	199494	13.68				
MW-2S(OFFSITE)	212656	13.68				
DDC-10-PD	210996	13.68				
DDC-10-PS	204492	13.68				
MW-2D-(OFFSITE)	216108	13.68				
DDC-8-PS	203413	13.68				
DDC-8-PD	204987	13.68				
DDC-9-PD	220826	13.68				
VN1027WBL01	233081	13.68				
VN1027WBS02	197334	13.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN069210.D Date Analyzed: 10/27/2021

Instrument ID: MSVOA_N Time Analyzed: 11:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	274899	8.09	467584	8.97	445197	11.75
UPPER LIMIT	549798	8.586	935168	9.468	890394	12.246
LOWER LIMIT	137450	7.586	233792	8.468	222599	11.246
EPA SAMPLE NO.						
DDC-9-PS	333528	8.09	585290	8.97	567130	11.75
MW-1S(OFFSITE)	377598	8.09	657542	8.97	628907	11.75
MW-1D(OFFSITE)	358364	8.09	627615	8.97	599295	11.75
MW-1D(OFFSITE)MS	236313	8.09	424750	8.97	396169	11.75
MW-1D(OFFSITE)MSD	225973	8.09	406189	8.97	387033	11.75
DDC-2-PD	325925	8.09	566754	8.97	549842	11.75
DDC-2-PS	322907	8.09	568196	8.97	540558	11.75
VN1027WBL03	334684	8.09	585348	8.97	560566	11.75
VN1027WBS05	248112	8.09	421502	8.97	390270	11.75

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG NO.: M4337

Lab File ID: VN069210.D Date Analyzed: 10/27/2021

Instrument ID: MSVOA_N Time Analyzed: 11:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	190941	13.677				
UPPER LIMIT	381882	14.177				
LOWER LIMIT	95470.5	13.177				
EPA SAMPLE NO.						
DDC-9-PS	201474	13.68				
MW-1S(OFFSITE)	223768	13.68				
MW-1D(OFFSITE)	221758	13.68				
MW-1D(OFFSITE)MS	165310	13.68				
MW-1D(OFFSITE)MSD	165993	13.68				
DDC-2-PD	198881	13.68				
DDC-2-PS	197174	13.68				
VN1027WBL03	206672	13.68				
VN1027WBS05	160465	13.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

 # Column used to flag values outside QC limits with an asterisk.
*** Values outside of QC limits.**

QC SAMPLE DATA

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL01	SDG No.:	M4337
Lab Sample ID:	VN1027WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069179.D	1		10/26/21 11:34	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL01	SDG No.:	M4337
Lab Sample ID:	VN1027WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069179.D	1		10/26/21 11:34	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	333000	8.088			
540-36-3	1,4-Difluorobenzene	582000	8.971			
3114-55-4	Chlorobenzene-d5	580000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	233000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL01	SDG No.:	M4337
Lab Sample ID:	VN1027WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069179.D	1		10/26/21 11:34	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL03	SDG No.:	M4337
Lab Sample ID:	VN1027WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069212.D	1		10/27/21 12:25	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL03	SDG No.:	M4337
Lab Sample ID:	VN1027WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069212.D	1		10/27/21 12:25	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		78 - 117	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	54.1		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	335000	8.088			
540-36-3	1,4-Difluorobenzene	585000	8.971			
3114-55-4	Chlorobenzene-d5	561000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.678			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL03	SDG No.:	M4337
Lab Sample ID:	VN1027WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069212.D	1		10/27/21 12:25	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS02	SDG No.:	M4337
Lab Sample ID:	VN1027WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069181.D	1		10/26/21 13:19	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.8		0.23	1.00	ug/L
74-87-3	Chloromethane	17.3		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	20.7		0.19	1.00	ug/L
74-83-9	Bromomethane	24.5		0.87	5.00	ug/L
75-00-3	Chloroethane	22.6		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.7		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.26	1.00	ug/L
67-64-1	Acetone	130		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	16.7		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.22	1.00	ug/L
79-20-9	Methyl Acetate	22.1		0.47	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.21	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.30	5.00	ug/L
78-93-3	2-Butanone	120		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.22	1.00	ug/L
74-97-5	Bromochloromethane	18.6		0.26	1.00	ug/L
67-66-3	Chloroform	20.5		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.5		0.14	1.00	ug/L
71-43-2	Benzene	20.6		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.25	1.00	ug/L
79-01-6	Trichloroethene	21.2		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	21.2		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.6		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS02	SDG No.:	M4337
Lab Sample ID:	VN1027WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069181.D	1		10/26/21 13:19	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	21.5		0.24	1.00	ug/L
591-78-6	2-Hexanone	120		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	19.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	21.8		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	21.7		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	43.0		0.32	2.00	ug/L
95-47-6	o-Xylene	21.0		0.19	1.00	ug/L
100-42-5	Styrene	21.3		0.16	1.00	ug/L
75-25-2	Bromoform	18.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.7		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.3		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.4		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.5		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.3		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	53.7		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	276000	8.088			
540-36-3	1,4-Difluorobenzene	474000	8.971			
3114-55-4	Chlorobenzene-d5	438000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	197000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS02	SDG No.:	M4337
Lab Sample ID:	VN1027WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069181.D	1		10/26/21 13:19	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS05	SDG No.:	M4337
Lab Sample ID:	VN1027WBS05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069213.D	1		10/27/21 12:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.4		0.23	1.00	ug/L
74-87-3	Chloromethane	17.5		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	20.5		0.19	1.00	ug/L
74-83-9	Bromomethane	25.6		0.87	5.00	ug/L
75-00-3	Chloroethane	22.7		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.3		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.26	1.00	ug/L
67-64-1	Acetone	120		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.22	1.00	ug/L
79-20-9	Methyl Acetate	22.4		0.47	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.21	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.30	5.00	ug/L
78-93-3	2-Butanone	110		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.22	1.00	ug/L
74-97-5	Bromochloromethane	21.1		0.26	1.00	ug/L
67-66-3	Chloroform	20.5		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.14	1.00	ug/L
71-43-2	Benzene	20.4		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	22.2		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	20.8		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.4		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS05	SDG No.:	M4337
Lab Sample ID:	VN1027WBS05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069213.D	1		10/27/21 12:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	21.4		0.24	1.00	ug/L
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	18.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.17	1.00	ug/L
108-90-7	Chlorobenzene	21.1		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	41.4		0.32	2.00	ug/L
95-47-6	o-Xylene	20.5		0.19	1.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	17.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.2		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	23.1		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.9		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.6		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.3		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	54.2		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	8.088			
540-36-3	1,4-Difluorobenzene	422000	8.971			
3114-55-4	Chlorobenzene-d5	390000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS05	SDG No.:	M4337
Lab Sample ID:	VN1027WBS05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069213.D	1		10/27/21 12:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)MS	SDG No.:	M4337
Lab Sample ID:	M4337-19MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069231.D	1		10/27/21 20:33	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	38.6		0.23	1.00	ug/L
74-87-3	Chloromethane	44.0		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	50.2		0.19	1.00	ug/L
74-83-9	Bromomethane	59.2		0.87	5.00	ug/L
75-00-3	Chloroethane	58.5		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	48.4		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	46.9		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	45.2		0.26	1.00	ug/L
67-64-1	Acetone	290		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	35.8		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	51.3		0.22	1.00	ug/L
79-20-9	Methyl Acetate	46.7		0.47	1.00	ug/L
75-09-2	Methylene Chloride	48.9		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	45.0		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	49.6		0.21	1.00	ug/L
110-82-7	Cyclohexane	40.6		1.30	5.00	ug/L
78-93-3	2-Butanone	310		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	46.5		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	66.8		0.22	1.00	ug/L
74-97-5	Bromochloromethane	45.8		0.26	1.00	ug/L
67-66-3	Chloroform	51.7		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	49.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	42.3		0.14	1.00	ug/L
71-43-2	Benzene	48.4		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	51.9		0.25	1.00	ug/L
79-01-6	Trichloroethene	53.0		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	49.0		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	47.2		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	300		0.87	5.00	ug/L
108-88-3	Toluene	49.7		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	40.5		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	40.7		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)MS	SDG No.:	M4337
Lab Sample ID:	M4337-19MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069231.D	1		10/27/21 20:33	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	51.8		0.24	1.00	ug/L
591-78-6	2-Hexanone	310		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	47.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	52.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	62.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	50.3		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	49.9		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	97.8		0.32	2.00	ug/L
95-47-6	o-Xylene	49.7		0.19	1.00	ug/L
100-42-5	Styrene	49.9		0.16	1.00	ug/L
75-25-2	Bromoform	46.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	50.3		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	59.5		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.7		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.5		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	56.6		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	39.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	42.2		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		78 - 117	112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	52.2		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	236000	8.088			
540-36-3	1,4-Difluorobenzene	425000	8.968			
3114-55-4	Chlorobenzene-d5	396000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.675			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)MS	SDG No.:	M4337
Lab Sample ID:	M4337-19MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069231.D	1		10/27/21 20:33	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)MSD	SDG No.:	M4337
Lab Sample ID:	M4337-20MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069232.D	1		10/27/21 20:58	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	41.5		0.23	1.00	ug/L
74-87-3	Chloromethane	46.5		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	53.8		0.19	1.00	ug/L
74-83-9	Bromomethane	65.4		0.87	5.00	ug/L
75-00-3	Chloroethane	61.5		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	51.7		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	48.3		0.26	1.00	ug/L
67-64-1	Acetone	320		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	38.8		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	54.1		0.22	1.00	ug/L
79-20-9	Methyl Acetate	50.1		0.47	1.00	ug/L
75-09-2	Methylene Chloride	50.8		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	47.9		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.3		0.21	1.00	ug/L
110-82-7	Cyclohexane	43.8		1.30	5.00	ug/L
78-93-3	2-Butanone	330		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	49.6		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	70.4		0.22	1.00	ug/L
74-97-5	Bromochloromethane	47.7		0.26	1.00	ug/L
67-66-3	Chloroform	55.2		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	52.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	44.8		0.14	1.00	ug/L
71-43-2	Benzene	51.0		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	55.3		0.25	1.00	ug/L
79-01-6	Trichloroethene	56.2		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.0		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	50.4		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	320		0.87	5.00	ug/L
108-88-3	Toluene	52.6		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	43.5		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.9		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)MSD	SDG No.:	M4337
Lab Sample ID:	M4337-20MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069232.D	1		10/27/21 20:58	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	55.3		0.24	1.00	ug/L
591-78-6	2-Hexanone	340		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	50.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	56.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	64.3		0.17	1.00	ug/L
108-90-7	Chlorobenzene	52.1		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	51.9		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.32	2.00	ug/L
95-47-6	o-Xylene	51.6		0.19	1.00	ug/L
100-42-5	Styrene	52.1		0.16	1.00	ug/L
75-25-2	Bromoform	49.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	50.9		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	60.8		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	52.2		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.9		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	61.3		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.8		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	46.4		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5	*	78 - 117	119%	SPK: 50
1868-53-7	Dibromofluoromethane	57.2		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	55.5		92 - 112	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		83 - 123	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	8.086			
540-36-3	1,4-Difluorobenzene	406000	8.968			
3114-55-4	Chlorobenzene-d5	387000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(OFFSITE)MSD	SDG No.:	M4337
Lab Sample ID:	M4337-20MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069232.D	1		10/27/21 20:58	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG No.: M4337

Instrument ID: MSVOA_N Calibration Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Calibration Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN068858.D RRF005 = VN068859.D RRF020 = VN068860.D
RRF050 = VN068861.D RRF100 = VN068862.D RRF150 = VN068863.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.389	0.413	0.598	0.607	0.640	0.631	0.546	20.8
Chloromethane	0.567	0.544	0.646	0.654	0.637	0.619	0.611	7.4
Vinyl Chloride	0.483	0.539	0.678	0.682	0.679	0.663	0.621	14
Bromomethane		0.336	0.396	0.387	0.342	0.246	0.341	17.4
Chloroethane	0.293	0.336	0.393	0.403	0.388	0.382	0.366	11.6
Trichlorofluoromethane	0.686	0.773	0.928	0.933	0.955	0.940	0.869	12.9
1,1,2-Trichlorotrifluoroethane	0.372	0.409	0.499	0.500	0.517	0.507	0.467	13.1
1,1-Dichloroethene	0.445	0.437	0.505	0.496	0.513	0.503	0.483	6.9
Acetone	0.215	0.215	0.276	0.265	0.257	0.248	0.246	10.4
Carbon Disulfide	1.029	1.121	1.371	1.417	1.469	1.461	1.311	14.4
Methyl tert-butyl Ether	1.359	1.591	1.896	1.963	2.023	1.961	1.799	14.7
Methyl Acetate	0.715	0.884	0.972	0.997	1.024	1.006	0.933	12.6
Methylene Chloride	0.508	0.542	0.567	0.589	0.604	0.588	0.566	6.3
trans-1,2-Dichloroethene	0.470	0.464	0.529	0.551	0.567	0.552	0.522	8.5
1,1-Dichloroethane	0.791	0.872	1.030	1.048	1.074	1.057	0.979	12
Cyclohexane		1.033	1.036	1.034	1.035	0.987	1.025	2.1
2-Butanone	0.283	0.328	0.399	0.411	0.410	0.400	0.372	14.4
Carbon Tetrachloride	0.395	0.390	0.499	0.516	0.518	0.496	0.469	12.8
cis-1,2-Dichloroethene	0.604	0.555	0.636	0.665	0.671	0.655	0.631	7
Bromochloromethane	0.330	0.458	0.386	0.450	0.516	0.519	0.443	16.7
Chloroform	0.838	0.917	1.069	1.123	1.140	1.101	1.031	12
1,1,1-Trichloroethane	0.851	0.807	0.990	1.036	1.057	1.026	0.961	11
Methylcyclohexane	0.425	0.470	0.590	0.611	0.614	0.589	0.550	14.7
Benzene	1.041	1.135	1.389	1.440	1.429	1.368	1.300	13
1,2-Dichloroethane	0.358	0.404	0.487	0.513	0.509	0.492	0.461	13.9
Trichloroethene	0.251	0.284	0.346	0.359	0.364	0.349	0.325	14.4
1,2-Dichloropropane	0.266	0.298	0.360	0.372	0.371	0.359	0.337	13.2
Bromodichloromethane	0.370	0.407	0.505	0.534	0.533	0.516	0.477	14.8
4-Methyl-2-Pentanone	0.325	0.395	0.483	0.510	0.499	0.496	0.451	16.6
Toluene	0.642	0.712	0.883	0.950	0.933	0.901	0.837	15.3
t-1,3-Dichloropropene	0.399	0.460	0.563	0.605	0.614	0.602	0.541	16.6
cis-1,3-Dichloropropene	0.426	0.474	0.596	0.629	0.637	0.614	0.563	15.9
1,1,2-Trichloroethane	0.265	0.294	0.343	0.362	0.362	0.353	0.330	12.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG No.: M4337

Instrument ID: MSVOA_N Calibration Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Calibration Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN068858.D RRF005 = VN068859.D RRF020 = VN068860.D
RRF050 = VN068861.D RRF100 = VN068862.D RRF150 = VN068863.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Hexanone	0.228	0.277	0.342	0.367	0.362	0.366	0.324	18
Dibromochloromethane	0.288	0.317	0.392	0.414	0.416	0.407	0.372	14.9
1,2-Dibromoethane	0.244	0.292	0.358	0.383	0.381	0.372	0.338	16.9
Tetrachloroethene	0.266	0.301	0.349	0.354	0.343	0.321	0.322	10.5
Chlorobenzene	0.774	0.827	1.002	1.032	1.037	1.005	0.946	12.1
Ethyl Benzene	1.352	1.547	1.898	1.961	1.937	1.850	1.758	14.2
m/p-Xylenes	0.526	0.569	0.719	0.740	0.734	0.709	0.666	14
o-Xylene	0.518	0.572	0.720	0.737	0.737	0.718	0.667	14.4
Styrene	0.790	0.900	1.140	1.213	1.240	1.231	1.086	17.8
Bromoform	0.223	0.252	0.310	0.330	0.332	0.333	0.297	15.9
Isopropylbenzene	3.580	3.975	4.381	4.438	4.347	4.249	4.162	7.9
1,1,2,2-Tetrachloroethane	1.077	1.179	1.265	1.285	1.235	1.175	1.203	6.3
1,3-Dichlorobenzene	1.246	1.426	1.700	1.744	1.739	1.697	1.592	13
1,4-Dichlorobenzene	1.285	1.409	1.662	1.722	1.720	1.681	1.580	11.8
1,2-Dichlorobenzene	1.258	1.367	1.658	1.706	1.675	1.615	1.546	12.1
1,2-Dibromo-3-Chloropropane	0.171	0.214	0.247	0.257	0.252	0.251	0.232	14.5
1,2,4-Trichlorobenzene	0.340	0.529	0.706	0.806	0.863	0.875	0.686	31
1,2,3-Trichlorobenzene	0.321	0.473	0.688	0.771	0.818	0.832	0.650	32
1,2-Dichloroethane-d4		0.692	0.545	0.618	0.720	0.721	0.659	11.6
Dibromofluoromethane		0.306	0.239	0.274	0.319	0.316	0.291	11.6
Toluene-d8		1.178	0.967	1.121	1.277	1.277	1.164	11.1
4-Bromofluorobenzene		0.406	0.348	0.420	0.497	0.524	0.439	16.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG No.: M4337

Instrument ID: MSVOA_N Calibration Date/Time: 10/26/2021 10:35

Lab File ID: VN069177.D Init. Calib. Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.546	0.516		-5.49	20
Chloromethane	0.611	0.511	0.1	-16.37	20
Vinyl Chloride	0.621	0.627		0.97	20
Bromomethane	0.341	0.397		16.42	20
Chloroethane	0.366	0.405		10.66	20
Trichlorofluoromethane	0.869	0.870		0.12	20
1,1,2-Trichlorotrifluoroethane	0.467	0.484		3.64	20
1,1-Dichloroethene	0.483	0.444		-8.07	20
Acetone	0.246	0.325		32.11	20
Carbon Disulfide	1.311	1.082		-17.47	20
Methyl tert-butyl Ether	1.799	1.808		0.5	20
Methyl Acetate	0.933	1.028		10.18	20
Methylene Chloride	0.566	0.540		-4.59	20
trans-1,2-Dichloroethene	0.522	0.489		-6.32	20
1,1-Dichloroethane	0.979	0.952	0.1	-2.76	20
Cyclohexane	1.025	0.881		-14.05	20
2-Butanone	0.372	0.439		18.01	20
Carbon Tetrachloride	0.469	0.475		1.28	20
cis-1,2-Dichloroethene	0.631	0.609		-3.49	20
Bromochloromethane	0.443	0.464		4.74	20
Chloroform	1.031	1.057		2.52	20
1,1,1-Trichloroethane	0.961	0.949		-1.25	20
Methylcyclohexane	0.550	0.567		3.09	20
Benzene	1.300	1.327		2.08	20
1,2-Dichloroethane	0.461	0.501		8.68	20
Trichloroethene	0.325	0.338		4	20
1,2-Dichloropropane	0.337	0.343		1.78	20
Bromodichloromethane	0.477	0.491		2.93	20
4-Methyl-2-Pentanone	0.451	0.519		15.08	20
Toluene	0.837	0.889		6.21	20
t-1,3-Dichloropropene	0.541	0.571		5.55	20
cis-1,3-Dichloropropene	0.563	0.586		4.09	20
1,1,2-Trichloroethane	0.330	0.358		8.48	20
2-Hexanone	0.324	0.410		26.54	20
Dibromochloromethane	0.372	0.385		3.49	20
1,2-Dibromoethane	0.338	0.381		12.72	20
Tetrachloroethene	0.322	0.310		-3.73	20
Chlorobenzene	0.946	1.009	0.3	6.66	20
Ethyl Benzene	1.758	1.878		6.83	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG No.: M4337

Instrument ID: MSVOA_N Calibration Date/Time: 10/26/2021 10:35

Lab File ID: VN069177.D Init. Calib. Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.666	0.706		6.01	20
o-Xylene	0.667	0.699		4.8	20
Styrene	1.086	1.178		8.47	20
Bromoform	0.297	0.303	0.1	2.02	20
Isopropylbenzene	4.162	4.175		0.31	20
1,1,2,2-Tetrachloroethane	1.203	1.323	0.3	9.98	20
1,3-Dichlorobenzene	1.592	1.730		8.67	20
1,4-Dichlorobenzene	1.580	1.692		7.09	20
1,2-Dichlorobenzene	1.546	1.616		4.53	20
1,2-Dibromo-3-Chloropropane	0.232	0.259		11.64	20
1,2,4-Trichlorobenzene	0.686	0.872		27.11	20
1,2,3-Trichlorobenzene	0.650	0.825		26.92	20
1,2-Dichloroethane-d4	0.659	0.696		5.61	20
Dibromofluoromethane	0.291	0.312		7.22	20
Toluene-d8	1.164	1.259		8.16	20
4-Bromofluorobenzene	0.439	0.508		15.72	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG No.: M4337

Instrument ID: MSVOA_N Calibration Date/Time: 10/27/2021 11:18

Lab File ID: VN069210.D Init. Calib. Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.546	0.521		-4.58	20
Chloromethane	0.611	0.522	0.1	-14.57	20
Vinyl Chloride	0.621	0.636		2.41	20
Bromomethane	0.341	0.420		23.17	20
Chloroethane	0.366	0.424		15.85	20
Trichlorofluoromethane	0.869	0.876		0.81	20
1,1,2-Trichlorotrifluoroethane	0.467	0.496		6.21	20
1,1-Dichloroethene	0.483	0.446		-7.66	20
Acetone	0.246	0.335		36.18	20
Carbon Disulfide	1.311	1.044		-20.37	20
Methyl tert-butyl Ether	1.799	1.833		1.89	20
Methyl Acetate	0.933	1.044		11.9	20
Methylene Chloride	0.566	0.551		-2.65	20
trans-1,2-Dichloroethene	0.522	0.482		-7.66	20
1,1-Dichloroethane	0.979	0.976	0.1	-0.31	20
Cyclohexane	1.025	0.891		-13.07	20
2-Butanone	0.372	0.444		19.35	20
Carbon Tetrachloride	0.469	0.479		2.13	20
cis-1,2-Dichloroethene	0.631	0.611		-3.17	20
Bromochloromethane	0.443	0.486		9.71	20
Chloroform	1.031	1.069		3.69	20
1,1,1-Trichloroethane	0.961	0.974		1.35	20
Methylcyclohexane	0.550	0.568		3.27	20
Benzene	1.300	1.345		3.46	20
1,2-Dichloroethane	0.461	0.510		10.63	20
Trichloroethene	0.325	0.337		3.69	20
1,2-Dichloropropane	0.337	0.351		4.15	20
Bromodichloromethane	0.477	0.501		5.03	20
4-Methyl-2-Pentanone	0.451	0.523		15.97	20
Toluene	0.837	0.900		7.53	20
t-1,3-Dichloropropene	0.541	0.563		4.07	20
cis-1,3-Dichloropropene	0.563	0.585		3.91	20
1,1,2-Trichloroethane	0.330	0.363		10	20
2-Hexanone	0.324	0.402		24.07	20
Dibromochloromethane	0.372	0.387		4.03	20
1,2-Dibromoethane	0.338	0.383		13.31	20
Tetrachloroethene	0.322	0.319		-0.93	20
Chlorobenzene	0.946	1.023	0.3	8.14	20
Ethyl Benzene	1.758	1.909		8.59	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4337 SAS No.: M4337 SDG No.: M4337

Instrument ID: MSVOA_N Calibration Date/Time: 10/27/2021 11:18

Lab File ID: VN069210.D Init. Calib. Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.666	0.718		7.81	20
o-Xylene	0.667	0.712		6.75	20
Styrene	1.086	1.190		9.58	20
Bromoform	0.297	0.299	0.1	0.67	20
Isopropylbenzene	4.162	4.462		7.21	20
1,1,2,2-Tetrachloroethane	1.203	1.369	0.3	13.8	20
1,3-Dichlorobenzene	1.592	1.757		10.36	20
1,4-Dichlorobenzene	1.580	1.705		7.91	20
1,2-Dichlorobenzene	1.546	1.663		7.57	20
1,2-Dibromo-3-Chloropropane	0.232	0.255		9.91	20
1,2,4-Trichlorobenzene	0.686	0.816		18.95	20
1,2,3-Trichlorobenzene	0.650	0.781		20.15	20
1,2-Dichloroethane-d4	0.659	0.667		1.21	20
Dibromofluoromethane	0.291	0.298		2.4	20
Toluene-d8	1.164	1.197		2.84	20
4-Bromofluorobenzene	0.439	0.466		6.15	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SHIPPING DOCUMENTS

CHEMTECH Page 1 of 5

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. M4337
COC Number 2033393

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: EA Engineering
ADDRESS: 269 W. Jefferson St.
CITY Syracuse STATE: NY ZIP: 13202
ATTENTION: Megan Miller
PHONE: 716 684 2618 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: National Headset Printing
PROJECT NO.: LOCATION: Babylon, NY
PROJECT MANAGER:
e-mail: mmiller@eaest.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other _____
- ☒ EDD FORMAT NYSDEC

ANALYSIS

1 VOC 8260C
2
3
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A,E	1	2	3	4	5	6	7	8	9	COMMENTS
1.	DDC-5-PS	GW		X	10/19/21	1443	32	X										
2.	DDC-5-PD					1445		X										
3.	DDC-6-PS					1532		X										
4.	MW-3D (offsite)					1533		X										
5.	DDC-6-PD					1543		X										
6.	MW-3S (offsite)					1623		X										
7.	DDC-7-PS				10/20/21	0823		X										
8.	DDC-7-PD					0825		X										
9.	MW-2S (offsite)					0926		X										
10.	DDC-10-PD	↓		↓	↓	0929	↓	↓										

Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/22/21 1000	1.
2. FedEx	10-25-21 0700	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.9-C °C
Comments: * Prefix 152140 - before all sample ID's on labels

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

CHEMTECH
CHAIN OF CUSTODY RECORD

Page 2 of 5

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. M4337
COC Number 2033394

6 6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:
ADDRESS: Same as
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER: Paige
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced
- ❑ US EPA CLP
- ❑ NYS ASP A
- ❑ NYS ASP B
- ❑ Other _____
- ❑ EDD FORMAT _____

ANALYSIS

VOC 8260C

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A,E									
1.	DDC-10-PS	GW		X	10/22/21	0936	3Z	X									
2.	MW-2D (offsite)					1002		X									
3.	DDC-8-PS					1038		X									
4.	DDC-8-PD					1038		X									
5.	DDC-9-PD					1130		X									
6.	DDC-9-PS					1135		X									
7.	MW-1S (offsite)					1239		X									
8.	MW-1D (offsite)					1300	9/6	X									MS/MSD
9.	DDC-2-PD					1357	3Z	X									
10.	DDC-2-PS					1401		X									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
1. RELINQUISHED BY SAMPLER:	10/22/21 1000	1.
2. RELINQUISHED BY SAMPLER: FedEx	10-25-21 0700	2.
3. RELINQUISHED BY SAMPLER:	DATE/TIME:	3. RECEIVED BY:

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 5.9°C °C
Comments:

Page ____ of ____

CLIENT: ❑ Hand Delivered ❑ Other _____
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-21-14

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : M4337 EAEN05
Client Name : EA Engineering Science &
Client Contact : Emily Cummings
Invoice Name : EA Engineering Science &
Invoice Contact : Emily Cummings

Order Date : 10/25/2021 9:09:00 AM
Project Name : NYSDEC - National Heatse
Receive DateTime : 10/25/2021 7:00:00 AM
Purchase Order :

Project Mgr : Samantha
Report Type : NYS ASP B
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff : 10/25/2021 11:44:05 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
M4337-01	DDC-5-PS	Water	10/19/2021	14:43	VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-02	DDC-5-PD	Water	10/19/2021	14:45	VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-03	DDC-6-PS	Water	10/19/2021	15:32	VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-04	MW-3D(OFFSITE)	Water	10/19/2021	15:33	VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-05	DDC-6-PD	Water	10/19/2021	15:43	VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-06	MW-3S(OFFSITE)	Water	10/19/2021	16:23	VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-07	DDC-7-PS	Water	10/20/2021	08:23	VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-08	DDC-7-PD	Water	10/20/2021	08:25	VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-09	MW-2S(OFFSITE)	Water	10/20/2021	09:26					

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : M4337 EAEN05
Client Name : EA Engineering Science &
Client Contact : Emily Cummings
Invoice Name : EA Engineering Science &
Invoice Contact : Emily Cummings

Order Date : 10/25/2021 9:09:00 AM
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Project Mgr : Samantha
Report Type : NYS ASP B
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff : 10/25/2021 11:44:05 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-10	DDC-10-PD	Water	10/20/2021	09:29					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-11	DDC-10-PS	Water	10/20/2021	09:36					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-12	MW-2D-(OFFSITE)	Water	10/20/2021	10:02					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-13	DDC-8-PS	Water	10/20/2021	10:38					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-14	DDC-8-PD	Water	10/20/2021	10:38					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-15	DDC-9-PD	Water	10/20/2021	11:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-16	DDC-9-PS	Water	10/20/2021	11:35					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-17	MW-1S(OFFSITE)	Water	10/20/2021	12:39					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : M4337 EAEN05
Client Name : EA Engineering Science &
Client Contact : Emily Cummings
Invoice Name : EA Engineering Science &
Invoice Contact : Emily Cummings

Order Date : 10/25/2021 9:09:00 AM
Project Name : NYSDEC - National Heatse
Receive DateTime : 10/25/2021 7:00:00 AM
Purchase Order :

Project Mgr : Samantha
Report Type : NYS ASP B
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff : 10/25/2021 11:44:05 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
M4337-18	MW-1D(OFFSITE)	Water	10/20/2021	13:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-19	M4337-18MS	Water	10/20/2021	13:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-20	M4337-18MSD	Water	10/20/2021	13:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-21	DDC-2-PD	Water	10/20/2021	13:57					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4337-22	DDC-2-PS	Water	10/20/2021	14:01					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By : SB
Date / Time : 10-25-21 10:00

Received By :
Date / Time : 10.25.21 10:00

Storage Area : VOA Refridgerator Room

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CHEMTECH

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : NYSDEC - NATIONAL HEATSET

EA ENGINEERING SCIENCE & TECHNOLOGY

269 W. Jefferson Street

Syracuse, NY - 13202

Phone No: 315-431-4610

ORDER ID : M4338

ATTENTION : Emily Cummings

Table Of Contents for M4338

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-3S(ONSITE)	M4338-01	8260-Low					
MW-5S	M4338-02	8260-Low					
MW-5D	M4338-03	8260-Low					
MW-3D(ONSITE)	M4338-04	8260-Low					
MW-6S	M4338-05	8260-Low					
MW-2D(ONSITE)	M4338-06	8260-Low					
MW-2S(ONSITE)	M4338-07	8260-Low					
MW-2A	M4338-08	8260-Low					
MW-2AD	M4338-09	8260-Low					
MW-15D	M4338-10	8260-Low					
MW-1S(ONSITE)	M4338-13	8260-Low					
MW-14D	M4338-14	8260-Low					
MW-1D(ONSITE)	M4338-15	8260-Low					
MW-15S	M4338-16	8260-Low					
MW-14S	M4338-17	8260-Low					
DDC-4-PD	M4338-18	8260-Low					
DDC-4-PS	M4338-19	8260-Low					
FD-01	M4338-20	8260-Low					
FD-02	M4338-21	8260-Low					
RB-10192021	M4338-22	8260-Low					
RB-10202021	M4338-23	8260-Low					
RB-10212021	M4338-24	8260-Low					
TB	M4338-25	8260-Low					

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
M4338-01	Water	10/20/21	10/25/21		10/27/21
M4338-02	Water	10/20/21	10/25/21		10/27/21
M4338-03	Water	10/20/21	10/25/21		10/27/21
M4338-04	Water	10/20/21	10/25/21		10/27/21
M4338-05	Water	10/20/21	10/25/21		10/27/21
M4338-06	Water	10/20/21	10/25/21		10/27/21
M4338-07	Water	10/20/21	10/25/21		10/29/21
M4338-08	Water	10/20/21	10/25/21		10/29/21
M4338-09	Water	10/20/21	10/25/21		10/27/21
M4338-10	Water	10/21/21	10/25/21		10/29/21
M4338-13	Water	10/21/21	10/25/21		10/27/21
M4338-14	Water	10/21/21	10/25/21		10/27/21
M4338-15	Water	10/21/21	10/25/21		10/29/21
M4338-16	Water	10/21/21	10/25/21		10/29/21
M4338-17	Water	10/21/21	10/25/21		10/29/21
M4338-18	Water	10/21/21	10/25/21		10/29/21
M4338-19	Water	10/21/21	10/25/21		10/29/21
M4338-20	Water	10/20/21	10/25/21		10/29/21
M4338-21	Water	10/20/21	10/25/21		10/29/21
M4338-22	Water	10/19/21	10/25/21		10/29/21
M4338-23	Water	10/20/21	10/25/21		10/29/21
M4338-24	Water	10/21/21	10/25/21		10/29/21
M4338-25	Water	10/07/21	10/25/21		10/29/21

*** Details For Test :** VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
M4338-01	Water	8260-Low	5030		
M4338-02	Water	8260-Low	5030		
M4338-03	Water	8260-Low	5030		
M4338-04	Water	8260-Low	5030		
M4338-05	Water	8260-Low	5030		
M4338-06	Water	8260-Low	5030		
M4338-07	Water	8260-Low	5030		
M4338-08	Water	8260-Low	5030		
M4338-09	Water	8260-Low	5030		
M4338-10	Water	8260-Low	5030		
M4338-11	Water	8260-Low	5030		
M4338-12	Water	8260-Low	5030		
M4338-13	Water	8260-Low	5030		
M4338-14	Water	8260-Low	5030		
M4338-15	Water	8260-Low	5030		
M4338-16	Water	8260-Low	5030		
M4338-17	Water	8260-Low	5030		
M4338-18	Water	8260-Low	5030		
M4338-19	Water	8260-Low	5030		
M4338-20	Water	8260-Low	5030		
M4338-21	Water	8260-Low	5030		
M4338-22	Water	8260-Low	5030		
M4338-23	Water	8260-Low	5030		
M4338-24	Water	8260-Low	5030		
M4338-25	Water	8260-Low	5030		

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : M4338

Project ID : NYSDEC - National Heatset

Client : EA Engineering Science & Technology

Lab Sample Number	Client Sample Number
M4338-01	MW-3S(ONSITE)
M4338-02	MW-5S
M4338-03	MW-5D
M4338-04	MW-3D(ONSITE)
M4338-05	MW-6S
M4338-06	MW-2D(ONSITE)
M4338-07	MW-2S(ONSITE)
M4338-08	MW-2A
M4338-09	MW-2AD
M4338-10	MW-15D
M4338-11	MW-15DMS
M4338-12	MW-15DMSD
M4338-13	MW-1S(ONSITE)
M4338-14	MW-14D
M4338-15	MW-1D(ONSITE)
M4338-16	MW-15S
M4338-17	MW-14S
M4338-18	DDC-4-PD
M4338-19	DDC-4-PS
M4338-20	FD-01
M4338-21	FD-02
M4338-22	RB-10192021
M4338-23	RB-10202021
M4338-24	RB-10212021
M4338-25	TB

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED
Date: 11/3/2021
By Nimisha Pandya, QA/QC Supervisor at 2:30 pm, Nov 08, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

EA Engineering Science & Technology
Project Name: NYSDEC - National Heatset
Project # N/A
Chemtech Project # M4338
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
25 Water samples were received on 10/25/2021.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis except for TB as received out of hold.

The Surrogate recoveries met the acceptable criteria except for MW-15DMS [Toluene-d8 - 91%] and MW-15DMSD [Toluene-d8 - 90%], confirm the failure with each other therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {M4338-11MS} with File ID: VN069286.D recoveries met the requirements for all compounds except for Chloroform[120%] due to matrix interference.

The MSD {M4338-12MSD} with File ID: VN069287.D recoveries met the acceptable requirements except for t-1,3-Dichloropropene[77%] due to matrix interference.

The RPD met criteria .

The Blank Spike for {VN1027WBS05} with File ID: VN069213.D met requirements for all samples except for Chloroethane[114%] .

The Blank Spike for {VN1028WBS02} with File ID: VN069267.D met requirements for all samples except for Trichlorofluoromethane[130%] .

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The Blank Spike for {VN1029WBS01} with File ID: VN069293.D met requirements for all samples except for Trichlorofluoromethane[122%] .

All above mention compounds are failing high in blank spike but no positive hit in any associate samples, therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration for method (82N101221W.M) for Dichlorodifluoromethane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene these compounds are passing on Linear Regression.

The %RSD is greater than 15/20% in the Initial Calibration for method (82N102821W.M) for Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, 2-Butanone, 1,1,1-Trichloroethane, Carbon Tetrachloride, Bromodichloromethane, 4-Methyl-2-Pentanone, t-1,3-Dichloropropene , cis-1,3-Dichloropropene, 2-Hexanone , Dibromochloromethane , 1,2-Dibromoethane, Styrene, Bromoform, 1,4-Dichlorobenzene, 1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene these compounds are passing on Linear Regression while Bromomethane passing with NON-DOD criteria.

The Continuous Calibration File ID VN069210.D met the requirements except for Carbon Disulfide is failing marginally low and 2-Hexanone, Acetone, Bromomethane are failing high and acetone has hit but below CRQL therefore no corrective action taken.

The Continuous Calibration File ID VN069265.D met the requirements except for Trichlorofluoromethane is failing high but no positive hit in any associate samples therefore no corrective action taken.

The Tuning criteria met requirements.

Sample MW-2D(ONSITE) was diluted due to high concentration.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15/20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15/20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:30 pm, Nov 08, 2021

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: M4338

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: Aparana Soni **Date:** 11/08/2021

2nd Level QA Review Signature: N. N. Pandya **Date:**

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:30 pm, Nov 08, 2021

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	M4338	**OrderDate:**	10/25/2021 9:11:00 AM
Client:	EA Engineering Science & Technology	**Project:**	NYSDEC - National Heatset
Contact:	Emily Cummings	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M4338-01	**MW-3S(ONSITE)**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/27/21	
M4338-02	**MW-5S**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/27/21	
M4338-03	**MW-5D**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/27/21	
M4338-04	**MW-3D(ONSITE)**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/27/21	
M4338-05	**MW-6S**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/27/21	
M4338-06	**MW-2D(ONSITE)**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/27/21	
M4338-06DL	**MW-2D(ONSITE)DL**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/29/21	
M4338-07	**MW-2S(ONSITE)**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/29/21	
M4338-08	**MW-2A**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/29/21	
M4338-09	**MW-2AD**	**Water**			**10/20/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/27/21	
M4338-10	**MW-15D**	**Water**			**10/21/21**			**10/25/21**
			VOC-TCLVOA-10	8260-Low			10/29/21	
M4338-13	**MW-1S(ONSITE)**	**Water**			**10/21/21**			**10/25/21**

LAB CHRONICLE

			VOC-TCLVOA-10	8260-Low		10/27/21	
M4338-14	**MW-14D**	**Water**			**10/21/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/27/21	
M4338-15	**MW-1D(ONSITE)**	**Water**			**10/21/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-16	**MW-15S**	**Water**			**10/21/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-17	**MW-14S**	**Water**			**10/21/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-18	**DDC-4-PD**	**Water**			**10/21/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-19	**DDC-4-PS**	**Water**			**10/21/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-20	**FD-01**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-21	**FD-02**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-22	**RB-10192021**	**Water**			**10/19/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-23	**RB-10202021**	**Water**			**10/20/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-24	**RB-10212021**	**Water**			**10/21/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	
M4338-25	**TB**	**Water**			**10/07/21**		**10/25/21**
			VOC-TCLVOA-10	8260-Low		10/29/21	

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Hit Summary Sheet
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-3S(ONSITE)**								
M4338-01	MW-3S(ONSITE)	Water	Tetrachloroethene		0.52	J	0.17	1.00	ug/L
			Total Voc :		0.52				
			Total Concentration:		0.52				
Client ID:	**MW-5S**								
M4338-02	MW-5S	Water	Trichloroethene		0.35	J	0.17	1.00	ug/L
			Total Voc :		0.35				
			Total Concentration:		0.35				
Client ID:	**MW-5D**								
M4338-03	MW-5D	Water	Acetone		2.50	J	1.60	5.00	ug/L
M4338-03	MW-5D	Water	Trichloroethene		2.30		0.17	1.00	ug/L
M4338-03	MW-5D	Water	Tetrachloroethene		110.00		0.17	1.00	ug/L
			Total Voc :		114.8				
M4338-03	MW-5D	Water	Hexachloroethane	*	1.30	J	0.34	1.00	ug/L
M4338-03	MW-5D	Water	sec-Butylbenzene	*	0.58	J	0.23	1.00	ug/L
			Total Tics :		1.88				
			Total Concentration:		116.68				
Client ID:	**MW-3D(ONSITE)**								
M4338-04	MW-3D(ONSITE)	Water	Trichloroethene		0.71	J	0.17	1.00	ug/L
M4338-04	MW-3D(ONSITE)	Water	Tetrachloroethene		1.80		0.17	1.00	ug/L
			Total Voc :		2.51				
			Total Concentration:		2.51				
Client ID:	**MW-6S**								
M4338-05	MW-6S	Water	Acetone		3.20	J	1.60	5.00	ug/L
M4338-05	MW-6S	Water	Tetrachloroethene		0.50	J	0.17	1.00	ug/L
			Total Voc :		3.7				
			Total Concentration:		3.7				
Client ID:	**MW-2D(ONSITE)**								
M4338-06	MW-2D(ONSITE)	Water	Carbon Tetrachloride		13.10		0.27	1.00	ug/L
M4338-06	MW-2D(ONSITE)	Water	Chloroform		6.10		0.27	1.00	ug/L
M4338-06	MW-2D(ONSITE)	Water	Trichloroethene		3.00		0.17	1.00	ug/L
M4338-06	MW-2D(ONSITE)	Water	Tetrachloroethene		3,600.00	E	0.17	1.00	ug/L
			Total Voc :		3622.2				
M4338-06	MW-2D(ONSITE)	Water	Hexachloroethane	*	77.70	J	0.34	1.00	ug/L
			Total Tics :		77.7				
			Total Concentration:		3699.9				
Client ID:	**MW-2D(ONSITE)DL**								
M4338-06DL	MW-2D(ONSITE)DL	Water	Tetrachloroethene		2,900.00	D	6.70	40.0	ug/L
			Total Voc :		2900				
			Total Concentration:		2900				
Client ID:	**MW-2S(ONSITE)**								

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Hit Summary Sheet
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
M4338-07	MW-2S(ONSITE)	Water	Acetone		1.70	J	1.60	5.00	ug/L
M4338-07	MW-2S(ONSITE)	Water	Tetrachloroethene		0.82	J	0.17	1.00	ug/L
			Total Voc :		2.52				
			Total Concentration:		2.52				
Client ID:	**MW-2A**								
M4338-08	MW-2A	Water	Acetone		1.70	J	1.60	5.00	ug/L
M4338-08	MW-2A	Water	Tetrachloroethene		0.53	J	0.17	1.00	ug/L
			Total Voc :		2.23				
			Total Concentration:		2.23				
Client ID:	**MW-2AD**								
M4338-09	MW-2AD	Water	cis-1,2-Dichloroethene		5.90		0.22	1.00	ug/L
M4338-09	MW-2AD	Water	Trichloroethene		4.40		0.17	1.00	ug/L
M4338-09	MW-2AD	Water	Tetrachloroethene		17.50		0.17	1.00	ug/L
			Total Voc :		27.8				
M4338-09	MW-2AD	Water	sec-Butylbenzene	*	1.00	J	0.23	1.00	ug/L
			Total Tics :		1				
			Total Concentration:		28.8				
Client ID:	**MW-15D**								
M4338-10	MW-15D	Water	Acetone		2.80	J	1.60	5.00	ug/L
M4338-10	MW-15D	Water	Chloroform		0.54	J	0.27	1.00	ug/L
M4338-10	MW-15D	Water	Tetrachloroethene		3.50		0.17	1.00	ug/L
			Total Voc :		6.84				
			Total Concentration:		6.84				
Client ID:	**MW-1S(ONSITE)**								
M4338-13	MW-1S(ONSITE)	Water	Tetrachloroethene		1.40		0.17	1.00	ug/L
			Total Voc :		1.4				
			Total Concentration:		1.4				
Client ID:	**MW-14D**								
M4338-14	MW-14D	Water	Acetone		2.50	J	1.60	5.00	ug/L
M4338-14	MW-14D	Water	Trichloroethene		0.51	J	0.17	1.00	ug/L
M4338-14	MW-14D	Water	Tetrachloroethene		0.96	J	0.17	1.00	ug/L
			Total Voc :		3.97				
			Total Concentration:		3.97				
Client ID:	**MW-1D(ONSITE)**								
M4338-15	MW-1D(ONSITE)	Water	Acetone		1.90	J	1.60	5.00	ug/L
M4338-15	MW-1D(ONSITE)	Water	Trichloroethene		0.70	J	0.17	1.00	ug/L
M4338-15	MW-1D(ONSITE)	Water	Tetrachloroethene		1.10		0.17	1.00	ug/L
			Total Voc :		3.7				
			Total Concentration:		3.7				
Client ID:	**MW-15S**								
M4338-16	MW-15S	Water	Acetone		2.80	J	1.60	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
M4338-16	MW-15S	Water	Chloroform		1.10		0.27	1.00	ug/L
M4338-16	MW-15S	Water	Tetrachloroethene		12.10		0.17	1.00	ug/L
			Total Voc :		16				
			Total Concentration:		16				
Client ID:	**MW-14S**								
M4338-17	MW-14S	Water	Acetone		2.30	J	1.60	5.00	ug/L
M4338-17	MW-14S	Water	Chloroform		0.50	J	0.27	1.00	ug/L
M4338-17	MW-14S	Water	Trichloroethene		0.30	J	0.17	1.00	ug/L
M4338-17	MW-14S	Water	Tetrachloroethene		68.40		0.17	1.00	ug/L
			Total Voc :		71.5				
M4338-17	MW-14S	Water	Hexachloroethane	*	3.30	J	0.34	1.00	ug/L
			Total Tics :		3.3				
			Total Concentration:		74.8				
Client ID:	**DDC-4-PD**								
M4338-18	DDC-4-PD	Water	Tetrachloroethene		0.64	J	0.17	1.00	ug/L
M4338-18	DDC-4-PD	Water	1,2,4-Trichlorobenzene		3.30		0.30	1.00	ug/L
			Total Voc :		3.94				
			Total Concentration:		3.94				
Client ID:	**DDC-4-PS**								
M4338-19	DDC-4-PS	Water	Tetrachloroethene		6.20		0.17	1.00	ug/L
			Total Voc :		6.2				
M4338-19	DDC-4-PS	Water	Hexachloroethane	*	3.30	J	0.34	1.00	ug/L
			Total Tics :		3.3				
			Total Concentration:		9.5				
Client ID:	**FD-02**								
M4338-21	FD-02	Water	Acetone		2.30	J	1.60	5.00	ug/L
M4338-21	FD-02	Water	Tetrachloroethene		0.46	J	0.17	1.00	ug/L
			Total Voc :		2.76				
			Total Concentration:		2.76				
Client ID:	**RB-10192021**								
M4338-22	RB-10192021	Water	Acetone		180.00		1.60	5.00	ug/L
M4338-22	RB-10192021	Water	2-Butanone		4.90	J	0.90	5.00	ug/L
M4338-22	RB-10192021	Water	Benzene		0.35	J	0.18	1.00	ug/L
M4338-22	RB-10192021	Water	Toluene		5.20		0.22	1.00	ug/L
M4338-22	RB-10192021	Water	Ethyl Benzene		0.35	J	0.18	1.00	ug/L
M4338-22	RB-10192021	Water	m/p-Xylenes		1.80	J	0.32	2.00	ug/L
M4338-22	RB-10192021	Water	o-Xylene		0.92	J	0.19	1.00	ug/L
			Total Voc :		193.52				
M4338-22	RB-10192021	Water	Ethanol	*	7.00	J	0	0	ug/L
M4338-22	RB-10192021	Water	Tert butyl alcohol	*	31.10	J	9.40	25.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
M4338-22	RB-10192021	Water	Isopropyl Alcohol	*	300.00	J	0	1.00	ug/L
M4338-22	RB-10192021	Water	1,2,4-Trimethylbenzene	*	0.54	J	0.20	1.00	ug/L
			Total Tics :		338.64				
			Total Concentration:		532.16				
Client ID:	**RB-10202021**								
M4338-23	RB-10202021	Water	Acetone		190.00		1.60	5.00	ug/L
M4338-23	RB-10202021	Water	2-Butanone		5.10		0.90	5.00	ug/L
M4338-23	RB-10202021	Water	Benzene		0.27	J	0.18	1.00	ug/L
M4338-23	RB-10202021	Water	Toluene		4.20		0.22	1.00	ug/L
M4338-23	RB-10202021	Water	Ethyl Benzene		0.31	J	0.18	1.00	ug/L
M4338-23	RB-10202021	Water	m/p-Xylenes		1.60	J	0.32	2.00	ug/L
M4338-23	RB-10202021	Water	o-Xylene		0.86	J	0.19	1.00	ug/L
			Total Voc :		202.34				
M4338-23	RB-10202021	Water	Ethanol	*	7.50	J	0	0	ug/L
M4338-23	RB-10202021	Water	Tert butyl alcohol	*	31.80	J	9.40	25.0	ug/L
M4338-23	RB-10202021	Water	Isopropyl Alcohol	*	310.00	J	0	1.00	ug/L
M4338-23	RB-10202021	Water	1,2,4-Trimethylbenzene	*	0.51	J	0.20	1.00	ug/L
			Total Tics :		349.81				
			Total Concentration:		552.15				
Client ID:	**RB-10212021**								
M4338-24	RB-10212021	Water	Acetone		63.60		1.60	5.00	ug/L
M4338-24	RB-10212021	Water	Toluene		0.77	J	0.22	1.00	ug/L
			Total Voc :		64.37				
M4338-24	RB-10212021	Water	Isopropyl Alcohol	*	70.20	J	0	1.00	ug/L
			Total Tics :		70.2				
			Total Concentration:		134.57				
Client ID:	**TB**								
M4338-25	TB	Water	Acetone		2.20	J	1.60	5.00	ug/L
			Total Voc :		2.2				
			Total Concentration:		2.2				

SAMPLE DATA

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069220.D	1		10/27/21 15:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069220.D	1		10/27/21 15:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.52	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		78 - 117	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	328000	8.088			
540-36-3	1,4-Difluorobenzene	577000	8.971			
3114-55-4	Chlorobenzene-d5	553000	11.749			
3855-82-1	1,4-Dichlorobenzene-d4	195000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069220.D	1		10/27/21 15:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-5S	SDG No.:	M4338
Lab Sample ID:	M4338-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069221.D	1		10/27/21 16:22	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.35	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-5S	SDG No.:	M4338
Lab Sample ID:	M4338-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069221.D	1		10/27/21 16:22	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		83 - 123	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	335000	8.088			
540-36-3	1,4-Difluorobenzene	583000	8.971			
3114-55-4	Chlorobenzene-d5	563000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	202000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-5S	SDG No.:	M4338
Lab Sample ID:	M4338-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069221.D	1		10/27/21 16:22	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-5D	SDG No.:	M4338
Lab Sample ID:	M4338-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069222.D	1		10/27/21 16:47	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.50	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	2.30		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-5D	SDG No.:	M4338
Lab Sample ID:	M4338-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069222.D	1		10/27/21 16:47	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	110		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.8		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	342000	8.088			
540-36-3	1,4-Difluorobenzene	599000	8.971			
3114-55-4	Chlorobenzene-d5	582000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.677			
TENTATIVE IDENTIFIED COMPOUNDS						
135-98-8	sec-Butylbenzene	0.58	J		13.5	ug/L
67-72-1	Hexachloroethane	1.30	J		14.2	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-5D	SDG No.:	M4338
Lab Sample ID:	M4338-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069222.D	1		10/27/21 16:47	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069223.D	1		10/27/21 17:12	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.71	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069223.D	1		10/27/21 17:12	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.80		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.4		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	360000	8.088			
540-36-3	1,4-Difluorobenzene	630000	8.971			
3114-55-4	Chlorobenzene-d5	599000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	218000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-3D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069223.D	1		10/27/21 17:12	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-6S	SDG No.:	M4338
Lab Sample ID:	M4338-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069224.D	1		10/27/21 17:37	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	3.20	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-6S	SDG No.:	M4338
Lab Sample ID:	M4338-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069224.D	1		10/27/21 17:37	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	54.1		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	321000	8.088			
540-36-3	1,4-Difluorobenzene	565000	8.971			
3114-55-4	Chlorobenzene-d5	556000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	197000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-6S	SDG No.:	M4338
Lab Sample ID:	M4338-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069224.D	1		10/27/21 17:37	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069225.D	1		10/27/21 18:03	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	13.1		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	6.10		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	3.00		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069225.D	1		10/27/21 18:03	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	3600	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		78 - 117	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	323000	8.088			
540-36-3	1,4-Difluorobenzene	572000	8.971			
3114-55-4	Chlorobenzene-d5	544000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	212000	13.678			
TENTATIVE IDENTIFIED COMPOUNDS						
67-72-1	Hexachloroethane	77.7	J		14.2	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069225.D	1		10/27/21 18:03	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D(ONSITE)DL	SDG No.:	M4338
Lab Sample ID:	M4338-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069295.D	40		10/29/21 12:38	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	40.0	UD	9.20	40.0	ug/L
74-87-3	Chloromethane	40.0	UD	8.10	40.0	ug/L
75-01-4	Vinyl Chloride	40.0	UD	7.70	40.0	ug/L
74-83-9	Bromomethane	200	UD	34.6	200	ug/L
75-00-3	Chloroethane	40.0	UD	14.1	40.0	ug/L
75-69-4	Trichlorofluoromethane	40.0	UDQ	10.0	40.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	40.0	UD	8.50	40.0	ug/L
75-35-4	1,1-Dichloroethene	40.0	UD	10.3	40.0	ug/L
67-64-1	Acetone	200	UD	64.4	200	ug/L
75-15-0	Carbon Disulfide	40.0	UD	10.1	40.0	ug/L
1634-04-4	Methyl tert-butyl Ether	40.0	UD	8.80	40.0	ug/L
79-20-9	Methyl Acetate	40.0	UD	18.8	40.0	ug/L
75-09-2	Methylene Chloride	40.0	UD	7.20	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	40.0	UD	7.60	40.0	ug/L
75-34-3	1,1-Dichloroethane	40.0	UD	8.30	40.0	ug/L
110-82-7	Cyclohexane	200	UD	52.2	200	ug/L
78-93-3	2-Butanone	200	UD	35.8	200	ug/L
56-23-5	Carbon Tetrachloride	40.0	UD	10.9	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	40.0	UD	8.90	40.0	ug/L
74-97-5	Bromochloromethane	40.0	UD	10.3	40.0	ug/L
67-66-3	Chloroform	40.0	UD	10.7	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	40.0	UD	7.80	40.0	ug/L
108-87-2	Methylcyclohexane	40.0	UD	5.70	40.0	ug/L
71-43-2	Benzene	40.0	UD	7.20	40.0	ug/L
107-06-2	1,2-Dichloroethane	40.0	UD	10.0	40.0	ug/L
79-01-6	Trichloroethene	40.0	UD	7.00	40.0	ug/L
78-87-5	1,2-Dichloropropane	40.0	UD	6.80	40.0	ug/L
75-27-4	Bromodichloromethane	40.0	UD	7.90	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	200	UD	34.7	200	ug/L
108-88-3	Toluene	40.0	UD	8.60	40.0	ug/L
10061-02-6	t-1,3-Dichloropropene	40.0	UD	7.10	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	40.0	UD	6.60	40.0	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D(ONSITE)DL	SDG No.:	M4338
Lab Sample ID:	M4338-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069295.D	40		10/29/21 12:38	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	40.0	UD	9.60	40.0	ug/L
591-78-6	2-Hexanone	200	UD	36.8	200	ug/L
124-48-1	Dibromochloromethane	40.0	UD	7.10	40.0	ug/L
106-93-4	1,2-Dibromoethane	40.0	UD	6.50	40.0	ug/L
127-18-4	Tetrachloroethene	2900	D	6.70	40.0	ug/L
108-90-7	Chlorobenzene	40.0	UD	6.60	40.0	ug/L
100-41-4	Ethyl Benzene	40.0	UD	7.30	40.0	ug/L
179601-23-1	m/p-Xylenes	80.0	UD	12.9	80.0	ug/L
95-47-6	o-Xylene	40.0	UD	7.50	40.0	ug/L
100-42-5	Styrene	40.0	UD	6.50	40.0	ug/L
75-25-2	Bromoform	40.0	UD	7.60	40.0	ug/L
98-82-8	Isopropylbenzene	40.0	UD	9.20	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	40.0	UD	11.7	40.0	ug/L
541-73-1	1,3-Dichlorobenzene	40.0	UD	7.80	40.0	ug/L
106-46-7	1,4-Dichlorobenzene	40.0	UD	7.90	40.0	ug/L
95-50-1	1,2-Dichlorobenzene	40.0	UD	7.50	40.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	40.0	UD	19.0	40.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	40.0	UD	12.1	40.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	40.0	UD	13.9	40.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	49.9		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		83 - 123	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	305000	8.088			
540-36-3	1,4-Difluorobenzene	534000	8.968			
3114-55-4	Chlorobenzene-d5	521000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	206000	13.678			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2D(ONSITE)DL	SDG No.:	M4338
Lab Sample ID:	M4338-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069295.D	40		10/29/21 12:38	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069296.D	1		10/29/21 13:04	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.70	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069296.D	1		10/29/21 13:04	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.82	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		78 - 117	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.4		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		83 - 123	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	318000	8.088			
540-36-3	1,4-Difluorobenzene	557000	8.971			
3114-55-4	Chlorobenzene-d5	544000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	205000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069296.D	1		10/29/21 13:04	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2A	SDG No.:	M4338
Lab Sample ID:	M4338-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069297.D	1		10/29/21 13:30	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.70	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2A	SDG No.:	M4338
Lab Sample ID:	M4338-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069297.D	1		10/29/21 13:30	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.53	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.3		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		83 - 123	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	303000	8.088			
540-36-3	1,4-Difluorobenzene	535000	8.968			
3114-55-4	Chlorobenzene-d5	525000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	196000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2A	SDG No.:	M4338
Lab Sample ID:	M4338-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069297.D	1		10/29/21 13:30	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2AD	SDG No.:	M4338
Lab Sample ID:	M4338-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069228.D	1		10/27/21 19:18	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.90		0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	4.40		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2AD	SDG No.:	M4338
Lab Sample ID:	M4338-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069228.D	1		10/27/21 19:18	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	17.5		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.4		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	337000	8.088			
540-36-3	1,4-Difluorobenzene	591000	8.971			
3114-55-4	Chlorobenzene-d5	565000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	209000	13.677			
TENTATIVE IDENTIFIED COMPOUNDS						
135-98-8	sec-Butylbenzene	1.00	J		13.5	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-2AD	SDG No.:	M4338
Lab Sample ID:	M4338-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069228.D	1		10/27/21 19:18	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15D	SDG No.:	M4338
Lab Sample ID:	M4338-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069275.D	1		10/29/21 03:01	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.80	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.54	J	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15D	SDG No.:	M4338
Lab Sample ID:	M4338-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069275.D	1		10/29/21 03:01	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	3.50		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.0		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		83 - 123	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	8.088			
540-36-3	1,4-Difluorobenzene	539000	8.971			
3114-55-4	Chlorobenzene-d5	521000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	195000	13.677			

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15D	SDG No.:	M4338
Lab Sample ID:	M4338-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069275.D	1		10/29/21 03:01	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069229.D	1		10/27/21 19:43	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069229.D	1		10/27/21 19:43	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.40		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	54.5		92 - 112	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	319000	8.088			
540-36-3	1,4-Difluorobenzene	555000	8.971			
3114-55-4	Chlorobenzene-d5	547000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	202000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1S(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069229.D	1		10/27/21 19:43	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-14D	SDG No.:	M4338
Lab Sample ID:	M4338-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069230.D	1		10/27/21 20:08	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	UQ	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.50	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.51	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-14D	SDG No.:	M4338
Lab Sample ID:	M4338-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069230.D	1		10/27/21 20:08	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.96	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		83 - 123	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	337000	8.088			
540-36-3	1,4-Difluorobenzene	585000	8.971			
3114-55-4	Chlorobenzene-d5	555000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	191000	13.677			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-14D	SDG No.:	M4338
Lab Sample ID:	M4338-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069230.D	1		10/27/21 20:08	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069298.D	1		10/29/21 13:55	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	1.90	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.70	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069298.D	1		10/29/21 13:55	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.10		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	49.9		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		83 - 123	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	312000	8.088			
540-36-3	1,4-Difluorobenzene	552000	8.968			
3114-55-4	Chlorobenzene-d5	532000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-1D(ONSITE)	SDG No.:	M4338
Lab Sample ID:	M4338-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069298.D	1		10/29/21 13:55	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15S	SDG No.:	M4338
Lab Sample ID:	M4338-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069300.D	1		10/29/21 14:47	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.80	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.10		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15S	SDG No.:	M4338
Lab Sample ID:	M4338-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069300.D	1		10/29/21 14:47	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	12.1		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.0		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		83 - 123	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	293000	8.088			
540-36-3	1,4-Difluorobenzene	518000	8.971			
3114-55-4	Chlorobenzene-d5	504000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	187000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15S	SDG No.:	M4338
Lab Sample ID:	M4338-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069300.D	1		10/29/21 14:47	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-14S	SDG No.:	M4338
Lab Sample ID:	M4338-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069301.D	1		10/29/21 15:13	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.30	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.50	J	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.30	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-14S	SDG No.:	M4338
Lab Sample ID:	M4338-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069301.D	1		10/29/21 15:13	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	68.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	50.2		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		83 - 123	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	293000	8.088			
540-36-3	1,4-Difluorobenzene	520000	8.971			
3114-55-4	Chlorobenzene-d5	506000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.678			
TENTATIVE IDENTIFIED COMPOUNDS						
67-72-1	Hexachloroethane	3.30	J		14.2	ug/L

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-14S	SDG No.:	M4338
Lab Sample ID:	M4338-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069301.D	1		10/29/21 15:13	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-4-PD	SDG No.:	M4338
Lab Sample ID:	M4338-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069269.D	1		10/29/21 00:27	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-4-PD	SDG No.:	M4338
Lab Sample ID:	M4338-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069269.D	1		10/29/21 00:27	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.64	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	3.30		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.1		78 - 117	92%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	49.9		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		83 - 123	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	298000	8.088			
540-36-3	1,4-Difluorobenzene	522000	8.968			
3114-55-4	Chlorobenzene-d5	496000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.678			

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-4-PD	SDG No.:	M4338
Lab Sample ID:	M4338-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069269.D	1		10/29/21 00:27	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-4-PS	SDG No.:	M4338
Lab Sample ID:	M4338-19	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069270.D	1		10/29/21 00:53	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-4-PS	SDG No.:	M4338
Lab Sample ID:	M4338-19	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069270.D	1		10/29/21 00:53	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	6.20		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		78 - 117	93%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	49.7		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		83 - 123	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	8.088			
540-36-3	1,4-Difluorobenzene	556000	8.971			
3114-55-4	Chlorobenzene-d5	538000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.678			
TENTATIVE IDENTIFIED COMPOUNDS						
67-72-1	Hexachloroethane	3.30	J		14.2	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	DDC-4-PS	SDG No.:	M4338
Lab Sample ID:	M4338-19	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069270.D	1		10/29/21 00:53	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	FD-01	SDG No.:	M4338
Lab Sample ID:	M4338-20	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069271.D	1		10/29/21 01:19	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	FD-01	SDG No.:	M4338
Lab Sample ID:	M4338-20	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069271.D	1		10/29/21 01:19	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		78 - 117	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.0		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		83 - 123	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	307000	8.088			
540-36-3	1,4-Difluorobenzene	541000	8.971			
3114-55-4	Chlorobenzene-d5	525000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.678			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	FD-01	SDG No.:	M4338
Lab Sample ID:	M4338-20	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069271.D	1		10/29/21 01:19	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	FD-02	SDG No.:	M4338
Lab Sample ID:	M4338-21	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069272.D	1		10/29/21 01:44	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.30	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	FD-02	SDG No.:	M4338
Lab Sample ID:	M4338-21	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069272.D	1		10/29/21 01:44	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.46	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.8		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	50.3		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		83 - 123	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	307000	8.088			
540-36-3	1,4-Difluorobenzene	539000	8.971			
3114-55-4	Chlorobenzene-d5	524000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	FD-02	SDG No.:	M4338
Lab Sample ID:	M4338-21	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069272.D	1		10/29/21 01:44	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10192021	SDG No.:	M4338
Lab Sample ID:	M4338-22	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069273.D	1		10/29/21 02:10	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	180		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	4.90	J	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	0.35	J	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	5.20		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10192021	SDG No.:	M4338
Lab Sample ID:	M4338-22	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069273.D	1		10/29/21 02:10	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	0.35	J	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	1.80	J	0.32	2.00	ug/L
95-47-6	o-Xylene	0.92	J	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		78 - 117	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	49.8		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		83 - 123	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	8.088			
540-36-3	1,4-Difluorobenzene	533000	8.971			
3114-55-4	Chlorobenzene-d5	519000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	193000	13.677			
TENTATIVE IDENTIFIED COMPOUNDS						
000064-17-5	Ethanol	7.00	J		3.69	ug/L
67-63-0	Isopropyl Alcohol	300	J		4.60	ug/L
75-65-0	Tert butyl alcohol	31.1	J		5.39	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/19/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10192021	SDG No.:	M4338
Lab Sample ID:	M4338-22	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069273.D	1		10/29/21 02:10	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	0.54	J		13.4	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10202021	SDG No.:	M4338
Lab Sample ID:	M4338-23	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069274.D	1		10/29/21 02:36	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	190		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.10		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	0.27	J	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	4.20		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10202021	SDG No.:	M4338
Lab Sample ID:	M4338-23	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069274.D	1		10/29/21 02:36	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	0.31	J	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	1.60	J	0.32	2.00	ug/L
95-47-6	o-Xylene	0.86	J	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		78 - 117	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.3		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		83 - 123	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	8.088			
540-36-3	1,4-Difluorobenzene	528000	8.971			
3114-55-4	Chlorobenzene-d5	514000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	196000	13.677			
TENTATIVE IDENTIFIED COMPOUNDS						
000064-17-5	Ethanol	7.50	J		3.69	ug/L
67-63-0	Isopropyl Alcohol	310	J		4.60	ug/L
75-65-0	Tert butyl alcohol	31.8	J		5.39	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/20/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10202021	SDG No.:	M4338
Lab Sample ID:	M4338-23	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069274.D	1		10/29/21 02:36	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	0.51	J		13.4	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10212021	SDG No.:	M4338
Lab Sample ID:	M4338-24	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069276.D	1		10/29/21 03:27	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	63.6		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	0.77	J	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10212021	SDG No.:	M4338
Lab Sample ID:	M4338-24	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069276.D	1		10/29/21 03:27	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	49.8		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		83 - 123	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	308000	8.088			
540-36-3	1,4-Difluorobenzene	543000	8.968			
3114-55-4	Chlorobenzene-d5	527000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.678			
TENTATIVE IDENTIFIED COMPOUNDS						
67-63-0	Isopropyl Alcohol	70.2	J		4.59	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	RB-10212021	SDG No.:	M4338
Lab Sample ID:	M4338-24	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069276.D	1		10/29/21 03:27	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/07/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	TB	SDG No.:	M4338
Lab Sample ID:	M4338-25	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069277.D	1		10/29/21 03:53	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	UQ	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.20	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/07/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	TB	SDG No.:	M4338
Lab Sample ID:	M4338-25	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069277.D	1		10/29/21 03:53	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	50.7		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	8.086			
540-36-3	1,4-Difluorobenzene	533000	8.971			
3114-55-4	Chlorobenzene-d5	528000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	198000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/07/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	TB	SDG No.:	M4338
Lab Sample ID:	M4338-25	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069277.D	1		10/29/21 03:53	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
M4338-01	MW-3S(ONSITE)	1,2-Dichloroethane-d4	50	50.6	101		78	117
		Dibromofluoromethane	50	50.0	100		75	124
		Toluene-d8	50	53.3	107		92	112
		4-Bromofluorobenzene	50	49.2	98		83	123
M4338-02	MW-5S	1,2-Dichloroethane-d4	50	49.7	99		78	117
		Dibromofluoromethane	50	50.4	101		75	124
		Toluene-d8	50	53.3	107		92	112
		4-Bromofluorobenzene	50	49.4	99		83	123
M4338-03	MW-5D	1,2-Dichloroethane-d4	50	49.9	100		78	117
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	53.9	108		92	112
		4-Bromofluorobenzene	50	51.3	103		83	123
M4338-04	MW-3D(ONSITE)	1,2-Dichloroethane-d4	50	49.9	100		78	117
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	53.4	107		92	112
		4-Bromofluorobenzene	50	49.8	100		83	123
M4338-05	MW-6S	1,2-Dichloroethane-d4	50	51.1	102		78	117
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	54.1	108		92	112
		4-Bromofluorobenzene	50	50.1	100		83	123
M4338-06	MW-2D(ONSITE)	1,2-Dichloroethane-d4	50	50.5	101		78	117
		Dibromofluoromethane	50	49.8	100		75	124
		Toluene-d8	50	53.3	107		92	112
		4-Bromofluorobenzene	50	51.5	103		83	123
M4338-06DL	MW-2D(ONSITE)DL	1,2-Dichloroethane-d4	50	47.0	94		78	117
		Dibromofluoromethane	50	46.7	93		75	124
		Toluene-d8	50	49.9	100		92	112
		4-Bromofluorobenzene	50	49.3	99		83	123
M4338-07	MW-2S(ONSITE)	1,2-Dichloroethane-d4	50	46.6	93		78	117
		Dibromofluoromethane	50	46.5	93		75	124
		Toluene-d8	50	50.4	101		92	112
		4-Bromofluorobenzene	50	48.0	96		83	123
M4338-08	MW-2A	1,2-Dichloroethane-d4	50	47.0	94		78	117
		Dibromofluoromethane	50	46.6	93		75	124
		Toluene-d8	50	50.3	101		92	112
		4-Bromofluorobenzene	50	48.6	97		83	123
M4338-09	MW-2AD	1,2-Dichloroethane-d4	50	50.1	100		78	117
		Dibromofluoromethane	50	50.2	100		75	124
		Toluene-d8	50	53.4	107		92	112
		4-Bromofluorobenzene	50	49.8	100		83	123
M4338-10	MW-15D	1,2-Dichloroethane-d4	50	47.2	94		78	117
		Dibromofluoromethane	50	46.4	93		75	124
		Toluene-d8	50	50.0	100		92	112
		4-Bromofluorobenzene	50	47.8	96		83	123
M4338-11MS	MW-15DMS	1,2-Dichloroethane-d4	50	53.1	106		78	117
		Dibromofluoromethane	50	48.1	96		75	124
		Toluene-d8	50	45.3	91	*	92	112
		4-Bromofluorobenzene	50	45.4	91		83	123
M4338-12MSD	MW-15DMSD	1,2-Dichloroethane-d4	50	49.2	98		78	117
		Dibromofluoromethane	50	45.8	92		75	124
		Toluene-d8	50	44.8	90	*	92	112
		4-Bromofluorobenzene	50	44.8	90		83	123

Surrogate Summary

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
M4338-13	MW-1S(ONSITE)	1,2-Dichloroethane-d4	50	50.8	102	78	117
		Dibromofluoromethane	50	50.8	102	75	124
		Toluene-d8	50	54.5	109	92	112
		4-Bromofluorobenzene	50	52.1	104	83	123
M4338-14	MW-14D	1,2-Dichloroethane-d4	50	50.2	100	78	117
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	53.5	107	92	112
		4-Bromofluorobenzene	50	48.1	96	83	123
M4338-15	MW-1D(ONSITE)	1,2-Dichloroethane-d4	50	47.0	94	78	117
		Dibromofluoromethane	50	46.5	93	75	124
		Toluene-d8	50	49.9	100	92	112
		4-Bromofluorobenzene	50	47.0	94	83	123
M4338-16	MW-15S	1,2-Dichloroethane-d4	50	47.2	94	78	117
		Dibromofluoromethane	50	46.5	93	75	124
		Toluene-d8	50	50.0	100	92	112
		4-Bromofluorobenzene	50	47.7	95	83	123
M4338-17	MW-14S	1,2-Dichloroethane-d4	50	47.2	94	78	117
		Dibromofluoromethane	50	46.0	92	75	124
		Toluene-d8	50	50.2	100	92	112
		4-Bromofluorobenzene	50	48.6	97	83	123
M4338-18	DDC-4-PD	1,2-Dichloroethane-d4	50	46.1	92	78	117
		Dibromofluoromethane	50	46.9	94	75	124
		Toluene-d8	50	49.9	100	92	112
		4-Bromofluorobenzene	50	46.3	93	83	123
M4338-19	DDC-4-PS	1,2-Dichloroethane-d4	50	46.5	93	78	117
		Dibromofluoromethane	50	45.7	91	75	124
		Toluene-d8	50	49.7	99	92	112
		4-Bromofluorobenzene	50	47.0	94	83	123
M4338-20	FD-01	1,2-Dichloroethane-d4	50	46.4	93	78	117
		Dibromofluoromethane	50	46.6	93	75	124
		Toluene-d8	50	50.0	100	92	112
		4-Bromofluorobenzene	50	47.4	95	83	123
M4338-21	FD-02	1,2-Dichloroethane-d4	50	46.8	94	78	117
		Dibromofluoromethane	50	47.2	94	75	124
		Toluene-d8	50	50.3	101	92	112
		4-Bromofluorobenzene	50	48.7	97	83	123
M4338-22	RB-10192021	1,2-Dichloroethane-d4	50	46.6	93	78	117
		Dibromofluoromethane	50	46.6	93	75	124
		Toluene-d8	50	49.8	100	92	112
		4-Bromofluorobenzene	50	48.3	97	83	123
M4338-23	RB-10202021	1,2-Dichloroethane-d4	50	46.7	93	78	117
		Dibromofluoromethane	50	46.4	93	75	124
		Toluene-d8	50	50.3	101	92	112
		4-Bromofluorobenzene	50	48.2	96	83	123
M4338-24	RB-10212021	1,2-Dichloroethane-d4	50	47.2	94	78	117
		Dibromofluoromethane	50	46.8	94	75	124
		Toluene-d8	50	49.9	100	92	112
		4-Bromofluorobenzene	50	48.2	96	83	123
M4338-25	TB	1,2-Dichloroethane-d4	50	47.1	94	78	117
		Dibromofluoromethane	50	47.0	94	75	124
		Toluene-d8	50	50.7	101	92	112
		4-Bromofluorobenzene	50	49.0	98	83	123

Surrogate Summary

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1027WBL03	VN1027WBL03	1,2-Dichloroethane-d4	50	50.4	101	78	117
		Dibromofluoromethane	50	50.7	101	75	124
		Toluene-d8	50	54.1	108	92	112
		4-Bromofluorobenzene	50	50.2	100	83	123
VN1027WBS05	VN1027WBS05	1,2-Dichloroethane-d4	50	53.2	106	78	117
		Dibromofluoromethane	50	54.1	108	75	124
		Toluene-d8	50	54.1	108	92	112
		4-Bromofluorobenzene	50	51.8	104	83	123
VN1028WBL02	VN1028WBL02	1,2-Dichloroethane-d4	50	46.3	93	78	117
		Dibromofluoromethane	50	47.1	94	75	124
		Toluene-d8	50	50.0	100	92	112
		4-Bromofluorobenzene	50	48.3	97	83	123
VN1028WBS02	VN1028WBS02	1,2-Dichloroethane-d4	50	51.0	102	78	117
		Dibromofluoromethane	50	49.8	100	75	124
		Toluene-d8	50	49.7	99	92	112
		4-Bromofluorobenzene	50	45.9	92	83	123
VN1029WBL01	VN1029WBL01	1,2-Dichloroethane-d4	50	47.0	94	78	117
		Dibromofluoromethane	50	46.6	93	75	124
		Toluene-d8	50	50.8	101	92	112
		4-Bromofluorobenzene	50	49.0	98	83	123
VN1029WBS01	VN1029WBS01	1,2-Dichloroethane-d4	50	50.8	102	78	117
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	51.2	102	92	112
		4-Bromofluorobenzene	50	47.7	95	83	123

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : M4338-11MS		**Client Sample ID : MW-15DMS**						**Datafile :**	VN069286.D		
Dichlorodifluoromethane	50	0	40.8	ug/L	82				73	120	
Chloromethane	50	0	50.7	ug/L	101				58	133	
Vinyl chloride	50	0	48.3	ug/L	97				69	125	
Bromomethane	50	0	55.8	ug/L	112				45	135	
Chloroethane	50	0	56.1	ug/L	112				77	119	
Trichlorofluoromethane	50	0	60.6	ug/L	121				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	45.2	ug/L	90				75	117	
1,1-Dichloroethene	50	0	52.8	ug/L	106				77	118	
Acetone	250	2.80	280	ug/L	111				57	139	
Carbon disulfide	50	0	39.0	ug/L	78				67	118	
Methyl tert-butyl Ether	50	0	60.6	ug/L	121				60	148	
Methyl Acetate	50	0	47.2	ug/L	94				60	133	
Methylene Chloride	50	0	54.1	ug/L	108				79	115	
trans-1,2-Dichloroethene	50	0	50.7	ug/L	101				60	133	
1,1-Dichloroethane	50	0	58.4	ug/L	117				78	122	
Cyclohexane	50	0	41.2	ug/L	82				71	119	
2-Butanone	250	0	280	ug/L	112				67	137	
Carbon Tetrachloride	50	0	44.0	ug/L	88				84	115	
cis-1,2-Dichloroethene	50	0	57.4	ug/L	115				56	145	
Bromochloromethane	50	0	50.9	ug/L	102				72	130	
Chloroform	50	0.54	60.7	ug/L	120	*			83	119	
1,1,1-Trichloroethane	50	0	50.5	ug/L	101				83	117	
Methylcyclohexane	50	0	36.0	ug/L	72				64	120	
Benzene	50	0	52.1	ug/L	104				83	115	
1,2-Dichloroethane	50	0	55.0	ug/L	110				76	120	
Trichloroethene	50	0	47.7	ug/L	95				45	149	
1,2-Dichloropropane	50	0	54.2	ug/L	108				85	116	
Bromodichloromethane	50	0	48.5	ug/L	97				86	117	
4-Methyl-2-Pentanone	250	0	260	ug/L	104				72	137	
Toluene	50	0	50.7	ug/L	101				85	115	
t-1,3-Dichloropropene	50	0	39.4	ug/L	79				78	117	
cis-1,3-Dichloropropene	50	0	39.7	ug/L	79				77	115	
1,1,2-Trichloroethane	50	0	55.7	ug/L	111				87	119	
2-Hexanone	250	0	260	ug/L	104				75	131	
Dibromochloromethane	50	0	48.3	ug/L	97				88	118	
1,2-Dibromoethane	50	0	50.4	ug/L	101				85	119	
Tetrachloroethene	50	3.50	44.5	ug/L	82				65	114	
Chlorobenzene	50	0	50.0	ug/L	100				62	141	
Ethyl Benzene	50	0	48.7	ug/L	97				62	134	
m/p-Xylenes	100	0	97.2	ug/L	97				83	117	
o-Xylene	50	0	50.4	ug/L	101				81	120	
Styrene	50	0	46.0	ug/L	92				53	143	
Bromoform	50	0	46.4	ug/L	93				83	121	
Isopropylbenzene	50	0	48.3	ug/L	97				76	121	
1,1,2,2-Tetrachloroethane	50	0	58.6	ug/L	117				66	145	
1,3-Dichlorobenzene	50	0	47.1	ug/L	94				84	110	
1,4-Dichlorobenzene	50	0	48.0	ug/L	96				81	111	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dichlorobenzene	50	0	49.1	ug/L	98				82	113	
1,2-Dibromo-3-Chloropropane	50	0	51.7	ug/L	103				55	152	
1,2,4-Trichlorobenzene	50	0	42.9	ug/L	86				73	120	
1,2,3-Trichlorobenzene	50	0	46.1	ug/L	92				75	119	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : M4338-12MSD	**Client Sample ID :** MW-15DMSD							**Datafile :**	VN069287.D		
Dichlorodifluoromethane	50	0	44.0	ug/L	88		8		73	120	20
Chloromethane	50	0	47.7	ug/L	95		6		58	133	20
Vinyl chloride	50	0	47.3	ug/L	95		2		69	125	20
Bromomethane	50	0	52.6	ug/L	105		6		45	135	20
Chloroethane	50	0	53.9	ug/L	108		4		77	119	20
Trichlorofluoromethane	50	0	61.5	ug/L	123		1		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	49.6	ug/L	99		9		75	117	20
1,1-Dichloroethene	50	0	51.7	ug/L	103		2		77	118	20
Acetone	250	2.80	260	ug/L	103		7		57	139	20
Carbon disulfide	50	0	39.3	ug/L	79		1		67	118	20
Methyl tert-butyl Ether	50	0	55.7	ug/L	111		8		60	148	20
Methyl Acetate	50	0	40.8	ug/L	82		15		60	133	20
Methylene Chloride	50	0	50.2	ug/L	100		7		79	115	20
trans-1,2-Dichloroethene	50	0	49.3	ug/L	99		3		60	133	20
1,1-Dichloroethane	50	0	54.9	ug/L	110		6		78	122	20
Cyclohexane	50	0	45.8	ug/L	92		11		71	119	20
2-Butanone	250	0	260	ug/L	104		7		67	137	20
Carbon Tetrachloride	50	0	45.6	ug/L	91		4		84	115	20
cis-1,2-Dichloroethene	50	0	53.4	ug/L	107		7		56	145	20
Bromochloromethane	50	0	48.1	ug/L	96		6		72	130	20
Chloroform	50	0.54	57.1	ug/L	113		6		83	119	20
1,1,1-Trichloroethane	50	0	50.0	ug/L	100		1		83	117	20
Methylcyclohexane	50	0	43.0	ug/L	86		18		64	120	20
Benzene	50	0	50.9	ug/L	102		2		83	115	20
1,2-Dichloroethane	50	0	52.0	ug/L	104		6		76	120	20
Trichloroethene	50	0	49.1	ug/L	98		3		45	149	20
1,2-Dichloropropane	50	0	51.9	ug/L	104		4		85	116	20
Bromodichloromethane	50	0	47.6	ug/L	95		2		86	117	20
4-Methyl-2-Pentanone	250	0	250	ug/L	100		4		72	137	20
Toluene	50	0	50.9	ug/L	102		0		85	115	20
t-1,3-Dichloropropene	50	0	38.3	ug/L	77	*	3		78	117	20
cis-1,3-Dichloropropene	50	0	38.3	ug/L	77		4		77	115	20
1,1,2-Trichloroethane	50	0	53.0	ug/L	106		5		87	119	20
2-Hexanone	250	0	240	ug/L	96		8		75	131	20
Dibromochloromethane	50	0	46.4	ug/L	93		4		88	118	20
1,2-Dibromoethane	50	0	48.6	ug/L	97		4		85	119	20
Tetrachloroethene	50	3.50	47.6	ug/L	88		7		65	114	20
Chlorobenzene	50	0	50.1	ug/L	100		0		62	141	20
Ethyl Benzene	50	0	50.4	ug/L	101		3		62	134	20
m/p-Xylenes	100	0	100	ug/L	100		3		83	117	20
o-Xylene	50	0	51.5	ug/L	103		2		81	120	20
Styrene	50	0	46.2	ug/L	92		0		53	143	20
Bromoform	50	0	44.6	ug/L	89		4		83	121	20
Isopropylbenzene	50	0	49.0	ug/L	98		1		76	121	20
1,1,2,2-Tetrachloroethane	50	0	53.0	ug/L	106		10		66	145	20
1,3-Dichlorobenzene	50	0	47.4	ug/L	95		1		84	110	20
1,4-Dichlorobenzene	50	0	47.2	ug/L	94		2		81	111	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dichlorobenzene	50	0	48.6	ug/L	97		1		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	48.3	ug/L	97		7		55	152	20
1,2,4-Trichlorobenzene	50	0	43.9	ug/L	88		2		73	120	20
1,2,3-Trichlorobenzene	50	0	47.5	ug/L	95		3		75	119	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069213.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1027WBS05	Dichlorodifluoromethane	20	17.4	ug/L	87			69	116	
	Chloromethane	20	17.5	ug/L	88			65	116	
	Vinyl chloride	20	20.5	ug/L	103			65	117	
	Bromomethane	20	25.6	ug/L	128			55	134	
	Chloroethane	20	22.7	ug/L	114		*	73	112	
	Trichlorofluoromethane	20	20.3	ug/L	102			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106			80	112	
	1,1-Dichloroethene	20	18.5	ug/L	93			74	110	
	Acetone	100	120	ug/L	120			60	125	
	Carbon disulfide	20	15.0	ug/L	75			64	112	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			78	114	
	Methyl Acetate	20	22.4	ug/L	112			67	125	
	Methylene Chloride	20	19.6	ug/L	98			72	114	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			75	108	
	1,1-Dichloroethane	20	19.8	ug/L	99			78	112	
	Cyclohexane	20	17.6	ug/L	88			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	19.8	ug/L	99			77	113	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			77	110	
	Bromochloromethane	20	21.1	ug/L	106			70	124	
	Chloroform	20	20.5	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	19.6	ug/L	98			80	108	
	Methylcyclohexane	20	19.8	ug/L	99			72	115	
	Benzene	20	20.4	ug/L	102			82	109	
	1,2-Dichloroethane	20	22.2	ug/L	111			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	20.4	ug/L	102			83	111	
	Bromodichloromethane	20	19.5	ug/L	98			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.8	ug/L	104			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			82	110	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	18.3	ug/L	92			82	110	
	1,2-Dibromoethane	20	21.2	ug/L	106			81	110	
	Tetrachloroethene	20	19.9	ug/L	100			67	123	
	Chlorobenzene	20	21.1	ug/L	106			82	109	
	Ethyl Benzene	20	21.0	ug/L	105			83	109	
	m/p-Xylenes	40	41.4	ug/L	104			82	110	
	o-Xylene	20	20.5	ug/L	103			83	109	
	Styrene	20	20.2	ug/L	101			80	111	
	Bromoform	20	17.2	ug/L	86			79	109	
	Isopropylbenzene	20	21.2	ug/L	106			83	112	
	1,1,2,2-Tetrachloroethane	20	23.1	ug/L	116			76	118	
	1,3-Dichlorobenzene	20	20.9	ug/L	104			82	108	
	1,4-Dichlorobenzene	20	20.6	ug/L	103			82	107	
	1,2-Dichlorobenzene	20	20.9	ug/L	104			82	109	
	1,2-Dibromo-3-Chloropropane	20	20.7	ug/L	104			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069213.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1027WBS05	1,2,4-Trichlorobenzene	20	18.3	ug/L	92			74	114	
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93			77	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069267.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1028WBS02	Dichlorodifluoromethane	20	21.1	ug/L	106			69	116	
	Chloromethane	20	20.6	ug/L	103			65	116	
	Vinyl chloride	20	21.2	ug/L	106			65	117	
	Bromomethane	20	24.8	ug/L	124			55	134	
	Chloroethane	20	22.1	ug/L	111			73	112	
	Trichlorofluoromethane	20	25.9	ug/L	130		*	73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/L	106			80	112	
	1,1-Dichloroethene	20	21.8	ug/L	109			74	110	
	Acetone	100	95.9	ug/L	96			60	125	
	Carbon disulfide	20	18.5	ug/L	93			64	112	
	Methyl tert-butyl Ether	20	21.3	ug/L	106			78	114	
	Methyl Acetate	20	22.2	ug/L	111			67	125	
	Methylene Chloride	20	20.5	ug/L	103			72	114	
	trans-1,2-Dichloroethene	20	20.4	ug/L	102			75	108	
	1,1-Dichloroethane	20	21.8	ug/L	109			78	112	
	Cyclohexane	20	20.1	ug/L	101			75	110	
	2-Butanone	100	99.7	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.0	ug/L	95			77	113	
	cis-1,2-Dichloroethene	20	21.3	ug/L	106			77	110	
	Bromochloromethane	20	18.0	ug/L	90			70	124	
	Chloroform	20	21.1	ug/L	106			79	113	
	1,1,1-Trichloroethane	20	19.7	ug/L	99			80	108	
	Methylcyclohexane	20	19.6	ug/L	98			72	115	
	Benzene	20	21.0	ug/L	105			82	109	
	1,2-Dichloroethane	20	20.7	ug/L	104			80	115	
	Trichloroethene	20	20.3	ug/L	102			77	113	
	1,2-Dichloropropane	20	20.9	ug/L	104			83	111	
	Bromodichloromethane	20	18.7	ug/L	94			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	20.5	ug/L	103			82	110	
	t-1,3-Dichloropropene	20	17.6	ug/L	88			79	110	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	2-Hexanone	100	98.4	ug/L	98			73	117	
	Dibromochloromethane	20	18.2	ug/L	91			82	110	
	1,2-Dibromoethane	20	19.5	ug/L	98			81	110	
	Tetrachloroethene	20	20.4	ug/L	102			67	123	
	Chlorobenzene	20	19.9	ug/L	100			82	109	
	Ethyl Benzene	20	20.4	ug/L	102			83	109	
	m/p-Xylenes	40	40.5	ug/L	101			82	110	
	o-Xylene	20	20.4	ug/L	102			83	109	
	Styrene	20	18.7	ug/L	94			80	111	
	Bromoform	20	17.4	ug/L	87			79	109	
	Isopropylbenzene	20	21.0	ug/L	105			83	112	
	1,1,2,2-Tetrachloroethane	20	22.0	ug/L	110			76	118	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			82	108	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			82	107	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.8	ug/L	99			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069267.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1028WBS02	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			74	114	
	1,2,3-Trichlorobenzene	20	19.6	ug/L	98			77	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069293.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1029WBS01	Dichlorodifluoromethane	20	19.7	ug/L	99			69	116	
	Chloromethane	20	19.5	ug/L	98			65	116	
	Vinyl chloride	20	19.5	ug/L	98			65	117	
	Bromomethane	20	23.3	ug/L	117			55	134	
	Chloroethane	20	20.7	ug/L	104			73	112	
	Trichlorofluoromethane	20	24.4	ug/L	122		*	73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/L	103			80	112	
	1,1-Dichloroethene	20	20.6	ug/L	103			74	110	
	Acetone	100	120	ug/L	120			60	125	
	Carbon disulfide	20	17.3	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			78	114	
	Methyl Acetate	20	20.4	ug/L	102			67	125	
	Methylene Chloride	20	18.9	ug/L	95			72	114	
	trans-1,2-Dichloroethene	20	19.3	ug/L	97			75	108	
	1,1-Dichloroethane	20	20.2	ug/L	101			78	112	
	Cyclohexane	20	19.1	ug/L	96			75	110	
	2-Butanone	100	99.4	ug/L	99			65	122	
	Carbon Tetrachloride	20	18.3	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			77	110	
	Bromochloromethane	20	20.3	ug/L	102			70	124	
	Chloroform	20	19.9	ug/L	100			79	113	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			80	108	
	Methylcyclohexane	20	20.2	ug/L	101			72	115	
	Benzene	20	20.4	ug/L	102			82	109	
	1,2-Dichloroethane	20	20.2	ug/L	101			80	115	
	Trichloroethene	20	20.0	ug/L	100			77	113	
	1,2-Dichloropropane	20	20.3	ug/L	102			83	111	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	94.4	ug/L	94			74	118	
	Toluene	20	20.0	ug/L	100			82	110	
	t-1,3-Dichloropropene	20	17.8	ug/L	89			79	110	
	cis-1,3-Dichloropropene	20	18.2	ug/L	91			82	110	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			83	112	
	2-Hexanone	100	95.4	ug/L	95			73	117	
	Dibromochloromethane	20	17.5	ug/L	88			82	110	
	1,2-Dibromoethane	20	18.6	ug/L	93			81	110	
	Tetrachloroethene	20	19.6	ug/L	98			67	123	
	Chlorobenzene	20	19.7	ug/L	99			82	109	
	Ethyl Benzene	20	20.1	ug/L	101			83	109	
	m/p-Xylenes	40	40.6	ug/L	102			82	110	
	o-Xylene	20	20.1	ug/L	101			83	109	
	Styrene	20	18.5	ug/L	93			80	111	
	Bromoform	20	17.1	ug/L	86			79	109	
	Isopropylbenzene	20	20.2	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103			76	118	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			82	108	
	1,4-Dichlorobenzene	20	19.1	ug/L	96			82	107	
	1,2-Dichlorobenzene	20	18.7	ug/L	94			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.0	ug/L	90			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: M4338

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VN069293.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1029WBS01	1,2,4-Trichlorobenzene	20	19.3	ug/L	97			74	114	
	1,2,3-Trichlorobenzene	20	19.3	ug/L	97			77	113	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1027WBL03

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069212.D Lab Sample ID: VN1027WBL03

Date Analyzed: 10/27/2021 Time Analyzed: 12:25

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1027WBS05	VN1027WBS05	VN069213.D	10/27/2021
MW-3S(ONSITE)	M4338-01	VN069220.D	10/27/2021
MW-5S	M4338-02	VN069221.D	10/27/2021
MW-5D	M4338-03	VN069222.D	10/27/2021
MW-3D(ONSITE)	M4338-04	VN069223.D	10/27/2021
MW-6S	M4338-05	VN069224.D	10/27/2021
MW-2D(ONSITE)	M4338-06	VN069225.D	10/27/2021
MW-2AD	M4338-09	VN069228.D	10/27/2021
MW-1S(ONSITE)	M4338-13	VN069229.D	10/27/2021
MW-14D	M4338-14	VN069230.D	10/27/2021

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1028WBL02

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069266.D Lab Sample ID: VN1028WBL02

Date Analyzed: 10/28/2021 Time Analyzed: 23:10

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1028WBS02	VN1028WBS02	VN069267.D	10/28/2021
DDC-4-PD	M4338-18	VN069269.D	10/29/2021
DDC-4-PS	M4338-19	VN069270.D	10/29/2021
FD-01	M4338-20	VN069271.D	10/29/2021
FD-02	M4338-21	VN069272.D	10/29/2021
RB-10192021	M4338-22	VN069273.D	10/29/2021
RB-10202021	M4338-23	VN069274.D	10/29/2021
MW-15D	M4338-10	VN069275.D	10/29/2021
RB-10212021	M4338-24	VN069276.D	10/29/2021
TB	M4338-25	VN069277.D	10/29/2021
MW-15DMS	M4338-11MS	VN069286.D	10/29/2021
MW-15DMSD	M4338-12MSD	VN069287.D	10/29/2021

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1029WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069292.D Lab Sample ID: VN1029WBL01

Date Analyzed: 10/29/2021 Time Analyzed: 11:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1029WBS01	VN1029WBS01	VN069293.D	10/29/2021
MW-2D(ONSITE)DL	M4338-06DL	VN069295.D	10/29/2021
MW-2S(ONSITE)	M4338-07	VN069296.D	10/29/2021
MW-2A	M4338-08	VN069297.D	10/29/2021
MW-1D(ONSITE)	M4338-15	VN069298.D	10/29/2021
MW-15S	M4338-16	VN069300.D	10/29/2021
MW-14S	M4338-17	VN069301.D	10/29/2021

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN068857.D BFB Injection Date: 10/12/2021

Instrument ID: MSVOA_N BFB Injection Time: 09:19

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	73.1 (98.6) 1
177	5.0 - 9.0% of mass 176	4.4 (6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN068858.D	10/12/2021	09:54
VSTDICC005	VSTDICC005	VN068859.D	10/12/2021	10:59
VSTDICC020	VSTDICC020	VN068860.D	10/12/2021	11:24
VSTDICCC050	VSTDICCC050	VN068861.D	10/12/2021	11:50
VSTDICC100	VSTDICC100	VN068862.D	10/12/2021	12:15
VSTDICC150	VSTDICC150	VN068863.D	10/12/2021	12:40

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069209.D BFB Injection Date: 10/27/2021

Instrument ID: MSVOA_N BFB Injection Time: 09:30

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	74.2
175	5.0 - 9.0% of mass 174	5.9 (8) 1
176	95.0 - 101.0% of mass 174	73.2 (98.7) 1
177	5.0 - 9.0% of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN069210.D	10/27/2021	11:18
VN1027WBL03	VN1027WBL03	VN069212.D	10/27/2021	12:25
VN1027WBS05	VN1027WBS05	VN069213.D	10/27/2021	12:57
MW-3S(ONSITE)	M4338-01	VN069220.D	10/27/2021	15:57
MW-5S	M4338-02	VN069221.D	10/27/2021	16:22
MW-5D	M4338-03	VN069222.D	10/27/2021	16:47
MW-3D(ONSITE)	M4338-04	VN069223.D	10/27/2021	17:12
MW-6S	M4338-05	VN069224.D	10/27/2021	17:37
MW-2D(ONSITE)	M4338-06	VN069225.D	10/27/2021	18:03
MW-2AD	M4338-09	VN069228.D	10/27/2021	19:18
MW-1S(ONSITE)	M4338-13	VN069229.D	10/27/2021	19:43
MW-14D	M4338-14	VN069230.D	10/27/2021	20:08

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069242.D BFB Injection Date: 10/28/2021

Instrument ID: MSVOA_N BFB Injection Time: 09:16

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	73.4
175	5.0 - 9.0% of mass 174	5.7 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (96.3) 1
177	5.0 - 9.0% of mass 176	4.7 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VN069245.D	10/28/2021	11:18
VSTDICCC050	VSTDICCC050	VN069246.D	10/28/2021	11:43
VSTDICC100	VSTDICC100	VN069247.D	10/28/2021	12:08
VSTDICC150	VSTDICC150	VN069248.D	10/28/2021	12:34
VSTDICC001	VSTDICC001	VN069250.D	10/28/2021	13:45
VSTDICC005	VSTDICC005	VN069251.D	10/28/2021	15:13

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069264.D BFB Injection Date: 10/28/2021

Instrument ID: MSVOA_N BFB Injection Time: 21:53

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	74.2 (98.6) 1
177	5.0 - 9.0% of mass 176	5.4 (7.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN069265.D	10/28/2021	22:18
VN1028WBL02	VN1028WBL02	VN069266.D	10/28/2021	23:10
VN1028WBS02	VN1028WBS02	VN069267.D	10/28/2021	23:36
DDC-4-PD	M4338-18	VN069269.D	10/29/2021	00:27
DDC-4-PS	M4338-19	VN069270.D	10/29/2021	00:53
FD-01	M4338-20	VN069271.D	10/29/2021	01:19
FD-02	M4338-21	VN069272.D	10/29/2021	01:44
RB-10192021	M4338-22	VN069273.D	10/29/2021	02:10
RB-10202021	M4338-23	VN069274.D	10/29/2021	02:36
MW-15D	M4338-10	VN069275.D	10/29/2021	03:01
RB-10212021	M4338-24	VN069276.D	10/29/2021	03:27
TB	M4338-25	VN069277.D	10/29/2021	03:53
MW-15DMS	M4338-11MS	VN069286.D	10/29/2021	07:43
MW-15DMSD	M4338-12MSD	VN069287.D	10/29/2021	08:09

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069289.D BFB Injection Date: 10/29/2021

Instrument ID: MSVOA_N BFB Injection Time: 09:29

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	6.2 (8.4) 1
176	95.0 - 101.0% of mass 174	72.2 (97.6) 1
177	5.0 - 9.0% of mass 176	4.4 (6.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN069290.D	10/29/2021	10:15
VN1029WBL01	VN1029WBL01	VN069292.D	10/29/2021	11:13
VN1029WBS01	VN1029WBS01	VN069293.D	10/29/2021	11:38
MW-2D(ONSITE)DL	M4338-06DL	VN069295.D	10/29/2021	12:38
MW-2S(ONSITE)	M4338-07	VN069296.D	10/29/2021	13:04
MW-2A	M4338-08	VN069297.D	10/29/2021	13:30
MW-1D(ONSITE)	M4338-15	VN069298.D	10/29/2021	13:55
MW-15S	M4338-16	VN069300.D	10/29/2021	14:47
MW-14S	M4338-17	VN069301.D	10/29/2021	15:13

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069210.D Date Analyzed: 10/27/2021

Instrument ID: MSVOA_N Time Analyzed: 11:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	274899	8.09	467584	8.97	445197	11.75
UPPER LIMIT	549798	8.586	935168	9.468	890394	12.246
LOWER LIMIT	137450	7.586	233792	8.468	222599	11.246
EPA SAMPLE NO.						
MW-3S(ONSITE)	328333	8.09	576588	8.97	553402	11.75
MW-5S	335018	8.09	583126	8.97	563021	11.75
MW-5D	342164	8.09	598583	8.97	581575	11.75
MW-3D(ONSITE)	360405	8.09	630389	8.97	599323	11.75
MW-6S	320942	8.09	565169	8.97	555821	11.75
MW-2D(ONSITE)	323229	8.09	571829	8.97	543691	11.75
MW-2AD	337463	8.09	591487	8.97	564696	11.75
MW-1S(ONSITE)	319410	8.09	555384	8.97	546671	11.75
MW-14D	337136	8.09	584611	8.97	554540	11.75
VN1027WBL03	334684	8.09	585348	8.97	560566	11.75
VN1027WBS05	248112	8.09	421502	8.97	390270	11.75

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069210.D Date Analyzed: 10/27/2021

Instrument ID: MSVOA_N Time Analyzed: 11:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	190941	13.677				
UPPER LIMIT	381882	14.177				
LOWER LIMIT	95470.5	13.177				
EPA SAMPLE NO.						
MW-3S(ONSITE)	194834	13.68				
MW-5S	202308	13.68				
MW-5D	212735	13.68				
MW-3D(ONSITE)	218314	13.68				
MW-6S	197232	13.68				
MW-2D(ONSITE)	212207	13.68				
MW-2AD	208987	13.68				
MW-1S(ONSITE)	201808	13.68				
MW-14D	190508	13.68				
VN1027WBL03	206672	13.68				
VN1027WBS05	160465	13.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069265.D Date Analyzed: 10/28/2021

Instrument ID: MSVOA_N Time Analyzed: 22:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	235322	8.09	415965	8.97	390560	11.75
UPPER LIMIT	470644	8.585	831930	9.468	781120	12.246
LOWER LIMIT	117661	7.585	207983	8.468	195280	11.246
EPA SAMPLE NO.						
MW-15D	301983	8.09	539150	8.97	521024	11.75
MW-15DMS	188534	8.09	359476	8.97	339319	11.74
MW-15DMSD	207949	8.09	386301	8.97	365224	11.75
DDC-4-PD	298112	8.09	521583	8.97	496416	11.75
DDC-4-PS	313693	8.09	556141	8.97	538225	11.75
FD-01	307067	8.09	540674	8.97	525311	11.75
FD-02	306806	8.09	538543	8.97	524013	11.75
RB-10192021	301756	8.09	532677	8.97	519009	11.75
RB-10202021	300429	8.09	528128	8.97	513969	11.75
RB-10212021	307597	8.09	542689	8.97	527061	11.75
TB	303893	8.09	532947	8.97	527946	11.75
VN1028WBL02	314014	8.09	549621	8.97	535141	11.75
VN1028WBS02	227284	8.09	405858	8.97	375335	11.75

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069265.D Date Analyzed: 10/28/2021

Instrument ID: MSVOA_N Time Analyzed: 22:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	171833	13.675				
UPPER LIMIT	343666	14.175				
LOWER LIMIT	85916.5	13.175				
EPA SAMPLE NO.						
MW-15D	195117	13.68				
MW-15DMS	142139	13.68				
MW-15DMSD	159608	13.68				
DDC-4-PD	180882	13.68				
DDC-4-PS	200580	13.68				
FD-01	194334	13.68				
FD-02	200924	13.68				
RB-10192021	192611	13.68				
RB-10202021	195548	13.68				
RB-10212021	198586	13.68				
TB	197607	13.68				
VN1028WBL02	199246	13.68				
VN1028WBS02	152279	13.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069290.D Date Analyzed: 10/29/2021

Instrument ID: MSVOA_N Time Analyzed: 10:15

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	271245	8.09	450617	8.97	421481	11.75
UPPER LIMIT	542490	8.585	901234	9.468	842962	12.246
LOWER LIMIT	135623	7.585	225309	8.468	210741	11.246
EPA SAMPLE NO.						
MW-2D(ONSITE)DL	305013	8.09	533588	8.97	521173	11.75
MW-2S(ONSITE)	317907	8.09	556718	8.97	544090	11.75
MW-2A	302883	8.09	534518	8.97	525311	11.75
MW-1D(ONSITE)	312289	8.09	551989	8.97	531519	11.75
MW-15S	293103	8.09	517901	8.97	503690	11.75
MW-14S	292791	8.09	520004	8.97	506225	11.75
VN1029WBL01	304651	8.09	531829	8.97	522311	11.75
VN1029WBS01	257136	8.09	444451	8.97	405668	11.75

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG NO.: M4338

Lab File ID: VN069290.D Date Analyzed: 10/29/2021

Instrument ID: MSVOA_N Time Analyzed: 10:15

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	192730	13.675				
UPPER LIMIT	385460	14.175				
LOWER LIMIT	96365	13.175				
EPA SAMPLE NO.						
MW-2D(ONSITE)DL	206156	13.68				
MW-2S(ONSITE)	205063	13.68				
MW-2A	196305	13.68				
MW-1D(ONSITE)	199753	13.68				
MW-15S	186922	13.68				
MW-14S	189482	13.68				
VN1029WBL01	198768	13.68				
VN1029WBS01	168164	13.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL03	SDG No.:	M4338
Lab Sample ID:	VN1027WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069212.D	1		10/27/21 12:25	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL03	SDG No.:	M4338
Lab Sample ID:	VN1027WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069212.D	1		10/27/21 12:25	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		78 - 117	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	54.1		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	335000	8.088			
540-36-3	1,4-Difluorobenzene	585000	8.971			
3114-55-4	Chlorobenzene-d5	561000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBL03	SDG No.:	M4338
Lab Sample ID:	VN1027WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069212.D	1		10/27/21 12:25	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1028WBL02	SDG No.:	M4338
Lab Sample ID:	VN1028WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069266.D	1		10/28/21 23:10	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1028WBL02	SDG No.:	M4338
Lab Sample ID:	VN1028WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069266.D	1		10/28/21 23:10	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		78 - 117	93%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	50.1		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		83 - 123	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	8.088			
540-36-3	1,4-Difluorobenzene	550000	8.971			
3114-55-4	Chlorobenzene-d5	535000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1028WBL02	SDG No.:	M4338
Lab Sample ID:	VN1028WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069266.D	1		10/28/21 23:10	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1029WBL01	SDG No.:	M4338
Lab Sample ID:	VN1029WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069292.D	1		10/29/21 11:13	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1029WBL01	SDG No.:	M4338
Lab Sample ID:	VN1029WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069292.D	1		10/29/21 11:13	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.32	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.19	1.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		78 - 117	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.7		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	305000	8.088			
540-36-3	1,4-Difluorobenzene	532000	8.968			
3114-55-4	Chlorobenzene-d5	522000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.677			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1029WBL01	SDG No.:	M4338
Lab Sample ID:	VN1029WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069292.D	1		10/29/21 11:13	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS05	SDG No.:	M4338
Lab Sample ID:	VN1027WBS05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069213.D	1		10/27/21 12:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.4		0.23	1.00	ug/L
74-87-3	Chloromethane	17.5		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	20.5		0.19	1.00	ug/L
74-83-9	Bromomethane	25.6		0.87	5.00	ug/L
75-00-3	Chloroethane	22.7		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.3		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.26	1.00	ug/L
67-64-1	Acetone	120		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.22	1.00	ug/L
79-20-9	Methyl Acetate	22.4		0.47	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.21	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.30	5.00	ug/L
78-93-3	2-Butanone	110		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.22	1.00	ug/L
74-97-5	Bromochloromethane	21.1		0.26	1.00	ug/L
67-66-3	Chloroform	20.5		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.14	1.00	ug/L
71-43-2	Benzene	20.4		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	22.2		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	20.8		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.4		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS05	SDG No.:	M4338
Lab Sample ID:	VN1027WBS05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069213.D	1		10/27/21 12:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	21.4		0.24	1.00	ug/L
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	18.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.17	1.00	ug/L
108-90-7	Chlorobenzene	21.1		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	41.4		0.32	2.00	ug/L
95-47-6	o-Xylene	20.5		0.19	1.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	17.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.2		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	23.1		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.9		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.6		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.3		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	54.2		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	8.088			
540-36-3	1,4-Difluorobenzene	422000	8.971			
3114-55-4	Chlorobenzene-d5	390000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1027WBS05	SDG No.:	M4338
Lab Sample ID:	VN1027WBS05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069213.D	1		10/27/21 12:57	VN102721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1028WBS02	SDG No.:	M4338
Lab Sample ID:	VN1028WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069267.D	1		10/28/21 23:36	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		0.23	1.00	ug/L
74-87-3	Chloromethane	20.6		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	21.2		0.19	1.00	ug/L
74-83-9	Bromomethane	24.8		0.87	5.00	ug/L
75-00-3	Chloroethane	22.1		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	25.9		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.8		0.26	1.00	ug/L
67-64-1	Acetone	95.9		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	18.5		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.3		0.22	1.00	ug/L
79-20-9	Methyl Acetate	22.2		0.47	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.4		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.8		0.21	1.00	ug/L
110-82-7	Cyclohexane	20.1		1.30	5.00	ug/L
78-93-3	2-Butanone	99.7		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.3		0.22	1.00	ug/L
74-97-5	Bromochloromethane	18.0		0.26	1.00	ug/L
67-66-3	Chloroform	21.1		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.6		0.14	1.00	ug/L
71-43-2	Benzene	21.0		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.3		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	18.7		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.87	5.00	ug/L
108-88-3	Toluene	20.5		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.6		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1028WBS02	SDG No.:	M4338
Lab Sample ID:	VN1028WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069267.D	1		10/28/21 23:36	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.6		0.24	1.00	ug/L
591-78-6	2-Hexanone	98.4		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	18.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	40.5		0.32	2.00	ug/L
95-47-6	o-Xylene	20.4		0.19	1.00	ug/L
100-42-5	Styrene	18.7		0.16	1.00	ug/L
75-25-2	Bromoform	17.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.0		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.0		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.6		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.7		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		83 - 123	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	227000	8.088			
540-36-3	1,4-Difluorobenzene	406000	8.971			
3114-55-4	Chlorobenzene-d5	375000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.678			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1028WBS02	SDG No.:	M4338
Lab Sample ID:	VN1028WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069267.D	1		10/28/21 23:36	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1029WBS01	SDG No.:	M4338
Lab Sample ID:	VN1029WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069293.D	1		10/29/21 11:38	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		0.23	1.00	ug/L
74-87-3	Chloromethane	19.5		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	19.5		0.19	1.00	ug/L
74-83-9	Bromomethane	23.3		0.87	5.00	ug/L
75-00-3	Chloroethane	20.7		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	24.4		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.6		0.26	1.00	ug/L
67-64-1	Acetone	120		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.3		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.22	1.00	ug/L
79-20-9	Methyl Acetate	20.4		0.47	1.00	ug/L
75-09-2	Methylene Chloride	18.9		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.21	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.30	5.00	ug/L
78-93-3	2-Butanone	99.4		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.3		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.22	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.26	1.00	ug/L
67-66-3	Chloroform	19.9		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.2		0.14	1.00	ug/L
71-43-2	Benzene	20.4		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.3		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	94.4		0.87	5.00	ug/L
108-88-3	Toluene	20.0		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.8		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.2		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1029WBS01	SDG No.:	M4338
Lab Sample ID:	VN1029WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069293.D	1		10/29/21 11:38	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.7		0.24	1.00	ug/L
591-78-6	2-Hexanone	95.4		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	17.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	40.6		0.32	2.00	ug/L
95-47-6	o-Xylene	20.1		0.19	1.00	ug/L
100-42-5	Styrene	18.5		0.16	1.00	ug/L
75-25-2	Bromoform	17.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.1		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.3		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.2		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		83 - 123	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	257000	8.086			
540-36-3	1,4-Difluorobenzene	444000	8.968			
3114-55-4	Chlorobenzene-d5	406000	11.747			
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.675			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	NYSDEC - National Heatset	Date Received:	
Client Sample ID:	VN1029WBS01	SDG No.:	M4338
Lab Sample ID:	VN1029WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069293.D	1		10/29/21 11:38	VN102921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15DMS	SDG No.:	M4338
Lab Sample ID:	M4338-11MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069286.D	1		10/29/21 07:43	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	40.8		0.23	1.00	ug/L
74-87-3	Chloromethane	50.7		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	48.3		0.19	1.00	ug/L
74-83-9	Bromomethane	55.8		0.87	5.00	ug/L
75-00-3	Chloroethane	56.1		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	60.6		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	45.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	52.8		0.26	1.00	ug/L
67-64-1	Acetone	280		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	39.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	60.6		0.22	1.00	ug/L
79-20-9	Methyl Acetate	47.2		0.47	1.00	ug/L
75-09-2	Methylene Chloride	54.1		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	50.7		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	58.4		0.21	1.00	ug/L
110-82-7	Cyclohexane	41.2		1.30	5.00	ug/L
78-93-3	2-Butanone	280		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	44.0		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	57.4		0.22	1.00	ug/L
74-97-5	Bromochloromethane	50.9		0.26	1.00	ug/L
67-66-3	Chloroform	60.7		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	36.0		0.14	1.00	ug/L
71-43-2	Benzene	52.1		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	55.0		0.25	1.00	ug/L
79-01-6	Trichloroethene	47.7		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	54.2		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	48.5		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	260		0.87	5.00	ug/L
108-88-3	Toluene	50.7		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	39.4		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	39.7		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15DMS	SDG No.:	M4338
Lab Sample ID:	M4338-11MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069286.D	1		10/29/21 07:43	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	55.7		0.24	1.00	ug/L
591-78-6	2-Hexanone	260		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	48.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	50.4		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	44.5		0.17	1.00	ug/L
108-90-7	Chlorobenzene	50.0		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	48.7		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	97.2		0.32	2.00	ug/L
95-47-6	o-Xylene	50.4		0.19	1.00	ug/L
100-42-5	Styrene	46.0		0.16	1.00	ug/L
75-25-2	Bromoform	46.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	48.3		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	58.6		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	47.1		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	48.0		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	49.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	51.7		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	46.1		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	45.3	*	92 - 112	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		83 - 123	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	189000	8.086			
540-36-3	1,4-Difluorobenzene	359000	8.968			
3114-55-4	Chlorobenzene-d5	339000	11.744			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.675			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15DMS	SDG No.:	M4338
Lab Sample ID:	M4338-11MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069286.D	1		10/29/21 07:43	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15DMSD	SDG No.:	M4338
Lab Sample ID:	M4338-12MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069287.D	1		10/29/21 08:09	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	44.0		0.23	1.00	ug/L
74-87-3	Chloromethane	47.7		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	47.3		0.19	1.00	ug/L
74-83-9	Bromomethane	52.6		0.87	5.00	ug/L
75-00-3	Chloroethane	53.9		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	61.5		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	49.6		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.7		0.26	1.00	ug/L
67-64-1	Acetone	260		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	39.3		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	55.7		0.22	1.00	ug/L
79-20-9	Methyl Acetate	40.8		0.47	1.00	ug/L
75-09-2	Methylene Chloride	50.2		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	49.3		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	54.9		0.21	1.00	ug/L
110-82-7	Cyclohexane	45.8		1.30	5.00	ug/L
78-93-3	2-Butanone	260		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	45.6		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.4		0.22	1.00	ug/L
74-97-5	Bromochloromethane	48.1		0.26	1.00	ug/L
67-66-3	Chloroform	57.1		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	43.0		0.14	1.00	ug/L
71-43-2	Benzene	50.9		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	52.0		0.25	1.00	ug/L
79-01-6	Trichloroethene	49.1		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.9		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	47.6		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	250		0.87	5.00	ug/L
108-88-3	Toluene	50.9		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	38.3		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	38.3		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15DMSD	SDG No.:	M4338
Lab Sample ID:	M4338-12MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069287.D	1		10/29/21 08:09	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	53.0		0.24	1.00	ug/L
591-78-6	2-Hexanone	240		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	46.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	48.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	47.6		0.17	1.00	ug/L
108-90-7	Chlorobenzene	50.1		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	50.4		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.32	2.00	ug/L
95-47-6	o-Xylene	51.5		0.19	1.00	ug/L
100-42-5	Styrene	46.2		0.16	1.00	ug/L
75-25-2	Bromoform	44.6		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	49.0		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	53.0		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	47.4		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.2		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	48.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	48.3		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	47.5		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		78 - 117	98%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	44.8	*	92 - 112	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		83 - 123	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208000	8.086			
540-36-3	1,4-Difluorobenzene	386000	8.968			
3114-55-4	Chlorobenzene-d5	365000	11.746			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.675			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	10/21/21
Project:	NYSDEC - National Heatset	Date Received:	10/25/21
Client Sample ID:	MW-15DMSD	SDG No.:	M4338
Lab Sample ID:	M4338-12MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN069287.D	1		10/29/21 08:09	VN102821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Calibration Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN068858.D RRF005 = VN068859.D RRF020 = VN068860.D
RRF050 = VN068861.D RRF100 = VN068862.D RRF150 = VN068863.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.389	0.413	0.598	0.607	0.640	0.631	0.546	20.8
Chloromethane	0.567	0.544	0.646	0.654	0.637	0.619	0.611	7.4
Vinyl Chloride	0.483	0.539	0.678	0.682	0.679	0.663	0.621	14
Bromomethane		0.336	0.396	0.387	0.342	0.246	0.341	17.4
Chloroethane	0.293	0.336	0.393	0.403	0.388	0.382	0.366	11.6
Trichlorofluoromethane	0.686	0.773	0.928	0.933	0.955	0.940	0.869	12.9
1,1,2-Trichlorotrifluoroethane	0.372	0.409	0.499	0.500	0.517	0.507	0.467	13.1
1,1-Dichloroethene	0.445	0.437	0.505	0.496	0.513	0.503	0.483	6.9
Acetone	0.215	0.215	0.276	0.265	0.257	0.248	0.246	10.4
Carbon Disulfide	1.029	1.121	1.371	1.417	1.469	1.461	1.311	14.4
Methyl tert-butyl Ether	1.359	1.591	1.896	1.963	2.023	1.961	1.799	14.7
Methyl Acetate	0.715	0.884	0.972	0.997	1.024	1.006	0.933	12.6
Methylene Chloride	0.508	0.542	0.567	0.589	0.604	0.588	0.566	6.3
trans-1,2-Dichloroethene	0.470	0.464	0.529	0.551	0.567	0.552	0.522	8.5
1,1-Dichloroethane	0.791	0.872	1.030	1.048	1.074	1.057	0.979	12
Cyclohexane		1.033	1.036	1.034	1.035	0.987	1.025	2.1
2-Butanone	0.283	0.328	0.399	0.411	0.410	0.400	0.372	14.4
Carbon Tetrachloride	0.395	0.390	0.499	0.516	0.518	0.496	0.469	12.8
cis-1,2-Dichloroethene	0.604	0.555	0.636	0.665	0.671	0.655	0.631	7
Bromochloromethane	0.330	0.458	0.386	0.450	0.516	0.519	0.443	16.7
Chloroform	0.838	0.917	1.069	1.123	1.140	1.101	1.031	12
1,1,1-Trichloroethane	0.851	0.807	0.990	1.036	1.057	1.026	0.961	11
Methylcyclohexane	0.425	0.470	0.590	0.611	0.614	0.589	0.550	14.7
Benzene	1.041	1.135	1.389	1.440	1.429	1.368	1.300	13
1,2-Dichloroethane	0.358	0.404	0.487	0.513	0.509	0.492	0.461	13.9
Trichloroethene	0.251	0.284	0.346	0.359	0.364	0.349	0.325	14.4
1,2-Dichloropropane	0.266	0.298	0.360	0.372	0.371	0.359	0.337	13.2
Bromodichloromethane	0.370	0.407	0.505	0.534	0.533	0.516	0.477	14.8
4-Methyl-2-Pentanone	0.325	0.395	0.483	0.510	0.499	0.496	0.451	16.6
Toluene	0.642	0.712	0.883	0.950	0.933	0.901	0.837	15.3
t-1,3-Dichloropropene	0.399	0.460	0.563	0.605	0.614	0.602	0.541	16.6
cis-1,3-Dichloropropene	0.426	0.474	0.596	0.629	0.637	0.614	0.563	15.9
1,1,2-Trichloroethane	0.265	0.294	0.343	0.362	0.362	0.353	0.330	12.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Calibration Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN068858.D RRF005 = VN068859.D RRF020 = VN068860.D
RRF050 = VN068861.D RRF100 = VN068862.D RRF150 = VN068863.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Hexanone	0.228	0.277	0.342	0.367	0.362	0.366	0.324	18
Dibromochloromethane	0.288	0.317	0.392	0.414	0.416	0.407	0.372	14.9
1,2-Dibromoethane	0.244	0.292	0.358	0.383	0.381	0.372	0.338	16.9
Tetrachloroethene	0.266	0.301	0.349	0.354	0.343	0.321	0.322	10.5
Chlorobenzene	0.774	0.827	1.002	1.032	1.037	1.005	0.946	12.1
Ethyl Benzene	1.352	1.547	1.898	1.961	1.937	1.850	1.758	14.2
m/p-Xylenes	0.526	0.569	0.719	0.740	0.734	0.709	0.666	14
o-Xylene	0.518	0.572	0.720	0.737	0.737	0.718	0.667	14.4
Styrene	0.790	0.900	1.140	1.213	1.240	1.231	1.086	17.8
Bromoform	0.223	0.252	0.310	0.330	0.332	0.333	0.297	15.9
Isopropylbenzene	3.580	3.975	4.381	4.438	4.347	4.249	4.162	7.9
1,1,2,2-Tetrachloroethane	1.077	1.179	1.265	1.285	1.235	1.175	1.203	6.3
1,3-Dichlorobenzene	1.246	1.426	1.700	1.744	1.739	1.697	1.592	13
1,4-Dichlorobenzene	1.285	1.409	1.662	1.722	1.720	1.681	1.580	11.8
1,2-Dichlorobenzene	1.258	1.367	1.658	1.706	1.675	1.615	1.546	12.1
1,2-Dibromo-3-Chloropropane	0.171	0.214	0.247	0.257	0.252	0.251	0.232	14.5
1,2,4-Trichlorobenzene	0.340	0.529	0.706	0.806	0.863	0.875	0.686	31
1,2,3-Trichlorobenzene	0.321	0.473	0.688	0.771	0.818	0.832	0.650	32
1,2-Dichloroethane-d4		0.692	0.545	0.618	0.720	0.721	0.659	11.6
Dibromofluoromethane		0.306	0.239	0.274	0.319	0.316	0.291	11.6
Toluene-d8		1.178	0.967	1.121	1.277	1.277	1.164	11.1
4-Bromofluorobenzene		0.406	0.348	0.420	0.497	0.524	0.439	16.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date(s): 10/28/2021 10/28/2021

Heated Purge: (Y/N) N Calibration Time(s): 11:18 15:13

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF020 = VN069245.D RRF050 = VN069246.D RRF100 = VN069247.D
RRF150 = VN069248.D RRF001 = VN069250.D RRF005 = VN069251.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF001	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.609	0.596	0.585	0.593	0.309	0.304	0.499	30
Chloromethane	0.640	0.624	0.597	0.590	0.495	0.422	0.561	15.1
Vinyl Chloride	0.750	0.732	0.714	0.737	0.542	0.470	0.658	18.2
Bromomethane	0.505	0.478	0.400	0.311		0.408	0.420	18.1
Chloroethane	0.486	0.480	0.445	0.463	0.405	0.335	0.436	13.2
Trichlorofluoromethane	0.981	0.945	0.914	0.933	0.706	0.842	0.887	11.3
1,1,2-Trichlorotrifluoroethane	0.530	0.508	0.487	0.497	0.412	0.388	0.470	12
1,1-Dichloroethene	0.500	0.487	0.472	0.482	0.393	0.365	0.450	12.5
Acetone	0.363	0.327	0.313	0.310	0.305	0.228	0.308	14.4
Carbon Disulfide	1.188	1.239	1.260	1.308	1.311	0.879	1.198	13.6
Methyl tert-butyl Ether	1.928	1.934	1.893	1.957	1.535	1.372	1.769	14.2
Methyl Acetate	1.145	1.119	1.079	1.117	1.013	0.797	1.045	12.4
Methylene Chloride	0.607	0.581	0.568	0.581	0.695	0.507	0.590	10.4
trans-1,2-Dichloroethene	0.540	0.533	0.524	0.540	0.516	0.394	0.508	11.1
1,1-Dichloroethane	1.054	1.034	1.008	1.035	0.804	0.771	0.951	13.4
Cyclohexane	1.025	0.982	0.934	0.940		0.949	0.966	3.9
2-Butanone	0.490	0.482	0.467	0.475	0.391	0.315	0.437	15.9
Carbon Tetrachloride	0.474	0.498	0.489	0.502	0.359	0.341	0.444	16.5
cis-1,2-Dichloroethene	0.656	0.657	0.635	0.651	0.506	0.495	0.600	12.9
Bromochloromethane	0.462	0.493	0.500	0.518	0.462	0.424	0.476	7.1
Chloroform	1.124	1.139	1.107	1.127	0.884	0.821	1.034	13.7
1,1,1-Trichloroethane	0.996	1.029	1.003	1.030	0.742	0.691	0.915	17
Methylcyclohexane	0.575	0.580	0.569	0.571	0.458	0.448	0.534	11.7
Benzene	1.419	1.416	1.359	1.377	1.136	1.073	1.297	11.7
1,2-Dichloroethane	0.519	0.530	0.512	0.517	0.453	0.396	0.488	10.7
Trichloroethene	0.352	0.350	0.340	0.346	0.299	0.271	0.326	10.2
1,2-Dichloropropane	0.359	0.359	0.349	0.354	0.288	0.272	0.330	11.9
Bromodichloromethane	0.488	0.506	0.501	0.512	0.342	0.328	0.446	19.4
4-Methyl-2-Pentanone	0.542	0.560	0.551	0.573	0.424	0.361	0.502	17.4
Toluene	0.899	0.934	0.908	0.918	0.747	0.695	0.850	12
t-1,3-Dichloropropene	0.517	0.566	0.570	0.591	0.381	0.339	0.494	21.7
cis-1,3-Dichloropropene	0.553	0.590	0.593	0.608	0.398	0.375	0.520	20.2
1,1,2-Trichloroethane	0.363	0.371	0.362	0.367	0.310	0.274	0.341	11.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date(s): 10/28/2021 10/28/2021

Heated Purge: (Y/N) N Calibration Time(s): 11:18 15:13

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF020 = VN069245.D RRF050 = VN069246.D RRF100 = VN069247.D
RRF150 = VN069248.D RRF001 = VN069250.D RRF005 = VN069251.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF001	RRF005	$\overline{RRF}$	% RSD
2-Hexanone	0.400	0.426	0.423	0.440	0.372	0.259	0.387	17.3
Dibromochloromethane	0.350	0.386	0.390	0.402	0.225	0.231	0.331	24.7
1,2-Dibromoethane	0.379	0.397	0.389	0.395	0.280	0.263	0.350	17.6
Tetrachloroethene	0.345	0.328	0.312	0.309	0.338	0.284	0.319	7
Chlorobenzene	1.050	1.041	1.012	1.020	0.975	0.806	0.984	9.3
Ethyl Benzene	1.936	1.958	1.890	1.891	1.598	1.483	1.793	11.2
m/p-Xylenes	0.725	0.736	0.715	0.718	0.568	0.544	0.668	13
o-Xylene	0.730	0.735	0.718	0.727	0.573	0.550	0.672	12.9
Styrene	1.150	1.219	1.216	1.257	0.896	0.830	1.095	16.8
Bromoform	0.263	0.299	0.312	0.327	0.171	0.168	0.257	27.5
Isopropylbenzene	4.595	4.354	4.187	4.316	3.964	3.801	4.203	6.8
1,1,2,2-Tetrachloroethane	1.491	1.393	1.326	1.315	1.352	1.172	1.342	7.8
1,3-Dichlorobenzene	1.744	1.747	1.693	1.741	1.997	1.427	1.725	10.5
1,4-Dichlorobenzene	1.701	1.693	1.646	1.688	2.278	1.486	1.749	15.5
1,2-Dichlorobenzene	1.728	1.701	1.606	1.635	2.016	1.398	1.681	12
1,2-Dibromo-3-Chloropropane	0.269	0.275	0.272	0.290	0.301	0.168	0.263	18.3
1,2,4-Trichlorobenzene	0.705	0.768	0.792	0.864	1.402	0.620	0.859	32.5
1,2,3-Trichlorobenzene	0.697	0.761	0.770	0.840	1.528	0.604	0.866	38.5
1,2-Dichloroethane-d4	0.693	0.750	0.732	0.764		0.669	0.722	5.5
Dibromofluoromethane	0.299	0.326	0.315	0.330		0.289	0.312	5.6
Toluene-d8	1.180	1.312	1.272	1.329		1.138	1.246	6.7
4-Bromofluorobenzene	0.413	0.496	0.507	0.543		0.392	0.470	13.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date/Time: 10/27/2021 11:18

Lab File ID: VN069210.D Init. Calib. Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.546	0.521		-4.58	20
Chloromethane	0.611	0.522	0.1	-14.57	20
Vinyl Chloride	0.621	0.636		2.41	20
Bromomethane	0.341	0.420		23.17	20
Chloroethane	0.366	0.424		15.85	20
Trichlorofluoromethane	0.869	0.876		0.81	20
1,1,2-Trichlorotrifluoroethane	0.467	0.496		6.21	20
1,1-Dichloroethene	0.483	0.446		-7.66	20
Acetone	0.246	0.335		36.18	20
Carbon Disulfide	1.311	1.044		-20.37	20
Methyl tert-butyl Ether	1.799	1.833		1.89	20
Methyl Acetate	0.933	1.044		11.9	20
Methylene Chloride	0.566	0.551		-2.65	20
trans-1,2-Dichloroethene	0.522	0.482		-7.66	20
1,1-Dichloroethane	0.979	0.976	0.1	-0.31	20
Cyclohexane	1.025	0.891		-13.07	20
2-Butanone	0.372	0.444		19.35	20
Carbon Tetrachloride	0.469	0.479		2.13	20
cis-1,2-Dichloroethene	0.631	0.611		-3.17	20
Bromochloromethane	0.443	0.486		9.71	20
Chloroform	1.031	1.069		3.69	20
1,1,1-Trichloroethane	0.961	0.974		1.35	20
Methylcyclohexane	0.550	0.568		3.27	20
Benzene	1.300	1.345		3.46	20
1,2-Dichloroethane	0.461	0.510		10.63	20
Trichloroethene	0.325	0.337		3.69	20
1,2-Dichloropropane	0.337	0.351		4.15	20
Bromodichloromethane	0.477	0.501		5.03	20
4-Methyl-2-Pentanone	0.451	0.523		15.97	20
Toluene	0.837	0.900		7.53	20
t-1,3-Dichloropropene	0.541	0.563		4.07	20
cis-1,3-Dichloropropene	0.563	0.585		3.91	20
1,1,2-Trichloroethane	0.330	0.363		10	20
2-Hexanone	0.324	0.402		24.07	20
Dibromochloromethane	0.372	0.387		4.03	20
1,2-Dibromoethane	0.338	0.383		13.31	20
Tetrachloroethene	0.322	0.319		-0.93	20
Chlorobenzene	0.946	1.023	0.3	8.14	20
Ethyl Benzene	1.758	1.909		8.59	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date/Time: 10/27/2021 11:18

Lab File ID: VN069210.D Init. Calib. Date(s): 10/12/2021 10/12/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:54 12:40

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.666	0.718		7.81	20
o-Xylene	0.667	0.712		6.75	20
Styrene	1.086	1.190		9.58	20
Bromoform	0.297	0.299	0.1	0.67	20
Isopropylbenzene	4.162	4.462		7.21	20
1,1,2,2-Tetrachloroethane	1.203	1.369	0.3	13.8	20
1,3-Dichlorobenzene	1.592	1.757		10.36	20
1,4-Dichlorobenzene	1.580	1.705		7.91	20
1,2-Dichlorobenzene	1.546	1.663		7.57	20
1,2-Dibromo-3-Chloropropane	0.232	0.255		9.91	20
1,2,4-Trichlorobenzene	0.686	0.816		18.95	20
1,2,3-Trichlorobenzene	0.650	0.781		20.15	20
1,2-Dichloroethane-d4	0.659	0.667		1.21	20
Dibromofluoromethane	0.291	0.298		2.4	20
Toluene-d8	1.164	1.197		2.84	20
4-Bromofluorobenzene	0.439	0.466		6.15	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date/Time: 10/28/2021 22:18

Lab File ID: VN069265.D Init. Calib. Date(s): 10/28/2021 10/28/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:18 15:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.567		13.63	20
Chloromethane	0.561	0.595	0.1	6.06	20
Vinyl Chloride	0.658	0.708		7.6	20
Bromomethane	0.420	0.462		10	20
Chloroethane	0.436	0.471		8.03	20
Trichlorofluoromethane	0.887	1.091		23	20
1,1,2-Trichlorotrifluoroethane	0.470	0.477		1.49	20
1,1-Dichloroethene	0.450	0.471		4.67	20
Acetone	0.308	0.278		-9.74	20
Carbon Disulfide	1.198	1.148		-4.17	20
Methyl tert-butyl Ether	1.769	1.853		4.75	20
Methyl Acetate	1.045	1.098		5.07	20
Methylene Chloride	0.590	0.568		-3.73	20
trans-1,2-Dichloroethene	0.508	0.498		-1.97	20
1,1-Dichloroethane	0.951	0.997	0.1	4.84	20
Cyclohexane	0.966	0.929		-3.83	20
2-Butanone	0.437	0.456		4.35	20
Carbon Tetrachloride	0.444	0.458		3.15	20
cis-1,2-Dichloroethene	0.600	0.624		4	20
Bromochloromethane	0.476	0.422		-11.35	20
Chloroform	1.034	1.095		5.9	20
1,1,1-Trichloroethane	0.915	0.962		5.14	20
Methylcyclohexane	0.534	0.526		-1.5	20
Benzene	1.297	1.343		3.55	20
1,2-Dichloroethane	0.488	0.507		3.89	20
Trichloroethene	0.326	0.329		0.92	20
1,2-Dichloropropane	0.330	0.339		2.73	20
Bromodichloromethane	0.446	0.472		5.83	20
4-Methyl-2-Pentanone	0.502	0.538		7.17	20
Toluene	0.850	0.876		3.06	20
t-1,3-Dichloropropene	0.494	0.508		2.83	20
cis-1,3-Dichloropropene	0.520	0.538		3.27	20
1,1,2-Trichloroethane	0.341	0.353		3.52	20
2-Hexanone	0.387	0.402		3.88	20
Dibromochloromethane	0.331	0.359		8.46	20
1,2-Dibromoethane	0.350	0.372		6.29	20
Tetrachloroethene	0.319	0.318		-0.31	20
Chlorobenzene	0.984	0.985	0.3	0.1	20
Ethyl Benzene	1.793	1.851		3.23	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date/Time: 10/28/2021 22:18

Lab File ID: VN069265.D Init. Calib. Date(s): 10/28/2021 10/28/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:18 15:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.668	0.693		3.74	20
o-Xylene	0.672	0.692		2.98	20
Styrene	1.095	1.143		4.38	20
Bromoform	0.257	0.275	0.1	7	20
Isopropylbenzene	4.203	4.172		-0.74	20
1,1,2,2-Tetrachloroethane	1.342	1.354	0.3	0.89	20
1,3-Dichlorobenzene	1.725	1.656		-4	20
1,4-Dichlorobenzene	1.749	1.616		-7.6	20
1,2-Dichlorobenzene	1.681	1.632		-2.91	20
1,2-Dibromo-3-Chloropropane	0.263	0.267		1.52	20
1,2,4-Trichlorobenzene	0.859	0.731		-14.9	20
1,2,3-Trichlorobenzene	0.866	0.738		-14.78	20
1,2-Dichloroethane-d4	0.722	0.777		7.62	20
Dibromofluoromethane	0.312	0.325		4.17	20
Toluene-d8	1.246	1.325		6.34	20
4-Bromofluorobenzene	0.470	0.498		5.96	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date/Time: 10/29/2021 10:15

Lab File ID: VN069290.D Init. Calib. Date(s): 10/28/2021 10/28/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:18 15:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.532		6.61	20
Chloromethane	0.561	0.526	0.1	-6.24	20
Vinyl Chloride	0.658	0.627		-4.71	20
Bromomethane	0.420	0.432		2.86	20
Chloroethane	0.436	0.407		-6.65	20
Trichlorofluoromethane	0.887	1.004		13.19	20
1,1,2-Trichlorotrifluoroethane	0.470	0.469		-0.21	20
1,1-Dichloroethene	0.450	0.424		-5.78	20
Acetone	0.308	0.319		3.57	20
Carbon Disulfide	1.198	1.029		-14.11	20
Methyl tert-butyl Ether	1.769	1.630		-7.86	20
Methyl Acetate	1.045	0.908		-13.11	20
Methylene Chloride	0.590	0.505		-14.41	20
trans-1,2-Dichloroethene	0.508	0.462		-9.06	20
1,1-Dichloroethane	0.951	0.895	0.1	-5.89	20
Cyclohexane	0.966	0.866		-10.35	20
2-Butanone	0.437	0.410		-6.18	20
Carbon Tetrachloride	0.444	0.443		-0.22	20
cis-1,2-Dichloroethene	0.600	0.566		-5.67	20
Bromochloromethane	0.476	0.477		0.21	20
Chloroform	1.034	0.981		-5.13	20
1,1,1-Trichloroethane	0.915	0.875		-4.37	20
Methylcyclohexane	0.534	0.563		5.43	20
Benzene	1.297	1.286		-0.85	20
1,2-Dichloroethane	0.488	0.476		-2.46	20
Trichloroethene	0.326	0.323		-0.92	20
1,2-Dichloropropane	0.330	0.328		-0.61	20
Bromodichloromethane	0.446	0.452		1.35	20
4-Methyl-2-Pentanone	0.502	0.467		-6.97	20
Toluene	0.850	0.849		-0.12	20
t-1,3-Dichloropropene	0.494	0.502		1.62	20
cis-1,3-Dichloropropene	0.520	0.528		1.54	20
1,1,2-Trichloroethane	0.341	0.334		-2.05	20
2-Hexanone	0.387	0.371		-4.13	20
Dibromochloromethane	0.331	0.336		1.51	20
1,2-Dibromoethane	0.350	0.351		0.29	20
Tetrachloroethene	0.319	0.306		-4.07	20
Chlorobenzene	0.984	0.962	0.3	-2.24	20
Ethyl Benzene	1.793	1.808		0.84	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M4338 SAS No.: M4338 SDG No.: M4338

Instrument ID: MSVOA_N Calibration Date/Time: 10/29/2021 10:15

Lab File ID: VN069290.D Init. Calib. Date(s): 10/28/2021 10/28/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:18 15:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.668	0.686		2.69	20
o-Xylene	0.672	0.675		0.45	20
Styrene	1.095	1.122		2.47	20
Bromoform	0.257	0.256	0.1	-0.39	20
Isopropylbenzene	4.203	4.000		-4.83	20
1,1,2,2-Tetrachloroethane	1.342	1.208	0.3	-9.98	20
1,3-Dichlorobenzene	1.725	1.646		-4.58	20
1,4-Dichlorobenzene	1.749	1.605		-8.23	20
1,2-Dichlorobenzene	1.681	1.559		-7.26	20
1,2-Dibromo-3-Chloropropane	0.263	0.230		-12.55	20
1,2,4-Trichlorobenzene	0.859	0.769		-10.48	20
1,2,3-Trichlorobenzene	0.866	0.735		-15.13	20
1,2-Dichloroethane-d4	0.722	0.703		-2.63	20
Dibromofluoromethane	0.312	0.321		2.88	20
Toluene-d8	1.246	1.299		4.25	20
4-Bromofluorobenzene	0.470	0.495		5.32	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SHIPPING DOCUMENTS

CHEMTECH CHAIN OF CUSTODY RECORD

Page 1 of 5

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. M4337
COC Number 2033393

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: EA Engineering
ADDRESS: 269 W. Jefferson St.
CITY Syracuse STATE: NY ZIP: 13202
ATTENTION: Megan Miller
PHONE: 716 680 2618 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: National Headset Printing
PROJECT NO.: LOCATION: Babylon, NY
PROJECT MANAGER:
e-mail: mmiller@eaest.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): ~~Standard~~ _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other _____
- ☒ EDD FORMAT NYSDEC

ANALYSIS

1 VOC 8260C 2 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	DDC-5-PS	GW		X	10/19/21	1443	32	X									
2.	DDC-5-PD					1445		X									
3.	DDC-6-PS					1532		X									
4.	MW-3D (offsite)					1533		X									
5.	DDC-6-PD					1543		X									
6.	MW-3S (offsite)					1623		X									
7.	DDC-7-PS				10/20/21	0823		X									
8.	DDC-7-PD					0825		X									
9.	MW-2S (offsite)					0926		X									
10.	DDC-10-PD	W				0929		X									

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/22/21 1000	1.
2. FedEx	10-25-21 0700	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.9-C °C
Comments: * Prefix 152140 - before all sample ID's on labels

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

CHEMTECH
CHAIN OF CUSTODY RECORD

Page 2 of 5

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. M4337
COC Number 2033394

6 6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY:
ADDRESS: Same as
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER: Paige
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

VOC 8260C

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A,E									← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	DDC-10-PS	GW		X	10/22/21	0936	32	X									
2.	MW-2D (offsite)					1002		X									
3.	DDC-8-PS					1038		X									
4.	DDC-8-PD					1038		X									
5.	DDC-9-PD					1130		X									
6.	DDC-9-PS					1135		X									
7.	MW-1S (offsite)					1239		X									
8.	MW-1D (offsite)					1300	96	X									MS/MSD
9.	DDC-2-PD					1357	32	X									
10.	DDC-2-PS					1401		X									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/22/21 1000	1.
2. FedEx	10-25-21 0700	2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 5.9°C °C
Comments:

Page ____ of ____

CLIENT: ❑ Hand Delivered ❑ Other _____
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

Page 3 of 5

CHAIN OF CUSTODY RECORD

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CHEMTECH PROJECT NO.
QUOTE NO. M4338

COC Number 2033395

6 6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:
ADDRESS:
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

Same as Page 1

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced ❑ US EPA CLP
- ❑ NYS ASP A ❑ NYS ASP B
- ❑ Other _____
- ❑ EDD FORMAT _____

ANALYSIS

VOC 8260C

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A,E	1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-35 (onsite)	GW		X	10/20/21	1405	3	X										
2.	MW-5S					1448		X										
3.	MW-5D					1455		X										
4.	MW-3D (onsite)					1516		X										
5.	MW-6S					1538		X										
6.	MW-2D (onsite)					1555		X										
7.	MW-2S (onsite)					1608		X										
8.	MW-2A					1625		X										
9.	MW-2AD					1705		X										
10.	MW-15D				10/21/21	0847	9	X										MS/MSD

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
1. RELINQUISHED BY SAMPLER:	10/22/21 1000	1.
2. RELINQUISHED BY SAMPLER: FedEx	10-25-21 0700	2.
3. RELINQUISHED BY SAMPLER:		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 5.9°C °C
Comments:

Page ____ of ____

CLIENT: ❑ Hand Delivered ❑ Other _____
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

2/6/20

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

Page 4 of 5

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www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. M4338
COC Number 2033396

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:
ADDRESS:
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

same as Page 1

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced ❑ US EPA CLP
- ❑ NYS ASP A ❑ NYS ASP B
- ❑ Other _____
- ❑ EDD FORMAT _____

ANALYSIS

VOC 8260C

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A,E									← Specify Preservatives
1.	MW-15 (onsite)	GW		X	10/21/21	0848	3	X									A-HCl D-NaOH
2.	MW-14D					0903		X									B-HN03 E-ICE
3.	MW-1D (onsite)					0922		X									C-H2SO4 F-OTHER
4.	MW-15S					0939		X									
5.	MW-14S					0941		X									
6.	DDC-4-PD					1014		X									
7.	DDC-4-PS					1030		X									
8.	FD-01				10/20/21	—		X									
9.	FD-02				10/20/21	—		X									
10.	RB-10192021				10/19/21	1630		X									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. FedEx	10-25-21 0700	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 5.9 °C
Comments:

Page ____ of ____

CLIENT: ❑ Hand Delivered ❑ Other _____
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

2/6/20

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

Page 5 of 5

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www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. M4338
COC Number 2033397

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:
ADDRESS:
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

Same as Page 1

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced ❑ US EPA CLP
- ❑ NYS ASP A ❑ NYS ASP B
- ❑ Other _____
- ❑ EDD FORMAT _____

ANALYSIS

VOC 8260C

PRESERVATIVES

A,E

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

Lab prepared

	CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1.		RB-10202021	GW		X	10/20/21	1635	3/2	X								
2.		RB-10212021	"		"	10/21/21	1030	3/2	X								
3.		TB	Water			10/7/21		2									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/22/21 1000	1.
2. Fed Ex	10-25-21 0700	2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 5.9°C °C
Comments:

Page ____ of ____

CLIENT: ❑ Hand Delivered ❑ Other _____
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

2/6/20

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-21-14

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : M4338 EAEN05 **Order Date :** 10/25/2021 9:11:00 AM **Project Mgr :**
Client Name : EA Engineering Science & ' **Project Name :** NYSDEC - National Heatse **Report Type :** NYS ASP B
Client Contact : Emily Cummings **Receive DateTime :** 10/25/2021 7:00:00 AM **EDD Type :** NYSDEC EDD V-4
Invoice Name : EA Engineering Science & ' **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Emily Cummings **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
M4338-01	~~MW-3S(NOSITE)~~ MW-3S(ONSITE) SB 10-27-21	Water	10/20/2021	14:05					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-02	MW-5S	Water	10/20/2021	14:48					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-03	MW-5D	Water	10/20/2021	14:55					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-04	MW-3D(ONSITE)	Water	10/20/2021	15:16					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-05	MW-6S	Water	10/20/2021	15:38					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-06	MW-2D(ONSITE)	Water	10/20/2021	15:55					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-07	MW-2S(ONSITE)	Water	10/20/2021	16:08					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-08	MW-2A	Water	10/20/2021	16:25					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-09	MW-2AD	Water	10/20/2021	17:05					

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : M4338 EAEN05 **Order Date :** 10/25/2021 9:11:00 AM **Project Mgr :**
Client Name : EA Engineering Science & **Project Name :** NYSDEC - National Heatse **Report Type :** NYS ASP B
Client Contact : Emily Cummings **Receive DateTime :** 10/25/2021 7:00:00 AM **EDD Type :** NYSDEC EDD V-4
Invoice Name : EA Engineering Science & **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Emily Cummings **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
M4338-10	MW-15D	Water	10/21/2021	08:47						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
M4338-11	M4338-10MS	Water	10/21/2021	08:47						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
M4338-12	M4338-10MSD	Water	10/21/2021	08:47						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
M4338-13	MW-15(ONSITE)	Water	10/21/2021	08:48						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
M4338-14	MW-14D	Water	10/21/2021	09:03						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
M4338-15	MW-1D(ONSITE)	Water	10/21/2021	09:22						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
M4338-16	MW-15S	Water	10/21/2021	09:39						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
M4338-17	MW-14S	Water	10/21/2021	09:41						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : M4338 EAEN05
Client Name : EA Engineering Science &
Client Contact : Emily Cummings
Invoice Name : EA Engineering Science &
Invoice Contact : Emily Cummings

Order Date : 10/25/2021 9:11:00 AM
Project Name : NYSDEC - National Heatse
Receive DateTime : 10/25/2021 7:00:00 AM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
M4338-18	DDC-4-PD	Water	10/21/2021	10:14					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-19	DDC-4-PS	Water	10/21/2021	10:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-20	FD-01	Water	10/20/2021	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-21	FD-02	Water	10/20/2021	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-22	RB-10192021	Water	10/19/2021	16:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-23	RB-10202021	Water	10/20/2021	16:35					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-24	~~RB-10202021~~ RB-10212021	Water	10/21/2021	10:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
M4338-25	SB 10-27-21 TB	Water	10/07/2021	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	M4338 EAEN05	**Order Date :**	10/25/2021 9:11:00 AM	**Project Mgr :**	
Client Name :	EA Engineering Science & '	**Project Name :**	NYSDEC - National Heatse	**Report Type :**	NYS ASP B
Client Contact :	Emily Cummings	**Receive DateTime :**	10/25/2021 7:00:00 AM	**EDD Type :**	NYSDEC EDD V-4
Invoice Name :	EA Engineering Science & '	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Emily Cummings			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : CP

Date / Time : 10/25/21 1030

Received By :

Date / Time : 10.25-21 10:30

Storage Area : VOA Refridgerator Room

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