

24 August 2021

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 (April–June 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 (EA 2013),¹ which includes the Operation & Maintenance (O&M) Manual for each system.

During the reporting period (April–June 2021), an O&M visit was performed on the following dates by EA.

¹ EA. 2013. *National Heatset Printing Co. State Superfund Site, Suffolk County, Town of Babylon, New York. Site Management Plan. Final.* June.

Site Visit and System Maintenance Log

Date	System	Purpose	Personnel
4/19 – 4/20/2021	Onsite and offsite	Quarterly visit. Conducted O&M on DDC System #2 and offsite treatment system. Restarted SVE System and collected O&M readings. Collected quarterly vapor samples from the SVE system, DDC System #2 and offsite treatment system. Collected quarterly groundwater samples.	EA
5/19/2021	Onsite and offsite	Monthly visit. Conducted O&M on SVE System. Restarted offsite treatment system and DDC System #2 and conducted O&M.	EA
06/15/2021	Onsite and offsite	Monthly Visit. Conducted O&M on SVE System and offsite treatment system. Restarted and collected O&M readings for DDC System #2 and conducted O&M.	EA

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

1. SYSTEM OPERATION

1.1 SOIL VAPOR EXTRACTION

The SVE system was operational for a total of 1,946 hours out of an available 1,966 hours (99 percent of the total available) from April to June 2021. The SVE system was shut down upon arrival due to the system manually being turned off prior to the 19 April 2021 site visit. The SVE system was restarted during the site visit. 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 (April–June 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 was shut down on 20 March 2018 upon arrival due to a malfunction of the moisture separator. The system was considered non-operational until May 2019 by which time the moisture separator had been replaced, the granular activated carbon tanks had been serviced and underwent media changeout, and electrical/control panel issues had been addressed.

EA attempted to restart the Onsite DDC System #1 during the May 2019 O&M visit; however, 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 high-water table or water accumulation at the sump/system piping causing flow to “dead head”. During the August and September 2019 monthly visits, EA performed further troubleshooting on the Onsite DDC Systems #1 and #2. At Onsite System #1 it was determined that the variable frequency drive was malfunctioning, therefore EA recommended replacement. EA also attempted to restart Onsite DDC System #2 in August 2019 but was unsuccessful. In September 2019, Onsite DDC System #2 was determined to have a faulty belt tensioner and have an issue with the blower motor bearings. Both systems were left off pending repairs. EAR performed an assessment of both onsite DDC systems in March 2020 and identified no issues with DDC System #2. The system was restarted by EA on 26 January 2021. 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. DDC System #1 remains shut down.

During the 19 May and 15 June 2021 site visits, DDC System #2 was shut down upon arrival due to a high water table level. The DDC System #2 was restarted both times. DDC System #2 ran for a total of 1,335 out of 1,967 hours (68 percent of the total available hours).

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 running during the April and June 2021 O&M visits. It was shut down upon arrival during the May 2021 O&M visit. The system was restarted upon arrival.

The offsite DDC system operated using Blower B-502 during this operational period. Blower B-501 was not operated due to the touch screen issues with the programmable logic control panel that occurred when restarting the system during the January 2021 quarterly sampling event. The offsite DDC system was operational for a total of 1,458 hours out of an available 1,971.25 hours (74 percent of total available).

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 April–June 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 224 cubic feet/minute, at an average applied vacuum of 71 inches of water. Vapor points at 1 Adams Boulevard were monitored during the April, May, and June 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 April–June 2021 operating period. Operational data is summarized in Tables 2B and 2C.

2.3 OFFSITE DDC SYSTEM

System measurements were collected from the Offsite DDC System and Blower B-502. The operation data collected is summarized in Table 2E. Only Blower B-502 was operational during the April–June 2021 operating period; therefore, no data was collected for Blower B-501 (Table 2D).

3. GROUNDWATER MONITORING

Groundwater monitoring activities performed during the January 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 (EA 2013);¹ additional samples were collected from onsite monitoring wells MW-2S and MW-2D due to elevated concentrations in samples collected by EAR in 2020. Groundwater samples were obtained from the onsite and offsite wells from 19 to 20 April 2021. Duplicate samples were obtained from wells DDC-10-PS (sample number “152140-FD-01,” collected on 19 April 2021) and MW-2D (onsite) (sample number “152140-FD-02,” collected on 20 April 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 April 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#2 air samples were collected on 20 April 2021 as part of the quarterly monitoring event. EA personnel collected grab air samples from influent #1, influent #2, and effluent using Summa[®] canisters and submitted the samples to Chemtech for analysis for VOCs via EPA Method TO-15. Onsite DDC System #1 was not sampled during the reporting period as the system had not been operating prior to the monitoring event.

4.3 OFFSITE DDC SYSTEM

The offsite DDC system was sampled during the April 2021 quarterly event. EA personnel collected grab air samples from the system influent, intermediate #1, intermediate #2 and effluent using Summa[®] canisters and submitted the samples to Chemtech for analysis for VOCs via EPA Method TO-15. Sample results are presented in Table 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 groundwater elevations collected from seven onsite monitoring well locations. Onsite shallow groundwater elevations ranged from 43.19 feet (ft) above mean sea level (AMSL) in MW-15S to 51.00 ft AMSL in DDC-4-PS. Figure 6 shows groundwater elevations collected from three offsite monitoring well locations. Offsite shallow groundwater elevations ranged from 27.72 ft AMSL in DDC-5-PS to 33.04 ft AMSL in DDC-8-PS. Gauging data are provided in Table 3, and 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 April 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 four of the seven deep monitoring wells (MW-2AD, MW-2D, MW-5D, and MW-15D) and one of the two deep DDC piezometers (DDC-2-PD) sampled during this monitoring event. The samples collected from MW-14S and MW-15S were the only 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 April 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). *Cis*-1,2-DCE was detected at a concentration equal to the corresponding AWQS in one of the six shallow DDC piezometers (DDC-6-PS). There were no exceedances of the AWQS for PCE, TCE, or *cis*-1,2-DCE in any of the shallow monitoring wells.

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 each system (i.e., SVE, Onsite DDC System #2, and Offsite DDC) as long as groundwater conditions allow. Onsite DDC System #1 requires repairs and troubleshooting before it can be restarted; however, 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 (April 2021)
- 6 Offsite Groundwater Flow Direction (April 2021)
- 7 Onsite Groundwater Quality (April 2021)
- 8 Offsite Groundwater Quality (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 – January 2021
- 4A Summary of Detected Volatile Organic Compounds in Onsite Groundwater Samples Quarterly Sampling Event (April 2021)
- 4B Summary of Detected Volatile Organic Compounds in Offsite Groundwater Samples Quarterly Sampling Event (April 2021)

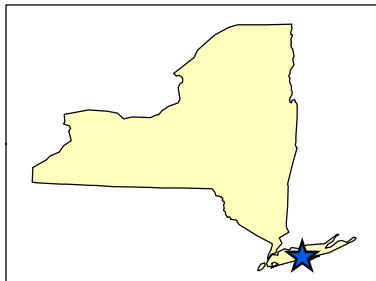
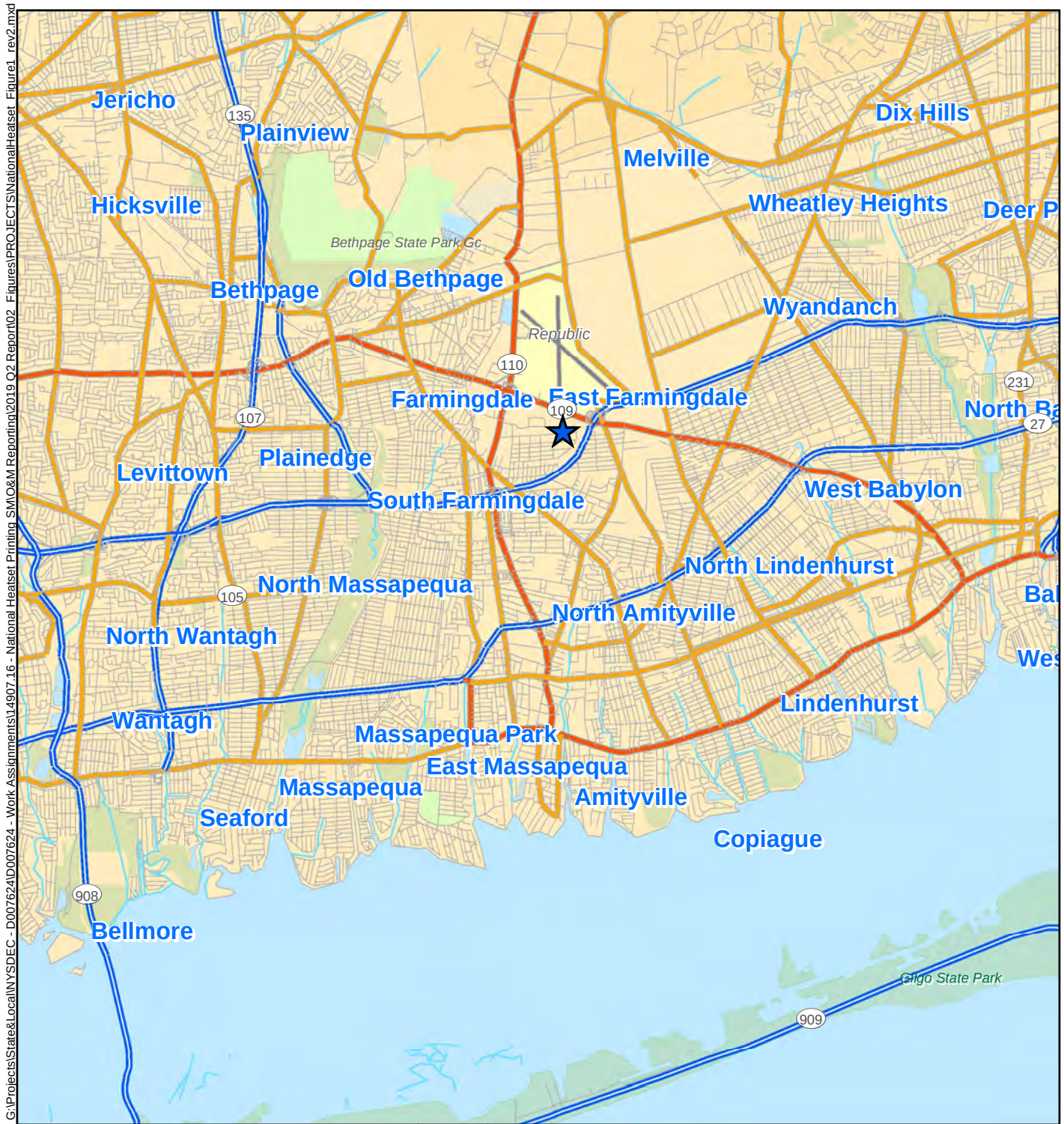
Attachments

- 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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Legend
 ★ Site Location

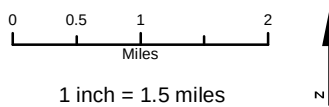
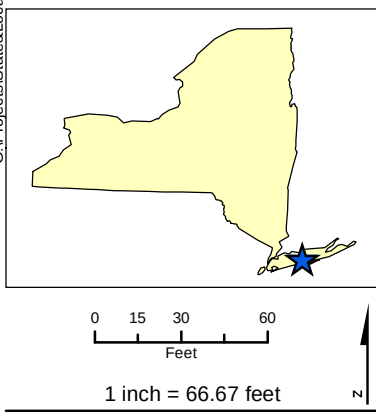
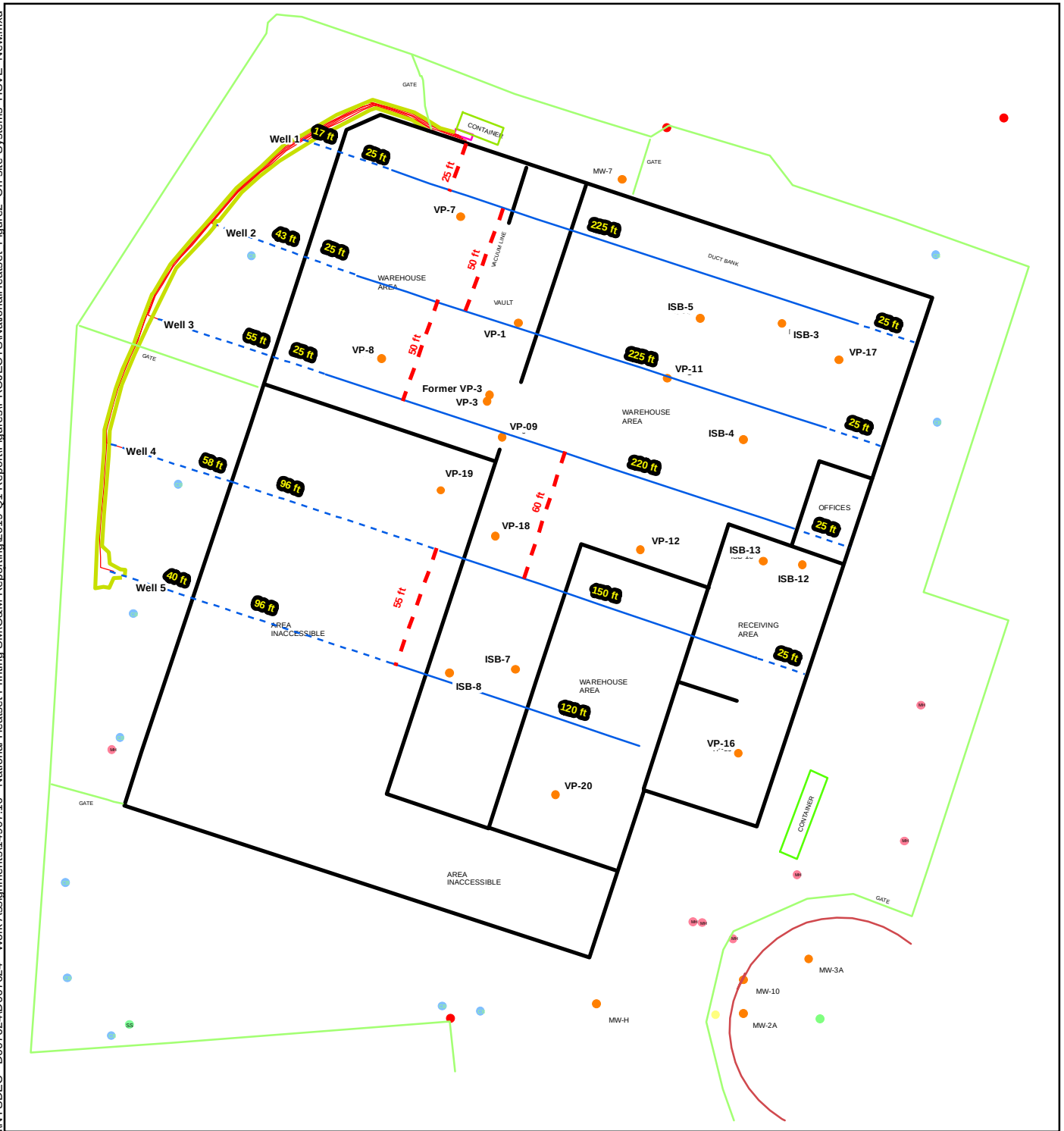


Figure 1
SITE LOCATION MAP
 NATIONAL HEATSET SITE (152140)
 BABYLON, NEW YORK
 SUFFOLK COUNTY

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

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- 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

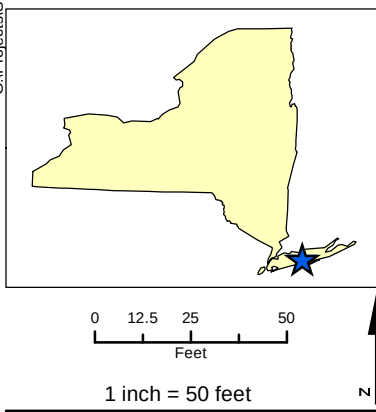
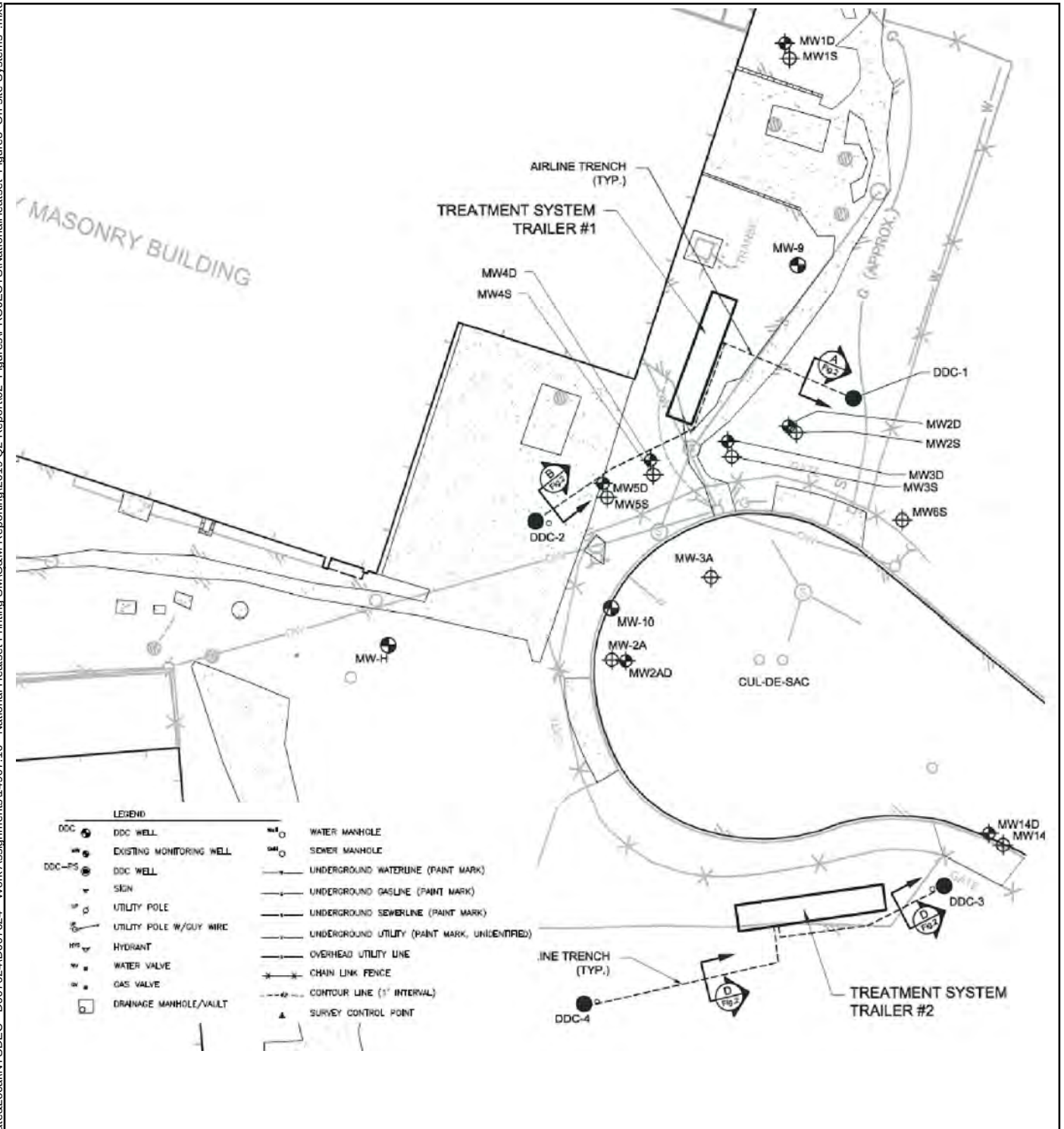
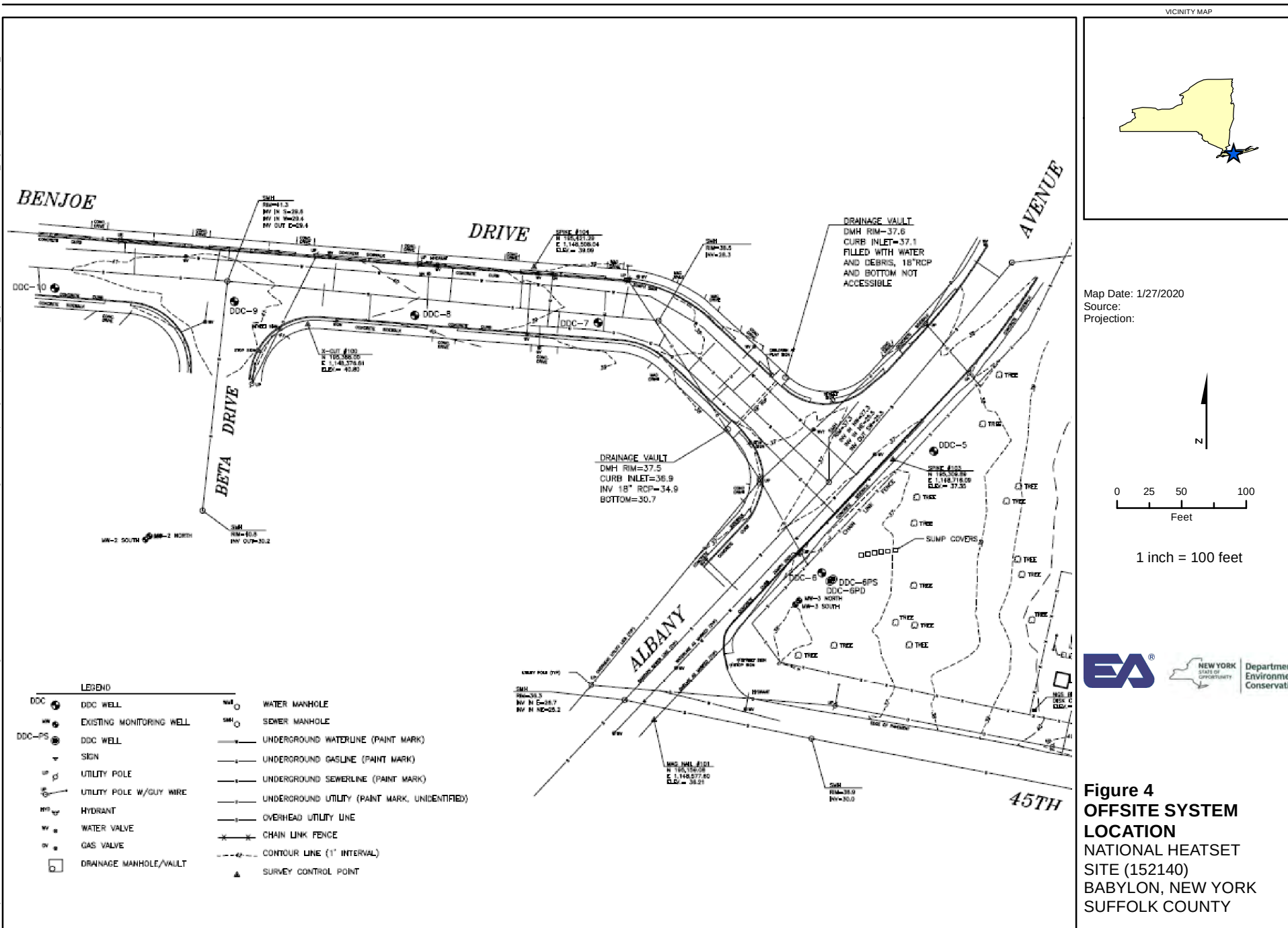


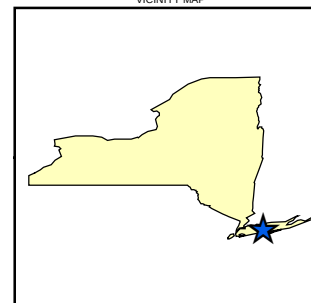
Figure 3
ONSITE TREATMENT SYSTEM LOCATION
 DDC #1 and DDC #2
 NATIONAL HEATSET SITE (152140)
 BABYLON, NEW YORK
 SUFFOLK COUNTY

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





VICINITY MAP



Monitoring Wells



Approximate Groundwater Elevation



Approximate Groundwater Flow Direction



0 30 60
Feet

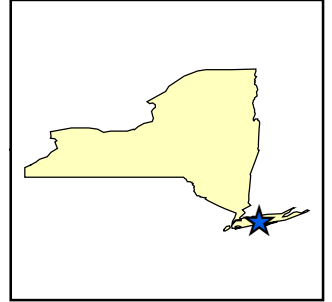
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Figure 5
ONSITE GROUNDWATER
FLOW DIRECTION
(APRIL 2021)
NATIONAL HEATSET
SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY



VICINITY MAP



Monitoring
Wells



Approximate
Groundwater
Elevation



Approximate
Groundwater
Flow Direction



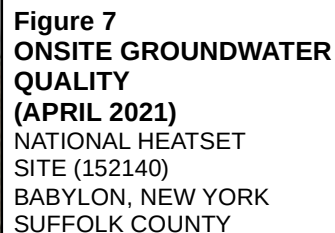
0 40 80
Feet

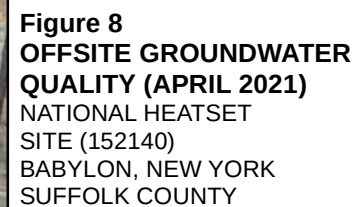
Map Date: 5/25/2021



Department of
Environmental
Conservation

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





Tables

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Table 1 Treatment System Runtime																											
System Readings																											
Date	Notes	SVE System					Onsite DDC Treatment System										Offsite DDC Treatment System										
		SVE Blower					System #1					System #2					Blower B-501					Blower B-502					
		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	
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											
	SVE Blower Flow Rate (cfm)	Applied Vacuum (in. H ₂ O)	System Discharge VOC Concentration (ppmv)		SYS INFLUENT			SYS EFFLUENT			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)						
					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)																		
01/10/19	185	70	--	21	2.80	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0019	0.9788	0.0001	0.0385	0.000	0.0157						
02/19/19	185	70	--	40	2.20	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0015	1.4648	0.0001	0.0613	0.000	0.0333						
03/26/19	185	70	--	35	2.60	0.12	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0018	1.5147	0.0001	0.0699	0.000	0.0262						
04/17/19	175	77	0.04	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
05/23/19	175	75	0.00	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
06/26/19	185	71	0.00	34	4.60	0.21	0.07	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.000	0.0349						
07/23/19	155	80	0.00	27	7.00	0.34	0.11	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.0041	2.6358	0.0002	0.1280	0.000	0.0389						
08/27/19	185	72	0.00	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
09/18/19	155	72	0.00	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
10/03/19	175	75	0.00	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
11/05/19	175	75	0.00	33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
12/05/19	160	80	0.00	30	2.70	0.16	0.04	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	0.0151						
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
PERIOD TOTALS =																	0.01		0.000		0.03		0.002		0.001		-0.022	
NOTES: SVE = Soil vapor extraction cfm = Cubic foot (feet) per minute in. H ₂ O = 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					
	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H ₂ O)	System Influent VOC Concentration (ppmv)		SYS1-INF1			SYS1-MIDGAC			SYS1-EFF			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)
					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)						
01/10/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/19/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/17/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/27/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/18/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/05/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PERIOD TOTALS =															--	--	--	--	--
NOTES: cfm = Cubic foot (feet) per minute VOC = Volatile organic compound in. H ₂ O = 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					
	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H ₂ O)	System Influent VOC Concentration (ppmv)		SYS2-INF1			SYS2-INF2			SYS2-EFF			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)
					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)						
01/10/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/19/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/17/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/27/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/18/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/05/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/15/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/01/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/07/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/09/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PERIOD TOTALS =																			
NOTES: cfm = Cubic foot (feet) per minute VOC = Volatile organic compound in. H ₂ O = 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								
	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H ₂ O)	System Influent VOC Concentration (ppmv)		B501-INF1			B501-INTER1			B501-INTER2			B501-EFF			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)			
					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)									
01/10/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
02/19/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
03/26/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
04/17/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
05/23/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
06/26/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
07/23/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
08/27/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
09/18/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
10/03/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
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03/24/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
04/14/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
05/07/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
06/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
07/09/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
08/03/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
09/02/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
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11/04/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
12/08/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
01/26/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
02/24/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
03/25/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
04/19/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
05/19/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
06/15/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
PERIOD TOTALS =																							--	--	--
NOTES: cfm = Cubic foot (feet) per minute VOC = Volatile organic compound in. H ₂ O = 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										
	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H ₂ O)	System Influent VOC Concentration (ppmv)		B502-INF1			B502-INTER1			B502-INTER2			B502-EFF			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)					
					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)											
01/10/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
02/19/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/26/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/17/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
05/23/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
06/26/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
07/23/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
08/27/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
09/18/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
10/03/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
11/05/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
12/05/19	488	50	56.000	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
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	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	-0.0009	0.0000	0.0042	-0.0003	-0.5763					
05/19/21	706	66	d	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
06/15/21	2999	66	0.000	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
PERIOD TOTALS =																							-0.001	0.004		-0.576	
NOTES: cfm = Cubic (foot) feet per minute VOC = Volatile organic compound in. H ₂ O = 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 (April 2021)

Onsite				Offsite			
Well ID	DTW	Top of Casing	ft AMSL	Well ID	DTW	Top of Casing	ft AMSL
MW-1S	14.16	57.83	43.67	MW-1S	6.24	36.88	30.64
MW-1D	NS	58.17	NS	MW-1D	7.06	36.86	29.80
MW-2A	14.33	58.20	43.87	MW-2S	10.50	40.34	29.84
MW-2AD*	15.08	58.51	43.43	MW-2D	10.65	40.39	29.74
MW-2S	14.66	58.22	43.56	MW-3S	7.37	35.87	28.50
MW-2D	14.44	58.23	43.79	MW-3D	6.75	35.82	29.07
MW-3S	14.89	58.60	43.71	DDC-5-PS	9.52	37.24	27.72
MW-3D	14.92	58.65	43.73	DDC-5-PD	12.18	37.24	25.06
MW-5S	13.34	56.88	43.54	DDC-6-PS	7.02	36.49	29.47
MW-5D	12.54	56.19	43.65	DDC-6-PD	7.17	36.51	29.34
MW-6S	14.41	58.08	43.67	DDC-7-PS	7.04	38.59	31.55
MW-14S	13.61	57.19	43.58	DDC-7-PD	8.82	38.59	29.77
MW-14D	14.00	57.31	43.31	DDC-8-PS	6.83	39.87	33.04
MW-15S	14.1	57.29	43.19	DDC-8-PD	11.36	39.87	28.51
MW-15D	14.15	57.25	43.1	DDC-9-PS	7.93	41.37	33.44
DDC-2-PS	12.20	56.70	44.50	DDC-9-PD	11.13	41.37	30.24
DDC-2-PD	12.33	56.70	44.37	DDC-10-PS	8.00	40.56	32.56
DDC-4-PS	5.50	56.50	51.00	DDC-10-PD	8.67	40.56	31.89
DDC-4-PD	12.8	56.50	43.7				
Static water levels gauged before purging onsite and offsite wells.							
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 (April 2021)

Parameters List EPA Method 8260B	Sample ID	MW-1D		MW-1S		MW-2A		MW-2AD		MW-2D		152140-FD-02		MW-2S		MW-3D		MW-3S		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Duplicate		Groundwater		Groundwater		Groundwater		
	Sample Date	4/20/2021		4/20/2021		4/20/2021		4/20/2021		4/20/2021		4/20/2021		4/20/2021		4/20/2021		4/19/2021		
Acetone	(µg/L)	4.00	J	2.60	J	3.80	J	4.70	J	4.10	J	(<5)	U	3.40	J	(<5)	U	(<5)	U	50 (s)
cis - 1,2-Dichloroethene	(µg/L)	(<1)	U	(<1)	U	1.1		11.1		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene (TCE)	(µg/L)	1.3		(<1)	U	(<1)	U	5.5		1.3		1.1		(<1)	U	(<1)	U	0.29	J	5 (s)
Tetrachloroethene (PCE)	(µg/L)	1.2		0.7	J	0.93	J	4.8		20.2		24.4		1.7		2.5		1.1		5 (s)
Carbon Tetrachloride	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
1,4-Dichlorobenzene	(µg/L)	(<1)	U	(<1)	U	1.3		(<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	(<1)	U	(<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	4/20/2021		4/20/2021		4/19/2021		4/20/2021		4/20/2021		4/20/2021		4/20/2021		4/20/2021		4/20/2021		
Acetone	(µg/L)	4.40	J	4.90	J	(<5)	U	(<5)	U	(<5)	U	(<5)	U	2.80	J	(<5)	U	3.60	J	50 (s)
cis - 1,2-Dichloroethene	(µg/L)	2		(<1)	U	(<1)	U	(<1)	U	0.35	J	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene (TCE)	(µg/L)	2.5		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	1.3		(<1)	U	5 (s)
Tetrachloroethene (PCE)	(µg/L)	90.2		0.84	J	0.62	J	0.45	J	27.3		52.5		31.7		800	E	1.7		5 (s)
Carbon Tetrachloride	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	1.4		(<1)	U	5 (s)
1,4-Dichlorobenzene		(<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	0.53	J	0.55	J	0.66	J	0.76	J	(<1)	U	7 (s)
Parameters List EPA Method 8260B	Sample ID	DDC-4-PD		DDC-4-PS																NYSDEC AWQS (µg/L)
	Sample Type	Duplicate		Groundwater																
	Sample Date	4/20/2021		4/20/2021																
Acetone	(µg/L)	(<5)	U	(<5)	U															50 (s)
cis - 1,2-Dichloroethene	(µg/L)	(<1)	U	(<1)	U															5 (s)
Trichloroethene	(µg/L)	(<1)	U	(<1)	U															5 (s)
Tetrachloroethene	(µg/L)	2.3		4.5																5 (s)
Carbon Tetrachloride	(µg/L)	(<1)	U	(<1)	U															5 (s)
1,4-Dichlorobenzene	(µg/L)	(<1)	U	(<1)	U															3(s)
Chloroform	(µg/L)	(<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 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 (April 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	4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		
Acetone	(µg/L)	2.6	J	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	50 (s)
cis - 1,2-Dichloroethene	(µg/L)	17.6		(<1)	U	3		1.6		13.6		(<1)	U	3.2		4.3		4.2		5		5 (s)
Trichloroethene	(µg/L)	6		(<1)	U	(<1)		(<1)	U	3.9		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Tetrachloroethene	(µg/L)	18.9		(<1)	U	(<1)		(<1)	U	7.7		(<1)	U	1		1.4		(<1)	U	(<1)	U	5 (s)
Chloroform	(µg/L)	0.28	J	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	7 (s)
Toluene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	0.42	J	(<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		152140-FD-01			NYSDEC AWQS (µg/L)	
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Duplicate				
	Sample Date	4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021		4/19/2021				
Acetone	(µg/L)	(<5)	U	2.6	J	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U		50 (s)	
cis - 1,2-Dichloroethene	(µg/L)	1.7		4		3		3.3		(<1)	U	3		(<1)	U	2.9		3.10			5 (s)	
Trichloroethene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	J	(<1)	U	(<1)	U		5 (s)	
Tetrachloroethene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U		5 (s)	
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	0.29	J	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<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		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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National Heatset Printing
1 Adams Boulevard, Farmingdale, New York
EA Engineering

Personnel: D. Howe Time: 1127
Weather: Sunny, 60s Date: 4/19/2021

System Status:

Arrival: Running OFF
Departure: Running
Run Timer Reading: 52126.32
Electric Meter Reading: -

System Data:

Extraction Well F Gate Valve: 100 % Open
Dilution Valve: 0 % Open

Blower Inlet (Extraction Well)

Flow: 173.35 CFM
Vacuum: 0 "H2O
PID Reading: 3415 PPB
Temperature: 160 °F 123.6

Blower Outlet / Carbon Influent

Flow: 212.89 CFM
Pressure: 75 "H2O 0.001
PID Reading: 315 PPB
Temperature: 109.7 °F

SVE Effluent

Flow: 166.43 CFM
Pressure: 0.001 "H2O
PID Reading: 0 PPB
Temperature: 82.3 °F

Carbon Monitoring:

Pre: PPM
Mid: PPM
Effluent: PPB

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

Knockout Tank Drained? NO YES

Gallons:

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-G	MW-E	VP-1	VP-2	VP-3 (Former)	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
PID (ppb)			81		144	156	63	67		45	0	0		
Diff. Pressure (in. H2O)			-.007		-.004	-.004	-.142	-.203		-.165	-.112	*	-.326	
Well/V.P. ID:	VP-16	VP-17	VP-18	VP-19	VP-20									
PID (ppb)	440	466	564		9473									
Diff. Pressure (in. H2O)	-.078	-.051	-.608	*	-.511									

Comments: SVE system off upon arrival @ 0910. Blower HOA switch was in OFF position. Exposed wires on box on backside of SVE system attached to Verizon box. Verizon onsite @ 1052, removes box and wires. System restarted @ 1110.

* Covered by Pallet



SVE Blower Hours: 5212632		
Date: 4-19-2021		
Time: 1127		
Well ID	Flow	PID
5		
4		
3		
2		
1		
Combined Influent		
Combined Effluent		

* Unable to take readings due to water present in each line.

 4-19-2021

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

 Date: 4/19/2021

 Time: 1040

 Weather: Sunny, 53°

 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
	<u>49951.9</u>	<u>0</u> Hz

Temperature Monitoring

Time	Location	TI-ID	Temperature 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-JD	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/Recommendations

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

Date: 4/19/2021 Time: 1048 Weather: Sunny, 61°
 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	<u>64739.5</u>	<u>35.2 Hz</u>

Temperature Monitoring

Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
1020	Carbon Unit Inlet	CA01	<u>30</u>		Carbon Unit #1
1020	Pre-Heater	PHA01		<u>100</u>	After Shell and Tubing
1020	Blower Panel	B01		<u>165</u>	Exiting Blower
1020	After Cooler Outlet	AC01		<u>119</u>	Post Cooler Piping
1020	Pre-Heater	PHB01		<u>145</u>	Before Shell and Tubing

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
1020	Knock-Out Tank	T01	<u>0</u>	Vacuum gauge on knock-out tank
1020	Carbon-Unit #1 Outlet	CA1	<u>-7.5</u> in. Hg	Vacuum exiting GAC #1
1020	Discharge to Wells	WD2	<u>3.3</u> PSI	Pressure before splicing off to both wells
1020	Blower Panel	BP01	<u>-15</u> in. Hg	Vacuum coming off of blower
1020	Carbon Unit #2 Outlet	CA2	<u>-7</u> in. Hg	Vacuum exiting GAC #2
1020	DDC-3	N/A	<u>-</u> PSI	Pressure gauge on well head
1020	DDC-4	N/A	<u>-</u> PSI	Pressure gauge on well head

FLOW RATES

Time	Location	IF-ID	Flow (SCFM)	Comments
1042	Injected to DDC-3	WD01	<u>180</u>	
1342	Injection to DDC-4	WD02	<u>20</u>	

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1050	Influent #1	<u>687</u>		
1050	Influent #2	<u>782</u>		
1050	Effluent	<u>5</u>		

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/Recommendations

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

Date: 4/19/2021 Time: 1240 Weather: Sunny, 60°

B-501 Status on Arrival: ON / 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	338 31.4	0000 4.2	333 98.9	00041.4	0	0	12:55
VI-501	-22		IWC	VI-502	-66		IWC
SP-501	*		ppb / ppm	SP-502	*		ppb / ppm
TI-501	78		°F	TI-502	70		°F
VI-501A	-1		IWC	VI-502A	-1		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	100	7	72	214	0
DDC-10	110	6	76	341	0
DDC-09	125	7	80	562	0
DDC-08	130	6	80	552	0
DDC-07	125	6.5	100	520	0
DDC-06	110	6.5	75	473	0

DDC WELLHEAD OPERATING DATA

WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMENTS	MW ID	DTW (FT)
DDC-05	See Attached Well Gauging Log			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:

*Suction on all B-501 and B-502 sample ports

1240

Heatset O&M Well Gauging		
Onsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	14.16	30.51
MW-1D	*	*
Offsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	6.24	27.56
MW-1D	7.06	78.20
DDC-5S	9.52	30.10
DDC-5D	12.18	82.27
DDC-6S	7.02	29.66
DDC-6D	7.17	80.93
DDC-7S	7.04	23.13
DDC-7D	8.82	81.72
DDC-8S	6.83	26.25
DDC-8D	11.36	84.10
DDC-9S	7.93	28.62
DDC-9D	11.13	81.40
DDC-10S	8.00	28.00
DDC-10D	8.67	80.55

* well covered by dumpster

Entry/Exit Log with COVID-19 Acknowledgement

Project Name: National Heatset Printing

Project #: 1602518

New York State Department of Environmental Conservation's (DEC) objective is to provide a safe and healthy workplace. In response to COVID-19, DEC is prohibiting access to our work areas by those who pose an elevated risk of spreading COVID-19. By completing this site Entry/Exit log, you acknowledge your understanding of this policy and confirm that your health and travel history is NOT in one of the prohibited access groups listed below, and to the best of your knowledge, you do not pose an elevated risk of transmitting COVID-19 to others. Please leave the site immediately and follow recommendations from public health agencies and your healthcare provider if you fall into one of the prohibited access groups listed below:

- You are experiencing flu-like symptoms including but not limited to fever, chills, cough, sore throat, diarrhea, vomiting, runny/stuffy nose, muscle or body aches, headaches, fatigue.
- You have traveled to CDC-restricted destinations in the last 2 weeks including China, South Korea, Iran, United Kingdom & Ireland, all European Union countries, Switzerland and regions within the U.S. for which public health agencies have prohibited travel.
- You had direct contact with a person diagnosed with COVID-19 or suspected of having COVID-19 during the last 2 weeks.

[illegible]

National Heatset Printing
1 Adams Boulevard, Farmingdale, New York
EA Engineering

Personnel: D. Howe Time: 1101
Weather: 71° Sunny Date: 5/19/2021

System Status: Running
Arrival: Running
Departure: Running
Run Timer Reading: 528 45.88

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:	<u>*</u> CFM	Flow:	<u>70.06</u> CFM	Flow:	<u>994.39</u> CFM	Flow:	<u>879.34</u> CFM
Vacuum:	<u>70</u> "H2O	PID Reading:	<u>375</u> PPB	PID Reading:	<u>246</u> PPB	PID Reading:	<u>0</u> PPB
Temperature:	<u>178</u> °F	Temperature:	<u>162.2</u> °F	Temperature:	<u>177.2</u> °F	Temperature:	<u>120.3</u> °F

Carbon Monitoring:
Pre: _____ PPB
Mid: _____ PPB
Effluent: _____ PPB

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

Knockout Tank Drained? Yes
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	**	68		
Diff. Pressure (in. H2O)			-0.15		-0.202	-0.001	**	-0.242		-0.204	-0.135	**	-0.297		
Well/V.P. ID:	VP-16	VP-17	VP-18	VP-19	VP-20										
PID (ppb)	0	0	23	0	235										
Diff. Pressure (in. H2O)	-0.76	-0.080	-0.585	-0.536	-0.568										

Comments: * Blower inlet flow moved out Vapor Calc, unable to get reading.
** Unable to get reading due to well covered by pallet.



SVE Blower Hours: 52845.88		
Date: 5/19/2021		
Time: 1101		
Well ID	Flow	PID
5	*	0
4	**	**
3	**	**
2	669.25	1913
1	*	1635
Combined Influent		
Combined Effluent		

* Flow mapped VelociCalc reading.

** Unable to take readings due to water in line

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

Date: 5/19/2021 Time: 1140 Weather: Sunny, 85°
 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
	<u>49951.9</u>	Hz

Temperature Monitoring

Time	Location	TI-ID	Temperature 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/Recommendations

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

Date: 5/19/2021

Time: 1205

Weather: Sunny, 80°

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	<u>65165.1</u>	<u>35.2 Hz</u>

Temperature Monitoring

Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
1020	Carbon Unit Inlet	CA01	<u>20</u>		Carbon Unit #1
1020	Pre-Heater	PHA01		<u>73</u>	After Shell and Tubing
1020	Blower Panel	B01	<u>50</u>		Exiting Blower
1020	After Cooler Outlet	AC01		<u>81</u>	Post Cooler Piping
1020	Pre-Heater	PHB01		<u>92</u>	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	<u>-3.4</u> in. Hg	Vacuum exiting GAC #1
1020	Discharge to Wells	WD2	<u>3</u> PSI	Pressure before splicing off to both wells
1020	Blower Panel	BP01	<u>-0.14</u> in. Hg	Vacuum coming off of blower
1020	Carbon Unit #2 Outlet	CA2	<u>-2.5</u> 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	<u>170</u>	
1342	Injection to DDC-4	WD02	<u>50</u>	

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1050	Influent #1	<u>1563</u>		
1050	Influent #2	<u>1636</u>		
1050	Effluent	<u>0</u>		

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/Recommendations

System OFF upon arrival due to High Level KO Tank alarm. Emptied KO Tank and restarted system @ 1200.

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

 Date: 5/19/2021

 Time: 1415

 Weather: Sunny, 87°

 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	34068.3	41.4	0	0	-12:55 1415
VI-501	-10		IWC	VI-502	~~10~~ -24	IWC	
SP-501	0		ppb / ppm	SP-502	19	ppb / ppm	
TI-501	86		°F	TI-502	80	°F	
VI-501A	-24		IWC	VI-502A	-66	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	100	7	76	55.57	49
DDC-10	105	6	79	118.27	3
DDC-09	110	6.5	78	135.39	7
DDC-08	105	6	78	138.08	0
DDC-07	100	6	107	124.72	0
DDC-06	100	6	78	134.29	0

DDC WELLHEAD OPERATING DATA

WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMENTS	MW ID	DTW (FT)
DDC-05	See Attached Well Gauging Log			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	*	Intermediate	SP-403A	*
Intermediate #2	SP-401A	*	Intermediate	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 down upon arrival, no screen access to see alarm. Restarted system @ 1416.

* Sanction on all B-501 and B-502 sample ports

Heatset O&M Well Gauging		
Onsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	14.01	30.58
MW-1D	14.86	81.68
Offsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	6.53	23.56
MW-1D	7.25	84.95
DDC-5S	9.84	30.12
DDC-5D	12.66	81.98
DDC-6S	7.14	29.67
DDC-6D	7.63	80.75
DDC-7S	7.25	25.43
DDC-7D	8.93	82.10
DDC-8S	6.94	26.50
DDC-8D	11.40	84.25
DDC-9S	7.98	28.44
DDC-9D	11.30	80.75
DDC-10S	*	*
DDC-10D	*	*

* Well covered by vehicle

Entry/Exit Log with COVID-19 Acknowledgement

Project Name: National Heatset Printing

Project #: 1602518

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- You have traveled to CDC-restricted destinations in the last 2 weeks including China, South Korea, Iran, United Kingdom & Ireland, all European Union countries, Switzerland and regions within the U.S. for which public health agencies have prohibited travel.
- You had direct contact with a person diagnosed with COVID-19 or suspected of having COVID-19 during the last 2 weeks.

[illegible]

National Heatset Printing
1 Adams Boulevard, Farmingdale, New York
EA Engineering

Personnel: DH Time: 1100
Weather: Cloudy, 75° Date: 6/15/2021

System Status:
Arrival: Running
Departure: Running
Run Timer Reading: 53493.89

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

Blower Inlet (Extraction Well) Blower Outlet / Carbon Influent Mid SVE Effluent
Flow: 68 CFM Flow: 3363 CFM Flow: 3553 CFM
Vacuum: 68 "H2O PID Reading: 1315 PPB PID Reading: 0 PPB
Temperature: 172 °F Temperature: 1584 °F Temperature: 105.7 °F

Carbon Monitoring:
Pre: 1315 PPB
Mid: 662 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 (Former)	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
PID (ppb)			<u>0</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Diff. Pressure (in. H2O)			<u>0.006</u>		<u>-0.175</u>	<u>-0.014</u>	<u>-0.443</u>	<u>-0.265</u>	<u>-0.188</u>	<u>-0.127</u>	<u>**</u>	<u>**</u>	<u>**</u>	<u>**</u>
Well/V.P. ID:	VP-16	VP-17	VP-18	VP-19	VP-20									
PID (ppb)	<u>60</u>	<u>709</u>	<u>0</u>	<u>**</u>	<u>1777</u>									
Diff. Pressure (in. H2O)	<u>-0.088</u>	<u>-0.094</u>	<u>-0.629</u>	<u>**</u>	<u>-0.563</u>									

Comments: Velocities from PINE only able to read 40 min, not CFM.
** Value higher than probe maximum range.
** Well covered by pallet.



SVE Blower Hours: 53493.89		
Date: 6/15/2021		
Time: 1100		
Well ID	Flow	PID
5	*	0
4	1535	0
3	1224	0
2	2030	2553
1	*	3570
Combined Influent		
Combined Effluent		

Flow values in Ft/min, only flow velocities could read.

* Value beyond max for velocities.

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

Date: 6/15/2021 Time: 1543 Weather: Sunny, 85°

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
	<u>49951.9</u>	Hz

Temperature Monitoring

Time	Location	TI-ID	Temperature 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/Recommendations

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

Date: 6/15/2021 Time: 1228 Weather: Partly cloudy 74°
 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	<u>65477.5</u>	<u>35.2 Hz</u>

Temperature Monitoring

Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
1020	Carbon Unit Inlet	CA01	<u>30</u>		Carbon Unit #1
1020	Pre-Heater	PHA01		<u>100</u>	After Shell and Tubing
1020	Blower Panel	B01		<u>170</u>	Exiting Blower
1020	After Cooler Outlet	AC01		<u>120</u>	Post Cooler Piping
1020	Pre-Heater	PHB01		<u>145</u>	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	<u>-3</u> in. Hg	Vacuum exiting GAC #1
1020	Discharge to Wells	WD2	<u>3</u> PSI	Pressure before splicing off to both wells
1020	Blower Panel	BP01	<u>-13</u> in. Hg	Vacuum coming off of blower
1020	Carbon Unit #2 Outlet	CA2	<u>-2.5</u> 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	<u>186</u>	
1342	Injection to DDC-4	WD02	<u>26</u>	

VOC Monitoring (ppb)

Time	Location	PID VOC (ppb)	Temp. (F)	COMMENTS
1050	Influent #1	<u>712</u>	<u>90.2</u>	
1050	Influent #2	<u>3476</u>	<u>89.1</u>	
1050	Effluent	<u>0</u>	<u>84.8</u>	

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/Recommendations

1040: system shut down due to H₂ KO Level alarm. Emptied KO Tank.
 1051: Restarted system.

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

Date: 6/15/2021 Time: 1500 Weather: 80° 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	<u>3783.4</u>	<u>4.2</u>	<u>34256.0</u>	<u>41.4</u>	<u>0</u>	<u>0</u>	<u>12:55</u>
VI-501	<u>-10</u>		IWC	VI-502	<u>-24</u>		IWC
SP-501	<u>0</u>		ppb / ppm	SP-502	<u>0</u>		ppb / ppm
TI-501	<u>80</u>		°F	TI-502	<u>80</u>		°F
VI-501A	<u>-24</u>		IWC	VI-502A	<u>-66</u>		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	<u>120</u>	<u>7</u>	<u>80</u>	<u>102</u>	<u>0</u>
DDC-10	<u>125</u>	<u>5.5</u>	<u>82</u>	<u>906</u>	<u>0</u>
DDC-09	<u>135</u>	<u>6.5</u>	<u>88</u>	<u>510</u>	<u>0</u>
DDC-08	<u>140</u>	<u>6</u>	<u>88</u>	<u>603</u>	<u>0</u>
DDC-07	<u>135</u>	<u>6</u>	<u>>120</u>	<u>538</u>	<u>0</u>
DDC-06	<u>120</u>	<u>6</u>	<u>82</u>	<u>340</u>	<u>0</u>

DDC WELLHEAD OPERATING DATA

WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMENTS	MW ID	DTW (FT)
DDC-05	<u>See Attached Well Grouting Log</u>			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	<u>*</u>	Influent	SP-402B	<u>*</u>
Intermediate #1	SP-403B	<u>*</u>	Intermedia	SP-403A	<u>*</u>
Intermediate #2	SP-401A	<u>*</u>	Intermedia	SP-402A	<u>*</u>
Effluent	SP-501	<u>*</u>	Effluent	SP-502	<u>*</u>

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:

* Suction on all B-501 and B-502 sample ports.

Heatset O&M Well Gauging		
Onsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	14.60	30.60
MW-1D	14.99	81.70
Offsite		
Well ID	DTW (ft)	TD (ft)
MW-1S	6.65	**
MW-1D	7.38	**
DDC-5S	9.90	30.10
DDC-5D	12.73	82.29
DDC-6S	7.18	29.58
DDC-6D	7.68	81.04
DDC-7S	7.27	23.95
DDC-7D	8.99	82.20
DDC-8S	6.96	26.31
DDC-8D	11.41	84.15
DDC-9S	8.04	28.61
DDC-9D	11.35	81.35
DDC-10S	*	*
DDC-10D	*	*

* Well covered by vehicle
 ** Unable to get well depths with water level meter.

DAILY FIELD REPORT

Day: Monday

Date: 4/19/2021



Temperature: (F) 55 (am) 70 (pm)

Wind Direction: W (am) W (pm)

Project Name

National Heatset Printing

Weather: Sun (am)

(pm)

Sun

NYSDEC Site Number: 152140

Arrive at site 0730 (pm)

Leave site: 1730 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes ()

No (x)

Are monitoring results at acceptable levels?

Soil

Yes ()

n/a (x)

* No ()

Waters

Yes ()

n/a (x)

* No ()

Air

Yes ()

n/a (x)

* No ()

OTHER ITEMS:

- If No, provide comments

Site Sketch Attached: Yes () No (x)

Photos Taken: Yes () No (x)

DESCRIPTION OF DAILY WORK PERFORMED:

0730 EA Team arrive onsite for quarterly well sampling event, and system O&M to be completed over the coming days.

0750 Calibrated PIDs (capable of reading to ppb) before conducting synoptic gauging of all wells (both onsite and offsite)

0810 Begin gauging event, including site wells not being sampled.

1000 Complete synoptic gauging event

1015 Calibrate Horiba WQ meters before beginning sampling.

1110-1210 Setup and sampling of MW-3D/S offsite

1120-1205 Setup and sampling of DDC-6 PD/PS

1215-1250 Setup and sampling of DDC-5 PS/PD

1310-1410 Setup and sampling of DDC-10-PS/PD

1330-1435 Setup and sampling of MW-2S/D offsite

1420-1510 Setup and sampling of DDC-8-PD/PS

1500-1600 Setup and sampling of DDC-9-PD/PS

1515-1555 Setup and sampling of DDC-7-PS/PD

1615-1705 Setup and sampling of MW-1S/D offsite

1625-1650 Setup and sampling of MW-3S onsite

1655-1710 Setup and sampling of MW-6S

1730 EA team offsite.

DAILY FIELD REPORT

Day: Monday

Date: 4/19/2021

SAMPLING (Soil/Water/Air): Groundwater

Contractor Sample ID:

MW-3 D/S offsite

DDC-6 PD/PS

DDC-5 PD/PS

DDC-10-PS/PD

MW-2S/D offsite

DDC-8-PS/PD

DDC-9-PS/PD

DDC-7-PS/PD

MW-1S/D

MW-3S

MW-6S

Description:

GW samples

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Nicole Carfi, Danny Kite, Don Howe, Moriah Gilkey

Contractor equipment: PID, Peristaltic pump, Heron Skinny Dipper WLI, Horiba WQ meter

VISITORS TO SITE: NA

PROJECT SCHEDULE ISSUES:

- NA

PROJECT BUDGET ISSUES:

- NA

ITEMS OF CONCERN:

- .NA

COMMENTS:

DAILY FIELD REPORT

Day: Monday

Date:4/19/2021

ATTACHMENT(S) TO THIS REPORT:

- Synoptic gauging sheet
- Purge forms for MW-3S/D offsite, DDC-6 PD/PS, DDC-5 PD/PS, DDC-10-PS/PD, MW-2S/2D, DDC-8-PS/PD, DDC-9-PS/PD, DDC-7-PS/PD, MW-1S/1D, MW-3S, MW-6S

SITE REPRESENTATIVE:

Name: Danny Kite

Signature:

Photographic Log

[illegible]

DAILY FIELD REPORT

Day: Tuesday

Date: 4/20/2021



Temperature: (F) 55 (am) 70 (pm)

Wind Direction: W (am) W (pm)

Project Name

National Heatset Printing

Weather: Sun (am)

(pm)

Sun

NYSDEC Site Number: 152140

Arrive at site 0715 (pm)

Leave site: 1730 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes ()

No (x)

Are monitoring results at acceptable levels?

Soil

Yes ()

n/a (x)

* No ()

Waters

Yes ()

n/a (x)

* No ()

Air

Yes ()

n/a (x)

* No ()

OTHER ITEMS:

- If No, provide comments

Site Sketch Attached: Yes () No (x)

Photos Taken: Yes (x) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

0715 EA Team arrive onsite for completion of quarterly well sampling event, and air monitoring

0720 Calibrate Horiba WQ meters before beginning sampling

0740 Setup and sampling of MW-5D/S

0815-0920 Setup and sampling of DDC-2-PS/PD

0850-0920 Setup and sampling of MW-3D onsite

0930-1000 Setup and sampling of MW-2S/D onsite

1010-1040 Setup and sampling of MW-1S/D onsite

1050-1125 Setup and sampling of MW-2A/AD

1135-1210 Setup and sampling of MW-15S/D

1215-1240 Setup and sampling of DDC-4-PS/PD

1250-1400 Setup and sampling of MW-14S/D

1430 EA team offsite.

DAILY FIELD REPORT

Day: Tuesday

Date: 4/20/2021

SAMPLING (Soil/Water/Air): Groundwater

Contractor Sample ID:

MW-5 D/S offsite

DDC-2 PD/PS

MW-3D

MW-2D/S onsite

MW-1D/S onsite

MW-2A/AD

MW-15S/D

DDC-4-PS/PD

MW-14S/D

Description:

GW samples

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Nicole Carfi, Danny Kite, Don Howe, Moriah Gilkey

Contractor equipment: PID, Peristaltic pump, Heron Skinny Dipper WLI, Horiba WQ meter

VISITORS TO SITE: NA

PROJECT SCHEDULE ISSUES:

- NA

PROJECT BUDGET ISSUES:

- NA

ITEMS OF CONCERN:

- .NA

COMMENTS:

ATTACHMENT(S) TO THIS REPORT:

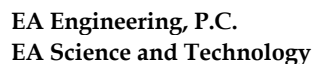
- Purge forms for MW-5S/D offsite, DDC-2 PD/PS, MW-3D, MW-2D/S onsite, MW-1D/S onsite, MW-2A/AD, MW-15D/S, DDC-4-PS/PD, MW-14/S/D

SITE REPRESENTATIVE:

Name: Danny Kite

Signature:

[illegible]



Well I.D.:	EA Personnel:	Client:
MW-1S (offsite)	S.Soldner/E.Thieleman/PES	NYSDEC
Location:	Well Condition:	Weather:
National Heatset Printing, Babylon, NY	Good	45F, partly cloudy, NW 7 mph
Sounding Method:	Gauge Date: 10/22/2018	Measurement Ref:
Solinst 100-ft water level tape	Gauge Time: 1422	Top of Casing (TOC)
Stick Up/Down (ft):	PID Headspace Reading (ppb):	Well Diameter (in):
5" bgs	0	1.0-in

Purge Date: 24-Oct-18	Purge Time: 848
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

A. Well Depth (ft): 21.69	D. Well Volume (ft): 0.041	Depth/Height of Top of PVC: 5" bgs
B. Depth to Water (ft): 7.07	E. Well Volume (gal) (C*D): 0.59942	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 14.62	F. Three Well Volumes (gal) (E3): 1.79826	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.39	Sampling Time:	911
Samplers:	ET/SS	Split Sample With:	MS/MSD
Sampling Date:	10/24/2018	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: MS/MSD collected here



EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1D (offsite)	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 34°F/Overcast
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): ~4" bgs	Gauge Time: 1423	Well Diameter (in): 1

Purge Date: 24-Oct-18	Purge Time: 800
Purge Method: Low Flow via Peristaltic Pump	Field Technician: S.Soldner/E.Thieleman/PES

Well Volume

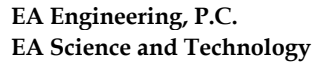
A. Well Depth (ft): 84.90	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~4" bgs
B. Depth to Water (ft): 7.9	E. Well Volume (gal) (C*D): 12.551	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 77	F. Three Well Volumes (gal) (E3): 37.653	Pump Intake Depth: NA

Water Quality Parameters

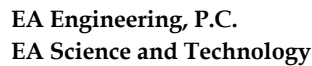
Time	pH	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)
802	4.75	0.155	0.0	0.13	11.82	289	8.02	0.24	0.00
805	4.97	0.058	0.0	0.00	13.46	271	8.02	0.24	0.72
808	5.23	0.048	0.0	0.00	13.72	269	8.02	0.24	1.44
811	5.37	0.051	0.0	0.00	13.66	265	8.02	0.24	2.16
814	5.44	0.089	0.0	0.00	13.59	265	8.02	0.24	2.88
817	5.43	0.108	0.0	0.00	13.64	267	8.02	0.24	3.6
820	5.43	0.113	0.0	0.00	13.68	268	8.02	0.24	4.32
823	5.41	0.118	0.0	0.00	13.67	271	8.02	0.24	5.04
826	5.38	0.12	0.0	0.00	13.68	273	8.02	0.24	5.76
829	5.4	0.126	0.0	0.00	13.66	274	8.02	0.24	6.48
832	5.38	0.126	0.0	0.00	13.65	276	8.02	0.24	7.2
835	5.37	0.126	0.0	0.00	13.69	277	8.02	0.24	7.92

Total Quantity of Water Removed (gal): 2.09	Sampling Time: 835
Samplers: ET/SS	Split Sample With: FD02
Sampling Date: 10/24/2018	Sample Type: GW Grab

COMMENTS AND OBSERVATIONS: FD-02 Collected here



Well I.D.: MW-2S (offsite)		EA Personnel: S.Soldner/E.Thieleman/PES		Client: NYSDEC					
Location: National Heatset Printing, Babylon, NY		Well Condition: Good		Weather: 34°F/Overcast					
Sounding Method: Solinst 100-ft water level tape		Gauge Date: 10/22/2018	Measurement Ref:						
		Gauge Time: 1423	Top of Casing (TOC)						
Stick Up/Down (ft): Down 0.25-ft		PID Headspace Reading (ppb): 8680	Well Diameter (in): 1.0-in						
Purge Date: 23-Oct-18			Purge Time: 1550						
Purge Method: Low Flow via Peristaltic Pump			Field Technician: ET/PES						
Well Volume									
A. Well Depth (ft): 22.81		D. Well Volume (ft): 0.163		Depth/Height of Top of PVC: Down 0.25-ft					
B. Depth to Water (ft): 11.41		E. Well Volume (gal) (C*D): 1.8582		Pump Type: Peristaltic Pump					
C. Liquid Depth (ft) (A-B): 11.4		F. Three Well Volumes (gal) (E3): 5.5746		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)
1551	6.34	0.193	36.7	6.62	17.84	242	11.43	0.25	0.00
1554	6.32	0.193	14.5	7.21	17.97	246	11.4	0.25	0.75
1557	6.32	0.192	12.2	7.20	18.06	248	11.41	0.25	1.50
1600	6.33	0.192	9.9	7.34	18.13	250	11.42	0.25	2.25
1603	6.33	0.191	6.9	7.28	18.19	251	11.42	0.25	3.00
1606	6.32	0.190	3.5	7.28	18.26	253	11.41	0.25	3.75
1609	6.32	0.190	2.2	7.30	18.3	254	11.42	0.25	4.50
1612	6.33	0.189	1.5	7.43	18.31	256	11.41	0.25	5.25
Total Quantity of Water Removed (gal):	1.39				Sampling Time:		1612		
Samplers:	ET/SS				Split Sample With:		--		
Sampling Date:	10/23/2018				Sample Type:		CW Grab		
COMMENTS AND OBSERVATIONS:									



Well I.D.: MW-2D (offsite)		EA Personnel: S.Soldner/E.Thieleman/PES		Client: NYSDEC					
Location: National Heatset Printing, Babylon, NY		Well Condition: Good		Weather: 50F, clear, E 5mph					
Sounding Method: Solinst 100-ft water level tape		Gauge Date:	10/22/2018	Measurement Ref:					
		Gauge Time:	1411	Top of Casing (TOC)					
Stick Up/Down (ft): Down 0.25-ft		PID Headspace Reading (ppb): 0		Well Diameter (in): 1.0-in					
Purge Date: 23-Oct-18			Purge Time: 1545						
Purge Method: Low Flow via Peristaltic Pump			Field Technician: S.Soldner/E.Thieleman/PES						
Well Volume									
A. Well Depth (ft): 87.57		D. Well Volume (ft): 0.041		Depth/Height of Top of PVC: Down 0.25-ft					
B. Depth to Water (ft): 11.5		E. Well Volume (gal) (C*D): 3.11887		Pump Type: Peristaltic Pump					
C. Liquid Depth (ft) (A-B): 76.07		F. Three Well Volumes (gal) (E3): 9.35661		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)
1547	5.97	0.219	8.3	7.95	16.95	228	11.5	0.30	0.00
1550	5.47	0.249	0.0	0.27	17.06	230	11.51	0.30	0.9
1553	5.23	0.298	0.0	3.63	16.81	245	11.51	0.30	1.8
1556	5.18	0.309	0.0	4.14	16.59	257.0	11.52	0.30	2.7
1559	5.18	0.31	0.0	4.14	16.68	258	11.52	0.30	3.6
1602	5.18	0.312	0.0	4.29	16.52	260	11.52	0.30	4.5
1605	5.17	0.313	0.0	4.32	16.52	261	11.52	0.30	5.4
1608	5.17	0.313	0.0	4.35	16.54	262	11.52	0.30	6.3
Total Quantity of Water Removed (gal):	1.66					Sampling Time:		1610	
Samplers:	ET/SS					Split Sample With:		--	
Sampling Date:	10/23/2018					Sample Type:		CW Grab	
COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout									



EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-3D (offsite)	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 50F, overcast, SW 7mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): ~1" bgs	Gauge Time: 1454	Well Diameter (in): 1.0 in

Purge Date: 22-Oct-18	Purge Time: 1510
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/PES

Well Volume

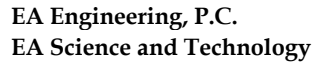
A. Well Depth (ft): 88.89	D. Well Volume (ft): 0.041	Depth/Height of Top of PVC: ~1" bgs
B. Depth to Water (ft): 7.58	E. Well Volume (gal) (C*D): 3.33371	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 81.31	F. Three Well Volumes (gal) (E3): 10.00113	Pump Intake Depth: NA

Water Quality Parameters

Time	pH	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)
1511	5.56	0.213	77.2	1.6	14.24	16	7.61	0.30	0.00
1514	6.06	0.164	30.8	2.83	14.55	15	7.62	0.30	0.9
1517	6.08	0.157	18.1	4.73	14.75	44	7.61	0.30	1.8
1520	5.97	0.153	9.7	5.65	14.88	70	7.61	0.30	2.7
1523	5.89	0.151	4	6.04	14.97	89	7.62	0.30	3.6
1526	5.86	0.15	0	6.19	15.04	107	7.62	0.30	4.5
1529	5.83	0.149	0	6.36	15.06	119	7.62	0.30	5.4
1532	5.87	0.149	0	6.42	15.06	121	7.62	0.30	6.3
1535	5.89	0.148	0	6.4	15.05	126	7.62	0.30	7.2

Total Quantity of Water Removed (gal): 1.90	Sampling Time: 1535
Samplers: ET/SS	Split Sample With: -
Sampling Date: 10/22/2018	Sample Type: GW Grab

COMMENTS AND OBSERVATIONS:



Well I.D.: DDC-5-PS		EA Personnel: S.Soldner/E.Thieleman/PES		Client: NYSDEC					
Location: National Heatset Printing, Babylon, NY		Well Condition: Good		Weather: 50F, overcast, SW 7mph					
Sounding Method: Solinst 100-ft water level tape		Gauge Date: 10/22/2018	Measurement Ref:						
		Gauge Time: 1443	Top of Casing (TOC)						
Stick Up/Down (ft): Up 3.0 ft		PID Headspace Reading (ppb): 0	Well Diameter (in): 2						
Purge Date: 22-Oct-18			Purge Time: 1613						
Purge Method: Low Flow via Peristaltic Pump			Field Technician: ET/PES						
Well Volume									
A. Well Depth (ft): 29.87		D. Well Volume (ft): 0.163		Depth/Height of Top of PVC: Up 3.0 ft					
B. Depth to Water (ft): 9.29		E. Well Volume (gal) (C*D): 3.35454		Pump Type: Peristaltic Pump					
C. Liquid Depth (ft) (A-B): 20.58		F. Three Well Volumes (gal) (E3): 10.06362		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)
1613	6.63	0.246	0	8.35	13.61	174	9.4	0.25	0.00
1616	6.52	0.246	0	6.91	13.29	191	9.32	0.25	0.75
1619	6.49	0.246	0	6.86	13.21	198	9.3	0.25	1.5
1622	6.46	0.247	0	7.48	13.16	203	9.35	0.25	2.25
1625	6.45	0.247	0	8.46	13.15	206	9.44	0.25	3
1628	6.46	0.247	0	8.50	13.15	209	9.39	0.25	3.75
1631	6.45	0.247	0	8.60	13.14	211	9.32	0.25	4.5
Total Quantity of Water Removed (gal):	1.19				Sampling Time:		1631		
Samplers:	ET/SS				Split Sample With:		--		
Sampling Date:	10/22/2018				Sample Type:		CW Grab		
COMMENTS AND OBSERVATIONS:									



EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-5-PD	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 52° F / Overcast / ESE 10mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Up 3.0 ft.	Gauge Time: 1444	Well Diameter (in): 2

Purge Date: 22-Oct-18	Purge Time: 1605
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET

Well Volume

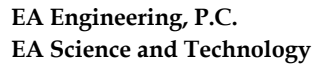
A. Well Depth (ft): 82.73	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Up 3.0 ft.
B. Depth to Water (ft): 13.15	E. Well Volume (gal) (C*D): 11.34154	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 69.58	F. Three Well Volumes (gal) (E3): 34.02462	Pump Intake Depth: NA

Water Quality Parameters

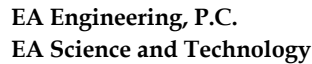
Time	pH	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)
1608	6.06	0.157	0	6.71	14.21	223	13.05	0.30	0.00
1611	5.58	0.185	0	5.90	13.41	234	13.17	0.30	0.9
1614	5.61	0.217	0	5.21	12.89	246	13.25	0.30	1.8
1617	5.62	0.222	0	5.27	12.97	245	13.07	0.30	2.7
1620	5.65	0.223	0	5.27	12.96	246	13.13	0.30	3.6
1623	5.67	0.231	0	3.63	12.96	245	13.1	0.30	4.5
1626	5.68	0.232	0	2.60	12.96	246.0	13.41	0.30	5.4
1629	5.7	0.234	0	2.11	12.96	245.0	13.4	0.30	6.3
1632	5.7	0.235	0	1.53	12.94	245	13.49	0.30	7.2
1635	5.7	0.235	0	1.49	12.94	246	13.01	0.30	8.1
1638	5.72	0.235	0	1.45	12.91	245	13.27	0.30	9

Total Quantity of Water Removed (gal): 2.38	Sampling Time: 1638
Samplers: ET/SS	Split Sample With: -
Sampling Date: 10/22/2018	Sample Type: GW Grab

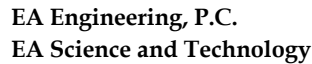
COMMENTS AND OBSERVATIONS: DTW inconsistent because system is running. Clear, colorless, odorless throughout.



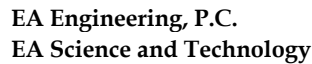
Well I.D.: DDC-6-PS		EA Personnel: S.Soldner/E.Thieleman/PES		Client: NYSDEC					
Location: National Heatset Printing, Babylon, NY		Well Condition: OK		Weather: 52 F / Overcast / ESE 10mph					
Sounding Method: Solinst 100-ft water level tape		Gauge Date: 10/22/2018	Measurement Ref:						
		Gauge Time: 1448	Top of Casing (TOC)						
Stick Up/Down (ft): Down 0.5-ft		PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0-in						
Purge Date: 22-Oct-18			Purge Time: 1535						
Purge Method: Low Flow via Peristaltic Pump			Field Technician: S.Soldner/E.Thieleman/PES						
Well Volume									
A. Well Depth (ft): 29.37		D. Well Volume (ft): 0.163		Depth/Height of Top of PVC: Down 0.5-ft					
B. Depth to Water (ft): 7.86		E. Well Volume (gal) (C*D): 3.50613		Pump Type: Peristaltic Pump					
C. Liquid Depth (ft) (A-B): 21.51		F. Three Well Volumes (gal) (E3): 10.51839		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)
1539	5.68	0.149	1.7	5.98	15.74	204	7.85	0.30	0.00
1542	5.51	0.174	1.4	5.60	14.79	226	7.85	0.30	0.9
1545	5.49	0.183	0	5.73	14.66	234	7.85	0.30	1.8
1548	5.51	0.187	0.0	5.59	14.63	237	7.85	0.30	2.7
1551	5.54	0.188	0.0	5.65	14.57	238	7.85	0.30	3.6
1554	5.59	0.190	0.0	5.79	14.53	240	7.85	0.30	4.5
1557	5.59	0.190	0.0	5.86	14.52	241	7.85	0.30	5.4
1600	5.60	0.190	0.0	5.76	14.53	241	7.85	0.30	6.3
Total Quantity of Water Removed (gal):	1.66			Sampling Time:		1602			
Samplers:	ET/SS			Split Sample With:		--			
Sampling Date:	10/22/2018			Sample Type:		CW Grab			
COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout.									



Well I.D.:			EA Personnel:			Client:				
DDC-6-PD			S.Soldner/E.Thieleman/PES			NYSDEC				
Location:			Well Condition:			Weather:				
National Heatset Printing, Babylon, NY			Good			51F, Overcast, SW 7mph				
Sounding Method:			Gauge Date:	10/22/2018		Measurement Ref:				
Solinst 100-ft water level tape			Gauge Time:	1449		Top of Casing (TOC)				
Stick Up/Down (ft):			PID Headspace Reading (ppb):			Well Diameter (in):				
Down ~0.33-ft			80			2.0-in				
Purge Date:						Purge Time:				
22-Oct-18						1544				
Purge Method:						Field Technician:				
Low Flow via Peristaltic Pump						ET/SS				
Well Volume										
A. Well Depth (ft):			D. Well Volume (ft):			Depth/Height of Top of PVC:				
\$1.08			0.163			Down ~0.33-ft				
B. Depth to Water (ft):			E. Well Volume (gal) (C*D):			Pump Type:				
7.78			11.9479			Peristaltic Pump				
C. Liquid Depth (ft) (A-B):			F. Three Well Volumes (gal) (E3):			Pump Intake Depth:				
73.3			35.8437			NA				
Water Quality Parameters										
Time	pH	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume	
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)	
1544	5.81	0.189	0.0	7.88	14.81	177	8.08	0.30	0.00	
1547	6.27	0.239	0.0	5.88	14.53	170	8.09	0.30	0.9	
1550	6.31	0.256	0.0	5.00	14.48	172	8.09	0.30	1.8	
1553	6.37	0.271	0.0	4.40	14.41	173	8.09	0.30	2.7	
1556	6.40	0.274	0.0	4.29	14.36	177	8.09	0.30	3.6	
1559	6.44	0.274	0.0	4.29	14.33	179	8.09	0.30	4.5	
1602	6.44	0.277	0.0	4.07	14.31	183	8.09	0.30	5.4	
Total Quantity of Water Removed (gal):			1.43			Sampling Time:		1602		
Samplers:			ET/SS			Split Sample With:		--		
Sampling Date:			10/22/2018			Sample Type:		CW Grab		
COMMENTS AND OBSERVATIONS:										



Well I.D.: DDC-7-PS			EA Personnel: S.Soldner/E.Thieleman/PES			Client: NYSDEC			
Location: National Heatset Printing, Babylon, NY			Well Condition: Good			Weather: 50F, clear, E 10mph			
Sounding Method: Solinst 100-ft water level tape			Gauge Date: 10/22/2018			Measurement Ref:			
			Gauge Time: 1356			Top of Casing (TOC)			
Stick Up/Down (ft): Down ~8"			PID Headspace Reading (ppb): 148			Well Diameter (in): 2.0-in			
Purge Date: 23-Oct-18						Purge Time: 1502			
Purge Method: Low Flow via Peristaltic Pump						Field Technician: S.Soldner/E.Thieleman/PES			
Well Volume									
A. Well Depth (ft): 27.9			D. Well Volume (ft): 0.163			Depth/Height of Top of PVC: Down ~8"			
B. Depth to Water (ft): 7.91			E. Well Volume (gal) (C*D): 3.25837			Pump Type: Peristaltic Pump			
C. Liquid Depth (ft) (A-B): 19.99			F. Three Well Volumes (gal) (E3): 9.77511			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)
1506	5.62	0.464	0.0	8.28	15.94	232	7.8	0.30	0.00
1509	5.44	0.479	0.0	8.04	15.11	249	8.04	0.30	0.9
1512	5.29	0.479	0.0	8.06	14.93	258	7.77	0.30	1.8
1515	5.25	0.48	0.0	8.01	14.86	263	7.84	0.30	2.7
1518	5.25	0.48	0.0	7.98	14.87	264	7.97	0.30	3.6
1521	5.26	0.48	0.0	7.99	14.77	264		0.30	4.5
1524	5.29	0.48	0.0	7.95	14.76	264		0.30	5.4
1527	5.31	0.48	0.0	7.94	14.78	263		0.30	6.3
Total Quantity of Water Removed (gal):			1.66			Sampling Time:		1530	
Samplers:			ET/SS			Split Sample With:		--	
Sampling Date:			10/23/2018			Sample Type:		CW Grab	
COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout									



Well I.D.: DDC-7-PD		EA Personnel: S.Soldner/E.Thieleman/PES		Client: NYSDEC					
Location: National Heatset Printing, Babylon, NY		Well Condition: Good		Weather: 60F, Partly cloudy, SSW 7mph					
Sounding Method: Solinst 100-ft water level tape		Gauge Date: 10/22/2018	Measurement Ref:						
		Gauge Time: 1357	Top of Casing (TOC)						
Stick Up/Down (ft): Down 1.0-ft		PID Headspace Reading (ppb): 72	Well Diameter (in): 2.0-in						
Purge Date: 23-Oct-18			Purge Time: 1515						
Purge Method: Low Flow via Peristaltic Pump			Field Technician: ET/SS						
Well Volume									
A. Well Depth (ft): 83.41		D. Well Volume (ft): 0.163		Depth/Height of Top of PVC: Down 1.0-ft					
B. Depth to Water (ft): 10.1		E. Well Volume (gal) (C*D): 11.94953		Pump Type: Peristaltic Pump					
C. Liquid Depth (ft) (A-B): 73.31		F. Three Well Volumes (gal) (E3): 35.84859		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	6.51	0.17	0.6	5.18	18.14	240	10.1	0.27	0.00
1520	5.48	0.169	0	5.56	17.89	248	9.89	0.27	0.81
1523	5.46	0.168	0.5	5.48	17.70	248	9.43	0.27	1.62
1526	6.44	0.169	0	5.43	17.56	243	9.97	0.27	2.43
1529	6.42	0.169	0.4	5.10	17.38	249	9.6	0.27	3.24
1532	6.39	0.17	0.1	5.16	17.24	250	9.6	0.27	4.05
1535	6.35	0.17	0	4.86	17.16	251	10.15	0.27	4.86
1538	6.32	0.17	0	4.87	17.05	252	9.6	0.27	5.67
Total Quantity of Water Removed (gal):	1.50			Sampling Time:		1538			
Samplers:	ET/SS			Split Sample With:		--			
Sampling Date:	10/23/2018			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: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 55F, Clear, E 10mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 1.0-ft	Gauge Time: 1348	Well Diameter (in): 2.0-in

Purge Date: 23-Oct-18	Purge Time: 1417
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

Well Volume

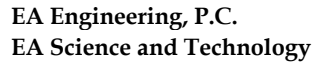
A. Well Depth (ft): 26.18	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down 1.0-ft
B. Depth to Water (ft): 7.39	E. Well Volume (gal) (C*D): 3.06277	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 18.79	F. Three Well Volumes (gal) (E3): 9.18831	Pump Intake Depth: NA

Water Quality Parameters

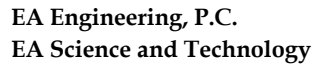
Time	pH	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)
1420	5.60	0.23	18	6.99	21.27	216	7.08	0.30	0.00
1423	5.54	0.415	4.5	7.46	16.90	226.0	7.08	0.30	0.9
1426	5.27	0.415	0	8.18	16.59	241.0	7.08	0.30	1.8
1429	5.14	0.420	0	7.90	15.97	251	7.08	0.30	2.7
1432	5.07	0.422	0	8.18	15.78	258	7.08	0.30	3.6
1435	5.08	0.414	0	7.77	15.74	260	7.08	0.30	4.5
1438	5.01	0.419	0	8.18	15.64	268	7.08	0.30	5.4
1441	5.04	0.42	0.0	8.11	15.66	268	7.08	0.30	6.3
1444	5.04	0.421	0	8.2	15.68	268	7.08	0.30	7.2

Total Quantity of Water Removed (gal): 1.90	Sampling Time: 1445
Samplers: ET/SS	Split Sample With: -
Sampling Date: 10/23/2018	Sample Type: GW Grab

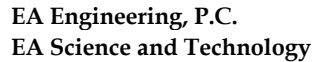
COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout



Well I.D.: DDC-8-PD		EA Personnel: S.Soldner/E.Thieleman/PES		Client: NYSDEC					
Location: National Heatset Printing, Babylon, NY		Well Condition: Good		Weather: 55F, Partly Cloudy, SW 7mph					
Sounding Method: Solinst 100-ft water level tape		Gauge Date: 10/22/2018	Measurement Ref:						
		Gauge Time: 1349	Top of Casing (TOC)						
Stick Up/Down (ft): Down 1.0-ft		PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0-in						
Purge Date: 23-Oct-18			Purge Time: 1435						
Purge Method: Low Flow via Peristaltic Pump			Field Technician: ET/SS						
Well Volume									
A. Well Depth (ft): 84.3		D. Well Volume (ft): 0.163		Depth/Height of Top of PVC: Down 1.0-ft					
B. Depth to Water (ft): 12.3		E. Well Volume (gal) (C*D): 11.736		Pump Type: Peristaltic Pump					
C. Liquid Depth (ft) (A-B): 72		F. Three Well Volumes (gal) (E3): 35.208		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)
1436	6.29	0.226	0.0	6.07	19.53	236	12.4	0.27	0.00
1439	6.32	0.226	0.0	5.58	19.23	246	11.3	0.27	0.81
1442	6.32	0.227	0.0	6.65	18.84	250	11.2	0.27	1.62
1445	6.32	0.227	0.0	6.78	18.57	251	11.6	0.27	2.43
1448	6.32	0.228	0.0	6.32	18.42	252	11.8	0.27	3.24
1451	6.31	0.227	0.0	7.21	18.24	254	11.1	0.27	4.05
1454	6.31	0.23	0	7.00	18.09	255	12	0.27	4.86
1457	6.31	0.231	0	7.19	17.99	256	11.8	0.27	5.67
Total Quantity of Water Removed (gal):	1.50				Sampling Time:		1457		
Samplers:	ET/SS				Split Sample With:		--		
Sampling Date:	10/23/2018				Sample Type:		CW Grab		
COMMENTS AND OBSERVATIONS:									



Well I.D.: DDC-9-PS		EA Personnel: S.Soldner/E.Thieleman/PES		Client: NYSDEC					
Location: National Heatset Printing, Babylon, NY		Well Condition: Good		Weather: 55F/clear/E 7-10mph					
Sounding Method: Solinst 100-ft water level tape		Gauge Date: 10/22/2018	Measurement Ref:						
		Gauge Time: 1340	Top of Casing (TOC)						
Stick Up/Down (ft): Down 1.0-ft		PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0-in						
Purge Date: 23-Oct-18			Purge Time: 1340						
Purge Method: Low Flow via Peristaltic Pump			Field Technician: ET/SS						
Well Volume									
A. Well Depth (ft): 28.78		D. Well Volume (ft): 0.163		Depth/Height of Top of PVC: Down 1.0-ft					
B. Depth to Water (ft): 8.2		E. Well Volume (gal) (C*D): 3.35454		Pump Type: Peristaltic Pump					
C. Liquid Depth (ft) (A-B): 20.58		F. Three Well Volumes (gal) (E3): 10.06362		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)
1344	6.08	0.344	0.0	8.76	17.27	195	8.81	0.30	0.00
1347	5.18	0.369	0.0	9.28	15.88	239	9.1	0.30	0.9
1350	5.06	0.37	0.0	9.24	15.75	249	9.17	0.30	1.8
1353	5.05	0.365	0.0	8.94	16.23	251	8.9	0.30	2.7
1356	5.13	0.366	0.0	8.93	16.19	250	9.28	0.30	3.6
1359	5.11	0.365	0.0	8.86	16.19	252	9.14	0.30	4.5
1402	5.09	0.363	0.0	8.84	16.2	253	8.97	0.30	5.4
1405	5.09	0.365	0	8.84	16.13	254		0.30	6.3
Total Quantity of Water Removed (gal):	1.66			Sampling Time:			1408		
Samplers:	ET/SS			Split Sample With:			--		
Sampling Date:	10/23/2018			Sample Type:			CW Grab		
COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout									



Well I.D.: DDC-9-PD			EA Personnel: S.Soldner/E.Thieleman/PES			Client: NYSDEC			
Location: National Heatset Printing, Babylon, NY			Well Condition: Good			Weather: 60F, partly cloudy, calm			
Sounding Method: Solinst 100-ft water level tape			Gauge Date: 12/22/2018			Measurement Ref:			
			Gauge Time: 1341			Top of Casing (TOC)			
Stick Up/Down (ft): Down 1.0-ft			PID Headspace Reading (ppb): 0			Well Diameter (in): 2.0-in			
Purge Date: 23-Dec-18					Purge Time: 1350				
Purge Method: Low Flow via Peristaltic Pump					Field Technician: S.Soldner/E.Thieleman/PES				
Well Volume									
A. Well Depth (ft): \$1.64			D. Well Volume (ft): 0.163			Depth/Height of Top of PVC: Down 1.0-ft			
B. Depth to Water (ft): 12.25			E. Well Volume (gal) (C*D): 11.31057			Pump Type: Peristaltic Pump			
C. Liquid Depth (ft) (A-B): 69.39			F. Three Well Volumes (gal) (E3): 33.93171			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)
1350	6.44	0.178	0	6.21	17.7	238	11.87	0.30	0.00
1354	6.22	0.180	0	4.62	18.09	244	12.45	0.30	1.2
1357	6.14	0.181	0	3.08	17.97	248	11.4	0.30	2.1
1400	6.11	0.182	0	2.36	17.97	251	12.2	0.30	3
1403	6.11	0.184	0	2.33	17.97	254	11.9	0.30	3.9
1406	6.09	0.186	0	2.50	17.96	257	12.9	0.30	4.8
1409	6.09	0.188	0	2.35	18	258	12.5	0.30	5.7
1412	6.08	0.188	0	2.30	18.06	260	12.4	0.30	6.6
Total Quantity of Water Removed (gal):	1.74				Sampling Time:				1412
Samplers:	ET/SS				Split Sample With:				--
Sampling Date:	12/23/2018				Sample Type:				GW Grab
COMMENTS AND OBSERVATIONS:									



EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: DDC-10-PS	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: OK	Weather: 60F, partly cloudy, calm
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 0.5-ft	Gauge Time: 1333	Well Diameter (in): 2.0-in

Purge Date: 23-Oct-18	Purge Time: 1307
Purge Method: Low Flow via Peristaltic Pump	Field Technician: S.Soldner/E.Thieleman/PES

Well Volume

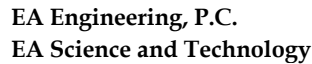
A. Well Depth (ft): 27.8	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down 0.5-ft
B. Depth to Water (ft): 10.1	E. Well Volume (gal) (C*D): 2.8851	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 17.7	F. Three Well Volumes (gal) (E3): 8.6553	Pump Intake Depth: NA

Water Quality Parameters

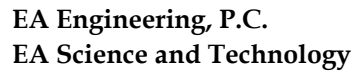
Time	pH	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)
1307	6.69	0.21	0	8.05	20.18	207	9.95	0.20	0.00
1310	6.38	0.208	0	6.61	19.76	230	9.9	0.20	0.6
1313	6.27	0.211	0.0	6.11	18.9	238	9.6	0.20	1.2
1316	6.24	0.214	0	5.97	18.46	241	9.65	0.20	1.8
1319	6.25	0.214	0	5.95	18.38	243	10.42	0.20	2.4
1322	6.25	0.216	0	5.56	18.69	244.0	10.05	0.20	3
1325	6.24	0.217	0	5.53	18.83	245	9.6	0.20	3.6
1328	6.24	0.219	0	6.37	18.5	247	10.05	0.20	4.2
1331	6.24	0.214	0	6.26	18.3	249	9.32	0.20	4.8
1334	6.24	0.215	0	6.24	18.02	250	9.95	0.20	5.4

Total Quantity of Water Removed (gal): 1.43	Sampling Time: 1334
Samplers: ET/SS	Split Sample With: -
Sampling Date: 10/23/2018	Sample Type: GW Grab

COMMENTS AND OBSERVATIONS:



Well I.D.: DDC-10-PD			EA Personnel: S.Soldner/E.Thieleman/PES			Client: NYSDEC			
Location: National Heatset Printing, Babylon, NY			Well Condition: Good			Weather: 55F, clear, E 5mph			
Sounding Method: Solinst 100-ft water level tape			Gauge Date: 10/22/2018			Measurement Ref: Top of Casing (TOC)			
Stick Up/Down (ft): Down 0.5 ft			PID Headspace Reading (ppb): 0			Well Diameter (in): 2.0-in			
Purge Date: 23-Oct-18					Purge Time: 1300				
Purge Method: Low Flow via Peristaltic Pump					Field Technician: S.Soldner/E.Thieleman/PES				
Well Volume									
A. Well Depth (ft): 81.11			D. Well Volume (ft): 0.163			Depth/Height of Top of PVC: Down 0.5 ft			
B. Depth to Water (ft): 9.95			E. Well Volume (gal) (C*D): 11.59908			Pump Type: Peristaltic Pump			
C. Liquid Depth (ft) (A-B): 71.16			F. Three Well Volumes (gal) (E3): 34.79724			Pump Intake Depth: NA			
Water Quality Parameters									
Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (oC)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1304	5.91	0.395	0	4.74	22.54	149.0	9.5	0.30	0.00
1307	5.59	0.422	0	4.28	18.77	183.0	11.55	0.30	0.9
1310	5.31	0.427	0	4.04	17.69	204.0	8.89	0.30	1.8
1313	4.92	0.433	0	3.93	16.87	238		0.30	2.7
1316	4.81	0.432	0	4.12	16.559	247		0.30	3.6
1319	4.78	0.436	0	4.10	16.52	254		0.30	4.5
1322	4.77	0.436	0	4.24	16.54	255		0.30	5.4
1325	4.82	0.437	0	4.20	16.56	256		0.30	6.3
Total Quantity of Water Removed (gal): 1.66					Sampling Time: 1330				
Samplers: ET/SS					Split Sample With: --				
Sampling Date: 10/23/2018					Sample Type: GW Grab				
COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout.									

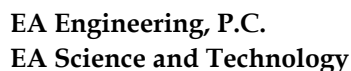


Well I.D.: MW-1D (onsite)	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Ok, no bolts	Weather: 60F, partly cloudy, calm
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref:
	Gauge Time: 1230	Top of Casing (TOC)
Stick Up/Down (ft): Down 0.5-ft	PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0 in

Well Volume		
A. Well Depth (ft): 81.80	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down 0.5-ft
B. Depth to Water (ft): 15.49	E. Well Volume (gal) (C*D): 10.80853	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 66.31	F. Three Well Volumes (gal) (E3): 32.42559	Pump Intake Depth: NA

[illegible]

COMMENTS AND OBSERVATIONS:	



Well I.D.: MW-2A	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 50F, overcast, N 2 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref:
	Gauge Time: 1300	Top of Casing (TOC)
Stick Up/Down (ft): Down 0.33-ft	PID Headspace Reading (ppb): 0	Well Diameter (in): 2

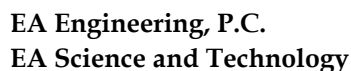
Purge Date: 23-Oct-18	Purge Time: 848
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/PES

A. Well Depth (ft): 23.34	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down 0.33-ft
B. Depth to Water (ft): 15.76	E. Well Volume (gal) (C*D): 1.23554	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 7.58	F. Three Well Volumes (gal) (E3): 3.70662	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.39	Sampling Time:	909
Samplers:	ET/PES	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	VOC- GW Grab

COMMENTS AND OBSERVATIONS: None



Well I.D.: MW-2AD	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good, No bolts	Weather: 53F, overcast. S 22 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref:
	Gauge Time: 1301	Top of Casing (TOC)
Stick Up/Down (ft): Down 0.16-ft	PID Headspace Reading (ppb): 36	Well Diameter (in): 1

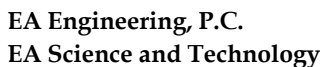
Purge Date: 23-Oct-18	Purge Time: 842
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

A. Well Depth (ft): 78.22	D. Well Volume (ft): 0.041	Depth/Height of Top of PVC: Down 0.16-ft
B. Depth to Water (ft): 16.33	E. Well Volume (gal) (C*D): 2.53749	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 61.89	F. Three Well Volumes (gal) (E3): 7.61247	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.66	Sampling Time:	908
Samplers:	ET/SS	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout



Well I.D.: MW-3D (onsite)	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good, no bolts	Weather: 55F, Partly Cloudy, Calm
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018 Gauge Time: 1240	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 0.5"	PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0 in

Purge Date: 23-Oct-18	Purge Time: 912
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

A. Well Depth (ft): 81.02	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down 0.5"
B. Depth to Water (ft): 14.75	E. Well Volume (gal) (C*D): 10.80201	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 66.27	F. Three Well Volumes (gal) (E3): 32.40603	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.66	Sampling Time:	938
Samplers:	ET/SS	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	VOC- GW Grab

COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout



EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-5S (onsite)	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good, No bolts	Weather: 55F, Partly Cloudy, E 5 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018 Gauge Time: 1239	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Flush 3"bgs	PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0 in

Purge Date: 23-Oct-18	Purge Time: 1020
Purge Method: Low Flow via Peristaltic Pump	Field Technician: S.Soldner/E.Thieleman/PES

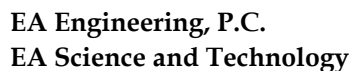
Well Volume

A. Well Depth (ft): 26.92	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Flush 3"bgs
B. Depth to Water (ft): 14.56	E. Well Volume (gal) (C*D): 2.01468	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 12.36	F. Three Well Volumes (gal) (E3): 6.04404	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)
1023	6.24	0.533	1.1	0	19.69	18	14.61	0.30	0.00
1026	6.24	0.521	0.0	0.00	19.78	4	14.83	0.30	0.90
1029	6.21	0.408	0.0	0.00	19.89	7	14.89	0.30	1.80
1032	6.2	0.369	0.0	0.00	19.97	14.0	14.89	0.30	2.70
1035	6.2	0.352	0.0	0.16	20.03	17	14.77	0.30	3.60
1038	6.18	0.347	0.0	0.14	20.05	20	14.80	0.30	4.50
1041	6.17	0.344	0.0	0.14	20.06	21	14.59	0.30	5.40
1044	6.14	0.341	0.0	0.14	20.06	22	14.58	0.30	6.30
1047	6.15	0.34	0.0	0.13	20.05	23	14.59	0.30	7.20

Total Quantity of Water Removed (gal):	1.90	Sampling Time:	1050
Samplers:	ET/SS	Split Sample With:	--



Well I.D.: MW-5D (onsite)	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good, no bolts	Weather: 60F, partly cloudy, SSW 7 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref: Top of Casing (TOC)
	Gauge Time: 1220	
Stick Up/Down (ft): 2" bgs	PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0 in

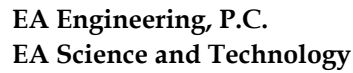
Purge Date: 23-Oct-18	Purge Time: 1022
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/PES

A. Well Depth (ft): 83.64	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 2" bgs
B. Depth to Water (ft): 16.15	E. Well Volume (gal) (C*D): 11.00087	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 67.49	F. Three Well Volumes (gal) (E3): 33.00261	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.45	Sampling Time:	1043
Samplers:	ET/SS	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:	

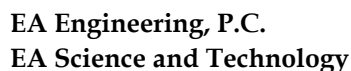


Well I.D.: MW-6S	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good/No bolts	Weather: 60F, partly cloudy, SSW 7 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref:
	Gauge Time: 1220	Top of Casing (TOC)
Stick Up/Down (ft): Down 0.3-ft	PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0 in

Well Volume		
A. Well Depth (ft): 28.55	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down 0.3-ft
B. Depth to Water (ft): 15.6	E. Well Volume (gal) (C*D): 2.11085	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 12.95	F. Three Well Volumes (gal) (E3): 6.33255	Pump Intake Depth: NA

[illegible]

COMMENTS AND OBSERVATIONS:	



Well I.D.: MW-14S	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good/No bolts	Weather: 55F, Partly Cloudy, E 5 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018 Gauge Time: 1210	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 0.1-ft	PID Headspace Reading (ppb): 0	Well Diameter (in): 1.0 in

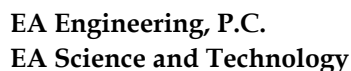
Purge Date: 23-Oct-18	Purge Time: 1130
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

A. Well Depth (ft): 27.4	D. Well Volume (ft): 0.041	Depth/Height of Top of PVC: Down 0.1-ft
B. Depth to Water (ft): 14.9	E. Well Volume (gal) (C*D): 0.5125	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 12.5	F. Three Well Volumes (gal) (E3): 1.5375	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	6.30	Sampling Time:	1155
Samplers:	ET/SS	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	VOC- GW Grab

COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout.



Well I.D.: MW-14D	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good, no bolts	Weather: 55°F/Partly Cloudy/E 5 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018 Gauge Time: 1205	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 0.5-ft	PID Headspace Reading (ppb): 0	Well Diameter (in): 1.0 in

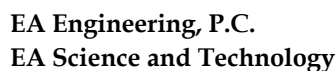
Purge Date: 23-Oct-18	Purge Time: 1100
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

A. Well Depth (ft): 77.59	D. Well Volume (ft): 0.043	Depth/Height of Top of PVC: Down 0.5-ft
B. Depth to Water (ft): 15.1	E. Well Volume (gal) (C*D): 2.68707	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 62.49	F. Three Well Volumes (gal) (E3): 8.06121	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.66	Sampling Time:	1125
Samplers:	ET/SS	Split Sample With:	-
Sampling Date:	10/23/2018	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout.



Well I.D.: MW-15S		EA Personnel: S.Soldner/E.Thieleman/PES		Client: NYSDEC					
Location: National Heatset Printing, Babylon, NY		Well Condition: Good-No bolts		Weather: 50F, overcast, N 2 mph					
Sounding Method: Solinst 100-ft water level tape		Gauge Date: 10/23/2018		Measurement Ref:					
		Gauge Time: 710		Top of Casing (TOC)					
Stick Up/Down (ft): Down ~0.166' bgs		PID Headspace Reading (ppb): 0		Well Diameter (in): 1					
Purge Date: 23-Oct-18			Purge Time: 736						
Purge Method: Low Flow via Peristaltic Pump			Field Technician: ET/SS						
Well Volume									
A. Well Depth (ft): 27.45		D. Well Volume (ft): 0.041		Depth/Height of Top of PVC: Down ~0.166' bgs					
B. Depth to Water (ft): 15.28		E. Well Volume (gal) (C*D): 0.49897		Pump Type: Peristaltic Pump					
C. Liquid Depth (ft) (A-B): 12.17		F. Three Well Volumes (gal) (E3): 1.49691		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)
736	4.78	0.329	7.2	7.63	13.06	282	15.3	0.25	0.00
739	5.97	0.28	10.4	8.74	14.02	288	15.3	0.25	0.75
742	6.19	0.272	5	8.73	14.27	231	15.3	0.25	1.5
745	6.3	0.267	0	8.22	14.54	227	15.3	0.25	2.25
748	6.38	0.265	0	7.40	14.8	226	15.29	0.25	3
751	6.42	0.263	0	8.10	15.04	226	15.29	0.25	3.75
754	6.44	0.260	0.0	7.43	15.14	227	15.29	0.25	4.5
Total Quantity of Water Removed (gal):	1.19					Sampling Time:	754		
Samplers:	ET/SS					Split Sample With:	FD-01		
Sampling Date:	10/23/2018					Sample Type:	VOC- GW Grab		
COMMENTS AND OBSERVATIONS: FD-01 Collected									



EA Engineering, P.C.
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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-15D	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good, no bolts	Weather: 50F, overcast, N 2 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/23/2018 Gauge Time: 715	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Flush 2"bgs	PID Headspace Reading (ppb): 5120	Well Diameter (in): 1

Purge Date: 23-Oct-18	Purge Time: 726
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

Well Volume

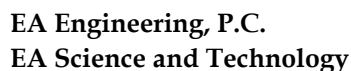
A. Well Depth (ft): 78.51	D. Well Volume (ft): 0.041	Depth/Height of Top of PVC: Flush 2"bgs
B. Depth to Water (ft): 15.32	E. Well Volume (gal) (C*D): 2.59079	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 63.19	F. Three Well Volumes (gal) (E3): 7.77237	Pump Intake Depth: NA

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)
729	4.26	0.179	2.7	8.76	9.54	299	15.33	0.30	0
732	5.8	0.478	14.1	2.53	15.14	152	15.34	0.30	0.9
735	5.91	0.463	5.6	5.19	15.36	154	15.34	0.30	1.8
738	5.94	0.459	6.7	5.81	15.4	161	15.34	0.30	2.7
741	5.95	0.455	9.4	6.77	15.39	171	15.34	0.30	3.6
744	5.95	0.452	9.8	7.33	15.42	180	15.34	0.30	4.5
747	5.94	0.449	7.6	7.65	15.47	183	15.34	0.30	5.4
750	5.92	0.449	8.5	7.84	15.42	191	15.34	0.30	6.3
753	5.91	0.448	8.5	7.82	15.44	191	15.34	0.30	7.2
756	5.91	0.448	8.4	7.85	15.47	192	15.34	0.30	8.1

Total Quantity of Water Removed (gal):	2.14	Sampling Time:	759
Samplers:	ET/SS	Split Sample With:	MS/MSD
Sampling Date:	10/23/2018	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout. Collected MS/MSD.



Well I.D.: DDC-2-PS	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 55F, Partly Cloudy, E 5mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018 Gauge Time: 1243	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down 1' bgs	PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0 in

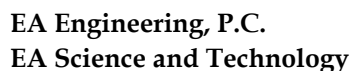
Purge Date: 23-Oct-18	Purge Time: 945
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

A. Well Depth (ft): 26.66	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down 1' bgs
B. Depth to Water (ft): 13.40	E. Well Volume (gal) (C*D): 2.16138	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 13.26	F. Three Well Volumes (gal) (E3): 6.48414	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.90	Sampling Time:	1015
Samplers:	ET/SS	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	VOC- GW Grab

COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout



Well I.D.: DDC-2-PD	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 65F, Partly Cloudy, Calm
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018 Gauge Time: 1252	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Down -1ft	PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0 in

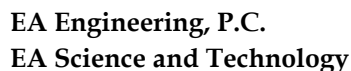
Purge Date: 23-Oct-18	Purge Time: 952
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

A. Well Depth (ft): 76.2	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down -1ft
B. Depth to Water (ft): 14.13	E. Well Volume (gal) (C*D): 10.11741	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 62.07	F. Three Well Volumes (gal) (E3): 30.35223	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.39	Sampling Time:	1014
Samplers:	ET/SS	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:	



Well I.D.: DDC-4-PS	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good/No well cap	Weather: 50F, Overcast, N 2mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018	Measurement Ref:
	Gauge Time: 1251	Top of Casing (TOC)
Stick Up/Down (ft): Down 1.5-ft	PID Headspace Reading (ppb): 1	Well Diameter (in): 2.0 in

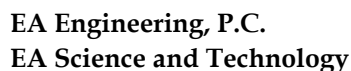
Purge Date: 23-Oct-18	Purge Time: 812
Purge Method: Low Flow via Peristaltic Pump	Field Technician: S.Soldner/E.Thieleman/PES

A. Well Depth (ft): 25.98	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Down 1.5-ft
B. Depth to Water (ft): 6.35	E. Well Volume (gal) (C*D): 3.19969	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 19.63	F. Three Well Volumes (gal) (E3): 9.59907	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.33	Sampling Time:	833
Samplers:	ET/SS	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	VOC- GW Grab

COMMENTS AND OBSERVATIONS:	



Well I.D.: DDC-4-PD	EA Personnel: S.Soldner/E.Thieleman/PES	Client: NYSDEC
Location: National Heatset Printing, Babylon, NY	Well Condition: Good	Weather: 53F, Overcast, S 2 mph
Sounding Method: Solinst 100-ft water level tape	Gauge Date: 10/22/2018 Gauge Time: 1252	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Flush ~1.5' bgs	PID Headspace Reading (ppb): 0	Well Diameter (in): 2.0 in

Purge Date: 23-Oct-18	Purge Time: 809
Purge Method: Low Flow via Peristaltic Pump	Field Technician: ET/SS

A. Well Depth (ft): 79.2	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: Flush ~1.5' bgs
B. Depth to Water (ft): 14.15	E. Well Volume (gal) (C*D): 10.60315	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 65.05	F. Three Well Volumes (gal) (E3): 31.80945	Pump Intake Depth: NA

[illegible]

Total Quantity of Water Removed (gal):	1.66	Sampling Time:	835
Samplers:	ET/SS	Split Sample With:	--
Sampling Date:	10/23/2018	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS: Clear, colorless, odorless throughout

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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 : M2172

ATTENTION : Emily Cummings



Table Of Contents for M2172

1) Signature Page	3
2) Case Narrative	7
2.1) TO-15- Case Narrative	7
3) Qualifier Page	27
4) QA Checklist	28
5) TO-15 Data	29
6) Shipping Document	144
6.1) CHAIN OF CUSTODY	145
6.2) Air Bill	154
6.3) Lab Certificate	159
6.4) Internal COC	160
6.5) Air sample Pressure And Dilution Log Book	161
6.6) Storage Location	163

1

2

3

4

5

6



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-1

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	M2172-01	TO-15					
OFFSITE-DDC-INTERME DIATE-2	M2172-02	TO-15					
DDC-2-INFLUENT-2	M2172-03	TO-15					
OFFSITE-DDC-INTERME DIATE-1	M2172-04	TO-15					
DDC-2-EFFLUENT	M2172-05	TO-15					
DDC-2-INFLUENT-1	M2172-06	TO-15					
SVE-EFFLUENT	M2172-07	TO-15					
OFFSITE-DDC-INFLUEN T	M2172-08	TO-15					
OFFSITE-DDC-EFFLUEN T	M2172-09	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
M2172-01	Air	04/20/21	04/23/21		04/28/21
M2172-02	Air	04/20/21	04/23/21		04/27/21
M2172-03	Air	04/20/21	04/23/21		04/27/21
M2172-04	Air	04/20/21	04/23/21		04/27/21
M2172-05	Air	04/20/21	04/23/21		04/27/21
M2172-06	Air	04/20/21	04/23/21		04/27/21
M2172-07	Air	04/20/21	04/23/21		04/27/21
M2172-08	Air	04/20/21	04/23/21		04/27/21
M2172-09	Air	04/20/21	04/23/21		04/27/21

* 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
M2172-01	Air	TO-15	NA		
M2172-02	Air	TO-15	NA		
M2172-03	Air	TO-15	NA		
M2172-04	Air	TO-15	NA		
M2172-05	Air	TO-15	NA		
M2172-06	Air	TO-15	NA		
M2172-07	Air	TO-15	NA		
M2172-08	Air	TO-15	NA		
M2172-09	Air	TO-15	NA		

Cover Page

Order ID : M2172

Project ID : NYSDEC - National Heatset TO-15

Client : EA Engineering Science & Technology

Lab Sample Number

M2172-01
M2172-02
M2172-03
M2172-04
M2172-05
M2172-06
M2172-07
M2172-08
M2172-09

Client Sample Number

SVE-INFLUENT
OFFSITE-DDC-INTERMEDIATE-2
DDC-2-INFLUENT-2
OFFSITE-DDC-INTERMEDIATE-1
DDC-2-EFFLUENT
DDC-2-INFLUENT-1
SVE-EFFLUENT
OFFSITE-DDC-INFLUENT
OFFSITE-DDC-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 2:38 pm, May 06, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

EA Engineering Science & Technology

Project Name: NYSDEC - National Heatset TO-15

Project # N/A

Chemtech Project # M2172

Test Name: TO-15

A. Number of Samples and Date of Receipt:

9 Air samples were received on 04/23/2021.

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 {M2174-01DUP} with File ID: VL036853.D met criteria except for Hexane[33.3%], Methylene Chloride[37.6%] due to difference in result 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 .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples SVE-INFLUENT, DDC-2-INFLUENT-2, OFFSITE-DDC-INTERMEDIATE-1, DDC-2-EFFLUENT, DDC-2-INFLUENT-1, SVE-EFFLUENT, OFFSITE-DDC-INFLUENT and OFFSITE-DDC-EFFLUENT were diluted due to high concentrations.

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 :

Manual Integration Report			
Sequence	VL042721	Instrument	MSVOA_1

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

VSTDICCC010	VL036842.D	1,4-Dioxane	SAM	4/28/2021 3:46:11 PM	MMDadoda	4/29/2021 5:48:48 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL036842.D	Ethanol	SAM	4/28/2021 3:46:11 PM	MMDadoda	4/29/2021 5:48:48 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL036842.D	Isopropyl Alcohol	SAM	4/28/2021 3:46:11 PM	MMDadoda	4/29/2021 5:48:48 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL036842.D	m/p-Xylene	SAM	4/28/2021 3:46:11 PM	MMDadoda	4/29/2021 5:48:48 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	1,1-Dichloroethane	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	1,1-Dichloroethene	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	1,2,4-Trichlorobenzene	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	1,3-Butadiene	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	2-Butanone	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly

VSTDICC002	VL036843.D	2-Hexanone	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	Benzyl Chloride	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	Ethanol	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	Isopropyl Alcohol	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	m/p-Xylene	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	Naphthalene	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL036843.D	Naphthalene,2-methyl-	SAM	4/28/2021 3:48:05 PM	MMDadoda	4/29/2021 5:48:53 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	1,1,2-Trichloroethane	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	1,2,4-Trichlorobenzene	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	1,2-Dibromoethane	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	1,2-Dichlorobenzene	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	1,3-Butadiene	SAM	4/28/2021	MMDadoda	4/29/2021	Peak

				3:46:21 PM		5:49:02 PM	Integrated by Software incorrectly
VSTDICC001	VL036844.D	1,4-Dichlorobenzene	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	1,4-Dioxane	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	t-1,3-Dichloropropene	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	tert-Butyl alcohol	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	Tetrachloroethene	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	Tetrahydrofuran	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL036844.D	Trichloroethene	SAM	4/28/2021 3:46:21 PM	MMDadoda	4/29/2021 5:49:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	1,1,2- Trichlorotrifluoroethane	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	1,1-Dichloroethene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	1,2,4-Trichlorobenzene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	1,2-Dibromoethane	SAM	4/28/2021 3:48:13	MMDadoda	4/29/2021 5:49:06	Peak Integrated

				PM		PM	by Software incorrectly
VSTDICC0.5	VL036845.D	1,2-Dichlorobenzene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	1,3,5-Trimethylbenzene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	1,3-Butadiene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	Naphthalene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	Naphthalene,2-methyl-	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	o-Xylene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	Styrene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	t-1,3-Dichloropropene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	tert-Butyl alcohol	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	Tetrachloroethene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL036845.D	Tetrahydrofuran	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by

							Software incorrectly
VSTDICC0.5	VL036845.D	Trichloroethene	SAM	4/28/2021 3:48:13 PM	MMDadoda	4/29/2021 5:49:06 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL036846.D	1,1,1-Trichloroethane	SAM	4/28/2021 3:49:34 PM	MMDadoda	4/29/2021 5:49:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL036846.D	1,1,2,2-Tetrachloroethane	SAM	4/28/2021 3:49:34 PM	MMDadoda	4/29/2021 5:49:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL036846.D	Carbon Tetrachloride	SAM	4/28/2021 3:49:34 PM	MMDadoda	4/29/2021 5:49:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL036846.D	Tetrachloroethene	SAM	4/28/2021 3:49:34 PM	MMDadoda	4/29/2021 5:49:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL036846.D	Trichloroethene	SAM	4/28/2021 3:49:34 PM	MMDadoda	4/29/2021 5:49:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL036846.D	Vinyl Chloride	SAM	4/28/2021 3:49:34 PM	MMDadoda	4/29/2021 5:49:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL036847.D	1,1,1-Trichloroethane	SAM	4/28/2021 3:48:22 PM	MMDadoda	4/29/2021 5:49:13 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL036847.D	1,1,2,2-Tetrachloroethane	SAM	4/28/2021 3:48:22 PM	MMDadoda	4/29/2021 5:49:13 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL036847.D	Carbon Tetrachloride	SAM	4/28/2021 3:48:22 PM	MMDadoda	4/29/2021 5:49:13 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL036847.D	Tetrachloroethene	SAM	4/28/2021 3:48:22 PM	MMDadoda	4/29/2021 5:49:13 PM	Peak Integrated by Software

							incorrectly
VSTDICC0.03	VL036847.D	Trichloroethene	SAM	4/28/2021 3:48:22 PM	MMDadoda	4/29/2021 5:49:13 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL036847.D	Vinyl Chloride	SAM	4/28/2021 3:48:22 PM	MMDadoda	4/29/2021 5:49:13 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL036848.D	m/p-Xylene	SAM	4/28/2021 3:46:28 PM	MMDadoda	4/29/2021 5:49:16 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL036849.D	Chlorobenzene-d5	SAM	4/28/2021 3:49:42 PM	MMDadoda	4/29/2021 5:49:19 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL036849.D	Ethanol	SAM	4/28/2021 3:49:42 PM	MMDadoda	4/29/2021 5:49:19 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL036849.D	m/p-Xylene	SAM	4/28/2021 3:49:42 PM	MMDadoda	4/29/2021 5:49:19 PM	Peak Integrated by Software incorrectly
VL0427ABS01	VL036851.D	Chlorobenzene-d5	SAM	4/28/2021 3:50:34 PM	MMDadoda	4/29/2021 5:49:26 PM	Peak Integrated by Software incorrectly
VL0427ABS01	VL036851.D	Ethanol	SAM	4/28/2021 3:50:34 PM	MMDadoda	4/29/2021 5:49:26 PM	Peak Integrated by Software incorrectly
VL0427ABS01	VL036851.D	m/p-Xylene	SAM	4/28/2021 3:50:34 PM	MMDadoda	4/29/2021 5:49:26 PM	Peak Integrated by Software incorrectly
M2174-01DUP	VL036853.D	1,2,4-Trimethylbenzene	SAM	4/29/2021 4:32:36 PM	MMDadoda	4/29/2021 5:49:34 PM	Peak Integrated by Software incorrectly
M2174-01DUP	VL036853.D	Carbon Tetrachloride	SAM	4/29/2021 4:32:36 PM	MMDadoda	4/29/2021 5:49:34 PM	Peak Integrated by Software incorrectly

M2174-01DUP	VL036853.D	Chloromethane	SAM	4/29/2021 4:32:36 PM	MMDadoda	4/29/2021 5:49:34 PM	Peak Integrated by Software incorrectly
M2174-01DUP	VL036853.D	Cyclohexane	SAM	4/29/2021 4:32:36 PM	MMDadoda	4/29/2021 5:49:34 PM	Peak Integrated by Software incorrectly
M2174-01DUP	VL036853.D	m/p-Xylene	SAM	4/29/2021 4:32:36 PM	MMDadoda	4/29/2021 5:49:34 PM	Peak Integrated by Software incorrectly
M2174-01DUP	VL036853.D	o-Xylene	SAM	4/29/2021 4:32:36 PM	MMDadoda	4/29/2021 5:49:34 PM	Peak Integrated by Software incorrectly
M2174-01DUP	VL036853.D	Tetrachloroethene	SAM	4/29/2021 4:32:36 PM	MMDadoda	4/29/2021 5:49:34 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	1,1-Dichloroethene	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Benzene	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Carbon Tetrachloride	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Chlorodifluoromethane	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Cyclohexane	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Heptane	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Isopropyl Alcohol	SAM	4/29/2021	MMDadoda	4/29/2021	Peak

				4:32:18 PM		5:50:07 PM	Integrated by Software incorrectly
M2172-02	VL036859.D	m/p-Xylene	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	o-Xylene	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Tetrachloroethene	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Tetrahydrofuran	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	trans-1,2-Dichloroethene	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Trichloroethene	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-02	VL036859.D	Vinyl Chloride	SAM	4/29/2021 4:32:18 PM	MMDadoda	4/29/2021 5:50:07 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	1,1-Dichloroethene	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	Benzene	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	Carbon Tetrachloride	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	Chlorodifluoromethane	SAM	4/28/2021 3:50:40	MMDadoda	4/29/2021 5:50:14	Peak Integrated

				PM		PM	by Software incorrectly
M2172-04	VL036861.D	Cyclohexane	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	Dichlorodifluoromethane	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	m/p-Xylene	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	Tetrachloroethene	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	Tetrahydrofuran	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	Trichloroethene	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04	VL036861.D	Vinyl Chloride	SAM	4/28/2021 3:50:40 PM	MMDadoda	4/29/2021 5:50:14 PM	Peak Integrated by Software incorrectly
M2172-04DL	VL036862.D	Acetone	SAM	4/29/2021 4:32:42 PM	MMDadoda	4/29/2021 5:50:18 PM	Peak Integrated by Software incorrectly
M2172-04DL	VL036862.D	Chlorobenzene-d5	SAM	4/29/2021 4:32:42 PM	MMDadoda	4/29/2021 5:50:18 PM	Peak Integrated by Software incorrectly
M2172-04DL	VL036862.D	cis-1,2-Dichloroethene	SAM	4/29/2021 4:32:42 PM	MMDadoda	4/29/2021 5:50:18 PM	Peak Integrated by Software incorrectly
M2172-04DL	VL036862.D	Ethanol	SAM	4/29/2021 4:32:42 PM	MMDadoda	4/29/2021 5:50:18 PM	Peak Integrated by

							Software incorrectly
M2172-04DL	VL036862.D	Hexane	SAM	4/29/2021 4:32:42 PM	MMDadoda	4/29/2021 5:50:18 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Acetone	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Benzene	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Carbon Tetrachloride	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Chloromethane	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Cyclohexane	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Isopropyl Alcohol	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Tetrachloroethene	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Toluene	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	trans-1,2-Dichloroethene	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software incorrectly
M2172-07	VL036863.D	Trichloroethene	SAM	4/29/2021 4:32:13 PM	MMDadoda	4/29/2021 5:50:21 PM	Peak Integrated by Software

							incorrectly
M2172-07DL	VL036864.D	Ethanol	SAM	4/28/2021 3:46:54 PM	MMDadoda	4/29/2021 5:50:23 PM	Peak Integrated by Software incorrectly
M2172-07DL	VL036864.D	Isopropyl Alcohol	SAM	4/28/2021 3:46:54 PM	MMDadoda	4/29/2021 5:50:23 PM	Peak Integrated by Software incorrectly
M2172-07DL	VL036864.D	Tetrachloroethene	SAM	4/28/2021 3:46:54 PM	MMDadoda	4/29/2021 5:50:23 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	1,1-Dichloroethene	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	2,2,4-Trimethylpentane	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Acetone	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Carbon Tetrachloride	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Cyclohexane	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Dichlorodifluoromethane	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Ethanol	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Isopropyl Alcohol	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly

M2172-08	VL036865.D	m/p-Xylene	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	o-Xylene	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Tetrachloroethene	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Tetrahydrofuran	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	trans-1,2-Dichloroethene	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Trichloroethene	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08	VL036865.D	Vinyl Chloride	SAM	4/29/2021 4:32:01 PM	MMDadoda	4/29/2021 5:50:25 PM	Peak Integrated by Software incorrectly
M2172-08DL	VL036866.D	Acetone	SAM	4/28/2021 3:50:15 PM	MMDadoda	4/29/2021 5:50:26 PM	Peak Integrated by Software incorrectly
M2172-08DL	VL036866.D	Ethanol	SAM	4/28/2021 3:50:15 PM	MMDadoda	4/29/2021 5:50:26 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	1,1-Dichloroethene	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	2,2,4-Trimethylpentane	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	Carbon Tetrachloride	SAM	4/28/2021	MMDadoda	4/29/2021	Peak

				3:47:12 PM		5:50:28 PM	Integrated by Software incorrectly
M2172-09	VL036867.D	Chlorodifluoromethane	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	Cyclohexane	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	Ethanol	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	Ethyl Benzene	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	Hexane	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	Isopropyl Alcohol	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	m/p-Xylene	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	o-Xylene	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	Tetrachloroethene	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	Tetrahydrofuran	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09	VL036867.D	trans-1,2-Dichloroethene	SAM	4/28/2021 3:47:12	MMDadoda	4/29/2021 5:50:28	Peak Integrated

				PM		PM	by Software incorrectly
M2172-09	VL036867.D	Vinyl Chloride	SAM	4/28/2021 3:47:12 PM	MMDadoda	4/29/2021 5:50:28 PM	Peak Integrated by Software incorrectly
M2172-09DL	VL036868.D	Acetone	SAM	4/28/2021 3:48:40 PM	MMDadoda	4/29/2021 5:50:30 PM	Peak Integrated by Software incorrectly
M2172-09DL	VL036868.D	Ethanol	SAM	4/28/2021 3:48:40 PM	MMDadoda	4/29/2021 5:50:30 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	Benzene	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	Carbon Tetrachloride	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	Chlorodifluoromethane	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	Chloroform	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	cis-1,2-Dichloroethene	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	Cyclohexane	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	m/p-Xylene	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	Propene	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by

							Software incorrectly
M2172-05	VL036869.D	Tetrachloroethene	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-05	VL036869.D	Tetrahydrofuran	SAM	4/28/2021 3:47:19 PM	MMDadoda	4/29/2021 5:50:32 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	1,1-Dichloroethene	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	1,3,5-Trimethylbenzene	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	Chloromethane	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	Cyclohexane	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	n-Butylbenzene	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	n-propylbenzene	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	Naphthalene	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	Styrene	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	Tetrahydrofuran	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software

							incorrectly
M2172-06	VL036870.D	Trichloroethene	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-06	VL036870.D	Vinyl Chloride	SAM	4/29/2021 4:31:54 PM	MMDadoda	4/29/2021 5:50:33 PM	Peak Integrated by Software incorrectly
M2172-03	VL036871.D	1,1,1-Trichloroethane	SAM	4/28/2021 3:46:45 PM	MMDadoda	4/29/2021 5:50:35 PM	Peak Integrated by Software incorrectly
M2172-03	VL036871.D	1,1,2-Trichlorotrifluoroethane	SAM	4/28/2021 3:46:45 PM	MMDadoda	4/29/2021 5:50:35 PM	Peak Integrated by Software incorrectly
M2172-03	VL036871.D	Trichlorofluoromethane	SAM	4/28/2021 3:46:45 PM	MMDadoda	4/29/2021 5:50:35 PM	Peak Integrated by Software incorrectly
M2172-03	VL036871.D	Vinyl Chloride	SAM	4/28/2021 3:46:45 PM	MMDadoda	4/29/2021 5:50:35 PM	Peak Integrated by Software incorrectly

Manual Integration Report			
Sequence	VL042821	Instrument	MSVOA_1

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

VSTDCCC010	VL036874.D	Chlorobenzene-d5	SAM	4/29/2021 12:40:50 PM	MMDadoda	4/29/2021 5:53:55 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL036874.D	Ethanol	SAM	4/29/2021 12:40:50 PM	MMDadoda	4/29/2021 5:53:55 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL036874.D	m/p-Xylene	SAM	4/29/2021 12:40:50 PM	MMDadoda	4/29/2021 5:53:55 PM	Peak Integrated by Software incorrectly
VL0428ABS01	VL036876.D	1,4-Dioxane	SAM	4/29/2021	MMDadoda	4/29/2021	Peak

				12:40:55 PM		5:53:50 PM	Integrated by Software incorrectly
VL0428ABS01	VL036876.D	Chlorobenzene-d5	SAM	4/29/2021 12:40:55 PM	MMDadoda	4/29/2021 5:53:50 PM	Peak Integrated by Software incorrectly
VL0428ABS01	VL036876.D	Ethanol	SAM	4/29/2021 12:40:55 PM	MMDadoda	4/29/2021 5:53:50 PM	Peak Integrated by Software incorrectly
VL0428ABS01	VL036876.D	m/p-Xylene	SAM	4/29/2021 12:40:55 PM	MMDadoda	4/29/2021 5:53:50 PM	Peak Integrated by Software incorrectly
VL0428ABS01	VL036876.D	Methylene Chloride	SAM	4/29/2021 12:40:55 PM	MMDadoda	4/29/2021 5:53:50 PM	Peak Integrated by Software incorrectly
VL0428ABS01	VL036876.D	Naphthalene	SAM	4/29/2021 12:40:55 PM	MMDadoda	4/29/2021 5:53:50 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	2,2,4-Trimethylpentane	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	Benzene	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	Carbon Tetrachloride	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	Chloroform	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	Chloromethane	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	cis-1,2-Dichloroethene	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	Cyclohexane	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	Ethanol	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly

M2172-01	VL036877.D	Isopropyl Alcohol	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	m/p-Xylene	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	Tetrachloroethene	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01	VL036877.D	Trichloroethene	SAM	4/29/2021 12:45:25 PM	MMDadoda	4/29/2021 5:53:48 PM	Peak Integrated by Software incorrectly
M2172-01DL	VL036878.D	Ethanol	SAM	4/29/2021 12:41:03 PM	MMDadoda	4/29/2021 5:53:46 PM	Peak Integrated by Software incorrectly
M2172-01DL	VL036878.D	Isopropyl Alcohol	SAM	4/29/2021 12:41:03 PM	MMDadoda	4/29/2021 5:53:46 PM	Peak Integrated by Software incorrectly
M2172-01DL	VL036878.D	Propene	SAM	4/29/2021 12:41:03 PM	MMDadoda	4/29/2021 5:53:46 PM	Peak Integrated by Software incorrectly
M2172-01DL	VL036878.D	Tetrachloroethene	SAM	4/29/2021 12:41:03 PM	MMDadoda	4/29/2021 5:53:46 PM	Peak Integrated by Software incorrectly
M2172-05DL	VL036886.D	Ethanol	SAM	4/29/2021 12:46:31 PM	MMDadoda	4/29/2021 5:53:30 PM	Peak Integrated by Software incorrectly
M2172-05DL	VL036886.D	Isopropyl Alcohol	SAM	4/29/2021 12:46:31 PM	MMDadoda	4/29/2021 5:53:30 PM	Peak Integrated by Software incorrectly
M2172-06DL	VL036887.D	Carbon Tetrachloride	SAM	4/29/2021 12:46:56 PM	MMDadoda	4/29/2021 5:53:28 PM	Peak Integrated by Software incorrectly
M2172-06DL	VL036887.D	tert-Butyl alcohol	SAM	4/29/2021 12:46:56 PM	MMDadoda	4/29/2021 5:53:28 PM	Peak Integrated by Software incorrectly
M2172-06DL	VL036887.D	Tetrachloroethene	SAM	4/29/2021 12:46:56 PM	MMDadoda	4/29/2021 5:53:28 PM	Peak Integrated by Software incorrectly
M2172-06DL	VL036887.D	Toluene	SAM	4/29/2021 12:46:56 PM	MMDadoda	4/29/2021 5:53:28 PM	Peak Integrated by Software

							incorrectly
M2172-03DL	VL036888.D	Carbon Tetrachloride	SAM	4/29/2021 12:41:23 PM	MMDadoda	4/29/2021 5:53:26 PM	Peak Integrated by Software incorrectly
M2172-03DL	VL036888.D	cis-1,2-Dichloroethene	SAM	4/29/2021 12:41:23 PM	MMDadoda	4/29/2021 5:53:26 PM	Peak Integrated by Software incorrectly
M2172-03DL	VL036888.D	tert-Butyl alcohol	SAM	4/29/2021 12:41:23 PM	MMDadoda	4/29/2021 5:53:26 PM	Peak Integrated by Software incorrectly
M2172-03DL	VL036888.D	Tetrachloroethene	SAM	4/29/2021 12:41:23 PM	MMDadoda	4/29/2021 5:53:26 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 2:38 pm, May 06, 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 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 #: M2172

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 Custody

✓

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: SOHIL JODHANI

Date: 05/06/2021

2nd Level QA Review Signature:

*N. N. Pandya***APPROVED**

By Nimisha Pandya, QA/QC Supervisor at 2:39 pm, May 06, 2021



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID: M2172	OrderDate: 4/23/2021 12:53:00 PM
Client: EA Engineering Science & Technology	Project: NYSDEC - National Heatset TO-15
Contact: Emily Cummings	Location: Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M2172-01	SVE-INFLUENT	Air	TO-15	TO-15	04/20/21		04/28/21	04/23/21
M2172-01D L	SVE-INFLUENTDL	Air	TO-15	TO-15	04/20/21		04/28/21	04/23/21
M2172-02	OFFSITE-DDC-INTERM EDIATE-2	Air	TO-15	TO-15	04/20/21		04/27/21	04/23/21
M2172-03	DDC-2-INFLUENT-2	Air	TO-15	TO-15	04/20/21		04/27/21	04/23/21
M2172-03D L	DDC-2-INFLUENT-2DL	Air	TO-15	TO-15	04/20/21		04/28/21	04/23/21
M2172-04	OFFSITE-DDC-INTERM EDIATE-1	Air	TO-15	TO-15	04/20/21		04/27/21	04/23/21
M2172-04D L	OFFSITE-DDC-INTERM EDIATE-1DL	Air	TO-15	TO-15	04/20/21		04/27/21	04/23/21
M2172-05	DDC-2-EFFLUENT	Air	TO-15	TO-15	04/20/21		04/27/21	04/23/21
M2172-05D L	DDC-2-EFFLUENTDL	Air	TO-15	TO-15	04/20/21		04/28/21	04/23/21
M2172-06	DDC-2-INFLUENT-1	Air	TO-15	TO-15	04/20/21		04/27/21	04/23/21



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

M2172-06D L	DDC-2-INFLUENT-1DL	Air		04/20/21	04/23/21
			TO-15	TO-15	04/28/21
M2172-07	SVE-EFFLUENT	Air		04/20/21	04/23/21
			TO-15	TO-15	04/27/21
M2172-07D L	SVE-EFFLUENTDL	Air		04/20/21	04/23/21
			TO-15	TO-15	04/27/21
M2172-08	OFFSITE-DDC-INFLUE NT	Air		04/20/21	04/23/21
			TO-15	TO-15	04/27/21
M2172-08D L	OFFSITE-DDC-INFLUE NTDL	Air		04/20/21	04/23/21
			TO-15	TO-15	04/27/21
M2172-09	OFFSITE-DDC-EFFLUE NT	Air		04/20/21	04/23/21
			TO-15	TO-15	04/27/21
M2172-09D L	OFFSITE-DDC-EFFLUE NTDL	Air		04/20/21	04/23/21
			TO-15	TO-15	04/27/21

Hit Summary Sheet SW-846

SDG No.: M2172

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: SVE-INFLUENT								
M2172-01	SVE-INFLUENT	Air	Dichlorodifluoromethane	1.29	J	0.35	2.47	ug/m3
M2172-01	SVE-INFLUENT	Air	Chloromethane	0.56	J	0.080	1.03	ug/m3
M2172-01	SVE-INFLUENT	Air	Trichlorofluoromethane	1.63	J	0.22	2.81	ug/m3
M2172-01	SVE-INFLUENT	Air	Acetone	13.50		0.90	1.19	ug/m3
M2172-01	SVE-INFLUENT	Air	Methylene Chloride	74.70	E	1.46	1.74	ug/m3
M2172-01	SVE-INFLUENT	Air	Cyclohexane	0.79	J	0.24	1.72	ug/m3
M2172-01	SVE-INFLUENT	Air	2-Butanone	1.71		0.090	1.47	ug/m3
M2172-01	SVE-INFLUENT	Air	Carbon Tetrachloride	0.44		0.13	0.19	ug/m3
M2172-01	SVE-INFLUENT	Air	cis-1,2-Dichloroethene	3.05		0.16	1.98	ug/m3
M2172-01	SVE-INFLUENT	Air	Chloroform	1.51	J	0.20	2.44	ug/m3
M2172-01	SVE-INFLUENT	Air	1,1,1-Trichloroethane	0.71		0.11	0.16	ug/m3
M2172-01	SVE-INFLUENT	Air	2,2,4-Trimethylpentane	0.61	J	0.14	2.34	ug/m3
M2172-01	SVE-INFLUENT	Air	Benzene	0.51	J	0.10	1.60	ug/m3
M2172-01	SVE-INFLUENT	Air	Trichloroethene	1.07		0.11	0.16	ug/m3
M2172-01	SVE-INFLUENT	Air	Toluene	2.34		0.11	1.88	ug/m3
M2172-01	SVE-INFLUENT	Air	Tetrachloroethene	6.24		0.14	0.20	ug/m3
M2172-01	SVE-INFLUENT	Air	m/p-Xylene	0.65	J	0.26	4.34	ug/m3
M2172-01	SVE-INFLUENT	Air	Hexane	26.80		0.11	1.76	ug/m3
Total Voc :				138.12				
Total Concentration:				138.12				
Client ID: SVE-INFLUENTDL								
M2172-01DL	SVE-INFLUENTDL	Air	Acetone	17.10	D	9.03	11.9	ug/m3
M2172-01DL	SVE-INFLUENTDL	Air	Methylene Chloride	160.00	D	14.6	17.4	ug/m3
M2172-01DL	SVE-INFLUENTDL	Air	Tetrachloroethene	5.42	D	1.29	2.03	ug/m3
M2172-01DL	SVE-INFLUENTDL	Air	Hexane	34.50	D	0.99	17.6	ug/m3
Total Voc :				216.87				
Total Concentration:				216.87				
Client ID: OFFSITE-DDC-INTERMEDIATE-2								
M2172-02	OFFSITE-DDC-INTERM	Air	Dichlorodifluoromethane	0.99	J	0.35	2.47	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Chloromethane	0.95	J	0.080	1.03	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Vinyl Chloride	0.41		0.080	0.080	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Tetrahydrofuran	2.04		0.12	1.47	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Trichlorofluoromethane	1.52	J	0.22	2.81	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Heptane	0.45	J	0.12	2.05	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	1,1-Dichloroethene	0.52	J	0.20	1.98	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Acetone	12.60		0.90	1.19	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Methylene Chloride	25.70		1.46	1.74	ug/m3

Hit Summary Sheet

SW-846

SDG No.: M2172

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2172-02	OFFSITE-DDC-INTERM	Air	trans-1,2-Dichloroethene	0.87	J	0.24	1.98	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Cyclohexane	1.14	J	0.24	1.72	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	2-Butanone	13.60		0.090	1.47	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Carbon Tetrachloride	0.50		0.13	0.19	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	cis-1,2-Dichloroethene	36.50		0.16	1.98	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Chloroform	2.44		0.20	2.44	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	2,2,4-Trimethylpentane	0.75	J	0.14	2.34	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Benzene	0.93	J	0.10	1.60	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Trichloroethene	0.21		0.11	0.16	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Toluene	3.24		0.11	1.88	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Tetrachloroethene	2.64		0.14	0.20	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	m/p-Xylene	1.13	J	0.26	4.34	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	o-Xylene	0.56	J	0.17	2.17	ug/m3
M2172-02	OFFSITE-DDC-INTERM	Air	Hexane	11.60		0.11	1.76	ug/m3
Total Voc :				121.27				
Total Concentration:				121.27				
Client ID:	DDC-2-INFLUENT-2							
M2172-03	DDC-2-INFLUENT-2	Air	Dichlorodifluoromethane	0.79	J	0.35	2.47	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Chloromethane	1.24		0.080	1.03	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Vinyl Chloride	0.46		0.080	0.080	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Chloroethane	0.34	J	0.11	1.32	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Trichlorofluoromethane	1.52	J	0.22	2.81	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	1,1,2-Trichlorotrifluoroethane	0.84	J	0.31	3.83	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	tert-Butyl alcohol	46.40	E	0.12	1.52	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Heptane	1.97	J	0.12	2.05	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	1,1-Dichloroethene	0.63	J	0.20	1.98	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Acetone	226.00	E	0.90	1.19	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Methyl tert-Butyl Ether	0.47	J	0.11	1.80	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Methylene Chloride	6.95		1.46	1.74	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Cyclohexane	1.96		0.24	1.72	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	2-Butanone	41.60		0.090	1.47	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Carbon Tetrachloride	6.29		0.13	0.19	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	cis-1,2-Dichloroethene	13.50		0.16	1.98	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Chloroform	14.20		0.20	2.44	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	1,1,1-Trichloroethane	1.20		0.11	0.16	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	2,2,4-Trimethylpentane	2.94		0.14	2.34	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Benzene	2.30		0.10	1.60	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Trichloroethene	2.10		0.11	0.16	ug/m3

Hit Summary Sheet

SW-846

SDG No.: M2172

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2172-03	DDC-2-INFLUENT-2	Air	4-Methyl-2-Pentanone	5.74		0.12	2.05	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Toluene	10.90		0.11	1.88	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Tetrachloroethene	14.20		0.14	0.20	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Chlorobenzene	0.46	J	0.14	2.30	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Ethyl Benzene	2.82		0.13	2.17	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	m/p-Xylene	9.56		0.26	4.34	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	o-Xylene	4.78		0.17	2.17	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Styrene	0.72	J	0.13	2.13	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	1,3,5-Trimethylbenzene	1.62	J	0.10	2.46	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	1,2,4-Trimethylbenzene	7.87		0.15	2.46	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	Naphthalene	1.89	J	0.26	2.62	ug/m3
M2172-03	DDC-2-INFLUENT-2	Air	4-Ethyltoluene	2.26	J	0.15	2.46	ug/m3
Total Voc :				436.63				
Total Concentration:				436.63				
Client ID:	DDC-2-INFLUENT-2DL							
M2172-03DL	DDC-2-INFLUENT-2DL	Air	tert-Butyl alcohol	40.60	D	1.18	15.2	ug/m3
M2172-03DL	DDC-2-INFLUENT-2DL	Air	Acetone	238.00	D	9.03	11.9	ug/m3
M2172-03DL	DDC-2-INFLUENT-2DL	Air	2-Butanone	28.90	D	0.94	14.8	ug/m3
M2172-03DL	DDC-2-INFLUENT-2DL	Air	Carbon Tetrachloride	6.29	D	1.13	1.89	ug/m3
M2172-03DL	DDC-2-INFLUENT-2DL	Air	cis-1,2-Dichloroethene	9.12	JD	1.39	19.8	ug/m3
M2172-03DL	DDC-2-INFLUENT-2DL	Air	Chloroform	12.70	JD	1.76	24.4	ug/m3
M2172-03DL	DDC-2-INFLUENT-2DL	Air	Toluene	6.03	JD	0.98	18.8	ug/m3
M2172-03DL	DDC-2-INFLUENT-2DL	Air	Tetrachloroethene	9.49	D	1.29	2.03	ug/m3
Total Voc :				350.7				
Total Concentration:				350.7				
Client ID:	OFFSITE-DDC-INTERMEDIATE-1							
M2172-04	OFFSITE-DDC-INTERM	Air	Dichlorodifluoromethane	1.24	J	0.35	2.47	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Chloromethane	0.72	J	0.080	1.03	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Vinyl Chloride	0.54		0.080	0.080	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Tetrahydrofuran	0.94	J	0.12	1.47	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Trichlorofluoromethane	1.24	J	0.22	2.81	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	1,1-Dichloroethene	0.52	J	0.20	1.98	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Acetone	12.60		0.90	1.19	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Methylene Chloride	64.60	E	1.46	1.74	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	trans-1,2-Dichloroethene	0.87	J	0.24	1.98	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Cyclohexane	1.10	J	0.24	1.72	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	2-Butanone	2.45		0.090	1.47	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Carbon Tetrachloride	0.44		0.13	0.19	ug/m3

Hit Summary Sheet

SW-846

SDG No.: M2172

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2172-04	OFFSITE-DDC-INTERM	Air	cis-1,2-Dichloroethene	34.10		0.16	1.98	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Chloroform	2.20	J	0.20	2.44	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	2,2,4-Trimethylpentane	0.65	J	0.14	2.34	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Benzene	0.70	J	0.10	1.60	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Trichloroethene	0.97		0.11	0.16	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Toluene	2.37		0.11	1.88	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Tetrachloroethene	0.41		0.14	0.20	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	m/p-Xylene	0.78	J	0.26	4.34	ug/m3
M2172-04	OFFSITE-DDC-INTERM	Air	Hexane	26.80		0.11	1.76	ug/m3
Total Voc :				156.23				
Total Concentration:				156.23				
Client ID:	OFFSITE-DDC-INTERMEDIATE-1DL							
M2172-04DL	OFFSITE-DDC-INTERM	Air	Acetone	18.80	D	9.03	11.9	ug/m3
M2172-04DL	OFFSITE-DDC-INTERM	Air	Methylene Chloride	72.60	D	14.6	17.4	ug/m3
M2172-04DL	OFFSITE-DDC-INTERM	Air	cis-1,2-Dichloroethene	24.60	D	1.39	19.8	ug/m3
M2172-04DL	OFFSITE-DDC-INTERM	Air	Hexane	25.40	D	0.99	17.6	ug/m3
Total Voc :				141.34				
Total Concentration:				141.34				
Client ID:	DDC-2-EFFLUENT							
M2172-05	DDC-2-EFFLUENT	Air	Dichlorodifluoromethane	1.24	J	0.35	2.47	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Chloromethane	0.97	J	0.080	1.03	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Tetrahydrofuran	0.74	J	0.12	1.47	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Trichlorofluoromethane	1.18	J	0.22	2.81	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	tert-Butyl alcohol	8.19		0.12	1.52	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Acetone	68.40	E	0.90	1.19	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Methylene Chloride	2.68		1.46	1.74	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Cyclohexane	1.07	J	0.24	1.72	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	2-Butanone	7.96		0.090	1.47	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Carbon Tetrachloride	0.75		0.13	0.19	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	cis-1,2-Dichloroethene	1.39	J	0.16	1.98	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Chloroform	1.37	J	0.20	2.44	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	2,2,4-Trimethylpentane	0.61	J	0.14	2.34	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Benzene	0.70	J	0.10	1.60	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	4-Methyl-2-Pentanone	0.70	J	0.12	2.05	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Toluene	3.69		0.11	1.88	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Tetrachloroethene	0.88		0.14	0.20	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	m/p-Xylene	1.30	J	0.26	4.34	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	o-Xylene	0.56	J	0.17	2.17	ug/m3

Hit Summary Sheet

SW-846

SDG No.: M2172

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2172-05	DDC-2-EFFLUENT	Air	1,2,4-Trimethylbenzene	0.79	J	0.15	2.46	ug/m3
M2172-05	DDC-2-EFFLUENT	Air	Hexane	1.23	J	0.11	1.76	ug/m3
			Total Voc :	106.41				
			Total Concentration:	106.41				
Client ID: M2172-05DL	DDC-2-EFFLUENTDL DDC-2-EFFLUENTDL	Air	Acetone	70.50	D	9.03	11.9	ug/m3
			Total Voc :	70.55				
			Total Concentration:	70.55				
Client ID: M2172-06	DDC-2-INFLUENT-1 DDC-2-INFLUENT-1	Air	Dichlorodifluoromethane	0.84	J	0.35	2.47	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Chloromethane	1.20		0.080	1.03	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Vinyl Chloride	0.51		0.080	0.080	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Tetrahydrofuran	1.21	J	0.12	1.47	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Trichlorofluoromethane	1.46	J	0.22	2.81	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	tert-Butyl alcohol	31.20		0.12	1.52	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Heptane	0.98	J	0.12	2.05	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	1,1-Dichloroethene	0.56	J	0.20	1.98	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Acetone	177.00	E	0.90	1.19	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Methylene Chloride	18.10		1.46	1.74	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Cyclohexane	2.93		0.24	1.72	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	2-Butanone	29.80		0.090	1.47	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Carbon Tetrachloride	8.18		0.13	0.19	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	cis-1,2-Dichloroethene	15.90		0.16	1.98	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Chloroform	17.10		0.20	2.44	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	1,1,1-Trichloroethane	1.31		0.11	0.16	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	2,2,4-Trimethylpentane	2.01	J	0.14	2.34	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Benzene	2.27		0.10	1.60	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Trichloroethene	3.06		0.11	0.16	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	4-Methyl-2-Pentanone	4.51		0.12	2.05	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Toluene	9.80		0.11	1.88	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Tetrachloroethene	62.40		0.14	0.20	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Ethyl Benzene	2.30		0.13	2.17	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	m/p-Xylene	8.25		0.26	4.34	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	o-Xylene	4.04		0.17	2.17	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Styrene	0.47	J	0.13	2.13	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	1,3,5-Trimethylbenzene	1.43	J	0.10	2.46	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	1,2,4-Trimethylbenzene	7.37		0.15	2.46	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Naphthalene	1.42	J	0.26	2.62	ug/m3

Hit Summary Sheet

SW-846

SDG No.: M2172

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2172-06	DDC-2-INFLUENT-1	Air	4-Ethyltoluene	1.72	J	0.15	2.46	ug/m3
M2172-06	DDC-2-INFLUENT-1	Air	Hexane	10.60		0.11	1.76	ug/m3
Total Voc :				429.31				
Total Concentration:				429.31				
Client ID:	DDC-2-INFLUENT-1DL							
M2172-06DL	DDC-2-INFLUENT-1DL	Air	tert-Butyl alcohol	27.00	D	1.18	15.2	ug/m3
M2172-06DL	DDC-2-INFLUENT-1DL	Air	Acetone	180.00	D	9.03	11.9	ug/m3
M2172-06DL	DDC-2-INFLUENT-1DL	Air	2-Butanone	19.50	D	0.94	14.8	ug/m3
M2172-06DL	DDC-2-INFLUENT-1DL	Air	Carbon Tetrachloride	7.55	D	1.13	1.89	ug/m3
M2172-06DL	DDC-2-INFLUENT-1DL	Air	cis-1,2-Dichloroethene	8.72	JD	1.39	19.8	ug/m3
M2172-06DL	DDC-2-INFLUENT-1DL	Air	Chloroform	14.20	JD	1.76	24.4	ug/m3
M2172-06DL	DDC-2-INFLUENT-1DL	Air	Toluene	6.03	JD	0.98	18.8	ug/m3
M2172-06DL	DDC-2-INFLUENT-1DL	Air	Tetrachloroethene	44.10	D	1.29	2.03	ug/m3
Total Voc :				307.29				
Total Concentration:				307.29				
Client ID:	SVE-EFFLUENT							
M2172-07	SVE-EFFLUENT	Air	Dichlorodifluoromethane	1.34	J	0.35	2.47	ug/m3
M2172-07	SVE-EFFLUENT	Air	Chloromethane	0.58	J	0.080	1.03	ug/m3
M2172-07	SVE-EFFLUENT	Air	Trichlorofluoromethane	1.63	J	0.22	2.81	ug/m3
M2172-07	SVE-EFFLUENT	Air	Acetone	7.36		0.90	1.19	ug/m3
M2172-07	SVE-EFFLUENT	Air	Methylene Chloride	87.90	E	1.46	1.74	ug/m3
M2172-07	SVE-EFFLUENT	Air	trans-1,2-Dichloroethene	0.56	J	0.24	1.98	ug/m3
M2172-07	SVE-EFFLUENT	Air	Cyclohexane	1.00	J	0.24	1.72	ug/m3
M2172-07	SVE-EFFLUENT	Air	2-Butanone	1.18	J	0.090	1.47	ug/m3
M2172-07	SVE-EFFLUENT	Air	Carbon Tetrachloride	0.31		0.13	0.19	ug/m3
M2172-07	SVE-EFFLUENT	Air	cis-1,2-Dichloroethene	16.60		0.16	1.98	ug/m3
M2172-07	SVE-EFFLUENT	Air	Chloroform	1.86	J	0.20	2.44	ug/m3
M2172-07	SVE-EFFLUENT	Air	1,1,1-Trichloroethane	0.55		0.11	0.16	ug/m3
M2172-07	SVE-EFFLUENT	Air	Benzene	0.35	J	0.10	1.60	ug/m3
M2172-07	SVE-EFFLUENT	Air	Trichloroethene	0.27		0.11	0.16	ug/m3
M2172-07	SVE-EFFLUENT	Air	Toluene	2.41		0.11	1.88	ug/m3
M2172-07	SVE-EFFLUENT	Air	Tetrachloroethene	5.22		0.14	0.20	ug/m3
M2172-07	SVE-EFFLUENT	Air	Hexane	34.90		0.11	1.76	ug/m3
Total Voc :				164.05				
Total Concentration:				164.05				
Client ID:	SVE-EFFLUENTDL							
M2172-07DL	SVE-EFFLUENTDL	Air	Acetone	17.30	D	9.03	11.9	ug/m3
M2172-07DL	SVE-EFFLUENTDL	Air	Methylene Chloride	91.70	D	14.6	17.4	ug/m3
M2172-07DL	SVE-EFFLUENTDL	Air	cis-1,2-Dichloroethene	12.30	JD	1.39	19.8	ug/m3

Hit Summary Sheet

SW-846

SDG No.: M2172

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2172-07DL	SVE-EFFLUENTDL	Air	Tetrachloroethene	4.34	D	1.29	2.03	ug/m3
M2172-07DL	SVE-EFFLUENTDL	Air	Hexane	26.40	D	0.99	17.6	ug/m3
			Total Voc :	152.11				
			Total Concentration:	152.11				
Client ID:	OFFSITE-DDC-INFLUENT							
M2172-08	OFFSITE-DDC-INFLUEI	Air	Dichlorodifluoromethane	1.19	J	0.35	2.47	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Chloromethane	0.83	J	0.080	1.03	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Vinyl Chloride	0.41		0.080	0.080	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Tetrahydrofuran	1.06	J	0.12	1.47	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Trichlorofluoromethane	1.29	J	0.22	2.81	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	1,1-Dichloroethene	0.59	J	0.20	1.98	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Acetone	9.03		0.90	1.19	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Methylene Chloride	62.90	E	1.46	1.74	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	trans-1,2-Dichloroethene	0.83	J	0.24	1.98	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Cyclohexane	1.14	J	0.24	1.72	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	2-Butanone	2.89		0.090	1.47	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Carbon Tetrachloride	0.38		0.13	0.19	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	cis-1,2-Dichloroethene	37.70		0.16	1.98	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Chloroform	2.69		0.20	2.44	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	2,2,4-Trimethylpentane	0.65	J	0.14	2.34	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Benzene	0.77	J	0.10	1.60	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Trichloroethene	0.43		0.11	0.16	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Toluene	3.77		0.11	1.88	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Tetrachloroethene	0.41		0.14	0.20	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	m/p-Xylene	0.91	J	0.26	4.34	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	o-Xylene	0.43	J	0.17	2.17	ug/m3
M2172-08	OFFSITE-DDC-INFLUEI	Air	Hexane	26.40		0.11	1.76	ug/m3
			Total Voc :	156.68				
			Total Concentration:	156.68				
Client ID:	OFFSITE-DDC-INFLUENTDL							
M2172-08DL	OFFSITE-DDC-INFLUEI	Air	Acetone	20.40	D	9.03	11.9	ug/m3
M2172-08DL	OFFSITE-DDC-INFLUEI	Air	Methylene Chloride	66.70	D	14.6	17.4	ug/m3
M2172-08DL	OFFSITE-DDC-INFLUEI	Air	cis-1,2-Dichloroethene	25.00	D	1.39	19.8	ug/m3
M2172-08DL	OFFSITE-DDC-INFLUEI	Air	Hexane	20.40	D	0.99	17.6	ug/m3
			Total Voc :	132.55				
			Total Concentration:	132.55				
Client ID:	OFFSITE-DDC-EFFLUENT							
M2172-09	OFFSITE-DDC-EFFLUE	Air	Dichlorodifluoromethane	0.84	J	0.35	2.47	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Chloromethane	0.72	J	0.080	1.03	ug/m3

Hit Summary Sheet

SW-846

SDG No.: M2172

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2172-09	OFFSITE-DDC-EFFLUE	Air	Vinyl Chloride	0.51		0.080	0.080	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Tetrahydrofuran	1.18	J	0.12	1.47	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Trichlorofluoromethane	1.52	J	0.22	2.81	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	1,1-Dichloroethene	0.87	J	0.20	1.98	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Acetone	9.74		0.90	1.19	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Methylene Chloride	6.60		1.46	1.74	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	trans-1,2-Dichloroethene	1.78	J	0.24	1.98	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	1,1-Dichloroethane	1.58	J	0.16	2.02	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Cyclohexane	1.20	J	0.24	1.72	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	2-Butanone	2.68		0.090	1.47	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Carbon Tetrachloride	0.44		0.13	0.19	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	cis-1,2-Dichloroethene	102.00	E	0.16	1.98	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Chloroform	4.74		0.20	2.44	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	2,2,4-Trimethylpentane	0.61	J	0.14	2.34	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Benzene	0.67	J	0.10	1.60	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Toluene	4.15		0.11	1.88	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Tetrachloroethene	0.47		0.14	0.20	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Ethyl Benzene	0.43	J	0.13	2.17	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	m/p-Xylene	1.09	J	0.26	4.34	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	o-Xylene	0.48	J	0.17	2.17	ug/m3
M2172-09	OFFSITE-DDC-EFFLUE	Air	Hexane	3.03		0.11	1.76	ug/m3
Total Voc :				146.83				
Total Concentration:				146.83				
Client ID:	OFFSITE-DDC-EFFLUENTDL							
M2172-09DL	OFFSITE-DDC-EFFLUE	Air	Acetone	14.50	D	9.03	11.9	ug/m3
M2172-09DL	OFFSITE-DDC-EFFLUE	Air	cis-1,2-Dichloroethene	74.50	D	1.39	19.8	ug/m3
Total Voc :				89.03				
Total Concentration:				89.03				

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : SVE-INFLUENT

Analysis Date : 04/28/21

Laboratory Id Number : M2172-01

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	0.26	J	1.29		
Chloromethane	74-87-3	50.49	0.27	J	0.56		
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	0.29	J	1.63		
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	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	5.7		13.5		
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	21.5	E	74.7		
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	0.23	J	0.79		
2-Butanone	78-93-3	72.11	0.58		1.71		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.77		3.05		
Chloroform	67-66-3	119.4	0.31	J	1.51		
1,1,1-Trichloroethane	71-55-6	133.4	0.13		0.71		
2,2,4-Trimethylpentane	540-84-1	114.2	0.13	J	0.61		
Benzene	71-43-2	78.11	0.16	J	0.51		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.2		1.07		
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	0.62		2.34		
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 : 04/20/21

Field Id Number : SVE-INFLUENT

Analysis Date : 04/28/21

Laboratory Id Number : M2172-01

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.92		6.24		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.15	J	0.65		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
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	7.6		26.8		
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 : 04/20/21

Field Id Number : SVE-INFLUENTDL

Analysis Date : 04/28/21

Laboratory Id Number : M2172-01DL

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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	7.2	D	17.1		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	46	D	159		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	5	UD	19.8		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : SVE-INFLUENTDL

Analysis Date : 04/28/21

Laboratory Id Number : M2172-01DL

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	0.8	D	5.42		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	9.8	D	34.5		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : OFFSITE-DDC-INTERME

Analysis Date : 04/27/21

Laboratory Id Number : M2172-02

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	0.2	J	0.99		
Chloromethane	74-87-3	50.49	0.46	J	0.95		
Vinyl Chloride	75-01-4	62.5	0.16		0.41		
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	0.69		2.04		
Trichlorofluoromethane	75-69-4	137.4	0.27	J	1.52		
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	0.11	J	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.13	J	0.52		
Acetone	67-64-1	58.08	5.3		12.6		
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	7.4		25.7		
trans-1,2-Dichloroethene	156-60-5	96.94	0.22	J	0.87		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.33	J	1.14		
2-Butanone	78-93-3	72.11	4.6		13.6		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	9.2		36.5		
Chloroform	67-66-3	119.4	0.5		2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.16	J	0.75		
Benzene	71-43-2	78.11	0.29	J	0.93		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.04		0.21		
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	0.86		3.24		
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 : 04/20/21

Field Id Number : OFFSITE-DDC-INTERME

Analysis Date : 04/27/21

Laboratory Id Number : M2172-02

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.39		2.64		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.26	J	1.13		
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	3.3		11.6		
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 : 04/20/21

Field Id Number : DDC-2-INFLUENT-2

Analysis Date : 04/27/21

Laboratory Id Number : M2172-03

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	0.16	J	0.79		
Chloromethane	74-87-3	50.49	0.6		1.24		
Vinyl Chloride	75-01-4	62.5	0.18		0.46		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.13	J	0.34		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.27	J	1.52		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.11	J	0.84		
tert-Butyl alcohol	75-65-0	74.12	15.3	E	46.4		
Heptane	142-82-5	100.2	0.48	J	1.97		
1,1-Dichloroethene	75-35-4	96.94	0.16	J	0.63		
Acetone	67-64-1	58.08	95.2	E	226		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.13	J	0.47		
Methylene Chloride	75-09-2	84.94	2		6.95		
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	0.57		1.96		
2-Butanone	78-93-3	72.11	14.1		41.6		
Carbon Tetrachloride	56-23-5	153.8	1		6.29		
cis-1,2-Dichloroethene	156-59-2	96.94	3.4		13.5		
Chloroform	67-66-3	119.4	2.9		14.2		
1,1,1-Trichloroethane	71-55-6	133.4	0.22		1.2		
2,2,4-Trimethylpentane	540-84-1	114.2	0.63		2.94		
Benzene	71-43-2	78.11	0.72		2.3		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.39		2.1		
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	1.4		5.74		
Toluene	108-88-3	92.14	2.9		10.9		
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 : 04/20/21

Field Id Number : DDC-2-INFLUENT-2

Analysis Date : 04/27/21

Laboratory Id Number : M2172-03

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	2.1		14.2		
Chlorobenzene	108-90-7	112.6	0.1	J	0.46		
Ethyl Benzene	100-41-4	106.2	0.65		2.82		
m/p-Xylene	179601-23-1	106.2	2.2		9.56		
o-Xylene	95-47-6	106.2	1.1		4.78		
Styrene	100-42-5	104.1	0.17	J	0.72		
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	0.33	J	1.62		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.6		7.87		
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	0.36	J	1.89		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.46	J	2.26		
Hexane	110-54-3	86.17	0.5	U	1.76		
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 : 04/20/21

Field Id Number : DDC-2-INFLUENT-2DL

Analysis Date : 04/28/21

Laboratory Id Number : M2172-03DL

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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	13.4	D	40.6		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	100	D	237		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	5	UD	17.4		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	9.8	D	28.9		
Carbon Tetrachloride	56-23-5	153.8	1	D	6.29		
cis-1,2-Dichloroethene	156-59-2	96.94	2.3	JD	9.12		
Chloroform	67-66-3	119.4	2.6	JD	12.7		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	1.6	JD	6.03		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : DDC-2-INFLUENT-2DL

Analysis Date : 04/28/21

Laboratory Id Number : M2172-03DL

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	1.4	D	9.49		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	5	UD	17.6		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : OFFSITE-DDC-INTERME

Analysis Date : 04/27/21

Laboratory Id Number : M2172-04

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	0.25	J	1.24		
Chloromethane	74-87-3	50.49	0.35	J	0.72		
Vinyl Chloride	75-01-4	62.5	0.21		0.54		
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	0.32	J	0.94		
Trichlorofluoromethane	75-69-4	137.4	0.22	J	1.24		
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	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.13	J	0.52		
Acetone	67-64-1	58.08	5.3		12.6		
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	18.6	E	64.6		
trans-1,2-Dichloroethene	156-60-5	96.94	0.22	J	0.87		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.32	J	1.1		
2-Butanone	78-93-3	72.11	0.83		2.45		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	8.6		34.1		
Chloroform	67-66-3	119.4	0.45	J	2.2		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.14	J	0.65		
Benzene	71-43-2	78.11	0.22	J	0.7		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.18		0.97		
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	0.63		2.37		
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 : 04/20/21

Field Id Number : OFFSITE-DDC-INTERME

Analysis Date : 04/27/21

Laboratory Id Number : M2172-04

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.06		0.41		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.18	J	0.78		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
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	7.6		26.8		
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 : 04/20/21

Field Id Number : OFFSITE-DDC-INTERME

Analysis Date : 04/27/21

Laboratory Id Number : M2172-04DL

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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	7.9	D	18.8		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	20.9	D	72.6		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	6.2	D	24.6		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : OFFSITE-DDC-INTERME

Analysis Date : 04/27/21

Laboratory Id Number : M2172-04DL

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
Naphthalene	91-20-3	128.17	5	UD	26.2		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	7.2	D	25.4		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : DDC-2-EFFLUENT

Analysis Date : 04/27/21

Laboratory Id Number : M2172-05

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	0.25	J	1.24		
Chloromethane	74-87-3	50.49	0.47	J	0.97		
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	0.25	J	0.74		
Trichlorofluoromethane	75-69-4	137.4	0.21	J	1.18		
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	2.7		8.19		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	28.8	E	68.4		
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	0.77		2.68		
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	0.31	J	1.07		
2-Butanone	78-93-3	72.11	2.7		7.96		
Carbon Tetrachloride	56-23-5	153.8	0.12		0.75		
cis-1,2-Dichloroethene	156-59-2	96.94	0.35	J	1.39		
Chloroform	67-66-3	119.4	0.28	J	1.37		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.13	J	0.61		
Benzene	71-43-2	78.11	0.22	J	0.7		
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	0.17	J	0.7		
Toluene	108-88-3	92.14	0.98		3.69		
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 : 04/20/21

Field Id Number : DDC-2-EFFLUENT

Analysis Date : 04/27/21

Laboratory Id Number : M2172-05

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.13		0.88		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.3	J	1.3		
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	0.16	J	0.79		
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	0.35	J	1.23		
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		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : DDC-2-EFFLUENTDL

Analysis Date : 04/28/21

Laboratory Id Number : M2172-05DL

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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	29.7	D	70.6		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	5	UD	17.4		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	5	UD	19.8		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : DDC-2-EFFLUENTDL

Analysis Date : 04/28/21

Laboratory Id Number : M2172-05DL

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	5	UD	17.6		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : DDC-2-INFLUENT-1

Analysis Date : 04/27/21

Laboratory Id Number : M2172-06

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	0.17	J	0.84		
Chloromethane	74-87-3	50.49	0.58		1.2		
Vinyl Chloride	75-01-4	62.5	0.2		0.51		
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	0.41	J	1.21		
Trichlorofluoromethane	75-69-4	137.4	0.26	J	1.46		
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	10.3		31.2		
Heptane	142-82-5	100.2	0.24	J	0.98		
1,1-Dichloroethene	75-35-4	96.94	0.14	J	0.56		
Acetone	67-64-1	58.08	74.3	E	176		
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	5.2		18.1		
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	0.85		2.93		
2-Butanone	78-93-3	72.11	10.1		29.8		
Carbon Tetrachloride	56-23-5	153.8	1.3		8.18		
cis-1,2-Dichloroethene	156-59-2	96.94	4		15.9		
Chloroform	67-66-3	119.4	3.5		17.1		
1,1,1-Trichloroethane	71-55-6	133.4	0.24		1.31		
2,2,4-Trimethylpentane	540-84-1	114.2	0.43	J	2.01		
Benzene	71-43-2	78.11	0.71		2.27		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.57		3.06		
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	1.1		4.51		
Toluene	108-88-3	92.14	2.6		9.8		
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 : 04/20/21

Field Id Number : DDC-2-INFLUENT-1

Analysis Date : 04/27/21

Laboratory Id Number : M2172-06

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	9.2		62.4		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.53		2.3		
m/p-Xylene	179601-23-1	106.2	1.9		8.25		
o-Xylene	95-47-6	106.2	0.93		4.04		
Styrene	100-42-5	104.1	0.11	J	0.47		
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	0.29	J	1.43		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.5		7.37		
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	0.27	J	1.42		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.35	J	1.72		
Hexane	110-54-3	86.17	3		10.6		
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 : 04/20/21

Field Id Number : DDC-2-INFLUENT-1DL

Analysis Date : 04/28/21

Laboratory Id Number : M2172-06DL

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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	8.9	D	27.0		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	75.9	D	180		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	5	UD	17.4		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	6.6	D	19.5		
Carbon Tetrachloride	56-23-5	153.8	1.2	D	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	2.2	JD	8.72		
Chloroform	67-66-3	119.4	2.9	JD	14.2		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	1.6	JD	6.03		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : DDC-2-INFLUENT-1DL

Analysis Date : 04/28/21

Laboratory Id Number : M2172-06DL

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	6.5	D	44.1		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	5	UD	17.6		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : SVE-EFFLUENT

Analysis Date : 04/27/21

Laboratory Id Number : M2172-07

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	0.27	J	1.34		
Chloromethane	74-87-3	50.49	0.28	J	0.58		
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	0.29	J	1.63		
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	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	3.1		7.36		
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	25.3	E	87.9		
trans-1,2-Dichloroethene	156-60-5	96.94	0.14	J	0.56		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.29	J	1		
2-Butanone	78-93-3	72.11	0.4	J	1.18		
Carbon Tetrachloride	56-23-5	153.8	0.05		0.31		
cis-1,2-Dichloroethene	156-59-2	96.94	4.2		16.6		
Chloroform	67-66-3	119.4	0.38	J	1.86		
1,1,1-Trichloroethane	71-55-6	133.4	0.1		0.55		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.11	J	0.35		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.05		0.27		
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	0.64		2.41		
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 : 04/20/21

Field Id Number : SVE-EFFLUENT

Analysis Date : 04/27/21

Laboratory Id Number : M2172-07

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.77		5.22		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
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	9.9		34.9		
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 : 04/20/21

Field Id Number : SVE-EFFLUENTDL

Analysis Date : 04/27/21

Laboratory Id Number : M2172-07DL

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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	7.3	D	17.3		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	26.4	D	91.7		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	3.1	JD	12.3		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : SVE-EFFLUENTDL

Analysis Date : 04/27/21

Laboratory Id Number : M2172-07DL

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	0.64	D	4.34		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	7.5	D	26.4		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : OFFSITE-DDC-INFLUEN

Analysis Date : 04/27/21

Laboratory Id Number : M2172-08

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	0.24	J	1.19		
Chloromethane	74-87-3	50.49	0.4	J	0.83		
Vinyl Chloride	75-01-4	62.5	0.16		0.41		
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	0.36	J	1.06		
Trichlorofluoromethane	75-69-4	137.4	0.23	J	1.29		
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	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.15	J	0.59		
Acetone	67-64-1	58.08	3.8		9.03		
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	18.1	E	62.9		
trans-1,2-Dichloroethene	156-60-5	96.94	0.21	J	0.83		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.33	J	1.14		
2-Butanone	78-93-3	72.11	0.98		2.89		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	9.5		37.7		
Chloroform	67-66-3	119.4	0.55		2.69		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.14	J	0.65		
Benzene	71-43-2	78.11	0.24	J	0.77		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.08		0.43		
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		3.77		
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 : 04/20/21

Field Id Number : OFFSITE-DDC-INFLUEN

Analysis Date : 04/27/21

Laboratory Id Number : M2172-08

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.06		0.41		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.21	J	0.91		
o-Xylene	95-47-6	106.2	0.1	J	0.43		
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	7.5		26.4		
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 : 04/20/21

Field Id Number : OFFSITE-DDC-INFLUEN

Analysis Date : 04/27/21

Laboratory Id Number : M2172-08DL

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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	8.6	D	20.4		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	19.2	D	66.7		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	6.3	D	25.0		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : OFFSITE-DDC-INFLUEN

Analysis Date : 04/27/21

Laboratory Id Number : M2172-08DL

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
Naphthalene	91-20-3	128.17	5	UD	26.2		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	5.8	D	20.4		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : OFFSITE-DDC-EFFLUEI

Analysis Date : 04/27/21

Laboratory Id Number : M2172-09

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	0.17	J	0.84		
Chloromethane	74-87-3	50.49	0.35	J	0.72		
Vinyl Chloride	75-01-4	62.5	0.2		0.51		
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	0.4	J	1.18		
Trichlorofluoromethane	75-69-4	137.4	0.27	J	1.52		
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	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.22	J	0.87		
Acetone	67-64-1	58.08	4.1		9.74		
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	1.9		6.6		
trans-1,2-Dichloroethene	156-60-5	96.94	0.45	J	1.78		
1,1-Dichloroethane	75-34-3	98.96	0.39	J	1.58		
Cyclohexane	110-82-7	84.16	0.35	J	1.2		
2-Butanone	78-93-3	72.11	0.91		2.68		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	25.6	E	101		
Chloroform	67-66-3	119.4	0.97		4.74		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.13	J	0.61		
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	1.1		4.15		
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 : 04/20/21

Field Id Number : OFFSITE-DDC-EFFLUEI

Analysis Date : 04/27/21

Laboratory Id Number : M2172-09

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.07		0.47		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.1	J	0.43		
m/p-Xylene	179601-23-1	106.2	0.25	J	1.09		
o-Xylene	95-47-6	106.2	0.11	J	0.48		
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	0.86		3.03		
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 : 04/20/21

Field Id Number : OFFSITE-DDC-EFFLUEI

Analysis Date : 04/27/21

Laboratory Id Number : M2172-09DL

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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	6.1	D	14.5		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	5	UD	17.4		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	18.8	D	74.5		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		

Project : NYSDEC - National Heatset TO-15

Sampling Date : 04/20/21

Field Id Number : OFFSITE-DDC-EFFLUEI

Analysis Date : 04/27/21

Laboratory Id Number : M2172-09DL

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	5	UD	17.6		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

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	0.02624557	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

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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	SVE-INFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-01	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
VL036877.D	1		04/28/21 13:23	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.26	1.29	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.27	0.56	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	0.29	1.63	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	0.50	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	5.70	13.5		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	21.5	74.7	E	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	0.23	0.79	J	0.24	1.72	ug/m3
78-93-3	2-Butanone	0.58	1.71		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.77	3.05		0.16	1.98	ug/m3
67-66-3	Chloroform	0.31	1.51	J	0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.13	0.71		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.13	0.61	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.16	0.51	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	0.20	1.07		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	0.62	2.34		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	0.92	6.24		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	SVE-INFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-01	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
VL036877.D	1		04/28/21 13:23	VL042821

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	0.15	0.65	J	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	7.60	26.8		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	9.30			65 - 135	93%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1450000		5.68			
540-36-3	1,4-Difluorobenzene	3500000		7.19			
3114-55-4	Chlorobenzene-d5	3210000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	SVE-INFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-01DL	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
VL036878.D	10		04/28/21 14:01	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	3.31	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	0.81	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.66	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	1.67	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	1.08	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	1.12	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	2.30	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	3.30	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	3.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	5.00	15.2	UD	1.18	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	1.15	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	1.98	19.8	ug/m3
67-64-1	Acetone	7.20	17.1	D	9.03	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	1.34	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	1.19	18.0	ug/m3
75-09-2	Methylene Chloride	46.0	160	D	14.6	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	2.30	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	2.24	17.2	ug/m3
78-93-3	2-Butanone	5.00	14.8	UD	0.94	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.30	1.89	UD	1.13	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	5.00	19.8	UD	1.39	19.8	ug/m3
67-66-3	Chloroform	5.00	24.4	UD	1.76	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	1.09	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	1.35	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	1.02	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	1.94	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	2.14	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	1.11	20.5	ug/m3
108-88-3	Toluene	5.00	18.8	UD	0.98	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	1.36	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	0.77	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	1.91	27.3	ug/m3
124-48-1	Dibromochloromethane	5.00	42.6	UD	2.22	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5.00	38.4	UD	2.31	38.4	ug/m3
127-18-4	Tetrachloroethene	0.80	5.42	D	1.29	2.03	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	SVE-INFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-01DL	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
VL036878.D	10		04/28/21 14:01	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	5.00	23.0	UD	1.29	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	1.39	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	2.74	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	1.56	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	1.11	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	3.83	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	1.44	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	1.66	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	1.18	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	1.28	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	3.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	1.86	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	2.04	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	3.27	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	5.44	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	1.02	11.1	ug/m3
91-20-3	Naphthalene	5.00	26.2	UD	2.83	26.2	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	1.52	24.6	ug/m3
110-54-3	Hexane	9.80	34.5	D	0.99	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	1.41	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	8.65	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	1.31	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			65 - 135	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1550000		5.68			
540-36-3	1,4-Difluorobenzene	3580000		7.19			
3114-55-4	Chlorobenzene-d5	3100000		12.11			

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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INTERMEDIATE-2	SDG No.:	M2172
Lab Sample ID:	M2172-02	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
VL036859.D	1		04/27/21 15:54	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.20	0.99	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.46	0.95	J	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.16	0.41		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	0.69	2.04		0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.27	1.52	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	0.11	0.45	J	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.13	0.52	J	0.20	1.98	ug/m3
67-64-1	Acetone	5.30	12.6		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	7.40	25.7		1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.22	0.87	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	0.33	1.14	J	0.24	1.72	ug/m3
78-93-3	2-Butanone	4.60	13.6		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.080	0.50		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.20	36.5		0.16	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44		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	0.16	0.75	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.29	0.93	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	0.040	0.21		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	0.86	3.24		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	0.39	2.64		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INTERMEDIATE-2	SDG No.:	M2172
Lab Sample ID:	M2172-02	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
VL036859.D	1		04/27/21 15:54	VL042721

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	0.26	1.13	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	3.30	11.6		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	1310000		5.67			
540-36-3	1,4-Difluorobenzene	3170000		7.18			
3114-55-4	Chlorobenzene-d5	2790000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-INFLUENT-2	SDG No.:	M2172
Lab Sample ID:	M2172-03	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
VL036871.D	1		04/27/21 23:52	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.16	0.79	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.60	1.24		0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.18	0.46		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	0.13	0.34	J	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	0.27	1.52	J	0.22	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.11	0.84	J	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	15.3	46.4	E	0.12	1.52	ug/m3
142-82-5	Heptane	0.48	1.97	J	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.16	0.63	J	0.20	1.98	ug/m3
67-64-1	Acetone	95.2	226	E	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	0.13	0.47	J	0.11	1.80	ug/m3
75-09-2	Methylene Chloride	2.00	6.95		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	0.57	1.96		0.24	1.72	ug/m3
78-93-3	2-Butanone	14.1	41.6		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	1.00	6.29		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	3.40	13.5		0.16	1.98	ug/m3
67-66-3	Chloroform	2.90	14.2		0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.22	1.20		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.63	2.94		0.14	2.34	ug/m3
71-43-2	Benzene	0.72	2.30		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	0.39	2.10		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	1.40	5.74		0.12	2.05	ug/m3
108-88-3	Toluene	2.90	10.9		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	2.10	14.2		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-INFLUENT-2	SDG No.:	M2172
Lab Sample ID:	M2172-03	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
VL036871.D	1		04/27/21 23:52	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.10	0.46	J	0.14	2.30	ug/m3
100-41-4	Ethyl Benzene	0.65	2.82		0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	2.20	9.56		0.26	4.34	ug/m3
95-47-6	o-Xylene	1.10	4.78		0.17	2.17	ug/m3
100-42-5	Styrene	0.17	0.72	J	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	0.33	1.62	J	0.10	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.60	7.87		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	0.36	1.89	J	0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.46	2.26	J	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	9.60			65 - 135	96%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1540000		5.67			
540-36-3	1,4-Difluorobenzene	3790000		7.19			
3114-55-4	Chlorobenzene-d5	3530000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-INFLUENT-2DL	SDG No.:	M2172
Lab Sample ID:	M2172-03DL	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
VL036888.D	10		04/28/21 20:35	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	3.31	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	0.81	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.66	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	1.67	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	1.08	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	1.12	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	2.30	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	3.30	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	3.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	13.4	40.6	D	1.18	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	1.15	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	1.98	19.8	ug/m3
67-64-1	Acetone	100	238	D	9.03	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	1.34	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	1.19	18.0	ug/m3
75-09-2	Methylene Chloride	5.00	17.4	UD	14.6	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	2.30	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	2.24	17.2	ug/m3
78-93-3	2-Butanone	9.80	28.9	D	0.94	14.8	ug/m3
56-23-5	Carbon Tetrachloride	1.00	6.29	D	1.13	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	2.30	9.12	JD	1.39	19.8	ug/m3
67-66-3	Chloroform	2.60	12.7	JD	1.76	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	1.09	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	1.35	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	1.02	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	1.94	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	2.14	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	1.11	20.5	ug/m3
108-88-3	Toluene	1.60	6.03	JD	0.98	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	1.36	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	0.77	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	1.91	27.3	ug/m3
124-48-1	Dibromochloromethane	5.00	42.6	UD	2.22	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5.00	38.4	UD	2.31	38.4	ug/m3
127-18-4	Tetrachloroethene	1.40	9.49	D	1.29	2.03	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-INFLUENT-2DL	SDG No.:	M2172
Lab Sample ID:	M2172-03DL	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
VL036888.D	10		04/28/21 20:35	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	5.00	23.0	UD	1.29	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	1.39	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	2.74	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	1.56	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	1.11	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	3.83	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	1.44	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	1.66	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	1.18	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	1.28	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	3.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	1.86	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	2.04	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	3.27	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	5.44	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	1.02	11.1	ug/m3
91-20-3	Naphthalene	5.00	26.2	UD	2.83	26.2	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	1.52	24.6	ug/m3
110-54-3	Hexane	5.00	17.6	UD	0.99	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	1.41	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	8.65	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	1.31	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.50			65 - 135	95%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1480000		5.68			
540-36-3	1,4-Difluorobenzene	3450000		7.2			
3114-55-4	Chlorobenzene-d5	3240000		12.11			

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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INTERMEDIATE-1	SDG No.:	M2172
Lab Sample ID:	M2172-04	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
VL036861.D	1		04/27/21 17:13	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.25	1.24	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.35	0.72	J	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.21	0.54		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	0.32	0.94	J	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.22	1.24	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	0.50	2.05	U	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.13	0.52	J	0.20	1.98	ug/m3
67-64-1	Acetone	5.30	12.6		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	18.6	64.6	E	1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.22	0.87	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	0.32	1.10	J	0.24	1.72	ug/m3
78-93-3	2-Butanone	0.83	2.45		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	8.60	34.1		0.16	1.98	ug/m3
67-66-3	Chloroform	0.45	2.20	J	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	0.14	0.65	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.22	0.70	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	0.18	0.97		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	0.63	2.37		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	0.060	0.41		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INTERMEDIATE-1	SDG No.:	M2172
Lab Sample ID:	M2172-04	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
VL036861.D	1		04/27/21 17:13	VL042721

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	0.18	0.78	J	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	7.60	26.8		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	10.0			65 - 135	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1400000		5.67			
540-36-3	1,4-Difluorobenzene	3230000		7.18			
3114-55-4	Chlorobenzene-d5	2750000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INTERMEDIATE-1DL	SDG No.:	M2172
Lab Sample ID:	M2172-04DL	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
VL036862.D	10		04/27/21 17:51	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	3.31	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	0.81	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.66	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	1.67	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	1.08	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	1.12	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	2.30	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	3.30	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	3.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	5.00	15.2	UD	1.18	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	1.15	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	1.98	19.8	ug/m3
67-64-1	Acetone	7.90	18.8	D	9.03	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	1.34	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	1.19	18.0	ug/m3
75-09-2	Methylene Chloride	20.9	72.6	D	14.6	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	2.30	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	2.24	17.2	ug/m3
78-93-3	2-Butanone	5.00	14.8	UD	0.94	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.30	1.89	UD	1.13	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	6.20	24.6	D	1.39	19.8	ug/m3
67-66-3	Chloroform	5.00	24.4	UD	1.76	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	1.09	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	1.35	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	1.02	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	1.94	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	2.14	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	1.11	20.5	ug/m3
108-88-3	Toluene	5.00	18.8	UD	0.98	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	1.36	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	0.77	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	1.91	27.3	ug/m3
124-48-1	Dibromochloromethane	5.00	42.6	UD	2.22	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5.00	38.4	UD	2.31	38.4	ug/m3
127-18-4	Tetrachloroethene	0.30	2.03	UD	1.29	2.03	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INTERMEDIATE-1DL	SDG No.:	M2172
Lab Sample ID:	M2172-04DL	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
VL036862.D	10		04/27/21 17:51	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	5.00	23.0	UD	1.29	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	1.39	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	2.74	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	1.56	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	1.11	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	3.83	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	1.44	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	1.66	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	1.18	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	1.28	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	3.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	1.86	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	2.04	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	3.27	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	5.44	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	1.02	11.1	ug/m3
91-20-3	Naphthalene	5.00	26.2	UD	2.83	26.2	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	1.52	24.6	ug/m3
110-54-3	Hexane	7.20	25.4	D	0.99	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	1.41	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	8.65	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	1.31	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1470000		5.67			
540-36-3	1,4-Difluorobenzene	3450000		7.18			
3114-55-4	Chlorobenzene-d5	3120000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-EFFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-05	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
VL036869.D	1		04/27/21 22:30	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.25	1.24	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.47	0.97	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	0.25	0.74	J	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.21	1.18	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	2.70	8.19		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	28.8	68.4	E	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	0.77	2.68		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	0.31	1.07	J	0.24	1.72	ug/m3
78-93-3	2-Butanone	2.70	7.96		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.12	0.75		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.35	1.39	J	0.16	1.98	ug/m3
67-66-3	Chloroform	0.28	1.37	J	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	0.13	0.61	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.22	0.70	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	0.17	0.70	J	0.12	2.05	ug/m3
108-88-3	Toluene	0.98	3.69		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	0.13	0.88		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-EFFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-05	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
VL036869.D	1		04/27/21 22:30	VL042721

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	0.30	1.30	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	0.16	0.79	J	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	0.35	1.23	J	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	9.60			65 - 135	96%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1560000		5.67			
540-36-3	1,4-Difluorobenzene	3620000		7.18			
3114-55-4	Chlorobenzene-d5	3320000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-EFFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-05DL	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
VL036886.D	10		04/28/21 19:19	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	3.31	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	0.81	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.66	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	1.67	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	1.08	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	1.12	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	2.30	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	3.30	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	3.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	5.00	15.2	UD	1.18	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	1.15	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	1.98	19.8	ug/m3
67-64-1	Acetone	29.7	70.5	D	9.03	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	1.34	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	1.19	18.0	ug/m3
75-09-2	Methylene Chloride	5.00	17.4	UD	14.6	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	2.30	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	2.24	17.2	ug/m3
78-93-3	2-Butanone	5.00	14.8	UD	0.94	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.30	1.89	UD	1.13	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	5.00	19.8	UD	1.39	19.8	ug/m3
67-66-3	Chloroform	5.00	24.4	UD	1.76	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	1.09	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	1.35	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	1.02	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	1.94	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	2.14	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	1.11	20.5	ug/m3
108-88-3	Toluene	5.00	18.8	UD	0.98	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	1.36	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	0.77	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	1.91	27.3	ug/m3
124-48-1	Dibromochloromethane	5.00	42.6	UD	2.22	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5.00	38.4	UD	2.31	38.4	ug/m3
127-18-4	Tetrachloroethene	0.30	2.03	UD	1.29	2.03	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-EFFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-05DL	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
VL036886.D	10		04/28/21 19:19	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	5.00	23.0	UD	1.29	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	1.39	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	2.74	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	1.56	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	1.11	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	3.83	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	1.44	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	1.66	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	1.18	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	1.28	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	3.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	1.86	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	2.04	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	3.27	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	5.44	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	1.02	11.1	ug/m3
91-20-3	Naphthalene	5.00	26.2	UD	2.83	26.2	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	1.52	24.6	ug/m3
110-54-3	Hexane	5.00	17.6	UD	0.99	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	1.41	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	8.65	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	1.31	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1430000		5.68			
540-36-3	1,4-Difluorobenzene	3320000		7.2			
3114-55-4	Chlorobenzene-d5	3040000		12.11			

U = Not Detected

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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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-INFLUENT-1	SDG No.:	M2172
Lab Sample ID:	M2172-06	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
VL036870.D	1		04/27/21 23:11	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.17	0.84	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.58	1.20		0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.20	0.51		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	0.41	1.21	J	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.26	1.46	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	10.3	31.2		0.12	1.52	ug/m3
142-82-5	Heptane	0.24	0.98	J	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	J	0.20	1.98	ug/m3
67-64-1	Acetone	74.3	177	E	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	5.20	18.1		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	0.85	2.93		0.24	1.72	ug/m3
78-93-3	2-Butanone	10.1	29.8		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	1.30	8.18		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	3.50	17.1		0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.24	1.31		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.43	2.01	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.71	2.27		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	0.57	3.06		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	1.10	4.51		0.12	2.05	ug/m3
108-88-3	Toluene	2.60	9.80		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	9.20	62.4		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-INFLUENT-1	SDG No.:	M2172
Lab Sample ID:	M2172-06	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
VL036870.D	1		04/27/21 23:11	VL042721

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	0.53	2.30		0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	1.90	8.25		0.26	4.34	ug/m3
95-47-6	o-Xylene	0.93	4.04		0.17	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	J	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	0.29	1.43	J	0.10	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.50	7.37		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	0.27	1.42	J	0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.35	1.72	J	0.15	2.46	ug/m3
110-54-3	Hexane	3.00	10.6		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	10.0			65 - 135	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1590000		5.67			
540-36-3	1,4-Difluorobenzene	3850000		7.19			
3114-55-4	Chlorobenzene-d5	3580000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-INFLUENT-1DL	SDG No.:	M2172
Lab Sample ID:	M2172-06DL	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
VL036887.D	10		04/28/21 19:57	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	3.31	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	0.81	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.66	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	1.67	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	1.08	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	1.12	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	2.30	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	3.30	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	3.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	8.90	27.0	D	1.18	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	1.15	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	1.98	19.8	ug/m3
67-64-1	Acetone	75.9	180	D	9.03	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	1.34	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	1.19	18.0	ug/m3
75-09-2	Methylene Chloride	5.00	17.4	UD	14.6	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	2.30	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	2.24	17.2	ug/m3
78-93-3	2-Butanone	6.60	19.5	D	0.94	14.8	ug/m3
56-23-5	Carbon Tetrachloride	1.20	7.55	D	1.13	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	2.20	8.72	JD	1.39	19.8	ug/m3
67-66-3	Chloroform	2.90	14.2	JD	1.76	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	1.09	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	1.35	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	1.02	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	1.94	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	2.14	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	1.11	20.5	ug/m3
108-88-3	Toluene	1.60	6.03	JD	0.98	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	1.36	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	0.77	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	1.91	27.3	ug/m3
124-48-1	Dibromochloromethane	5.00	42.6	UD	2.22	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5.00	38.4	UD	2.31	38.4	ug/m3
127-18-4	Tetrachloroethene	6.50	44.1	D	1.29	2.03	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	DDC-2-INFLUENT-1DL	SDG No.:	M2172
Lab Sample ID:	M2172-06DL	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
VL036887.D	10		04/28/21 19:57	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	5.00	23.0	UD	1.29	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	1.39	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	2.74	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	1.56	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	1.11	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	3.83	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	1.44	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	1.66	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	1.18	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	1.28	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	3.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	1.86	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	2.04	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	3.27	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	5.44	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	1.02	11.1	ug/m3
91-20-3	Naphthalene	5.00	26.2	UD	2.83	26.2	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	1.52	24.6	ug/m3
110-54-3	Hexane	5.00	17.6	UD	0.99	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	1.41	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	8.65	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	1.31	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.70			65 - 135	97%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1500000		5.69			
540-36-3	1,4-Difluorobenzene	3340000		7.2			
3114-55-4	Chlorobenzene-d5	3100000		12.11			

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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	SVE-EFFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-07	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
VL036863.D	1		04/27/21 18:32	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.27	1.34	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.28	0.58	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	0.29	1.63	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	0.50	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	3.10	7.36		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	25.3	87.9	E	1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.14	0.56	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	0.29	1.00	J	0.24	1.72	ug/m3
78-93-3	2-Butanone	0.40	1.18	J	0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.050	0.31		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	4.20	16.6		0.16	1.98	ug/m3
67-66-3	Chloroform	0.38	1.86	J	0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.10	0.55		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	0.11	0.35	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	0.050	0.27		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	0.64	2.41		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	0.77	5.22		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	SVE-EFFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-07	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
VL036863.D	1		04/27/21 18:32	VL042721

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	9.90	34.9		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	1390000		5.67			
540-36-3	1,4-Difluorobenzene	3260000		7.18			
3114-55-4	Chlorobenzene-d5	2840000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	SVE-EFFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-07DL	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
VL036864.D	10		04/27/21 19:11	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	3.31	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	0.81	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.66	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	1.67	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	1.08	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	1.12	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	2.30	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	3.30	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	3.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	5.00	15.2	UD	1.18	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	1.15	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	1.98	19.8	ug/m3
67-64-1	Acetone	7.30	17.3	D	9.03	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	1.34	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	1.19	18.0	ug/m3
75-09-2	Methylene Chloride	26.4	91.7	D	14.6	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	2.30	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	2.24	17.2	ug/m3
78-93-3	2-Butanone	5.00	14.8	UD	0.94	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.30	1.89	UD	1.13	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	3.10	12.3	JD	1.39	19.8	ug/m3
67-66-3	Chloroform	5.00	24.4	UD	1.76	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	1.09	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	1.35	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	1.02	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	1.94	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	2.14	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	1.11	20.5	ug/m3
108-88-3	Toluene	5.00	18.8	UD	0.98	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	1.36	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	0.77	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	1.91	27.3	ug/m3
124-48-1	Dibromochloromethane	5.00	42.6	UD	2.22	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5.00	38.4	UD	2.31	38.4	ug/m3
127-18-4	Tetrachloroethene	0.64	4.34	D	1.29	2.03	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	SVE-EFFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-07DL	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
VL036864.D	10		04/27/21 19:11	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	5.00	23.0	UD	1.29	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	1.39	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	2.74	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	1.56	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	1.11	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	3.83	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	1.44	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	1.66	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	1.18	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	1.28	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	3.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	1.86	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	2.04	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	3.27	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	5.44	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	1.02	11.1	ug/m3
91-20-3	Naphthalene	5.00	26.2	UD	2.83	26.2	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	1.52	24.6	ug/m3
110-54-3	Hexane	7.50	26.4	D	0.99	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	1.41	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	8.65	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	1.31	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			65 - 135	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1420000		5.67			
540-36-3	1,4-Difluorobenzene	3370000		7.18			
3114-55-4	Chlorobenzene-d5	2990000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-08	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
VL036865.D	1		04/27/21 19:51	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.24	1.19	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.40	0.83	J	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.16	0.41		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	0.36	1.06	J	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.23	1.29	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	0.50	2.05	U	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	J	0.20	1.98	ug/m3
67-64-1	Acetone	3.80	9.03		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	18.1	62.9	E	1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.21	0.83	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	0.33	1.14	J	0.24	1.72	ug/m3
78-93-3	2-Butanone	0.98	2.89		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	9.50	37.7		0.16	1.98	ug/m3
67-66-3	Chloroform	0.55	2.69		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	0.14	0.65	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.24	0.77	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	0.080	0.43		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	1.00	3.77		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	0.060	0.41		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-08	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
VL036865.D	1		04/27/21 19:51	VL042721

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	0.21	0.91	J	0.26	4.34	ug/m3
95-47-6	o-Xylene	0.10	0.43	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	7.50	26.4		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	1420000		5.67			
540-36-3	1,4-Difluorobenzene	3350000		7.18			
3114-55-4	Chlorobenzene-d5	2950000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-08DL	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
VL036866.D	10		04/27/21 20:30	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	3.31	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	0.81	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.66	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	1.67	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	1.08	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	1.12	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	2.30	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	3.30	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	3.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	5.00	15.2	UD	1.18	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	1.15	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	1.98	19.8	ug/m3
67-64-1	Acetone	8.60	20.4	D	9.03	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	1.34	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	1.19	18.0	ug/m3
75-09-2	Methylene Chloride	19.2	66.7	D	14.6	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	2.30	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	2.24	17.2	ug/m3
78-93-3	2-Butanone	5.00	14.8	UD	0.94	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.30	1.89	UD	1.13	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	6.30	25.0	D	1.39	19.8	ug/m3
67-66-3	Chloroform	5.00	24.4	UD	1.76	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	1.09	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	1.35	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	1.02	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	1.94	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	2.14	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	1.11	20.5	ug/m3
108-88-3	Toluene	5.00	18.8	UD	0.98	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	1.36	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	0.77	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	1.91	27.3	ug/m3
124-48-1	Dibromochloromethane	5.00	42.6	UD	2.22	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5.00	38.4	UD	2.31	38.4	ug/m3
127-18-4	Tetrachloroethene	0.30	2.03	UD	1.29	2.03	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-INFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-08DL	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
VL036866.D	10		04/27/21 20:30	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	5.00	23.0	UD	1.29	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	1.39	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	2.74	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	1.56	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	1.11	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	3.83	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	1.44	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	1.66	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	1.18	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	1.28	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	3.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	1.86	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	2.04	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	3.27	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	5.44	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	1.02	11.1	ug/m3
91-20-3	Naphthalene	5.00	26.2	UD	2.83	26.2	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	1.52	24.6	ug/m3
110-54-3	Hexane	5.80	20.4	D	0.99	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	1.41	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	8.65	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	1.31	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.70			65 - 135	97%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1540000		5.67			
540-36-3	1,4-Difluorobenzene	3630000		7.18			
3114-55-4	Chlorobenzene-d5	3200000		12.1			

U = Not Detected

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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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-EFFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-09	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
VL036867.D	1		04/27/21 21:11	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.17	0.84	J	0.35	2.47	ug/m3
74-87-3	Chloromethane	0.35	0.72	J	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.20	0.51		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	0.40	1.18	J	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.27	1.52	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	0.50	2.05	U	0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.22	0.87	J	0.20	1.98	ug/m3
67-64-1	Acetone	4.10	9.74		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	1.90	6.60		1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.45	1.78	J	0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.39	1.58	J	0.16	2.02	ug/m3
110-82-7	Cyclohexane	0.35	1.20	J	0.24	1.72	ug/m3
78-93-3	2-Butanone	0.91	2.68		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	25.6	102	E	0.16	1.98	ug/m3
67-66-3	Chloroform	0.97	4.74		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	0.13	0.61	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	1.10	4.15		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	0.070	0.47		0.14	0.20	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-EFFLUENT	SDG No.:	M2172
Lab Sample ID:	M2172-09	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
VL036867.D	1		04/27/21 21:11	VL042721

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	0.10	0.43	J	0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	0.25	1.09	J	0.26	4.34	ug/m3
95-47-6	o-Xylene	0.11	0.48	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	0.86	3.03		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	9.50			65 - 135	95%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1430000		5.67			
540-36-3	1,4-Difluorobenzene	3370000		7.18			
3114-55-4	Chlorobenzene-d5	2930000		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:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-EFFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-09DL	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
VL036868.D	10		04/27/21 21:49	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	3.31	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	0.81	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.66	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	1.67	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	1.08	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	1.12	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	2.30	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	3.30	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	3.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	5.00	15.2	UD	1.18	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	1.15	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	1.98	19.8	ug/m3
67-64-1	Acetone	6.10	14.5	D	9.03	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	1.34	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	1.19	18.0	ug/m3
75-09-2	Methylene Chloride	5.00	17.4	UD	14.6	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	2.30	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	2.24	17.2	ug/m3
78-93-3	2-Butanone	5.00	14.8	UD	0.94	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.30	1.89	UD	1.13	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	18.8	74.5	D	1.39	19.8	ug/m3
67-66-3	Chloroform	5.00	24.4	UD	1.76	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	1.09	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	1.35	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	1.02	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	1.54	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	1.94	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	2.14	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	1.11	20.5	ug/m3
108-88-3	Toluene	5.00	18.8	UD	0.98	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	1.36	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	0.77	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	1.91	27.3	ug/m3
124-48-1	Dibromochloromethane	5.00	42.6	UD	2.22	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5.00	38.4	UD	2.31	38.4	ug/m3
127-18-4	Tetrachloroethene	0.30	2.03	UD	1.29	2.03	ug/m3

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset TO-15	Date Received:	04/23/21
Client Sample ID:	OFFSITE-DDC-EFFLUENTDL	SDG No.:	M2172
Lab Sample ID:	M2172-09DL	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
VL036868.D	10		04/27/21 21:49	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	5.00	23.0	UD	1.29	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	1.39	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	2.74	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	1.56	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	1.11	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	3.83	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	1.44	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	1.66	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	1.18	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	1.28	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	3.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	1.86	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	2.04	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	3.27	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	5.44	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	1.02	11.1	ug/m3
91-20-3	Naphthalene	5.00	26.2	UD	2.83	26.2	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	1.52	24.6	ug/m3
110-54-3	Hexane	5.00	17.6	UD	0.99	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	1.41	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	8.65	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	1.31	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.70			65 - 135	97%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1560000		5.67			
540-36-3	1,4-Difluorobenzene	3710000		7.18			
3114-55-4	Chlorobenzene-d5	3240000		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

QC SUMMARY

A

B

C

D

E

F

G

H

I

Surrogate Summary

SDG No.: M2172

Client: EA Engineering Science & Technology

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
M2172-01	SVE-INFLUENT	1-Bromo-4-Fluorobenzene	10	9.34	93	65	135
M2172-01DL	SVE-INFLUENTDL	1-Bromo-4-Fluorobenzene	10	9.99	100	65	135
M2172-02	OFFSITE-DDC-INTERMEDIATE-2	1-Bromo-4-Fluorobenzene	10	9.81	98	65	135
M2172-03	DDC-2-INFLUENT-2	1-Bromo-4-Fluorobenzene	10	9.58	96	65	135
M2172-03DL	DDC-2-INFLUENT-2DL	1-Bromo-4-Fluorobenzene	10	9.54	95	65	135
M2172-04	OFFSITE-DDC-INTERMEDIATE-1	1-Bromo-4-Fluorobenzene	10	10.0	100	65	135
M2172-04DL	OFFSITE-DDC-INTERMEDIATE-1DL	1-Bromo-4-Fluorobenzene	10	9.83	98	65	135
M2172-05	DDC-2-EFFLUENT	1-Bromo-4-Fluorobenzene	10	9.65	96	65	135
M2172-05DL	DDC-2-EFFLUENTDL	1-Bromo-4-Fluorobenzene	10	9.75	98	65	135
M2172-06	DDC-2-INFLUENT-1	1-Bromo-4-Fluorobenzene	10	10.0	100	65	135
M2172-06DL	DDC-2-INFLUENT-1DL	1-Bromo-4-Fluorobenzene	10	9.73	97	65	135
M2172-07	SVE-EFFLUENT	1-Bromo-4-Fluorobenzene	10	9.84	98	65	135
M2172-07DL	SVE-EFFLUENTDL	1-Bromo-4-Fluorobenzene	10	10.0	100	65	135
M2172-08	OFFSITE-DDC-INFLUENT	1-Bromo-4-Fluorobenzene	10	10.4	104	65	135
M2172-08DL	OFFSITE-DDC-INFLUENTDL	1-Bromo-4-Fluorobenzene	10	9.71	97	65	135
M2172-09	OFFSITE-DDC-EFFLUENT	1-Bromo-4-Fluorobenzene	10	9.49	95	65	135
M2172-09DL	OFFSITE-DDC-EFFLUENTDL	1-Bromo-4-Fluorobenzene	10	9.67	97	65	135
M2174-01DUP	IA1DUP	1-Bromo-4-Fluorobenzene	10	10.2	102	65	135
VL0427ABL01	VL0427ABL01	1-Bromo-4-Fluorobenzene	10	9.91	99	65	135
VL0427ABS01	VL0427ABS01	1-Bromo-4-Fluorobenzene	10	10.3	103	65	135
VL0428ABL01	VL0428ABL01	1-Bromo-4-Fluorobenzene	10	9.85	98	65	135
VL0428ABS01	VL0428ABS01	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135

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

SDG No.: M2172

Client: EA Engineering Science & Technology

Analytical Method: SWTO-15

Datafile : VL036851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0427ABS01	Dichlorodifluoromethane	10	9.30	ppbv	93			70	130	
	Chloromethane	10	9.50	ppbv	95			70	130	
	Vinyl Chloride	10	9.30	ppbv	93			70	130	
	Bromomethane	10	9.50	ppbv	95			70	130	
	Chloroethane	10	9.90	ppbv	99			70	130	
	Tetrahydrofuran	10	10.1	ppbv	101			70	130	
	Trichlorofluoromethane	10	9.40	ppbv	94			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.60	ppbv	96			70	130	
	Dichlorotetrafluoroethane	10	9.50	ppbv	95			70	130	
	tert-Butyl Alcohol	10	9.60	ppbv	96			70	130	
	Heptane	10	10.1	ppbv	101			70	130	
	1,1-Dichloroethene	10	9.60	ppbv	96			70	130	
	Acetone	10	8.00	ppbv	80			70	130	
	Carbon disulfide	10	10.9	ppbv	109			70	130	
	Methyl tert-butyl Ether	10	8.80	ppbv	88			70	130	
	Methylene Chloride	10	7.30	ppbv	73			70	130	
	trans-1,2-Dichloroethene	10	9.90	ppbv	99			70	130	
	1,1-Dichloroethane	10	9.50	ppbv	95			70	130	
	Cyclohexane	10	10.1	ppbv	101			70	130	
	2-Butanone	10	9.30	ppbv	93			70	130	
	Carbon Tetrachloride	10	9.80	ppbv	98			70	130	
	cis-1,2-Dichloroethene	10	10.0	ppbv	100			70	130	
	Chloroform	10	9.50	ppbv	95			70	130	
	1,1,1-Trichloroethane	10	9.40	ppbv	94			70	130	
	2,2,4-Trimethylpentane	10	9.50	ppbv	95			70	130	
	Benzene	10	9.80	ppbv	98			70	130	
	1,2-Dichloroethane	10	10.0	ppbv	100			70	130	
	Trichloroethene	10	10.0	ppbv	100			70	130	
	1,2-Dichloropropane	10	9.50	ppbv	95			70	130	
	Bromodichloromethane	10	10.0	ppbv	100			70	130	
	4-Methyl-2-Pentanone	10	10.4	ppbv	104			70	130	
	Toluene	10	10.4	ppbv	104			70	130	
	t-1,3-Dichloropropene	10	10.9	ppbv	109			70	130	
	cis-1,3-Dichloropropene	10	10.7	ppbv	107			70	130	
	1,1,2-Trichloroethane	10	9.40	ppbv	94			70	130	
	Dibromochloromethane	10	10.4	ppbv	104			70	130	
	1,2-Dibromoethane	10	9.70	ppbv	97			70	130	
	Tetrachloroethene	10	9.60	ppbv	96			70	130	
	Chlorobenzene	10	9.40	ppbv	94			70	130	
	Ethyl Benzene	10	10.4	ppbv	104			70	130	
	m/p-Xylene	20	19.7	ppbv	99			70	130	
	o-Xylene	10	9.70	ppbv	97			70	130	
	Styrene	10	11.7	ppbv	117			70	130	
	Bromoform	10	10.5	ppbv	105			70	130	
	1,1,2,2-Tetrachloroethane	10	8.90	ppbv	89			70	130	
	2-Chlorotoluene	10	10.0	ppbv	100			70	130	
	1,3,5-Trimethylbenzene	10	10.0	ppbv	100			70	130	
	1,2,4-Trimethylbenzene	10	9.60	ppbv	96			70	130	
	1,3-Dichlorobenzene	10	9.40	ppbv	94			70	130	



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

SDG No.:

M2172

Client:

EA Engineering Science & Technology

Analytical Method:

SWTO-15

Datafile :

VL036851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0427ABS01	1,4-Dichlorobenzene	10	9.20	ppbv	92			70	130	
	1,2-Dichlorobenzene	10	9.30	ppbv	93			70	130	
	1,2,4-Trichlorobenzene	10	9.50	ppbv	95			70	130	
	Hexachloro-1,3-butadiene	10	7.80	ppbv	78			70	130	
	Naphthalene	10	10.4	ppbv	104			70	130	
	1,3-Butadiene	10	9.90	ppbv	99			70	130	
	4-Ethyltoluene	10	10.7	ppbv	107			70	130	
	Hexane	10	9.20	ppbv	92			70	130	
	Allyl Chloride	10	9.50	ppbv	95			70	130	
	1,4-Dioxane	10	8.90	ppbv	89			70	130	
	Methyl methacrylate	10	10.6	ppbv	106			70	130	

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

SDG No.: M2172

Client: EA Engineering Science & Technology

Analytical Method: SWTO-15

Datafile : VL036876.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0428ABS01	Dichlorodifluoromethane	10	9.20	ppbv	92			70	130	
	Chloromethane	10	9.80	ppbv	98			70	130	
	Vinyl Chloride	10	9.70	ppbv	97			70	130	
	Bromomethane	10	10.3	ppbv	103			70	130	
	Chloroethane	10	10.0	ppbv	100			70	130	
	Tetrahydrofuran	10	9.90	ppbv	99			70	130	
	Trichlorofluoromethane	10	9.80	ppbv	98			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.70	ppbv	97			70	130	
	Dichlorotetrafluoroethane	10	9.80	ppbv	98			70	130	
	tert-Butyl Alcohol	10	10.4	ppbv	104			70	130	
	Heptane	10	10.1	ppbv	101			70	130	
	1,1-Dichloroethene	10	9.90	ppbv	99			70	130	
	Acetone	10	8.00	ppbv	80			70	130	
	Carbon disulfide	10	10.4	ppbv	104			70	130	
	Methyl tert-butyl Ether	10	11.9	ppbv	119			70	130	
	Methylene Chloride	10	7.80	ppbv	78			70	130	
	trans-1,2-Dichloroethene	10	9.50	ppbv	95			70	130	
	1,1-Dichloroethane	10	11.1	ppbv	111			70	130	
	Cyclohexane	10	10.3	ppbv	103			70	130	
	2-Butanone	10	9.30	ppbv	93			70	130	
	Carbon Tetrachloride	10	10.2	ppbv	102			70	130	
	cis-1,2-Dichloroethene	10	10.2	ppbv	102			70	130	
	Chloroform	10	9.80	ppbv	98			70	130	
	1,1,1-Trichloroethane	10	9.80	ppbv	98			70	130	
	2,2,4-Trimethylpentane	10	9.90	ppbv	99			70	130	
	Benzene	10	10.0	ppbv	100			70	130	
	1,2-Dichloroethane	10	10.3	ppbv	103			70	130	
	Trichloroethene	10	10.4	ppbv	104			70	130	
	1,2-Dichloropropane	10	9.60	ppbv	96			70	130	
	Bromodichloromethane	10	10.4	ppbv	104			70	130	
	4-Methyl-2-Pentanone	10	10.5	ppbv	105			70	130	
	Toluene	10	10.7	ppbv	107			70	130	
	t-1,3-Dichloropropene	10	11.3	ppbv	113			70	130	
	cis-1,3-Dichloropropene	10	11.3	ppbv	113			70	130	
	1,1,2-Trichloroethane	10	10.0	ppbv	100			70	130	
	Dibromochloromethane	10	10.8	ppbv	108			70	130	
	1,2-Dibromoethane	10	9.90	ppbv	99			70	130	
	Tetrachloroethene	10	9.80	ppbv	98			70	130	
	Chlorobenzene	10	9.80	ppbv	98			70	130	
	Ethyl Benzene	10	10.8	ppbv	108			70	130	
	m/p-Xylene	20	20.8	ppbv	104			70	130	
	o-Xylene	10	10.1	ppbv	101			70	130	
	Styrene	10	12.2	ppbv	122			70	130	
	Bromoform	10	11.2	ppbv	112			70	130	
	1,1,2,2-Tetrachloroethane	10	9.40	ppbv	94			70	130	
	2-Chlorotoluene	10	10.4	ppbv	104			70	130	
	1,3,5-Trimethylbenzene	10	10.4	ppbv	104			70	130	
	1,2,4-Trimethylbenzene	10	10.2	ppbv	102			70	130	
	1,3-Dichlorobenzene	10	9.90	ppbv	99			70	130	



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

SDG No.: M2172
Client: EA Engineering Science & Technology
Analytical Method: SWTO-15

Datafile : VL036876.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0428ABS01	1,4-Dichlorobenzene	10	9.70	ppbv	97			70	130	
	1,2-Dichlorobenzene	10	9.80	ppbv	98			70	130	
	1,2,4-Trichlorobenzene	10	9.80	ppbv	98			70	130	
	Hexachloro-1,3-butadiene	10	8.10	ppbv	81			70	130	
	Naphthalene	10	11.0	ppbv	110			70	130	
	1,3-Butadiene	10	9.80	ppbv	98			70	130	
	4-Ethyltoluene	10	11.1	ppbv	111			70	130	
	Hexane	10	9.40	ppbv	94			70	130	
	Allyl Chloride	10	9.60	ppbv	96			70	130	
	1,4-Dioxane	10	9.80	ppbv	98			70	130	
	Methyl methacrylate	10	11.1	ppbv	111			70	130	

Duplicate Sample Summary

Lab Sample Id :	M2174-01DUP	M2174-01
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL036853.D	VL036852.D
Anal Date & Time :	04/27/2021 11:56	04/27/2021 11:15

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
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	0.1	0.1	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	0.11	0.11	0
2-Butanone	0	0	0
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	8.7	8.3	4.7
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	0.07	0.07	0

Duplicate Sample Summary

Lab Sample Id :	M2174-01DUP	M2174-01
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL036853.D	VL036852.D
Anal Date & Time :	04/27/2021 11:56	04/27/2021 11:15

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.54	0.53	1.9
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0.22	0.24	8.7
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.26	0.29	10.9
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0.24	0.22	8.7
Hexachloro-1,3-Butadiene	0	0	0
Hexane	8.4	6	33.3 *
m/p-Xylene	0.28	0.29	3.5
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	26.2	17.9	37.6 *
Naphthalene	0	0	0
o-Xylene	0.12	0.12	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0.2	0.22	9.5
Tetrahydrofuran	0	0	0
Toluene	0.88	0.88	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.22	0.24	8.7
Vinyl Chloride	0	0	0



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0427ABL01

Lab Name: CHEMTECHContract: EAEN05Lab Code: CHEM Case No.: M2172SAS No.: M2172 SDG NO.: M2172Lab File ID: VL036850.DLab Sample ID: VL0427ABL01Date Analyzed: 04/27/2021Time Analyzed: 07:46GC Column: RTX-1 ID: 0.32 (mm)Heated Purge: (Y/N) NInstrument 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
VL0427ABS01	VL0427ABS01	VL036851.D	04/27/2021
IA1DUP	M2174-01DUP	VL036853.D	04/27/2021
OFFSITE-DDC-INTERMEDIATE-2	M2172-02	VL036859.D	04/27/2021
OFFSITE-DDC-INTERMEDIATE-1	M2172-04	VL036861.D	04/27/2021
OFFSITE-DDC-INTERMEDIATE-1DL	M2172-04DL	VL036862.D	04/27/2021
SVE-EFFLUENT	M2172-07	VL036863.D	04/27/2021
SVE-EFFLUENTDL	M2172-07DL	VL036864.D	04/27/2021
OFFSITE-DDC-INFLUENT	M2172-08	VL036865.D	04/27/2021
OFFSITE-DDC-INFLUENTDL	M2172-08DL	VL036866.D	04/27/2021
OFFSITE-DDC-EFFLUENT	M2172-09	VL036867.D	04/27/2021
OFFSITE-DDC-EFFLUENTDL	M2172-09DL	VL036868.D	04/27/2021
DDC-2-EFFLUENT	M2172-05	VL036869.D	04/27/2021
DDC-2-INFLUENT-1	M2172-06	VL036870.D	04/27/2021
DDC-2-INFLUENT-2	M2172-03	VL036871.D	04/27/2021

COMMENTS: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0428ABL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2172

SAS No.: M2172 SDG NO.: M2172

Lab File ID: VL036875.D

Lab Sample ID: VL0428ABL01

Date Analyzed: 04/28/2021

Time Analyzed: 11:17

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
VL0428ABS01	VL0428ABS01	VL036876.D	04/28/2021
SVE-INFLUENT	M2172-01	VL036877.D	04/28/2021
SVE-INFLUENTDL	M2172-01DL	VL036878.D	04/28/2021
DDC-2-EFFLUENTDL	M2172-05DL	VL036886.D	04/28/2021
DDC-2-INFLUENT-1DL	M2172-06DL	VL036887.D	04/28/2021
DDC-2-INFLUENT-2DL	M2172-03DL	VL036888.D	04/28/2021

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	EAEN05	
Lab Code:	CHEM	Case No.:	M2172	SAS No.:	M2172
				SDG NO.:	M2172
Lab File ID:	VL036841.D		BFB Injection Date:	04/27/2021	
Instrument ID:	MSVOA_L		BFB Injection Time:	00:47	
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	25.2
75	30.0 - 66.0% of mass 95	55.9
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	0.8 (1.2) 1
174	50.0 - 120.0% of mass 95	61.5
175	4.0 - 9.0% of mass 174	4.9 (8) 1
176	93.0 - 101.0% of mass 174	59.8 (97.1) 1
177	5.0 - 9.0% of mass 176	3.9 (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
VSTDICCC010	VSTDICCC010	VL036842.D	04/27/2021	01:26
VSTDICCC002	VSTDICCC002	VL036843.D	04/27/2021	02:06
VSTDICCC001	VSTDICCC001	VL036844.D	04/27/2021	02:44
VSTDICCC0.5	VSTDICCC0.5	VL036845.D	04/27/2021	03:20
VSTDICCC0.1	VSTDICCC0.1	VL036846.D	04/27/2021	03:57
VSTDICCC0.03	VSTDICCC0.03	VL036847.D	04/27/2021	04:33
VSTDICCC015	VSTDICCC015	VL036848.D	04/27/2021	05:14
VL0427ABL01	VL0427ABL01	VL036850.D	04/27/2021	07:46
VL0427ABS01	VL0427ABS01	VL036851.D	04/27/2021	08:24
IA1DUP	M2174-01DUP	VL036853.D	04/27/2021	11:56
OFFSITE-DDC-INTERMEDIATE-2	M2172-02	VL036859.D	04/27/2021	15:54
OFFSITE-DDC-INTERMEDIATE-1	M2172-04	VL036861.D	04/27/2021	17:13
OFFSITE-DDC-INTERMEDIATE-1DL	M2172-04DL	VL036862.D	04/27/2021	17:51
SVE-EFFLUENT	M2172-07	VL036863.D	04/27/2021	18:32
SVE-EFFLUENTDL	M2172-07DL	VL036864.D	04/27/2021	19:11
OFFSITE-DDC-INFLUENT	M2172-08	VL036865.D	04/27/2021	19:51
OFFSITE-DDC-INFLUENTDL	M2172-08DL	VL036866.D	04/27/2021	20:30
OFFSITE-DDC-EFFLUENT	M2172-09	VL036867.D	04/27/2021	21:11
OFFSITE-DDC-EFFLUENTDL	M2172-09DL	VL036868.D	04/27/2021	21:49
DDC-2-EFFLUENT	M2172-05	VL036869.D	04/27/2021	22:30

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>EAEN05</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>M2172</u>
Lab File ID:	<u>VL036841.D</u>	SAS No.:	<u>M2172</u>
Instrument ID:	<u>MSVOA_L</u>	SDG NO.:	<u>M2172</u>
GC Column:	<u>RTX-1</u>	BFB Injection Date:	<u>04/27/2021</u>
ID:	<u>0.32</u>	BFB Injection Time:	<u>00:47</u>
(mm)		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.2
75	30.0 - 66.0% of mass 95	55.9
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	0.8 (1.2) 1
174	50.0 - 120.0% of mass 95	61.5
175	4.0 - 9.0% of mass 174	4.9 (8) 1
176	93.0 - 101.0% of mass 174	59.8 (97.1) 1
177	5.0 - 9.0% of mass 176	3.9 (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
DDC-2-INFLUENT-1	M2172-06	VL036870.D	04/27/2021	23:11
DDC-2-INFLUENT-2	M2172-03	VL036871.D	04/27/2021	23:52

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>EAEN05</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>M2172</u>
Lab File ID:	<u>VL036873.D</u>	SAS No.:	<u>M2172</u>
Instrument ID:	<u>MSVOA_L</u>	SDG NO.:	<u>M2172</u>
GC Column:	<u>RTX-1</u>	BFB Injection Date:	<u>04/28/2021</u>
ID:	<u>0.32</u>	BFB Injection Time:	<u>09:04</u>
(mm)		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26
75	30.0 - 66.0% of mass 95	58.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.3) 1
174	50.0 - 120.0% of mass 95	62.5
175	4.0 - 9.0% of mass 174	5.1 (8.2) 1
176	93.0 - 101.0% of mass 174	58.8 (94) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDCCC010	VSTDCCC010	VL036874.D	04/28/2021	09:43
VL0428ABL01	VL0428ABL01	VL036875.D	04/28/2021	11:17
VL0428ABS01	VL0428ABS01	VL036876.D	04/28/2021	12:05
SVE-INFLUENT	M2172-01	VL036877.D	04/28/2021	13:23
SVE-INFLUENTDL	M2172-01DL	VL036878.D	04/28/2021	14:01
DDC-2-EFFLUENTDL	M2172-05DL	VL036886.D	04/28/2021	19:19
DDC-2-INFLUENT-1DL	M2172-06DL	VL036887.D	04/28/2021	19:57
DDC-2-INFLUENT-2DL	M2172-03DL	VL036888.D	04/28/2021	20:35

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2172 SAS No.: M2172 SDG NO.: M2172
 Lab File ID: VL036842.D Date Analyzed: 04/27/2021
 Instrument ID: MSVOA_L Time Analyzed: 01:26
 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	1561930	5.66	4030020	7.17	3809530	12.08
UPPER LIMIT	2186700	5.99	5642030	7.50	5333340	12.41
LOWER LIMIT	937157	5.33	2418010	6.84	2285720	11.75
EPA SAMPLE NO.						
OFFSITE-DDC-INTERMEDIATE-2	1314435	5.67	3168903	7.18	2788295	12.09
DDC-2-INFLUENT-2	1541173	5.67	3785770	7.19	3529227	12.10
OFFSITE-DDC-INTERMEDIATE-1	1396984	5.67	3226130	7.18	2752015	12.09
OFFSITE-DDC-INTERMEDIATE-1DL	1470004	5.67	3445954	7.18	3123904	12.09
DDC-2-EFFLUENT	1564340	5.67	3624955	7.18	3315983	12.10
DDC-2-INFLUENT-1	1591586	5.67	3851108	7.19	3582360	12.10
SVE-EFFLUENT	1394030	5.67	3261268	7.18	2837527	12.10
SVE-EFFLUENTDL	1416943	5.67	3371376	7.18	2994192	12.10
OFFSITE-DDC-INFLUENT	1420568	5.67	3350315	7.18	2947141	12.10
OFFSITE-DDC-INFLUENTDL	1540993	5.67	3633944	7.18	3200319	12.10
OFFSITE-DDC-EFFLUENT	1428460	5.67	3373078	7.18	2930259	12.10
OFFSITE-DDC-EFFLUENTDL	1559562	5.67	3707481	7.18	3244151	12.09
IA1DUP	1352332	5.66	3191653	7.17	2836333	12.09
VL0427ABL01	1542980	5.66	3687182	7.17	3173932	12.08
VL0427ABS01	1528115	5.66	3925934	7.17	3636515	12.08

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2172 SAS No.: M2172 SDG NO.: M2172
 Lab File ID: VL036874.D Date Analyzed: 04/28/2021
 Instrument ID: MSVOA_L Time Analyzed: 09:43
 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	1533960	5.68	4031680	7.19	3569350	12.10
UPPER LIMIT	2147550	6.01	5644350	7.52	4997090	12.43
LOWER LIMIT	920377	5.35	2419010	6.86	2141610	11.77
EPA SAMPLE NO.						
SVE-INFLUENT	1451933	5.68	3501293	7.19	3207248	12.10
SVE-INFLUENTDL	1548607	5.68	3579288	7.19	3099747	12.11
DDC-2-INFLUENT-2DL	1478884	5.68	3447537	7.20	3237316	12.11
DDC-2-EFFLUENTDL	1428930	5.68	3318987	7.20	3042649	12.11
DDC-2-INFLUENT-1DL	1498969	5.69	3341209	7.20	3102572	12.11
VL0428ABL01	1522963	5.68	3633484	7.19	3189402	12.10
VL0428ABS01	1560515	5.68	3971047	7.19	3656265	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:	VL0427ABL01	SDG No.:	M2172
Lab Sample ID:	VL0427ABL01	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
VL036850.D	1		04/27/21 07:46	VL042721

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:	VL0427ABL01	SDG No.:	M2172
Lab Sample ID:	VL0427ABL01	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
VL036850.D	1		04/27/21 07:46	VL042721

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	9.90			65 - 135	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1540000		5.66			
540-36-3	1,4-Difluorobenzene	3690000		7.17			
3114-55-4	Chlorobenzene-d5	3170000		12.08			

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:	VL0428ABL01	SDG No.:	M2172
Lab Sample ID:	VL0428ABL01	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
VL036875.D	1		04/28/21 11:17	VL042821

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:	VL0428ABL01	SDG No.:	M2172
Lab Sample ID:	VL0428ABL01	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
VL036875.D	1		04/28/21 11:17	VL042821

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	1520000		5.68			
540-36-3	1,4-Difluorobenzene	3630000		7.19			
3114-55-4	Chlorobenzene-d5	3190000		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:	
Project:	NYSDEC - National Heatset TO-15	Date Received:	
Client Sample ID:	VL0427ABS01	SDG No.:	M2172
Lab Sample ID:	VL0427ABS01	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
VL036851.D	1		04/27/21 08:24	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	9.30	46.0		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	9.30	23.8		0.080	0.080	ug/m3
74-83-9	Bromomethane	9.50	36.9		0.16	1.94	ug/m3
75-00-3	Chloroethane	9.90	26.1		0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.1	29.8		0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.40	52.8		0.22	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.60	73.6		0.31	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.50	66.4		0.35	3.49	ug/m3
75-65-0	tert-Butyl alcohol	9.60	29.1		0.12	1.52	ug/m3
142-82-5	Heptane	10.1	41.4		0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.60	38.1		0.20	1.98	ug/m3
67-64-1	Acetone	8.00	19.0		0.90	1.19	ug/m3
75-15-0	Carbon Disulfide	10.9	33.9		0.12	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.80	31.7		0.11	1.80	ug/m3
75-09-2	Methylene Chloride	7.30	25.4		1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.90	39.3		0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.50	38.5		0.16	2.02	ug/m3
110-82-7	Cyclohexane	10.1	34.8		0.24	1.72	ug/m3
78-93-3	2-Butanone	9.30	27.4		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	10.0	39.6		0.16	1.98	ug/m3
67-66-3	Chloroform	9.50	46.4		0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.40	51.3		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.50	44.4		0.14	2.34	ug/m3
71-43-2	Benzene	9.80	31.3		0.10	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.0	40.5		0.16	2.02	ug/m3
79-01-6	Trichloroethene	10.0	53.7		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.50	43.9		0.18	2.31	ug/m3
75-27-4	Bromodichloromethane	10.0	67.0		0.20	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.4	42.6		0.12	2.05	ug/m3
108-88-3	Toluene	10.4	39.2		0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	10.9	49.5		0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	10.7	48.6		0.090	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.40	51.3		0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	10.4	88.6		0.26	4.26	ug/m3
106-93-4	1,2-Dibromoethane	9.70	74.5		0.23	3.84	ug/m3
127-18-4	Tetrachloroethene	9.60	65.1		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:	VL0427ABS01	SDG No.:	M2172
Lab Sample ID:	VL0427ABS01	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
VL036851.D	1		04/27/21 08:24	VL042721

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	9.40	43.3		0.14	2.30	ug/m3
100-41-4	Ethyl Benzene	10.4	45.2		0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	19.7	85.6		0.26	4.34	ug/m3
95-47-6	o-Xylene	9.70	42.1		0.17	2.17	ug/m3
100-42-5	Styrene	11.7	49.8		0.13	2.13	ug/m3
75-25-2	Bromoform	10.5	109		0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	8.90	61.1		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	10.0	51.8		0.16	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.0	49.2		0.10	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	9.60	47.2		0.15	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.40	56.5		0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.20	55.3		0.18	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	9.30	55.9		0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	9.50	70.5		0.30	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	7.80	83.2		0.53	5.33	ug/m3
106-99-0	1,3-Butadiene	9.90	21.9		0.11	1.11	ug/m3
91-20-3	Naphthalene	10.4	54.5		0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	10.7	52.6		0.15	2.46	ug/m3
110-54-3	Hexane	9.20	32.4		0.11	1.76	ug/m3
107-05-1	Allyl Chloride	9.50	29.7		0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	8.90	32.1		0.86	1.80	ug/m3
80-62-6	Methyl Methacrylate	10.6	43.4		0.12	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135	103%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1530000		5.66			
540-36-3	1,4-Difluorobenzene	3930000		7.17			
3114-55-4	Chlorobenzene-d5	3640000		12.08			

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:	VL0428ABS01	SDG No.:	M2172
Lab Sample ID:	VL0428ABS01	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
VL036876.D	1		04/28/21 12:05	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	9.20	45.5		0.35	2.47	ug/m3
74-87-3	Chloromethane	9.80	20.2		0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	9.70	24.8		0.080	0.080	ug/m3
74-83-9	Bromomethane	10.3	40.0		0.16	1.94	ug/m3
75-00-3	Chloroethane	10.0	26.4		0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	9.90	29.2		0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.80	55.1		0.22	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.70	74.3		0.31	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.80	68.5		0.35	3.49	ug/m3
75-65-0	tert-Butyl alcohol	10.4	31.5		0.12	1.52	ug/m3
142-82-5	Heptane	10.1	41.4		0.12	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.90	39.3		0.20	1.98	ug/m3
67-64-1	Acetone	8.00	19.0		0.90	1.19	ug/m3
75-15-0	Carbon Disulfide	10.4	32.4		0.12	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	11.9	42.9		0.11	1.80	ug/m3
75-09-2	Methylene Chloride	7.80	27.1		1.46	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.50	37.7		0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	11.1	44.9		0.16	2.02	ug/m3
110-82-7	Cyclohexane	10.3	35.5		0.24	1.72	ug/m3
78-93-3	2-Butanone	9.30	27.4		0.090	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.2	64.2		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	10.2	40.4		0.16	1.98	ug/m3
67-66-3	Chloroform	9.80	47.9		0.20	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.80	53.5		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.90	46.2		0.14	2.34	ug/m3
71-43-2	Benzene	10.0	31.9		0.10	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.3	41.7		0.16	2.02	ug/m3
79-01-6	Trichloroethene	10.4	55.9		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.60	44.4		0.18	2.31	ug/m3
75-27-4	Bromodichloromethane	10.4	69.7		0.20	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.5	43.0		0.12	2.05	ug/m3
108-88-3	Toluene	10.7	40.3		0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	11.3	51.3		0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	11.3	51.3		0.090	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.0	54.6		0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	10.8	92.0		0.26	4.26	ug/m3
106-93-4	1,2-Dibromoethane	9.90	76.1		0.23	3.84	ug/m3
127-18-4	Tetrachloroethene	9.80	66.5		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:	VL0428ABS01	SDG No.:	M2172
Lab Sample ID:	VL0428ABS01	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
VL036876.D	1		04/28/21 12:05	VL042821

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	9.80	45.1		0.14	2.30	ug/m3
100-41-4	Ethyl Benzene	10.8	46.9		0.13	2.17	ug/m3
179601-23-1	m/p-Xylene	20.8	90.3		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	12.2	51.9		0.13	2.13	ug/m3
75-25-2	Bromoform	11.2	116		0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.40	64.5		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	10.4	53.9		0.16	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.4	51.1		0.10	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	10.2	50.1		0.15	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.90	59.5		0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.70	58.3		0.18	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	9.80	58.9		0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	9.80	72.8		0.30	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.10	86.4		0.53	5.33	ug/m3
106-99-0	1,3-Butadiene	9.80	21.7		0.11	1.11	ug/m3
91-20-3	Naphthalene	11.0	57.7		0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	11.1	54.6		0.15	2.46	ug/m3
110-54-3	Hexane	9.40	33.1		0.11	1.76	ug/m3
107-05-1	Allyl Chloride	9.60	30.1		0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	9.80	35.3		0.86	1.80	ug/m3
80-62-6	Methyl Methacrylate	11.1	45.5		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	1560000		5.68			
540-36-3	1,4-Difluorobenzene	3970000		7.19			
3114-55-4	Chlorobenzene-d5	3660000		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

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL042721AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021

Last Update : Tue Apr 27 16:56:35 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL036847.D 0.1 =VL036846.D 0.5 =VL036845.D 1 =VL036844.D 2 =VL036843.D 10 =VL036842.D 15 =VL036848.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.936	1.762	1.413	1.501	1.262	1.575	17.25
3) Chlorodifluoro...			1.847	2.002	1.950	1.674	1.634	1.822	8.97
4) Chloromethane			0.621	0.604	0.627	0.575	0.566	0.599	4.58
5) T Vinyl Chloride	0.682	0.633	0.561	0.626	0.615	0.558	0.553	0.604	8.04
6) T Bromomethane			0.304	0.342	0.344	0.313	0.320	0.325	5.50
7) Chloroethane			0.215	0.197	0.204	0.188	0.187	0.198	5.85
8) T Dichlorotetra...			1.554	1.536	1.484	1.334	1.274	1.436	8.73
9) T Propene			0.503	0.583	0.593	0.550	0.545	0.555	6.39
10) T Heptane			1.227	1.408	1.532	1.423	1.390	1.396	7.83
11) T Trichlorofluor...			1.469	1.503	1.438	1.336	1.283	1.406	6.60
12) T 1,1,2-Trichlor...			0.967	0.939	1.006	0.904	0.888	0.941	5.09
13) Ethanol			0.072	0.087	0.090	0.056	0.050	0.071	25.63
14) T Bromoethene			0.362	0.396	0.411	0.374	0.380	0.384	5.00
15) T Acetone			1.026	1.113	1.054	0.759	0.761	0.943	17.98
16) T 1,3-Butadiene			0.518	0.671	0.670	0.579	0.575	0.603	11.06
17) tert-Butyl alc...			0.845	0.892	0.746	0.762	0.581	0.765	15.55
18) T 1,1-Dichloroet...			0.426	0.406	0.451	0.383	0.379	0.409	7.36
19) T Isopropyl Alcohol			0.556	0.527	0.488	0.416	0.349	0.467	18.08
20) T Methylene Chlo...			0.538	0.540	0.509	0.335	0.331	0.451	23.94
21) T Allyl Chloride			0.666	0.724	0.774	0.663	0.675	0.700	6.85
22) T trans-1,2-Dich...			0.388	0.454	0.414	0.402	0.393	0.410	6.43
23) T Vinyl Acetate			1.056	1.354	1.402	1.369	1.230	1.282	11.11
24) T 1,1-Dichloroet...			0.930	0.938	1.010	0.822	0.852	0.910	8.21
25) T Ethyl Acetate			2.205	2.515	2.555	2.163	2.073	2.302	9.47
26) T Hexane			1.058	1.173	1.230	0.973	0.952	1.077	11.31
27) T Carbon Disulfide			0.810	0.916	0.937	1.004	1.010	0.936	8.68
28) T Methyl tert-Bu...			0.963	0.955	1.061	0.929	0.865	0.955	7.43
29) T Chloroform			1.711	1.753	1.804	1.595	1.533	1.679	6.69
30) T Cyclohexane			0.807	0.854	0.924	0.845	0.842	0.854	5.00
31) T cis-1,2-Dichlo...			0.805	1.016	1.059	0.970	0.985	0.967	10.01
32) T 1,1,1-Trichlor...	1.904	1.666	1.644	1.793	1.790	1.602	1.556	1.708	7.27

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.439	0.406	0.513	0.416	0.416	0.438	9.94
35) T Carbon Tetrach...	0.641	0.727	0.672	0.697	0.714	0.654	0.646	0.679	5.04
36) T Benzene			0.795	0.889	0.906	0.817	0.805	0.843	6.10
37) T 1,2-Dichloroet...			0.449	0.486	0.517	0.470	0.464	0.477	5.39
38) T Trichloroethene	0.254	0.288	0.308	0.328	0.331	0.301	0.289	0.300	8.80
39) T 1,2-Dichloropr...			0.351	0.348	0.354	0.320	0.315	0.338	5.47

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\
 Method File : VL042721AIR.M

40)	T	1,4-Dioxane			0.101	0.093	0.074	0.076	0.064	0.082	18.61
41)	T	Tetrahydrofuran			0.160	0.192	0.207	0.199	0.200	0.192	9.70
42)	T	Bromodichlorom...			0.617	0.667	0.723	0.652	0.655	0.663	5.81
43)		Methyl Methacr...			0.223	0.264	0.300	0.294	0.295	0.275	11.78
44)	T	2,2,4-Trimethy...			1.362	1.562	1.618	1.378	1.299	1.444	9.56
45)	T	t-1,3-Dichloro...			0.202	0.262	0.311	0.349	0.358	0.296	21.89
46)	T	cis-1,3-Dichlo...			0.295	0.340	0.407	0.425	0.433	0.380	15.76
47)	T	1,1,2-Trichlor...			0.338	0.370	0.376	0.334	0.330	0.349	6.27
48)	T	Dibromochlorom...			0.441	0.491	0.567	0.544	0.545	0.518	9.84
49)	T	Bromoform			0.334	0.392	0.443	0.452	0.447	0.413	12.23
50)	T	4-Methyl-2-Pen...			0.493	0.584	0.655	0.631	0.630	0.599	10.73
51)	T	2-Hexanone			0.224	0.261	0.316	0.344	0.348	0.299	18.26
52)	T	Tetrachloroethene	0.272	0.266	0.292	0.307	0.315	0.282	0.273	0.287	6.47
53)	T	Toluene			0.725	0.887	0.983	0.913	0.901	0.882	10.79
54)	T	1,2-Dibromoethane			0.463	0.529	0.524	0.477	0.475	0.493	6.20
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.419	0.454	0.448	0.392	0.382	0.419	7.69
57)	T	Chlorobenzene			0.789	0.836	0.845	0.722	0.702	0.779	8.32
58)	T	Ethyl Benzene			1.042	1.314	1.419	1.301	1.265	1.268	10.95
59)	T	m/p-Xylene			0.995	1.232	1.285	1.098	1.058	1.134	10.68
60)	T	o-Xylene			1.025	1.212	1.204	1.038	1.002	1.096	9.40
61)	T	Styrene			0.319	0.449	0.583	0.610	0.612	0.515	24.94
62)		Isopropylbenzene			1.428	1.611	1.655	1.404	1.359	1.491	8.88
63)	T	1,1,2,2-Tetrac...	1.019	0.916	0.847	0.954	0.923	0.757	0.734	0.879	11.92
64)		n-propylbenzene			0.313	0.391	0.414	0.369	0.372	0.372	10.12
65)		tert-Butylbenzene			1.146	1.470	1.525	1.252	1.200	1.319	12.80
66)	T	Benzyl Chloride			0.107	0.111	0.133	0.138	0.155	0.129	15.32
67)		sec-Butylbenzene			1.591	2.026	2.130	1.741	1.667	1.831	12.80
68)	S	1-Bromo-4-Fluo...	0.793	0.807	0.796	0.803	0.779	0.808	0.834	0.803	2.09
69)		p-Isopropyltol...			1.171	1.602	1.717	1.454	1.395	1.468	14.21
70)		n-Butylbenzene			1.135	1.562	1.764	1.494	1.443	1.480	15.41
71)		2-Chlorotoluene			0.945	1.176	1.237	1.094	1.071	1.105	10.04
72)	T	4-Ethyltoluene			0.862	1.232	1.351	1.245	1.192	1.177	15.74
73)	T	1,3,5-Trimethy...			0.980	1.196	1.293	1.137	1.098	1.141	10.16
74)	T	1,2,4-Trimethy...			1.020	1.329	1.426	1.173	1.113	1.212	13.53
75)	T	1,3-Dichlorobe...			0.686	0.772	0.776	0.679	0.669	0.716	7.35
76)	T	1,4-Dichlorobe...			0.683	0.784	0.723	0.659	0.656	0.701	7.66
77)	T	1,2-Dichlorobe...			0.691	0.760	0.753	0.650	0.645	0.700	7.86
78)	T	Hexachloro-1,3...			0.629	0.676	0.663	0.510	0.496	0.595	14.39
79)	T	Naphthalene			0.411	0.513	0.782	0.829	0.860	0.679	29.94
80)	T	Naphthalene,2-...			0.048	0.056	0.059	0.117	0.094	0.075	39.51
81)	T	1,2,4-Trichlor...			0.319	0.440	0.500	0.462	0.475	0.439	16.09

(#) = Out of Range

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2172 SAS No.: M2172 SDG No.: M2172
 Instrument ID: MSVOA_L Calibration Date/Time: 04/28/2021 09:43
 Lab File ID: VL036874.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 01:26 05:14
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.575	1.466		-6.92	30
Chloromethane	0.599	0.588		-1.84	30
Vinyl Chloride	0.604	0.596		-1.33	30
Bromomethane	0.325	0.334		2.77	30
Chloroethane	0.198	0.204		3.03	30
Tetrahydrofuran	0.192	0.194		1.04	30
Trichlorofluoromethane	1.406	1.386		-1.42	30
1,1,2-Trichlorotrifluoroethane	0.941	0.944		0.32	30
Dichlorotetrafluoroethane	1.436	1.421		-1.04	30
tert-Butyl alcohol	0.765	0.818		6.93	30
Heptane	1.396	1.435		2.79	30
1,1-Dichloroethene	0.409	0.398		-2.69	30
Acetone	0.943	0.778		-17.5	30
Carbon Disulfide	0.936	1.026		9.61	30
Methyl tert-Butyl Ether	0.955	1.144		19.79	30
Methylene Chloride	0.451	0.346		-23.28	30
trans-1,2-Dichloroethene	0.410	0.402		-1.95	30
1,1-Dichloroethane	0.910	0.976		7.25	30
Cyclohexane	0.854	0.871		1.99	30
2-Butanone	0.438	0.416		-5.02	30
Carbon Tetrachloride	0.679	0.684		0.74	30
cis-1,2-Dichloroethene	0.967	1.042		7.76	30
Chloroform	1.679	1.684		0.3	30
1,1,1-Trichloroethane	1.708	1.716		0.47	30
2,2,4-Trimethylpentane	1.444	1.411		-2.29	30
Benzene	0.843	0.842		-0.12	30
1,2-Dichloroethane	0.477	0.479		0.42	30
Trichloroethene	0.300	0.311		3.67	30
1,2-Dichloropropane	0.338	0.329		-2.66	30
Bromodichloromethane	0.663	0.686		3.47	30
4-Methyl-2-Pentanone	0.599	0.618		3.17	30
Toluene	0.882	0.931		5.56	30
t-1,3-Dichloropropene	0.296	0.329		11.15	30
cis-1,3-Dichloropropene	0.380	0.429		12.9	30
1,1,2-Trichloroethane	0.349	0.345		-1.15	30
Dibromochloromethane	0.518	0.558		7.72	30
1,2-Dibromoethane	0.493	0.487		-1.22	30
Tetrachloroethene	0.287	0.287		0	30
Chlorobenzene	0.779	0.780		0.13	30

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

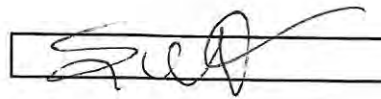
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2172 SAS No.: M2172 SDG No.: M2172
 Instrument ID: MSVOA_L Calibration Date/Time: 04/28/2021 09:43
 Lab File ID: VL036874.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 01:26 05:14
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Ethyl Benzene	1.268	1.402		10.57	30
m/p-Xylene	1.134	1.194		5.29	30
o-Xylene	1.096	1.121		2.28	30
Styrene	0.515	0.637		23.69	30
Bromoform	0.413	0.450		8.96	30
1,1,2,2-Tetrachloroethane	0.879	0.822		-6.49	30
2-Chlorotoluene	1.105	1.166		5.52	30
1,3,5-Trimethylbenzene	1.141	1.203		5.43	30
1,2,4-Trimethylbenzene	1.212	1.246		2.81	30
1,3-Dichlorobenzene	0.716	0.723		0.98	30
1,4-Dichlorobenzene	0.701	0.691		-1.43	30
1,2-Dichlorobenzene	0.700	0.689		-1.57	30
1,2,4-Trichlorobenzene	0.439	0.452		2.96	30
Hexachloro-1,3-Butadiene	0.595	0.495		-16.81	30
1,3-Butadiene	0.603	0.573		-4.97	30
Naphthalene	0.679	0.771		13.55	30
4-Ethyltoluene	1.177	1.307		11.05	30
1-Bromo-4-Fluorobenzene	0.803	0.855		6.48	30
Hexane	1.077	1.039		-3.53	30
Allyl Chloride	0.700	0.689		-1.57	30
1,4-Dioxane	81.510	78.066		-4.22	30
Methyl Methacrylate	0.275	0.301		9.45	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

Client Contact Information				Bottle Order ID : B2103104				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 Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : United States				Project Manager : EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																						
				Phone Number : 315-431-4610																										
				Fax Number : 3154314280																										
				Site Details:																										
				Analysis Turnaround Time				Data Package Type : NYS Equip																						
				Standard : 10 business days OR				EDD Type : Equip 4-File																						
Rush (Specify): _____ Days																														
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/Ambient Air	Soil Gas	System Process Air												
SVE Influent	4/24/21	0825	1200	28	6.5	64	64	-30	-3.5	10714	10448	6 L	25	VL036630.D	X			X												
Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>53</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>53</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	53			Stop	53			GC/MS Analyst Signature (TO-15) 								
	Ambient	Maximum	Minimum																											
Start	53																													
Stop	53																													
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>29.94</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>29.94</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	29.94			Stop	29.94			** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO								
	Ambient	Maximum	Minimum																											
Start	29.94																													
Stop	29.94																													
Special Instructions/QC Requirements & Comments :																														
Suspected Contamination: High Medium <u>Low</u> PID Readings: 3415 ppb Sampling site (State):																														
Quick Connector required : NO																														
Canisters Shipped by: AP				Date/Time: 4/6/21				Canisters Received by: CP				Date/Time: 11:00 4-23-21				B2103104 - 7														
Samples Relinquished by: AP				Date/Time: 4-21-21/1200				Received by:				Date/Time:																		
Relinquished by:				Date/Time:				Received by:				Date/Time:																		



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

CHEMTECH Project No. :

M2172

Client Contact Information				Bottle Order ID : B2103104				Courier :				1 of 1 COCs						
Client ID : EAEN05				Project ID : NYSDEC - National Heatset TO-15				Sampler Name(s) : <u>D. Howe</u>				Analysis		Matrix				
Customer Name : EA Engineering Science & Technology Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : <u>United States</u>				Project Manager : EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified										
				Phone Number : 315-431-4610														
				Fax Number : 3154314280														
				Site Details:														
				Analysis Turnaround Time				Data Package Type : <u>NYS Equis</u>										
				Standard : 10 business days OR				EDD Type : <u>Equis 4-File</u>										
Rush (Specify): _____ Days																		
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/Ambient Air	Soil Gas	Process System Air
<u>Offsite DDC Inter mediate #2</u>	<u>4/20/21</u>	<u>0744</u>	<u>1121</u>	<u>30</u>	<u>6.5</u>	<u>60</u>	<u>60</u>	<u>-30</u>	<u>-6.7</u>	<u>10704</u>	<u>10280</u>	<u>6 L</u>	<u>25</u>	<u>VL036630.D</u>	<u>X</u>			<u>X</u>
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) <u>[Signature]</u>								
		Ambient	Maximum	Minimum														
Start		<u>53</u>																
Stop		<u>53</u>																
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO								
		Ambient	Maximum	Minimum														
Start		<u>29.92</u>																
Stop		<u>29.92</u>																
Special Instructions/QC Requirements & Comments :																		
Suspected Contamination: High Medium <u>Low</u> PID Readings:																		
Sampling site (State):																		
Quick Connector required : <u>No</u>																		
Canisters Shipped by: <u>[Signature]</u>				Date/Time: <u>4/6/21</u>				Canisters Received by: <u>CP</u>				Date/Time: <u>11:00 4.23.21</u>				B2103104 - 4		
Samples Relinquished by: <u>[Signature]</u>				Date/Time: <u>4-21-21 / 1200</u>				Received by:				Date/Time:						
Relinquished by:				Date/Time:				Received by:				Date/Time:						



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

CHEMTECH Project No. :

M2172

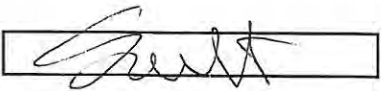
Client Contact Information				Bottle Order ID : B2103104				Courier :				1 of 1 COCs							
Client ID : EAEN05 Project ID : NYSDEC - National Heatset TO-15				Sampler Name(s) : <i>D. Howe</i>				Analysis				Matrix							
Customer Name : EA Engineering Science & Technology Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : <i>United States</i>				Project Manager EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified											
				Phone Number : 315-431-4610															
				Fax Number : 3154314280															
				Site Details:															
Analysis Turnaround Time																			
Standard : 10 business days OR				Data Package Type : <i>NYS Equis</i>															
Rush (Specify): Days				EDD Type : <i>Equis 4-File</i>															
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/Ambient Air	Soil Gas	System Process Air		
<i>DDC 2 Influent #2</i>	<i>4/20/21</i>	<i>0812</i>	<i>1145</i>	<i>28</i>	<i>9.5</i>	<i>61</i>	<i>61</i>	<i>-30</i>	<i>-8.8</i>	<i>10700</i>	<i>10258</i>	<i>6 L</i>	<i>25</i>	<i>VL036630.D</i>	<i>X</i>		<i>X</i>		
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) <i>[Signature]</i>									
		Ambient	Maximum	Minimum															
Start		<i>53</i>																	
Stop		<i>53</i>								** Submittal of this COC indicates approval of the analysis based on existing condition Please follow the instructions on the back of this CO									
Pressure (Inches of Hg)																			
		Ambient	Maximum	Minimum															
Start		<i>29.94</i>																	
Stop		<i>29.94</i>																	
Special Instructions/QC Requirements & Comments :																			
Suspected Contamination: High Medium <i>Low</i> PID Readings: <i>782 ppb</i>																			
Sampling site (State):																			
Quick Connector required : <i>NO</i>																			
Canisters Shipped by: <i>[Signature]</i>				Date/Time: <i>4/6/21</i>				Canisters Received by: <i>[Signature]</i>				Date/Time: <i>11:00 4-23-21</i>				B2103104 - 2			
Samples Relinquished by: <i>[Signature]</i>				Date/Time: <i>4-21-20/1200</i>				Received by:				Date/Time:							
Relinquished by:				Date/Time:				Received by:				Date/Time:							



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CHEMTECH Project No. :

M2172

Client Contact Information				Bottle Order ID : B2103104				Courier :				<u>1</u> of <u>1</u> COCs					
Client ID : EAEN05 Project ID : NYSDEC - National Heatset TO-15				Sampler Name(s) : <u>D. Howe</u>				Analysis				Matrix					
Customer Name : EA Engineering Science & Technology Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : <u>United States</u>				Project Manager EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 315-431-4610													
				Fax Number : 3154314280													
				Site Details:													
Analysis Turnaround Time				Standard : 10 business days OR				Data Package Type : <u>NYS Equis</u>									
Rush (Specify): _____ Days				EDD Type : <u>Equis 4-File</u>													
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/Ambient Air	Soil Gas	System Process Air
<u>offsite DDC</u> <u>In for mediate</u> <u>#1</u>	<u>4/20/21</u>	<u>0744</u>	<u>1115</u>	<u>29</u>	<u>2</u>	<u>60</u>	<u>60</u>	<u>-30</u>	<u>-6.3</u>	<u>10644</u>	<u>10158</u>	<u>6 L</u>	<u>25</u>	<u>VL036562.D</u>	<u>X</u>		<u>X</u>
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 							
		Ambient	Maximum	Minimum													
Start		<u>53</u>															
Stop		<u>53</u>															
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO							
		Ambient	Maximum	Minimum													
Start		<u>29.92</u>															
Stop		<u>29.92</u>															
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium <u>Low</u> PID Readings:																	
Sampling site (State):																	
Quick Connector required : <u>NO</u>																	
Canisters Shipped by: <u>AL</u>				Date/Time: <u>4/6/21</u>				Canisters Received by: <u>CP</u>				Date/Time: <u>11:00 4-23-21</u>					
Samples Relinquished by: <u>AL</u>				Date/Time: <u>4-21-21 1200</u>				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					
B2103104 - 1																	

Client Contact Information				Bottle Order ID : B2103104				Courier :				1 of 1 COCs							
Client ID : EAEN05 Project ID : NYSDEC - National Heatset TO-15				Sampler Name(s) : <u>D. Howe</u>				Analysis				Matrix							
Customer Name : EA Engineering Science & Technology Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : <u>United States</u>				Project Manager : EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified				Indoor/Ambient Air Soil Gas System Process Air							
				Phone Number : 315-431-4610															
				Fax Number : 3154314280															
				Site Details:															
Analysis Turnaround Time				Standard : 10 business days OR				Data Package Type : <u>NYS Equis</u>											
Rush (Specify): _____ Days				EDD Type : <u>Equis 4-File</u>															
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					
<u>PDC 2 Effluent</u>	<u>4/20/21</u>	<u>0813</u>	<u>1149</u>	<u>28</u>	<u>3</u>	<u>61</u>	<u>61</u>	<u>-30</u>	<u>-3.9</u>	<u>10784</u>	<u>10602</u>	<u>6 L</u>	<u>25</u>	<u>VL036630.D</u>	<u>X</u>				<u>X</u>
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) <u>[Signature]</u>									
		Ambient	Maximum	Minimum															
Start		<u>53</u>																	
Stop		<u>53</u>																	
Pressure (Inches of Hg)										** Submittal of this COC Indicates approval of the analysis based on existing condition Please follow the instructions on the back of this CO									
		Ambient	Maximum	Minimum															
Start		<u>29.92</u>																	
Stop		<u>29.92</u>																	
Special Instructions/QC Requirements & Comments :																			
Suspected Contamination: High Medium Low PID Readings: <u>5 ppb</u>																			
Sampling site (State):																			
Quick Connector required : <u>NO</u>																			
Canisters Shipped by: <u>[Signature]</u>				Date/Time: <u>4/6/21</u>				Canisters Received by: <u>AR</u>				Date/Time: <u>11:00 4-23-21</u>				B2103104 - 9			
Samples Relinquished by: <u>[Signature]</u>				Date/Time: <u>4/21/21</u>				Received by:				Date/Time:							
Relinquished by:				Date/Time:				Received by:				Date/Time:							

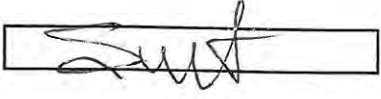
Client Contact Information				Bottle Order ID : B2103104				Courier :				<u>1</u> of <u>1</u> COCs						
Client ID : EAEN05 Project ID : NYSDEC - National Heatset TO-15				Sampler Name(s) : <u>D. Howe</u>				Analysis				Matrix						
Customer Name : EA Engineering Science & Technology Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : <u>United States</u>				Project Manager EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified										
				Phone Number : 315-431-4610														
				Fax Number : 3154314280														
				Site Details:														
Analysis Turnaround Time				Standard : 10 business days OR				Data Package Type : <u>NYS Equis</u>										
Rush (Specify): _____ Days				EDD Type : <u>Equis 4-File</u>														
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/Ambient Air	Soil Gas	System Process Air
<u>DPC 2 Influent #1</u>	<u>4/20/21</u>	<u>0810</u>	<u>6:42</u> <u>1142</u>	<u>30</u>	<u>5.5</u>	<u>61</u>	<u>61</u>	<u>-30</u>	<u>-8.4</u>	<u>10519</u>	<u>10283</u>	<u>6 L</u>	<u>25</u>	<u>VL036562.D</u>	<u>X</u>			<u>X</u>
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) <u>[Signature]</u>								
		Ambient	Maximum	Minimum														
Start		<u>53</u>																
Stop		<u>53</u>																
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO								
		Ambient	Maximum	Minimum														
Start		<u>29.94</u>																
Stop		<u>29.94</u>																
Special Instructions/QC Requirements & Comments :																		
Suspected Contamination: High Medium <u>Low</u> PID Readings: <u>687 ppb</u> Sampling site (State):																		
Quick Connector required : <u>NO</u>																		
Canisters Shipped by: <u>gc</u>				Date/Time: <u>4/6/21</u>				Canisters Received by: <u>CP</u>				Date/Time: <u>11:00 4-23-21</u>				B2103104 - 5		
Samples Relinquished by: <u>gc</u>				Date/Time: <u>4-21-21/1200</u>				Received by:				Date/Time:						
Relinquished by:				Date/Time:				Received by:				Date/Time:						

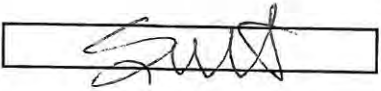


284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. :

M2172

Client Contact Information				Bottle Order ID : B2103104				Courier :				1 of 1 COCs							
Client ID : EAEN05 Project ID : NYSDEC - National Heatset TO-15				Sampler Name(s) : <u>D. Howe</u>				Analysis				Matrix							
Customer Name : EA Engineering Science & Technology Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : <u>United States</u>				Project Manager EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Individual Certified											
				Phone Number : 315-431-4610															
				Fax Number : 3154314280															
				Site Details:															
Analysis Turnaround Time				Standard : 10 business days OR				Data Package Type : <u>NYS Equis</u>											
Rush (Specify): _____ Days				EDD Type : <u>Equis 4-File</u>															
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/Ambient Air	Soil Gas	System Process Air		
<u>SVE</u> <u>GC/Euent</u>	<u>4/20/21</u>	<u>0824</u>	<u>1157</u>	<u>29</u>	<u>0</u>	<u>61</u>	<u>64</u>	<u>-30</u>	<u>-5.5</u>	<u>10780</u>	<u>10598</u> <u>10443</u>	<u>6 L</u>	<u>25</u>	<u>VL036630.D</u>	<u>X</u>		<u>X</u>		
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 									
		Ambient	Maximum	Minimum															
Start		<u>53</u>																	
Stop		<u>53</u>																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions Please follow the instructions on the back of this CO									
		Ambient	Maximum	Minimum															
Start		<u>29.94</u>																	
Stop		<u>29.94</u>																	
Special Instructions/QC Requirements & Comments :																			
Suspected Contamination: High Medium <u>Low</u> PID Readings: <u>Oppb</u>																			
Sampling site (State):																			
Quick Connector required : <u>NO</u>																			
Canisters Shipped by: <u>[Signature]</u>				Date/Time: <u>4/21/21</u>				Canisters Received by: <u>CA</u>				Date/Time: <u>1100 4-23-21</u>				B2103104 - 8			
Samples Relinquished by: <u>[Signature]</u>				Date/Time: <u>4-21-21/1200</u>				Received by:				Date/Time:							
Relinquished by:				Date/Time:				Received by:				Date/Time:							

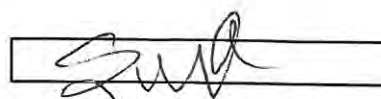
Client Contact Information				Bottle Order ID : B2103104				Courier :				1 of 1 COCs																			
Client ID : EAEN05 Project ID : NYSDEC - National Heatset TO-15				Sampler Name(s) : D. Howe				Analysis				Matrix																			
Customer Name : EA Engineering Science & Technology Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : United States				Project Manager : EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified				Indoor/Ambient Air Soil Gas System Process Air																			
				Phone Number : 315-431-4610																											
				Fax Number : 3154314280																											
				Site Details:																											
Analysis Turnaround Time				Standard : 10 business days OR				Data Package Type : NYS Equis																							
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																
Offsite DRC Influent	4/20/21	0737	1126	30	7	60	60	-30	-4.7	10622	10269	6 L	25	VL036562.D	X					X											
Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>53</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>53</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	53			Stop	53			GC/MS Analyst Signature (TO-15) 									
	Ambient	Maximum	Minimum																												
Start	53																														
Stop	53																														
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>29.92</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>29.92</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	29.92			Stop	29.92			** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO									
	Ambient	Maximum	Minimum																												
Start	29.92																														
Stop	29.92																														
Special Instructions/QC Requirements & Comments :																															
Suspected Contamination: High Medium <u>Low</u> PID Readings:																															
Sampling site (State):																															
Quick Connector required : NO																															
Canisters Shipped by: JK					Date/Time: 4/6/21					Canisters Received by: CP					Date/Time: 11:00 4-23-21																
Samples Relinquished by: BZ					Date/Time: 4-21-21/1200					Received by:					Date/Time:																
Relinquished by:					Date/Time:					Received by:					Date/Time:																
B2103104 - 3																															



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

CHEMTECH Project No. :

M2172

Client Contact Information				Bottle Order ID : B2103104				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 Address : 269 W. Jefferson Street City : Syracuse State : NY Zip Code : 13202 Country : United States				Project Manager EMILY CUMMINGS				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified				Indoor/Ambient Air Soil Gas System Process Air																			
				Phone Number : 315-431-4610																											
				Fax Number : 3154314280																											
				Site Details:																											
Analysis Turnaround Time				Standard : 10 business days OR				Data Package Type : NYS Equib																							
Rush (Specify): Days				EDD Type : Equib 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																	
Offsite PDC Effluent	4/24/21	0739	1124	30	9.5	60	60	-30	-7.5	10517	10323	6 L	25	VL036630.D	X				X												
Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>53</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>53</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	53			Stop	53			GC/MS Analyst Signature (TO-15) 									
	Ambient	Maximum	Minimum																												
Start	53																														
Stop	53																														
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>29.92</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>29.92</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	29.92			Stop	29.92			** Submittal of this COC indicates approval of the analysis based on existing condition Please follow the instructions on the back of this CO									
	Ambient	Maximum	Minimum																												
Start	29.92																														
Stop	29.92																														
Special Instructions/QC Requirements & Comments :																															
Suspected Contamination: High Medium <u>Low</u> PID Readings:																															
Sampling site (State):																															
Quick Connector required : <u>NO</u>																															
Canisters Shipped by: <u>SC</u>					Date/Time: <u>4/6/21</u>					Canisters Received by: <u>CP</u>					Date/Time: <u>11:00 4-23-21</u>																
Samples Relinquished by: <u>BA</u>					Date/Time: <u>4-21-21/1200</u>					Received by:					Date/Time:																
Relinquished by:					Date/Time:					Received by:					Date/Time:																

B2103104 - 6

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
3. **GETTING YOUR SHIPMENT TO UPS**
Customers with a Daily Pickup
Your driver will pickup your shipment(s) as usual.

Customers without a Daily Pickup

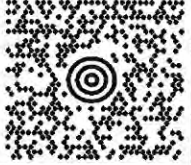
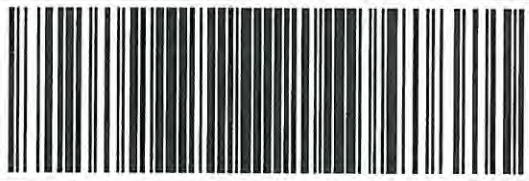
Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
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FOLD HERE

DAWN LAWLER 3155656563 EA ENGINEERING 269 W. JEFFERSON STREET SYRACUSE NY 13202		10 LBS	2 OF 5
		DWT: 19,19,10	
SHIP TO: CHEMTECH CONSULTING GROUP 284 SHEFFIELD STREET MOUNTAINSIDE NJ 07092-2319			
	NJ 078 9-61 		
UPS GROUND			
TRACKING #: 1Z F02 748 P2 9881 3866			
			
BILLING: P/P ATTENTION UPS DRIVER: SHIPPER RELEASE			
Department Code: 2152 Project Phase AND Task: 1602518/0004/**** CS 22.0.13 WNTNV50.45.0A 04/2021*			

cf- 4-23-21 11:00

M2172

UPS CampussShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**

Customers with a Daily Pickup
Your driver will pickup your shipment(s) as usual.

Customers without a Daily Pickup

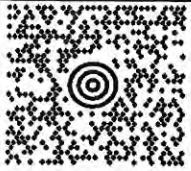
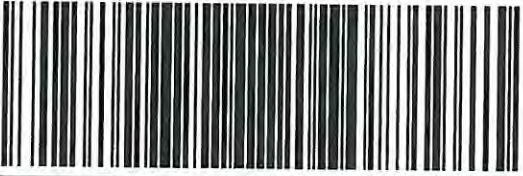
Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampussShip and select UPS Locations.
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DAWN LAWLER 3155656563 EA ENGINEERING 269 W. JEFFERSON STREET SYRACUSE NY 13202		10 LBS DWT: 19,19,10	1 OF 5
SHIP TO: CHEMTECH CONSULTING GROUP 284 SHEFFIELD STREET MOUNTAINSIDE NJ 07092-2319			
	NJ 078 9-61 		
UPS GROUND TRACKING #: 1Z F02 748 P2 9609 3451			
BILLING: P/P ATTENTION UPS DRIVER: SHIPPER RELEASE			
Department Code: 2152 Project Phase AND Task: 1602518/0004/**** CS 22.0.13. WNTNV50 45.0A 04/2021*			

cf 4-23-21 11:00

M2172

4/16/2021

UPS CampusShip | UPS - United States

UPS CampusShip: View/Print Label

1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
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Customers without a Daily Pickup

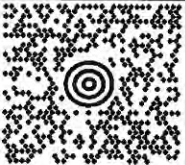
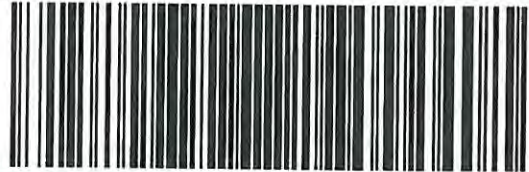
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DAWN LAWLER 3155656563 EA ENGINEERING 269 W. JEFFERSON STREET SYRACUSE NY 13202		10 LBS	5 OF 5
SHIP TO: CHEMTECH CONSULTING GROUP 284 SHEFFIELD STREET MOUNTAINSIDE NJ 07092-2319		DWT: 19,19,10	
	NJ 078 9-61 		
UPS GROUND TRACKING #: 1Z F02 748 P2 9684 4292			
			
BILLING: P/P ATTENTION UPS DRIVER: SHIPPER RELEASE			
Department Code: 2152 Project Phase AND Task: 1602518/0004/**** CS 22.0.13 WNT NV50 45.0A 04/2021*			

CR 4-23-21 11:00

M2172

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Your driver will pickup your shipment(s) as usual.

Customers without a Daily Pickup

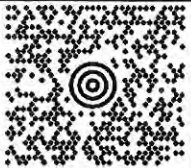
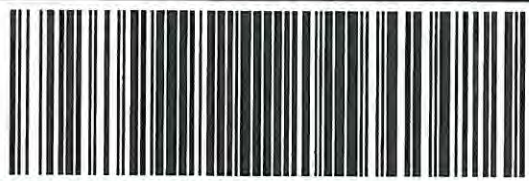
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DAWN LAWLER 3155656563 EA ENGINEERING 269 W. JEFFERSON STREET SYRACUSE NY 13202		10 LBS DWT: 19,19,10	4 OF 5
SHIP TO: CHEMTECH CONSULTING GROUP 284 SHEFFIELD STREET MOUNTAINSIDE NJ 07092-2319			
	NJ 078 9-61 		
UPS GROUND			
TRACKING #: 1Z F02 748 P2 9792 5283			
			
BILLING: P/P ATTENTION UPS DRIVER: SHIPPER RELEASE			
Department Code: 2152 Project Phase AND Task: 1602518/0004/**** CS 22.0.13 WNT NV50 45.0A 04/2021*			

cf- 4-23-21 11:00
M2172

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2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

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Customers without a Daily Pickup

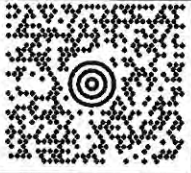
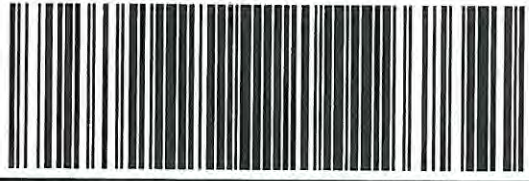
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DAWN LAWLER 3155656563 EA ENGINEERING 269 W. JEFFERSON STREET SYRACUSE NY 13202		10 LBS DWT: 19,19,10	3 OF 5
SHIP TO: CHEMTECH CONSULTING GROUP 284 SHEFFIELD STREET MOUNTAINSIDE NJ 07092-2319			
	NJ 078 9-61 		
UPS GROUND TRACKING #: 1Z F02 748 P2 9951 6471			
			
BILLING: P/P ATTENTION UPS DRIVER: SHIPPER RELEASE			
Department Code: 2152 Project Phase AND Task: 1602518/0004/**** CS 22.0.13 WNTNV50 45.0A 04/2021*			

che 4-23-21 11:00

M2172

Laboratory Certification

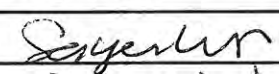
Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255420
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-18-00132
Texas	T104704488-20-13

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: <u>Chemtech</u>		Location: <u>284 Sheffield Street, Mountainside, NJ 7092</u>	
<u>NYDEC</u>		Title: <u>Sample Custodian</u>	
Field Sample Seal No.: <u>M2172</u>		Date Broken: <u>4/23/2021</u>	Military Time Seal Broken: <u>11:00:00</u>
Case No.: <u>NYSDCE - National Heatse</u>		Analytical Parameter/Fraction: <u>TO-15</u>	

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
M2172-01	SVE-INFLUENT		
M2172-02	OFFSITE-DDC-INTERMEDIATE-2		
M2172-03	DDC-2-INFLUENT-2		
M2172-04	OFFSITE-DDC-INTERMEDIATE-1		
M2172-05	DDC-2-EFFLUENT		
M2172-06	DDC-2-INFLUENT-1		
M2172-07	SVE-EFFLUENT		
M2172-08	OFFSITE-DDC-INFLUENT		
M2172-09	OFFSITE-DDC-EFFLUENT		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
4/23/21	1350	Signature 	Signature 	
		Printed Name <u>George Negrin</u>	Printed Name <u>Samantha Yarkin</u>	
		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

AIR SAMPLE PRESSURE & DILUTION LOGBOOKAnalyst Signature: *[Signature]*Supervisor Signature: *[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
03/19/21	M1987-01	10329	13.8	-1.8				sy
	M1987-02	10268	12.2	-5.1				↓
	M1987-03	10300	14.1	-1.2				↓
04/09/21	M1981-02	10129	1.0		10.0		10x	sy
04/12/21	M2018-01	10794	10.4	-8.8				sy
	M2018-02	10716	10.0	-9.6				sy
	M2018-03	10662	11.4	-6.7				sy
	M2018-04	10653	10.0	-9.6				sy
	M2018-05	10462	10.0	-9.6				sy
04/19/21	M2096-01	10596	13.4	-2.7				sy
	M2096-02	10311	12.4	-4.7				↓
	M2096-03	10266	13.4	-2.7				↓
	M2096-04	10604	12.8	-3.9				↓
	M2096-05	10153	12.6	-4.3				↓
04/23/21	M2172-01	10448	13.0	-3.5				sy
	M2172-02	10280	11.4	-6.7				↓
	M2172-03	10258	10.4	-8.8				↓
	M2172-04	10158	11.6	-6.3				↓
	M2172-05	10602	12.8	-3.9				↓
	M2172-06	10283	10.6	-8.4				↓
	M2172-07	10443	12.0	-5.5				↓

Analyst Signature:

Supervisor Signature: Sey

METHOD: TO-15

Pressure Gauge ID: A2-55971

[illegible]

10280
7-9

752

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #: OFFITE DDC Intermediate #2

Client Name: EA Engineering

Project Name: National Heatset

Date: 4/20/2021 Time: 0741

Analysis: TO-15

Comments: _____

CHEMTECH'S SAMPLE

Date Received: _____

Storage Location: Air Lab
Sample: M2172-02
Cust #: OFFITE-DDC-INTERMEDIATE-2

B2103104

10280
8-8

752

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #: DDC 2 Influent #2

Client Name: EA Engineering

Project Name: National Heatset

Date: 4/20/2021 Time: 0812

Analysis: TO-15

Comments: _____

CHEMTECH'S SAMPLE

Date Received: _____

Storage Location: Air Lab
Sample: M2172-03
Cust #: DDC-2-INFLUENT-2

B2103104

3415

7015

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: 4/20/2021 Time: 0825

Analysis: TO-15

Comments: _____

CHEMTECH'S SAMPLE

Date Received: _____

Storage Location: Air Lab
Sample: M2172-01
Cust #: SVE-INFLUENT

B2103104

10283

8.4

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

CHEMTECH

Client Sample ID #: DDC-2 Influent #1
Client Name: EA Engineering
Project Name: Natural Hentst
Date: 4/20/2021 Time: 0816
Analysis: TD-15
Comments: _____
CHEMTECH'S SAMPLE
Date Received: _____

B2103104

10602

3.9

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

CHEMTECH

Client Sample ID #: DDC-2 Effluent
Client Name: EA Engineering
Project Name: Natural Hentst
Date: 4/20/2021 Time: 0813
Analysis: TD-15
Comments: _____
CHEMTECH'S SAMPLE
Date Received: _____

B2103104

63

95101

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

CHEMTECH

Client Sample ID #: Offsite Intermediate DDC Intermediate #1
Client Name: EA Engineering
Project Name: Natural Hentst
Date: 4/20/2021 Time: 0744
Analysis: TD-15
Comments: _____
CHEMTECH'S SAMPLE
Date Received: _____

Storage Location: Air Lab
Sample: M2172-04
Cust #: OFFITE-DDC-INTERMEDIATE-1

10130129

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #:	Offsite DDC Influent
Client Name:	EA Engineering
Project Name:	National Hentset
Date:	4/20/2021
Time:	0737
Analysis:	TO-15
Comments:	
CHEMTECH'S	
Date Received:	

Storage Location: Air Lab
Sample: M2172-08
Cust #: OFFSITE-DDC-INFLUENT

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #:	SE01 SVE Effluent
Client Name:	EA Engineering
Project Name:	National Hentset
Date:	4/20/2021
Time:	0824
Analysis:	TO-15
Comments:	
CHEMTECH'S SAMPLE	
Date Received:	

Storage Location: Air Lab
Sample: M2172-07
Cust #: SVE-EFFLUENT

B2103104

Client Sample ID #:	Offsite DDC Effluent
Client Name:	EA Engineering
Project Name:	National Hentset
Date:	4/20/2021
Time:	0739
Analysis:	TO-15
Comments:	
CHEMTECH'S SAM	
Date Received:	

Storage Location: Air Lab
Sample: M2172-09
Cust #: OFFSITE-DDC-EFFLUENT

B2103104

Attachment C

Laboratory Analytical Data – Groundwater Samples

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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 : M2137

ATTENTION : Emily Cummings



Table Of Contents for M2137

1) Signature Page	3
2) Case Narrative	7
2.1) VOC-TCLVOA-10- Case Narrative	7
3) Qualifier Page	9
4) QA Checklist	10
5) VOC-TCLVOA-10 Data	11
6) Shipping Document	164
6.1) CHAIN OF CUSTODY	165
6.2) Air Bill	168
6.3) Lab Certificate	169
6.4) Internal COC	170

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-1

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 #)
152140-MW-3S(OFFSIT E)	M2137-01	8260-Low					
152140-DDC-6-PS	M2137-02	8260-Low					
152140-DDC-6-PD	M2137-03	8260-Low					
152140-MW-3D(OFFSIT E)	M2137-04	8260-Low					
152140-DDC-5-PS	M2137-05	8260-Low					
152140-DDC-5-PD	M2137-06	8260-Low					
152140-DDC-10-PD	M2137-07	8260-Low					
152140-MW-2S(OFFSIT E)	M2137-08	8260-Low					
152140-DDC-10-PS	M2137-09	8260-Low					
152140-MW-2D(OFFSIT E)	M2137-10	8260-Low					
152140-DDC-8-PD	M2137-11	8260-Low					
152140-DDC-8-PS	M2137-12	8260-Low					
152140-DDC-7-PS	M2137-13	8260-Low					
152140-DDC-9-PD	M2137-14	8260-Low					
152140-DDC-7-PD	M2137-15	8260-Low					
152140-DDC-9-PS	M2137-16	8260-Low					
152140-MW-1S(OFFSIT E)	M2137-17	8260-Low					
152140-MW-3S(ONSITE)	M2137-20	8260-Low					
152140-MW-1D(OFFSIT E)	M2137-21	8260-Low					
152140-MW-6S	M2137-22	8260-Low					
152140-RB-041921	M2137-23	8260-Low					
TB	M2137-24	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
M2137-01	Water	04/19/21	04/22/21		04/29/21
M2137-02	Water	04/19/21	04/22/21		04/29/21
M2137-03	Water	04/19/21	04/22/21		04/29/21
M2137-04	Water	04/19/21	04/22/21		04/29/21
M2137-05	Water	04/19/21	04/22/21		04/29/21
M2137-06	Water	04/19/21	04/22/21		04/29/21
M2137-07	Water	04/19/21	04/22/21		04/29/21
M2137-08	Water	04/19/21	04/22/21		04/29/21
M2137-09	Water	04/19/21	04/22/21		04/29/21
M2137-10	Water	04/19/21	04/22/21		04/29/21
M2137-11	Water	04/19/21	04/22/21		04/29/21
M2137-12	Water	04/19/21	04/22/21		04/29/21
M2137-13	Water	04/19/21	04/22/21		04/29/21
M2137-14	Water	04/19/21	04/22/21		04/29/21
M2137-15	Water	04/19/21	04/22/21		04/30/21
M2137-16	Water	04/19/21	04/22/21		04/30/21
M2137-17	Water	04/19/21	04/22/21		04/30/21
M2137-20	Water	04/19/21	04/22/21		04/30/21
M2137-21	Water	04/19/21	04/22/21		04/30/21
M2137-22	Water	04/19/21	04/22/21		04/30/21
M2137-23	Water	04/19/21	04/22/21		04/30/21
M2137-24	Water	04/07/21	04/22/21		04/30/21

* Details For Test : VOC-TCLVOA-10

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
M2137-01	Water	8260-Low	5030		
M2137-02	Water	8260-Low	5030		
M2137-03	Water	8260-Low	5030		
M2137-04	Water	8260-Low	5030		
M2137-05	Water	8260-Low	5030		
M2137-06	Water	8260-Low	5030		
M2137-07	Water	8260-Low	5030		
M2137-08	Water	8260-Low	5030		
M2137-09	Water	8260-Low	5030		
M2137-10	Water	8260-Low	5030		
M2137-11	Water	8260-Low	5030		
M2137-12	Water	8260-Low	5030		
M2137-13	Water	8260-Low	5030		
M2137-14	Water	8260-Low	5030		
M2137-15	Water	8260-Low	5030		
M2137-16	Water	8260-Low	5030		
M2137-17	Water	8260-Low	5030		
M2137-18	Water	8260-Low	5030		
M2137-19	Water	8260-Low	5030		
M2137-20	Water	8260-Low	5030		
M2137-21	Water	8260-Low	5030		
M2137-22	Water	8260-Low	5030		
M2137-23	Water	8260-Low	5030		
M2137-24	Water	8260-Low	5030		

Cover Page

Order ID : M2137**Project ID :** NYSDEC - National Heatset**Client :** EA Engineering Science & Technology**Lab Sample Number****Client Sample Number**

M2137-01	152140-MW-3S(OFFSITE)
M2137-02	152140-DDC-6-PS
M2137-03	152140-DDC-6-PD
M2137-04	152140-MW-3D(OFFSITE)
M2137-05	152140-DDC-5-PS
M2137-06	152140-DDC-5-PD
M2137-07	152140-DDC-10-PD
M2137-08	152140-MW-2S(OFFSITE)
M2137-09	152140-DDC-10-PS
M2137-10	152140-MW-2D(OFFSITE)
M2137-11	152140-DDC-8-PD
M2137-12	152140-DDC-8-PS
M2137-13	152140-DDC-7-PS
M2137-14	152140-DDC-9-PD
M2137-15	152140-DDC-7-PD
M2137-16	152140-DDC-9-PS
M2137-17	152140-MW-1S(OFFSITE)
M2137-18	152140-MW-1S(OFFSITE)MS
M2137-19	152140-MW-1S(OFFSITE)MSD
M2137-20	152140-MW-3S(ONSITE)
M2137-21	152140-MW-1D(OFFSITE)
M2137-22	152140-MW-6S
M2137-23	152140-RB-041921
M2137-24	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 : _____

Date: 5/5/2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

EA Engineering Science & Technology

Project Name: NYSDEC - National Heatset

Project # N/A

Chemtech Project # M2137

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

24 Water samples were received on 04/22/2021.

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 receive out of holding time.

The Surrogate recoveries met the acceptable criteria except for 152140-DDC-5-PS [4-Bromofluorobenzene - 72%], 152140-DDC-5-PSRE [4-Bromofluorobenzene - 74%], 152140-DDC-7-PS [4-Bromofluorobenzene - 68%] and 152140-DDC-7-PSRE [4-Bromofluorobenzene - 76%]. All the failure samples in surrogates were reanalyzed to confirm the results as per method and reported in the data.

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 recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The % RSD is greater than 20% in the Initial Calibration method (82N042721W.M) for Methyl Acetate, 2-Hexanone, Styrene these compounds are passing on Linear regression.

The Continuous Calibration File ID VN066879.D met the requirements except for Bromoform and Dibromochloromethane are failing high but no positive hit in any associate samples, therefore no corrective action taken.

The Continuous Calibration File ID VN066903.D met the requirements except for 1,2,4-Trichlorobenzene is failing high but no positive hit in any associate samples and Methyl Acetate is failing marginally low, therefore no corrective action taken.

The Tuning criteria met requirements.

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 <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_____

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 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 #: M2137

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: SOHIL JODHANI

Date: 05/05/2021

2nd Level QA Review Signature: _____

Date: _____



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID: M2137
Client: EA Engineering Science & Technology
Contact: Emily Cummings

OrderDate: 4/22/2021 10:46:00 AM
Project: NYSDEC - National Heatset
Location: VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M2137-01	152140-MW-3S(OFFS ITE)	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-02	152140-DDC-6-PS	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-03	152140-DDC-6-PD	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-04	152140-MW-3D(OFF SITE)	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-05	152140-DDC-5-PS	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-05RE	152140-DDC-5-PSRE	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-06	152140-DDC-5-PD	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-07	152140-DDC-10-PD	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-08	152140-MW-2S(OFFS ITE)	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-09	152140-DDC-10-PS	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21
M2137-10	152140-MW-2D(OFF SITE)	Water	VOC-TCLVOA-10	8260-Low	04/19/21		04/29/21	04/22/21

LAB CHRONICLE

M2137-11	152140-DDC-8-PD	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/29/21	04/22/21
M2137-12	152140-DDC-8-PS	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/29/21	04/22/21
M2137-13	152140-DDC-7-PS	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/29/21	04/22/21
M2137-13RE	152140-DDC-7-PSRE	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/29/21	04/22/21
M2137-14	152140-DDC-9-PD	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/29/21	04/22/21
M2137-15	152140-DDC-7-PD	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/30/21	04/22/21
M2137-16	152140-DDC-9-PS	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/30/21	04/22/21
M2137-17	152140-MW-1S(OFFS ITE)	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/30/21	04/22/21
M2137-20	152140-MW-3S(ONSI TE)	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/30/21	04/22/21
M2137-21	152140-MW-1D(OFF SITE)	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/30/21	04/22/21
M2137-22	152140-MW-6S	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/30/21	04/22/21
M2137-23	152140-RB-041921	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/30/21	04/22/21
M2137-24	TB	Water	VOC-TCLVOA-10	8260-Low	04/07/21	04/30/21	04/22/21

Hit Summary Sheet

SW-846

SDG No.: M2137

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	152140-MW-3S(OFFSITE)							
M2137-01	152140-MW-3S(OFFSITE)	Water	Toluene	0.42	J	0.22	1.00	ug/L
			Total Voc :	0.42				
			Total Concentration:	0.42				
Client ID:	152140-DDC-6-PS							
M2137-02	152140-DDC-6-PS	Water	cis-1,2-Dichloroethene	5.00		0.22	1.00	ug/L
			Total Voc :	5				
			Total Concentration:	5				
Client ID:	152140-DDC-6-PD							
M2137-03	152140-DDC-6-PD	Water	cis-1,2-Dichloroethene	4.20		0.22	1.00	ug/L
			Total Voc :	4.2				
			Total Concentration:	4.2				
Client ID:	152140-MW-3D(OFFSITE)							
M2137-04	152140-MW-3D(OFFSITE)	Water	cis-1,2-Dichloroethene	13.60		0.22	1.00	ug/L
M2137-04	152140-MW-3D(OFFSITE)	Water	Trichloroethene	3.90		0.17	1.00	ug/L
M2137-04	152140-MW-3D(OFFSITE)	Water	Tetrachloroethene	7.70		0.17	1.00	ug/L
			Total Voc :	25.2				
			Total Concentration:	25.2				
Client ID:	152140-DDC-5-PS							
M2137-05	152140-DDC-5-PS	Water	cis-1,2-Dichloroethene	4.30		0.22	1.00	ug/L
M2137-05	152140-DDC-5-PS	Water	Tetrachloroethene	1.40		0.17	1.00	ug/L
			Total Voc :	5.7				
			Total Concentration:	5.7				
Client ID:	152140-DDC-5-PSRE							
M2137-05RE	152140-DDC-5-PSRE	Water	cis-1,2-Dichloroethene	3.40		0.22	1.00	ug/L
M2137-05RE	152140-DDC-5-PSRE	Water	Tetrachloroethene	1.10		0.17	1.00	ug/L
			Total Voc :	4.5				
			Total Concentration:	4.5				
Client ID:	152140-DDC-5-PD							
M2137-06	152140-DDC-5-PD	Water	cis-1,2-Dichloroethene	3.20		0.22	1.00	ug/L
M2137-06	152140-DDC-5-PD	Water	Tetrachloroethene	1.00		0.17	1.00	ug/L
			Total Voc :	4.2				
			Total Concentration:	4.2				
Client ID:	152140-MW-2S(OFFSITE)							
M2137-08	152140-MW-2S(OFFSITE)	Water	cis-1,2-Dichloroethene	1.60		0.22	1.00	ug/L
			Total Voc :	1.6				
			Total Concentration:	1.6				
Client ID:	152140-DDC-10-PS							
M2137-09	152140-DDC-10-PS	Water	cis-1,2-Dichloroethene	2.90		0.22	1.00	ug/L
			Total Voc :	2.9				
			Total Concentration:	2.9				
Client ID:	152140-MW-2D(OFFSITE)							

Hit Summary Sheet SW-846

SDG No.: M2137
Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2137-10	152140-MW-2D(OFFSIT	Water	cis-1,2-Dichloroethene	3.00		0.22	1.00	ug/L
			Total Voc :	3				
			Total Concentration:	3				
Client ID:	152140-DDC-8-PD							
M2137-11	152140-DDC-8-PD	Water	cis-1,2-Dichloroethene	3.00		0.22	1.00	ug/L
			Total Voc :	3				
			Total Concentration:	3				
Client ID:	152140-DDC-8-PS							
M2137-12	152140-DDC-8-PS	Water	cis-1,2-Dichloroethene	3.30		0.22	1.00	ug/L
M2137-12	152140-DDC-8-PS	Water	Chloroform	0.29	J	0.27	1.00	ug/L
			Total Voc :	3.59				
			Total Concentration:	3.59				
Client ID:	152140-DDC-7-PS							
M2137-13	152140-DDC-7-PS	Water	Acetone	2.60	J	1.60	5.00	ug/L
M2137-13	152140-DDC-7-PS	Water	cis-1,2-Dichloroethene	4.00		0.22	1.00	ug/L
			Total Voc :	6.6				
			Total Concentration:	6.6				
Client ID:	152140-DDC-7-PSRE							
M2137-13RE	152140-DDC-7-PSRE	Water	cis-1,2-Dichloroethene	3.70		0.22	1.00	ug/L
			Total Voc :	3.7				
			Total Concentration:	3.7				
Client ID:	152140-DDC-7-PD							
M2137-15	152140-DDC-7-PD	Water	cis-1,2-Dichloroethene	1.70		0.22	1.00	ug/L
			Total Voc :	1.7				
			Total Concentration:	1.7				
Client ID:	152140-DDC-9-PS							
M2137-16	152140-DDC-9-PS	Water	cis-1,2-Dichloroethene	3.00		0.22	1.00	ug/L
			Total Voc :	3				
			Total Concentration:	3				
Client ID:	152140-MW-3S(ONSITE)							
M2137-20	152140-MW-3S(ONSITE	Water	Trichloroethene	0.29	J	0.17	1.00	ug/L
M2137-20	152140-MW-3S(ONSITE	Water	Tetrachloroethene	1.10		0.17	1.00	ug/L
			Total Voc :	1.39				
			Total Concentration:	1.39				
Client ID:	152140-MW-1D(OFFSITE)							
M2137-21	152140-MW-1D(OFFSIT	Water	Acetone	2.60	J	1.60	5.00	ug/L
M2137-21	152140-MW-1D(OFFSIT	Water	cis-1,2-Dichloroethene	17.60		0.22	1.00	ug/L
M2137-21	152140-MW-1D(OFFSIT	Water	Chloroform	0.28	J	0.27	1.00	ug/L
M2137-21	152140-MW-1D(OFFSIT	Water	Trichloroethene	6.00		0.17	1.00	ug/L
M2137-21	152140-MW-1D(OFFSIT	Water	Tetrachloroethene	18.90		0.17	1.00	ug/L
			Total Voc :	45.38				

Hit Summary Sheet
SW-846

SDG No.: M2137
Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				45.38				
Client ID: 152140-MW-6S	152140-MW-6S	Water	Tetrachloroethene	0.62	J	0.17	1.00	ug/L
M2137-22			Total Voc :	0.62				
			Total Concentration:	0.62				

SAMPLE DATA

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-3S(OFFSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-01		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
VN066866.D	1		04/29/21 16:51	VN042921

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	0.42	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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-3S(OFFSITE)	SDG No.:	M2137
Lab Sample ID:	M2137-01	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
VN066866.D	1		04/29/21 16:51	VN042921

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	45.3		78 - 117	91%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	52.1		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.3		83 - 123	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.594			
540-36-3	1,4-Difluorobenzene	460000	8.519			
3114-55-4	Chlorobenzene-d5	393000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-3S(OFFSITE)		SDG No.:	M2137
Lab Sample ID:	M2137-01		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
VN066866.D	1		04/29/21 16:51	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-6-PS		SDG No.:	M2137	
Lab Sample ID:	M2137-02		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
VN066833.D	1		04/29/21 00:29	VN042821

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	5.00		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-6-PS	SDG No.:	M2137
Lab Sample ID:	M2137-02	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
VN066833.D	1		04/29/21 00:29	VN042821

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	42.1		78 - 117	84%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.4		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.1		83 - 123	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	316000	7.591			
540-36-3	1,4-Difluorobenzene	478000	8.519			
3114-55-4	Chlorobenzene-d5	418000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	167000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-6-PS		SDG No.:	M2137
Lab Sample ID:	M2137-02		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
VN066833.D	1		04/29/21 00:29	VN042821

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-6-PD		SDG No.:	M2137	
Lab Sample ID:	M2137-03		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
VN066867.D	1		04/29/21 17:15	VN042921

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	4.20		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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-6-PD		SDG No.:	M2137	
Lab Sample ID:	M2137-03		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
VN066867.D	1		04/29/21 17:15	VN042921

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	57.2		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	53.8		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		83 - 123	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	296000	7.591			
540-36-3	1,4-Difluorobenzene	444000	8.519			
3114-55-4	Chlorobenzene-d5	399000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-6-PD		SDG No.:	M2137
Lab Sample ID:	M2137-03		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
VN066867.D	1		04/29/21 17:15	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-3D(OFFSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-04		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
VN066868.D	1		04/29/21 17:39	VN042921

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	13.6		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-3D(OFFSITE)	SDG No.:	M2137
Lab Sample ID:	M2137-04	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
VN066868.D	1		04/29/21 17:39	VN042921

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	7.70		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	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	57.9		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		83 - 123	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	297000	7.591			
540-36-3	1,4-Difluorobenzene	443000	8.519			
3114-55-4	Chlorobenzene-d5	381000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-3D(OFFSITE)		SDG No.:	M2137
Lab Sample ID:	M2137-04		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
VN066868.D	1		04/29/21 17:39	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-5-PS		SDG No.:	M2137	
Lab Sample ID:	M2137-05		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
VN066836.D	1		04/29/21 01:41	VN042821

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	4.30		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-5-PS	SDG No.:	M2137
Lab Sample ID:	M2137-05	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
VN066836.D	1		04/29/21 01:41	VN042821

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	42.9		78 - 117	86%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	49.4		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.0	*	83 - 123	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	309000	7.591			
540-36-3	1,4-Difluorobenzene	467000	8.519			
3114-55-4	Chlorobenzene-d5	406000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-5-PS		SDG No.:	M2137
Lab Sample ID:	M2137-05		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
VN066836.D	1		04/29/21 01:41	VN042821

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-5-PSRE		SDG No.:	M2137	
Lab Sample ID:	M2137-05RE		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
VN066869.D	1		04/29/21 18:03	VN042921

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	3.40		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-5-PSRE	SDG No.:	M2137
Lab Sample ID:	M2137-05RE	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
VN066869.D	1		04/29/21 18:03	VN042921

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	44.9		78 - 117	90%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		75 - 124	111%	SPK: 50
2037-26-5	Toluene-d8	51.6		92 - 112	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.2	*	83 - 123	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	345000	7.594			
540-36-3	1,4-Difluorobenzene	526000	8.519			
3114-55-4	Chlorobenzene-d5	448000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-5-PSRE		SDG No.:	M2137
Lab Sample ID:	M2137-05RE		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
VN066869.D	1		04/29/21 18:03	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-5-PD		SDG No.:	M2137	
Lab Sample ID:	M2137-06		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
VN066870.D	1		04/29/21 18:27	VN042921

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	3.20		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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-5-PD		SDG No.:	M2137	
Lab Sample ID:	M2137-06		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
VN066870.D	1		04/29/21 18:27	VN042921

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		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	46.0		78 - 117	92%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	52.2		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		83 - 123	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	371000	7.591			
540-36-3	1,4-Difluorobenzene	567000	8.519			
3114-55-4	Chlorobenzene-d5	489000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-5-PD		SDG No.:	M2137
Lab Sample ID:	M2137-06		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
VN066870.D	1		04/29/21 18:27	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-10-PD		SDG No.:	M2137	
Lab Sample ID:	M2137-07		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
VN066838.D	1		04/29/21 02:30	VN042821

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-10-PD		SDG No.:	M2137	
Lab Sample ID:	M2137-07		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
VN066838.D	1		04/29/21 02:30	VN042821

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	42.7		78 - 117	85%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.7		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		83 - 123	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	306000	7.594			
540-36-3	1,4-Difluorobenzene	467000	8.522			
3114-55-4	Chlorobenzene-d5	412000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-10-PD		SDG No.:	M2137
Lab Sample ID:	M2137-07		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
VN066838.D	1		04/29/21 02:30	VN042821

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-2S(OFFSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-08		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
VN066871.D	1		04/29/21 18:51	VN042921

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	1.60		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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-2S(OFFSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-08		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
VN066871.D	1		04/29/21 18:51	VN042921

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	46.7		78 - 117	93%	SPK: 50
1868-53-7	Dibromofluoromethane	57.5		75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		83 - 123	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	305000	7.591			
540-36-3	1,4-Difluorobenzene	465000	8.522			
3114-55-4	Chlorobenzene-d5	406000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-2S(OFFSITE)		SDG No.:	M2137
Lab Sample ID:	M2137-08		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
VN066871.D	1		04/29/21 18:51	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-10-PS		SDG No.:	M2137	
Lab Sample ID:	M2137-09		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
VN066872.D	1		04/29/21 19:15	VN042921

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	2.90		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	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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-10-PS		SDG No.:	M2137	
Lab Sample ID:	M2137-09		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
VN066872.D	1		04/29/21 19:15	VN042921

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	58.3		75 - 124	117%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		83 - 123	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.591			
540-36-3	1,4-Difluorobenzene	447000	8.519			
3114-55-4	Chlorobenzene-d5	393000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-10-PS		SDG No.:	M2137
Lab Sample ID:	M2137-09		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
VN066872.D	1		04/29/21 19:15	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-2D(OFFSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-10		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
VN066873.D	1		04/29/21 19:40	VN042921

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	3.00		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2D(OFFSITE)	SDG No.:	M2137
Lab Sample ID:	M2137-10	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
VN066873.D	1		04/29/21 19:40	VN042921

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	57.2		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		83 - 123	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.591			
540-36-3	1,4-Difluorobenzene	456000	8.522			
3114-55-4	Chlorobenzene-d5	398000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-2D(OFFSITE)		SDG No.:	M2137
Lab Sample ID:	M2137-10		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
VN066873.D	1		04/29/21 19:40	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-8-PD		SDG No.:	M2137	
Lab Sample ID:	M2137-11		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
VN066842.D	1		04/29/21 04:06	VN042821

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	3.00		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-8-PD	SDG No.:	M2137
Lab Sample ID:	M2137-11	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
VN066842.D	1		04/29/21 04:06	VN042821

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	42.1		78 - 117	84%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.4		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		83 - 123	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	333000	7.591			
540-36-3	1,4-Difluorobenzene	503000	8.519			
3114-55-4	Chlorobenzene-d5	437000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-8-PD		SDG No.:	M2137
Lab Sample ID:	M2137-11		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
VN066842.D	1		04/29/21 04:06	VN042821

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-8-PS		SDG No.:	M2137	
Lab Sample ID:	M2137-12		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
VN066874.D	1		04/29/21 20:04	VN042921

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	3.30		0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.29	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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-8-PS	SDG No.:	M2137
Lab Sample ID:	M2137-12	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
VN066874.D	1		04/29/21 20:04	VN042921

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	46.1		78 - 117	92%	SPK: 50
1868-53-7	Dibromofluoromethane	57.8		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		83 - 123	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	303000	7.591			
540-36-3	1,4-Difluorobenzene	457000	8.519			
3114-55-4	Chlorobenzene-d5	405000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-8-PS		SDG No.:	M2137
Lab Sample ID:	M2137-12		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
VN066874.D	1		04/29/21 20:04	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-7-PS		SDG No.:	M2137	
Lab Sample ID:	M2137-13		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
VN066844.D	1		04/29/21 04:53	VN042821

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	2.60	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	4.00		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-7-PS	SDG No.:	M2137
Lab Sample ID:	M2137-13	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
VN066844.D	1		04/29/21 04:53	VN042821

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	43.1		78 - 117	86%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	50.1		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.2	*	83 - 123	68%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	296000	7.594			
540-36-3	1,4-Difluorobenzene	446000	8.519			
3114-55-4	Chlorobenzene-d5	386000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-7-PS		SDG No.:	M2137
Lab Sample ID:	M2137-13		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
VN066844.D	1		04/29/21 04:53	VN042821

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-7-PSRE		SDG No.:	M2137	
Lab Sample ID:	M2137-13RE		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
VN066875.D	1		04/29/21 20:28	VN042921

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	3.70		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-7-PSRE	SDG No.:	M2137
Lab Sample ID:	M2137-13RE	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
VN066875.D	1		04/29/21 20:28	VN042921

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	58.4		75 - 124	117%	SPK: 50
2037-26-5	Toluene-d8	53.7		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.2	*	83 - 123	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	305000	7.591			
540-36-3	1,4-Difluorobenzene	460000	8.522			
3114-55-4	Chlorobenzene-d5	391000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-7-PSRE		SDG No.:	M2137
Lab Sample ID:	M2137-13RE		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
VN066875.D	1		04/29/21 20:28	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-9-PD		SDG No.:	M2137	
Lab Sample ID:	M2137-14		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
VN066876.D	1		04/29/21 20:52	VN042921

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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-9-PD	SDG No.:	M2137
Lab Sample ID:	M2137-14	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
VN066876.D	1		04/29/21 20:52	VN042921

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	46.2		78 - 117	92%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	52.4		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		83 - 123	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	357000	7.591			
540-36-3	1,4-Difluorobenzene	546000	8.522			
3114-55-4	Chlorobenzene-d5	454000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-9-PD		SDG No.:	M2137
Lab Sample ID:	M2137-14		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
VN066876.D	1		04/29/21 20:52	VN042921

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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-7-PD	SDG No.:	M2137
Lab Sample ID:	M2137-15	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
VN066884.D	1		04/30/21 00:52	VN042921

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	1.70		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-7-PD	SDG No.:	M2137
Lab Sample ID:	M2137-15	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
VN066884.D	1		04/30/21 00:52	VN042921

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	45.7		78 - 117	91%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		83 - 123	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	7.591			
540-36-3	1,4-Difluorobenzene	454000	8.519			
3114-55-4	Chlorobenzene-d5	394000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-7-PD		SDG No.:	M2137
Lab Sample ID:	M2137-15		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
VN066884.D	1		04/30/21 00:52	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-9-PS		SDG No.:	M2137	
Lab Sample ID:	M2137-16		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
VN066885.D	1		04/30/21 01:17	VN042921

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	3.00		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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-9-PS	SDG No.:	M2137
Lab Sample ID:	M2137-16	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
VN066885.D	1		04/30/21 01:17	VN042921

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	45.4		78 - 117	91%	SPK: 50
1868-53-7	Dibromofluoromethane	56.7		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	52.9		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		83 - 123	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	311000	7.591			
540-36-3	1,4-Difluorobenzene	470000	8.519			
3114-55-4	Chlorobenzene-d5	405000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-9-PS		SDG No.:	M2137
Lab Sample ID:	M2137-16		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
VN066885.D	1		04/30/21 01:17	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-1S(OFFSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-17		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
VN066886.D	1		04/30/21 01:41	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-1S(OFFSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-17		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
VN066886.D	1		04/30/21 01:41	VN042921

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	46.7		78 - 117	93%	SPK: 50
1868-53-7	Dibromofluoromethane	57.8		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	54.3		92 - 112	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		83 - 123	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	296000	7.591			
540-36-3	1,4-Difluorobenzene	450000	8.519			
3114-55-4	Chlorobenzene-d5	402000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(OFFSITE)		SDG No.:	M2137
Lab Sample ID:	M2137-17		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
VN066886.D	1		04/30/21 01:41	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-3S(ONSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-20		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
VN066887.D	1		04/30/21 02:05	VN042921

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	0.29	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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-3S(ONSITE)	SDG No.:	M2137
Lab Sample ID:	M2137-20	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
VN066887.D	1		04/30/21 02:05	VN042921

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	46.2		78 - 117	92%	SPK: 50
1868-53-7	Dibromofluoromethane	57.8		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	53.7		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		83 - 123	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	324000	7.591			
540-36-3	1,4-Difluorobenzene	496000	8.519			
3114-55-4	Chlorobenzene-d5	429000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-3S(ONSITE)		SDG No.:	M2137
Lab Sample ID:	M2137-20		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
VN066887.D	1		04/30/21 02:05	VN042921

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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1D(OFFSITE)	SDG No.:	M2137
Lab Sample ID:	M2137-21	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
VN066909.D	1		04/30/21 14:54	VN043021

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	2.60	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	17.6		0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.28	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	6.00		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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-1D(OFFSITE)		SDG No.:	M2137	
Lab Sample ID:	M2137-21		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
VN066909.D	1		04/30/21 14:54	VN043021

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	18.9		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	42.4		78 - 117	85%	SPK: 50
1868-53-7	Dibromofluoromethane	55.6		75 - 124	111%	SPK: 50
2037-26-5	Toluene-d8	52.9		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		83 - 123	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	332000	7.591			
540-36-3	1,4-Difluorobenzene	486000	8.519			
3114-55-4	Chlorobenzene-d5	417000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	150000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-1D(OFFSITE)		SDG No.:	M2137
Lab Sample ID:	M2137-21		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
VN066909.D	1		04/30/21 14:54	VN043021

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-6S		SDG No.:	M2137	
Lab Sample ID:	M2137-22		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
VN066889.D	1		04/30/21 02:53	VN042921

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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-6S	SDG No.:	M2137
Lab Sample ID:	M2137-22	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
VN066889.D	1		04/30/21 02:53	VN042921

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	0.62	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	58.2		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	54.0		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		83 - 123	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	313000	7.591			
540-36-3	1,4-Difluorobenzene	474000	8.522			
3114-55-4	Chlorobenzene-d5	415000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-6S		SDG No.:	M2137
Lab Sample ID:	M2137-22		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
VN066889.D	1		04/30/21 02:53	VN042921

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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-RB-041921	SDG No.:	M2137
Lab Sample ID:	M2137-23	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
VN066890.D	1		04/30/21 03:17	VN042921

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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-RB-041921	SDG No.:	M2137
Lab Sample ID:	M2137-23	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
VN066890.D	1		04/30/21 03:17	VN042921

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	45.5		78 - 117	91%	SPK: 50
1868-53-7	Dibromofluoromethane	57.4		75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	53.0		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.3		83 - 123	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	317000	7.591			
540-36-3	1,4-Difluorobenzene	479000	8.519			
3114-55-4	Chlorobenzene-d5	415000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-RB-041921		SDG No.:	M2137
Lab Sample ID:	M2137-23		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
VN066890.D	1		04/30/21 03:17	VN042921

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:	04/07/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	TB		SDG No.:	M2137	
Lab Sample ID:	M2137-24		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
VN066910.D	1		04/30/21 15:18	VN043021

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:	04/07/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	TB	SDG No.:	M2137
Lab Sample ID:	M2137-24	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
VN066910.D	1		04/30/21 15:18	VN043021

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	43.6		78 - 117	87%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	52.2		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		83 - 123	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	311000	7.591			
540-36-3	1,4-Difluorobenzene	463000	8.519			
3114-55-4	Chlorobenzene-d5	393000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/07/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	TB		SDG No.:	M2137	
Lab Sample ID:	M2137-24		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
VN066910.D	1		04/30/21 15:18	VN043021

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.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
M2137-01	152140-MW-3S(OFFSITE)	1,2-Dichloroethane-d4	50	45.3	91	78	117
		Dibromofluoromethane	50	56.9	114	75	124
		Toluene-d8	50	52.1	104	92	112
		4-Bromofluorobenzene	50	44.3	89	83	123
M2137-02	152140-DDC-6-PS	1,2-Dichloroethane-d4	50	42.1	84	78	117
		Dibromofluoromethane	50	51.0	102	75	124
		Toluene-d8	50	49.4	99	92	112
		4-Bromofluorobenzene	50	42.1	84	83	123
M2137-03	152140-DDC-6-PD	1,2-Dichloroethane-d4	50	46.3	93	78	117
		Dibromofluoromethane	50	57.2	114	75	124
		Toluene-d8	50	53.8	108	92	112
		4-Bromofluorobenzene	50	46.1	92	83	123
M2137-04	152140-MW-3D(OFFSITE)	1,2-Dichloroethane-d4	50	46.3	93	78	117
		Dibromofluoromethane	50	57.9	116	75	124
		Toluene-d8	50	53.1	106	92	112
		4-Bromofluorobenzene	50	42.5	85	83	123
M2137-05	152140-DDC-5-PS	1,2-Dichloroethane-d4	50	42.9	86	78	117
		Dibromofluoromethane	50	52.5	105	75	124
		Toluene-d8	50	49.4	99	92	112
		4-Bromofluorobenzene	50	36.0	72 *	83	123
M2137-05RE	152140-DDC-5-PSRE	1,2-Dichloroethane-d4	50	44.9	90	78	117
		Dibromofluoromethane	50	55.3	111	75	124
		Toluene-d8	50	51.6	103	92	112
		4-Bromofluorobenzene	50	37.2	74 *	83	123
M2137-06	152140-DDC-5-PD	1,2-Dichloroethane-d4	50	46.0	92	78	117
		Dibromofluoromethane	50	56.6	113	75	124
		Toluene-d8	50	52.2	104	92	112
		4-Bromofluorobenzene	50	43.5	87	83	123
M2137-07	152140-DDC-10-PD	1,2-Dichloroethane-d4	50	42.7	85	78	117
		Dibromofluoromethane	50	52.2	104	75	124
		Toluene-d8	50	49.7	99	92	112
		4-Bromofluorobenzene	50	42.8	86	83	123
M2137-08	152140-MW-2S(OFFSITE)	1,2-Dichloroethane-d4	50	46.7	93	78	117
		Dibromofluoromethane	50	57.5	115	75	124
		Toluene-d8	50	53.3	107	92	112
		4-Bromofluorobenzene	50	43.4	87	83	123
M2137-09	152140-DDC-10-PS	1,2-Dichloroethane-d4	50	47.0	94	78	117
		Dibromofluoromethane	50	58.3	117	75	124
		Toluene-d8	50	53.5	107	92	112
		4-Bromofluorobenzene	50	44.8	90	83	123
M2137-10	152140-MW-2D(OFFSITE)	1,2-Dichloroethane-d4	50	46.3	93	78	117
		Dibromofluoromethane	50	57.2	114	75	124
		Toluene-d8	50	53.1	106	92	112
		4-Bromofluorobenzene	50	42.9	86	83	123
M2137-11	152140-DDC-8-PD	1,2-Dichloroethane-d4	50	42.1	84	78	117
		Dibromofluoromethane	50	51.9	104	75	124
		Toluene-d8	50	49.4	99	92	112
		4-Bromofluorobenzene	50	41.6	83	83	123
M2137-12	152140-DDC-8-PS	1,2-Dichloroethane-d4	50	46.1	92	78	117
		Dibromofluoromethane	50	57.8	116	75	124
		Toluene-d8	50	53.5	107	92	112
		4-Bromofluorobenzene	50	44.1	88	83	123

Surrogate Summary

SDG No.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
M2137-13	152140-DDC-7-PS	1,2-Dichloroethane-d4	50	43.1	86	78	117
		Dibromofluoromethane	50	52.9	106	75	124
		Toluene-d8	50	50.1	100	92	112
		4-Bromofluorobenzene	50	34.2	68 *	83	123
M2137-13RE	152140-DDC-7-PSRE	1,2-Dichloroethane-d4	50	46.4	93	78	117
		Dibromofluoromethane	50	58.4	117	75	124
		Toluene-d8	50	53.7	107	92	112
		4-Bromofluorobenzene	50	38.2	76 *	83	123
M2137-14	152140-DDC-9-PD	1,2-Dichloroethane-d4	50	46.2	92	78	117
		Dibromofluoromethane	50	56.6	113	75	124
		Toluene-d8	50	52.4	105	92	112
		4-Bromofluorobenzene	50	41.9	84	83	123
M2137-15	152140-DDC-7-PD	1,2-Dichloroethane-d4	50	45.7	91	78	117
		Dibromofluoromethane	50	57.7	115	75	124
		Toluene-d8	50	53.5	107	92	112
		4-Bromofluorobenzene	50	44.4	89	83	123
M2137-16	152140-DDC-9-PS	1,2-Dichloroethane-d4	50	45.4	91	78	117
		Dibromofluoromethane	50	56.7	113	75	124
		Toluene-d8	50	52.9	106	92	112
		4-Bromofluorobenzene	50	42.9	86	83	123
M2137-17	152140-MW-1S(OFFSITE)	1,2-Dichloroethane-d4	50	46.7	93	78	117
		Dibromofluoromethane	50	57.8	116	75	124
		Toluene-d8	50	54.3	109	92	112
		4-Bromofluorobenzene	50	45.3	91	83	123
M2137-18MS	152140-MW-1S(OFFSITE)MS	1,2-Dichloroethane-d4	50	42.4	85	78	117
		Dibromofluoromethane	50	52.3	105	75	124
		Toluene-d8	50	50.7	101	92	112
		4-Bromofluorobenzene	50	52.5	105	83	123
M2137-19MSD	152140-MW-1S(OFFSITE)MSD	1,2-Dichloroethane-d4	50	42.7	85	78	117
		Dibromofluoromethane	50	52.4	105	75	124
		Toluene-d8	50	51.4	103	92	112
		4-Bromofluorobenzene	50	53.5	107	83	123
M2137-20	152140-MW-3S(ONSITE)	1,2-Dichloroethane-d4	50	46.2	92	78	117
		Dibromofluoromethane	50	57.8	116	75	124
		Toluene-d8	50	53.7	107	92	112
		4-Bromofluorobenzene	50	44.0	88	83	123
M2137-21	152140-MW-1D(OFFSITE)	1,2-Dichloroethane-d4	50	42.4	85	78	117
		Dibromofluoromethane	50	55.6	111	75	124
		Toluene-d8	50	52.9	106	92	112
		4-Bromofluorobenzene	50	45.1	90	83	123
M2137-22	152140-MW-6S	1,2-Dichloroethane-d4	50	46.6	93	78	117
		Dibromofluoromethane	50	58.2	116	75	124
		Toluene-d8	50	54.0	108	92	112
		4-Bromofluorobenzene	50	44.4	89	83	123
M2137-23	152140-RB-041921	1,2-Dichloroethane-d4	50	45.5	91	78	117
		Dibromofluoromethane	50	57.4	115	75	124
		Toluene-d8	50	53.0	106	92	112
		4-Bromofluorobenzene	50	42.3	85	83	123
M2137-24	TB	1,2-Dichloroethane-d4	50	43.5	87	78	117
		Dibromofluoromethane	50	54.6	109	75	124
		Toluene-d8	50	52.2	104	92	112
		4-Bromofluorobenzene	50	42.8	86	83	123

Surrogate Summary

SDG No.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0428WBL02	VN0428WBL02	1,2-Dichloroethane-d4	50	42.4	85	78	117
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	49.5	99	92	112
		4-Bromofluorobenzene	50	42.3	85	83	123
VN0428WBS02	VN0428WBS02	1,2-Dichloroethane-d4	50	44.2	88	78	117
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	50.2	100	92	112
		4-Bromofluorobenzene	50	49.7	99	83	123
VN0429WBL01	VN0429WBL01	1,2-Dichloroethane-d4	50	44.9	90	78	117
		Dibromofluoromethane	50	54.6	109	75	124
		Toluene-d8	50	52.2	104	92	112
		4-Bromofluorobenzene	50	44.4	89	83	123
VN0429WBL02	VN0429WBL02	1,2-Dichloroethane-d4	50	45.9	92	78	117
		Dibromofluoromethane	50	56.9	114	75	124
		Toluene-d8	50	52.6	105	92	112
		4-Bromofluorobenzene	50	43.5	87	83	123
VN0429WBS01	VN0429WBS01	1,2-Dichloroethane-d4	50	40.3	81	78	117
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	50.3	101	92	112
		4-Bromofluorobenzene	50	49.1	98	83	123
VN0429WBS02	VN0429WBS02	1,2-Dichloroethane-d4	50	42.9	86	78	117
		Dibromofluoromethane	50	54.0	108	75	124
		Toluene-d8	50	51.2	102	92	112
		4-Bromofluorobenzene	50	48.7	97	83	123
VN0430WBL01	VN0430WBL01	1,2-Dichloroethane-d4	50	43.7	87	78	117
		Dibromofluoromethane	50	54.8	110	75	124
		Toluene-d8	50	52.9	106	92	112
		4-Bromofluorobenzene	50	45.4	91	83	123
VN0430WBS01	VN0430WBS01	1,2-Dichloroethane-d4	50	40.2	80	78	117
		Dibromofluoromethane	50	52.4	105	75	124
		Toluene-d8	50	51.1	102	92	112
		4-Bromofluorobenzene	50	50.8	102	83	123

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **M2137**Client: **EA Engineering Science & Technology**Analytical Method: **SW8260-Low**

Parameter	Spike	Sample	Result	Units	Rec		RPD	Limits			RPD
		Result			Qual	RPD	Qual	Low	High		
Lab Sample ID :	M2137-18MS	Client Sample ID :	152140-MW-1S(OFFSITE)MS					Datafile :	VN066899.D		
Dichlorodifluoromethane	50	0	43.9	ug/L	88				73	120	
Chloromethane	50	0	48.1	ug/L	96				58	133	
Vinyl chloride	50	0	49.9	ug/L	100				69	125	
Bromomethane	50	0	49.0	ug/L	98				45	135	
Chloroethane	50	0	49.8	ug/L	100				77	119	
Trichlorofluoromethane	50	0	49.0	ug/L	98				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	46.3	ug/L	93				75	117	
1,1-Dichloroethene	50	0	48.5	ug/L	97				77	118	
Acetone	250	0	200	ug/L	80				57	139	
Carbon disulfide	50	0	45.5	ug/L	91				67	118	
Methyl tert-butyl Ether	50	0	47.3	ug/L	95				60	148	
Methyl Acetate	50	0	36.5	ug/L	73				60	133	
Methylene Chloride	50	0	49.3	ug/L	99				79	115	
trans-1,2-Dichloroethene	50	0	49.9	ug/L	100				60	133	
1,1-Dichloroethane	50	0	47.7	ug/L	95				78	122	
Cyclohexane	50	0	40.6	ug/L	81				71	119	
2-Butanone	250	0	220	ug/L	88				67	137	
Carbon Tetrachloride	50	0	52.3	ug/L	105				84	115	
cis-1,2-Dichloroethene	50	0	50.0	ug/L	100				56	145	
Bromochloromethane	50	0	45.0	ug/L	90				72	130	
Chloroform	50	0	49.0	ug/L	98				83	119	
1,1,1-Trichloroethane	50	0	48.0	ug/L	96				83	117	
Methylcyclohexane	50	0	45.7	ug/L	91				64	120	
Benzene	50	0	52.5	ug/L	105				83	115	
1,2-Dichloroethane	50	0	46.8	ug/L	94				76	120	
Trichloroethene	50	0	54.0	ug/L	108				45	149	
1,2-Dichloropropane	50	0	51.9	ug/L	104				85	116	
Bromodichloromethane	50	0	51.7	ug/L	103				86	117	
4-Methyl-2-Pentanone	250	0	240	ug/L	96				72	137	
Toluene	50	0	53.4	ug/L	107				85	115	
t-1,3-Dichloropropene	50	0	47.4	ug/L	95				78	117	
cis-1,3-Dichloropropene	50	0	46.5	ug/L	93				77	115	
1,1,2-Trichloroethane	50	0	56.7	ug/L	113				87	119	
2-Hexanone	250	0	210	ug/L	84				75	131	
Dibromochloromethane	50	0	58.8	ug/L	118				88	118	
1,2-Dibromoethane	50	0	57.3	ug/L	115				85	119	
Tetrachloroethene	50	0	51.8	ug/L	104				65	114	
Chlorobenzene	50	0	52.4	ug/L	105				62	141	
Ethyl Benzene	50	0	50.4	ug/L	101				62	134	
m/p-Xylenes	100	0	110	ug/L	110				83	117	
o-Xylene	50	0	52.4	ug/L	105				81	120	
Styrene	50	0	46.8	ug/L	94				53	143	
Bromoform	50	0	60.2	ug/L	120				83	121	
Isopropylbenzene	50	0	48.5	ug/L	97				76	121	
1,1,2,2-Tetrachloroethane	50	0	49.3	ug/L	99				66	145	
1,3-Dichlorobenzene	50	0	50.7	ug/L	101				84	110	
1,4-Dichlorobenzene	50	0	49.0	ug/L	98				81	111	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,2-Dichlorobenzene	50	0	50.7	ug/L	101				82	113	
1,2-Dibromo-3-Chloropropane	50	0	44.6	ug/L	89				55	152	
1,2,4-Trichlorobenzene	50	0	49.6	ug/L	99				73	120	
1,2,3-Trichlorobenzene	50	0	50.7	ug/L	101				75	119	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **M2137**Client: **EA Engineering Science & Technology**Analytical Method: **SW8260-Low**

Parameter	Spike	Sample	Result	Units	Rec		RPD		Limits		
		Result			Qual	RPD	Qual	Low	High	RPD	
Lab Sample ID :	M2137-19MSD	Client Sample ID :	152140-MW-1S(OFFSITE)MSD					Datafile :	VN066900.D		
Dichlorodifluoromethane	50	0	44.6	ug/L	89		2		73	120	20
Chloromethane	50	0	49.5	ug/L	99		3		58	133	20
Vinyl chloride	50	0	52.2	ug/L	104		5		69	125	20
Bromomethane	50	0	50.4	ug/L	101		3		45	135	20
Chloroethane	50	0	49.7	ug/L	99		0		77	119	20
Trichlorofluoromethane	50	0	49.0	ug/L	98		0		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	45.9	ug/L	92		1		75	117	20
1,1-Dichloroethene	50	0	48.5	ug/L	97		0		77	118	20
Acetone	250	0	200	ug/L	80		0		57	139	20
Carbon disulfide	50	0	45.8	ug/L	92		1		67	118	20
Methyl tert-butyl Ether	50	0	46.5	ug/L	93		2		60	148	20
Methyl Acetate	50	0	34.7	ug/L	69		5		60	133	20
Methylene Chloride	50	0	48.6	ug/L	97		1		79	115	20
trans-1,2-Dichloroethene	50	0	49.7	ug/L	99		0		60	133	20
1,1-Dichloroethane	50	0	47.1	ug/L	94		1		78	122	20
Cyclohexane	50	0	41.0	ug/L	82		1		71	119	20
2-Butanone	250	0	220	ug/L	88		0		67	137	20
Carbon Tetrachloride	50	0	51.7	ug/L	103		1		84	115	20
cis-1,2-Dichloroethene	50	0	49.9	ug/L	100		0		56	145	20
Bromochloromethane	50	0	44.5	ug/L	89		1		72	130	20
Chloroform	50	0	48.1	ug/L	96		2		83	119	20
1,1,1-Trichloroethane	50	0	47.6	ug/L	95		1		83	117	20
Methylcyclohexane	50	0	46.8	ug/L	94		2		64	120	20
Benzene	50	0	52.2	ug/L	104		1		83	115	20
1,2-Dichloroethane	50	0	46.2	ug/L	92		1		76	120	20
Trichloroethene	50	0	55.0	ug/L	110		2		45	149	20
1,2-Dichloropropane	50	0	51.4	ug/L	103		1		85	116	20
Bromodichloromethane	50	0	51.8	ug/L	104		0		86	117	20
4-Methyl-2-Pentanone	250	0	240	ug/L	96		0		72	137	20
Toluene	50	0	54.2	ug/L	108		1		85	115	20
t-1,3-Dichloropropene	50	0	47.6	ug/L	95		0		78	117	20
cis-1,3-Dichloropropene	50	0	46.8	ug/L	94		1		77	115	20
1,1,2-Trichloroethane	50	0	56.5	ug/L	113		0		87	119	20
2-Hexanone	250	0	210	ug/L	84		0		75	131	20
Dibromochloromethane	50	0	58.4	ug/L	117		1		88	118	20
1,2-Dibromoethane	50	0	56.9	ug/L	114		1		85	119	20
Tetrachloroethene	50	0	53.8	ug/L	108		4		65	114	20
Chlorobenzene	50	0	53.4	ug/L	107		2		62	141	20
Ethyl Benzene	50	0	51.8	ug/L	104		3		62	134	20
m/p-Xylenes	100	0	110	ug/L	110		0		83	117	20
o-Xylene	50	0	53.8	ug/L	108		3		81	120	20
Styrene	50	0	48.1	ug/L	96		3		53	143	20
Bromoform	50	0	60.7	ug/L	121		1		83	121	20
Isopropylbenzene	50	0	50.4	ug/L	101		4		76	121	20
1,1,2,2-Tetrachloroethane	50	0	50.5	ug/L	101		2		66	145	20
1,3-Dichlorobenzene	50	0	53.5	ug/L	107		5		84	110	20
1,4-Dichlorobenzene	50	0	52.0	ug/L	104		6		81	111	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Low	Limits	
		Result			Qual	RPD	Qual	High		RPD	
1,2-Dichlorobenzene	50	0	53.4	ug/L	107			5	82	113	20
1,2-Dibromo-3-Chloropropane	50	0	45.9	ug/L	92			3	55	152	20
1,2,4-Trichlorobenzene	50	0	55.7	ug/L	111			12	73	120	20
1,2,3-Trichlorobenzene	50	0	57.5	ug/L	115			13	75	119	20

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

SDG No.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VN066830.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0428WBS02	Dichlorodifluoromethane	20	17.2	ug/L	86			69	116	
	Chloromethane	20	18.8	ug/L	94			65	116	
	Vinyl chloride	20	18.8	ug/L	94			65	117	
	Bromomethane	20	18.7	ug/L	94			55	134	
	Chloroethane	20	18.4	ug/L	92			73	112	
	Trichlorofluoromethane	20	17.9	ug/L	90			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			80	112	
	1,1-Dichloroethene	20	17.6	ug/L	88			74	110	
	Acetone	100	78.8	ug/L	79			60	125	
	Carbon disulfide	20	17.8	ug/L	89			64	112	
	Methyl tert-butyl Ether	20	17.1	ug/L	86			78	114	
	Methyl Acetate	20	18.4	ug/L	92			67	125	
	Methylene Chloride	20	18.8	ug/L	94			72	114	
	trans-1,2-Dichloroethene	20	18.7	ug/L	94			75	108	
	1,1-Dichloroethane	20	18.0	ug/L	90			78	112	
	Cyclohexane	20	16.0	ug/L	80			75	110	
	2-Butanone	100	86.2	ug/L	86			65	122	
	Carbon Tetrachloride	20	18.8	ug/L	94			77	113	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			77	110	
	Bromochloromethane	20	17.3	ug/L	86			70	124	
	Chloroform	20	18.3	ug/L	92			79	113	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			80	108	
	Methylcyclohexane	20	16.6	ug/L	83			72	115	
	Benzene	20	19.1	ug/L	96			82	109	
	1,2-Dichloroethane	20	17.1	ug/L	86			80	115	
	Trichloroethene	20	19.5	ug/L	98			77	113	
	1,2-Dichloropropane	20	19.1	ug/L	96			83	111	
	Bromodichloromethane	20	18.7	ug/L	94			83	110	
	4-Methyl-2-Pentanone	100	90.5	ug/L	91			74	118	
	Toluene	20	19.3	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	17.4	ug/L	87			79	110	
	cis-1,3-Dichloropropene	20	17.8	ug/L	89			82	110	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			83	112	
	2-Hexanone	100	84.9	ug/L	85			73	117	
	Dibromochloromethane	20	20.5	ug/L	103			82	110	
	1,2-Dibromoethane	20	20.4	ug/L	102			81	110	
	Tetrachloroethene	20	19.7	ug/L	99			67	123	
	Chlorobenzene	20	19.0	ug/L	95			82	109	
	Ethyl Benzene	20	18.0	ug/L	90			83	109	
	m/p-Xylenes	40	38.1	ug/L	95			82	110	
	o-Xylene	20	18.3	ug/L	92			83	109	
	Styrene	20	17.8	ug/L	89			80	111	
	Bromoform	20	21.0	ug/L	105			79	109	
	Isopropylbenzene	20	17.9	ug/L	90			83	112	
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98			76	118	
	1,3-Dichlorobenzene	20	18.8	ug/L	94			82	108	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			82	107	
	1,2-Dichlorobenzene	20	18.8	ug/L	94			82	109	
	1,2-Dibromo-3-Chloropropane	20	15.3	ug/L	77			68	112	

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

SDG No.: M2137
Client: EA Engineering Science & Technology
Analytical Method: SW8260-Low

Datafile : VN066830.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0428WBS02	1,2,4-Trichlorobenzene	20	18.6	ug/L	93			74	114	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			77	113	

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

SDG No.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VN066856.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0429WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			69	116	
	Chloromethane	20	17.8	ug/L	89			65	116	
	Vinyl chloride	20	18.1	ug/L	91			65	117	
	Bromomethane	20	18.1	ug/L	91			55	134	
	Chloroethane	20	17.9	ug/L	90			73	112	
	Trichlorofluoromethane	20	17.6	ug/L	88			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			80	112	
	1,1-Dichloroethene	20	17.4	ug/L	87			74	110	
	Acetone	100	85.7	ug/L	86			60	125	
	Carbon disulfide	20	17.0	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	15.7	ug/L	79			78	114	
	Methyl Acetate	20	16.3	ug/L	81			67	125	
	Methylene Chloride	20	17.5	ug/L	88			72	114	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	108	
	1,1-Dichloroethane	20	17.0	ug/L	85			78	112	
	Cyclohexane	20	15.4	ug/L	77			75	110	
	2-Butanone	100	78.6	ug/L	79			65	122	
	Carbon Tetrachloride	20	19.3	ug/L	97			77	113	
	cis-1,2-Dichloroethene	20	17.1	ug/L	86			77	110	
	Bromochloromethane	20	16.7	ug/L	84			70	124	
	Chloroform	20	17.1	ug/L	86			79	113	
	1,1,1-Trichloroethane	20	16.9	ug/L	85			80	108	
	Methylcyclohexane	20	18.4	ug/L	92			72	115	
	Benzene	20	19.3	ug/L	97			82	109	
	1,2-Dichloroethane	20	17.4	ug/L	87			80	115	
	Trichloroethene	20	20.3	ug/L	102			77	113	
	1,2-Dichloropropane	20	19.0	ug/L	95			83	111	
	Bromodichloromethane	20	18.9	ug/L	95			83	110	
	4-Methyl-2-Pentanone	100	84.6	ug/L	85			74	118	
	Toluene	20	19.8	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			82	110	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			83	112	
	2-Hexanone	100	79.6	ug/L	80			73	117	
	Dibromochloromethane	20	20.4	ug/L	102			82	110	
	1,2-Dibromoethane	20	20.1	ug/L	101			81	110	
	Tetrachloroethene	20	22.3	ug/L	112			67	123	
	Chlorobenzene	20	19.6	ug/L	98			82	109	
	Ethyl Benzene	20	18.6	ug/L	93			83	109	
	m/p-Xylenes	40	39.4	ug/L	99			82	110	
	o-Xylene	20	18.8	ug/L	94			83	109	
	Styrene	20	18.4	ug/L	92			80	111	
	Bromoform	20	20.8	ug/L	104			79	109	
	Isopropylbenzene	20	18.3	ug/L	92			83	112	
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92			76	118	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			82	107	
	1,2-Dichlorobenzene	20	19.9	ug/L	100			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.4	ug/L	82			68	112	

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

SDG No.: M2137
Client: EA Engineering Science & Technology
Analytical Method: SW8260-Low

Datafile : VN066856.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0429WBS01	1,2,4-Trichlorobenzene	20	20.5	ug/L	103			74	114	
	1,2,3-Trichlorobenzene	20	19.8	ug/L	99			77	113	

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

SDG No.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VN066881.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0429WBS02	Dichlorodifluoromethane	20	16.9	ug/L	85			69	116	
	Chloromethane	20	18.3	ug/L	92			65	116	
	Vinyl chloride	20	18.5	ug/L	93			65	117	
	Bromomethane	20	19.0	ug/L	95			55	134	
	Chloroethane	20	18.5	ug/L	93			73	112	
	Trichlorofluoromethane	20	18.7	ug/L	94			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/L	91			80	112	
	1,1-Dichloroethene	20	17.6	ug/L	88			74	110	
	Acetone	100	75.0	ug/L	75			60	125	
	Carbon disulfide	20	17.2	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	16.3	ug/L	81			78	114	
	Methyl Acetate	20	17.8	ug/L	89			67	125	
	Methylene Chloride	20	18.6	ug/L	93			72	114	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			75	108	
	1,1-Dichloroethane	20	17.5	ug/L	88			78	112	
	Cyclohexane	20	14.9	ug/L	75			75	110	
	2-Butanone	100	81.1	ug/L	81			65	122	
	Carbon Tetrachloride	20	20.0	ug/L	100			77	113	
	cis-1,2-Dichloroethene	20	17.9	ug/L	90			77	110	
	Bromochloromethane	20	16.5	ug/L	83			70	124	
	Chloroform	20	18.1	ug/L	91			79	113	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			80	108	
	Methylcyclohexane	20	16.5	ug/L	83			72	115	
	Benzene	20	19.5	ug/L	98			82	109	
	1,2-Dichloroethane	20	17.4	ug/L	87			80	115	
	Trichloroethene	20	20.2	ug/L	101			77	113	
	1,2-Dichloropropane	20	19.4	ug/L	97			83	111	
	Bromodichloromethane	20	19.4	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	88.7	ug/L	89			74	118	
	Toluene	20	19.6	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	17.2	ug/L	86			79	110	
	cis-1,3-Dichloropropene	20	18.0	ug/L	90			82	110	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			83	112	
	2-Hexanone	100	80.4	ug/L	80			73	117	
	Dibromochloromethane	20	21.5	ug/L	108			82	110	
	1,2-Dibromoethane	20	20.9	ug/L	104			81	110	
	Tetrachloroethene	20	21.4	ug/L	107			67	123	
	Chlorobenzene	20	19.6	ug/L	98			82	109	
	Ethyl Benzene	20	17.9	ug/L	90			83	109	
	m/p-Xylenes	40	38.1	ug/L	95			82	110	
	o-Xylene	20	18.3	ug/L	92			83	109	
	Styrene	20	17.9	ug/L	90			80	111	
	Bromoform	20	21.4	ug/L	107			79	109	
	Isopropylbenzene	20	17.8	ug/L	89			83	112	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			76	118	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			82	108	
	1,4-Dichlorobenzene	20	18.9	ug/L	95			82	107	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89			68	112	

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

SDG No.:

M2137

Client:

EA Engineering Science & Technology

Analytical Method:

SW8260-Low

Datafile :

VN066881.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0429WBS02	1,2,4-Trichlorobenzene	20	18.6	ug/L	93			74	114	
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96			77	113	

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

SDG No.: M2137

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VN066906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0430WBS01	Dichlorodifluoromethane	20	16.5	ug/L	83			69	116	
	Chloromethane	20	17.2	ug/L	86			65	116	
	Vinyl chloride	20	17.8	ug/L	89			65	117	
	Bromomethane	20	18.2	ug/L	91			55	134	
	Chloroethane	20	17.6	ug/L	88			73	112	
	Trichlorofluoromethane	20	18.1	ug/L	91			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			80	112	
	1,1-Dichloroethene	20	17.4	ug/L	87			74	110	
	Acetone	100	67.1	ug/L	67			60	125	
	Carbon disulfide	20	16.3	ug/L	81			64	112	
	Methyl tert-butyl Ether	20	16.2	ug/L	81			78	114	
	Methyl Acetate	20	16.1	ug/L	81			67	125	
	Methylene Chloride	20	17.4	ug/L	87			72	114	
	trans-1,2-Dichloroethene	20	17.7	ug/L	89			75	108	
	1,1-Dichloroethane	20	16.9	ug/L	85			78	112	
	Cyclohexane	20	15.1	ug/L	76			75	110	
	2-Butanone	100	73.2	ug/L	73			65	122	
	Carbon Tetrachloride	20	19.2	ug/L	96			77	113	
	cis-1,2-Dichloroethene	20	17.5	ug/L	88			77	110	
	Bromochloromethane	20	15.8	ug/L	79			70	124	
	Chloroform	20	17.2	ug/L	86			79	113	
	1,1,1-Trichloroethane	20	17.0	ug/L	85			80	108	
	Methylcyclohexane	20	18.5	ug/L	93			72	115	
	Benzene	20	19.2	ug/L	96			82	109	
	1,2-Dichloroethane	20	16.9	ug/L	85			80	115	
	Trichloroethene	20	20.5	ug/L	103			77	113	
	1,2-Dichloropropane	20	18.8	ug/L	94			83	111	
	Bromodichloromethane	20	18.9	ug/L	95			83	110	
	4-Methyl-2-Pentanone	100	82.2	ug/L	82			74	118	
	Toluene	20	19.7	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			82	110	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			83	112	
	2-Hexanone	100	75.6	ug/L	76			73	117	
	Dibromochloromethane	20	21.0	ug/L	105			82	110	
	1,2-Dibromoethane	20	20.3	ug/L	102			81	110	
	Tetrachloroethene	20	22.3	ug/L	112			67	123	
	Chlorobenzene	20	20.0	ug/L	100			82	109	
	Ethyl Benzene	20	18.7	ug/L	94			83	109	
	m/p-Xylenes	40	39.7	ug/L	99			82	110	
	o-Xylene	20	19.2	ug/L	96			83	109	
	Styrene	20	18.3	ug/L	92			80	111	
	Bromoform	20	21.5	ug/L	108			79	109	
	Isopropylbenzene	20	18.4	ug/L	92			83	112	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			76	118	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			82	108	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.2	ug/L	81			68	112	

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

SDG No.:

M2137

Client:

EA Engineering Science & Technology

Analytical Method:

SW8260-Low

Datafile :

VN066906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0430WBS01	1,2,4-Trichlorobenzene	20	19.3	ug/L	97			74	114	
	1,2,3-Trichlorobenzene	20	20.0	ug/L	100			77	113	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0428WBL02

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2137

SAS No.: M2137 SDG NO.: M2137

Lab File ID: VN066829.D

Lab Sample ID: VN0428WBL02

Date Analyzed: 04/28/2021

Time Analyzed: 22:40

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
VN0428WBS02	VN0428WBS02	VN066830.D	04/28/2021
152140-DDC-6-PS	M2137-02	VN066833.D	04/29/2021
152140-DDC-5-PS	M2137-05	VN066836.D	04/29/2021
152140-DDC-10-PD	M2137-07	VN066838.D	04/29/2021
152140-DDC-8-PD	M2137-11	VN066842.D	04/29/2021
152140-DDC-7-PS	M2137-13	VN066844.D	04/29/2021

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0429WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2137

SAS No.: M2137 SDG NO.: M2137

Lab File ID: VN066855.D

Lab Sample ID: VN0429WBL01

Date Analyzed: 04/29/2021

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
VN0429WBS01	VN0429WBS01	VN066856.D	04/29/2021
152140-MW-3S (OFFSITE)	M2137-01	VN066866.D	04/29/2021
152140-DDC-6-PD	M2137-03	VN066867.D	04/29/2021
152140-MW-3D (OFFSITE)	M2137-04	VN066868.D	04/29/2021
152140-DDC-5-PSRE	M2137-05RE	VN066869.D	04/29/2021
152140-DDC-5-PD	M2137-06	VN066870.D	04/29/2021
152140-MW-2S (OFFSITE)	M2137-08	VN066871.D	04/29/2021
152140-DDC-10-PS	M2137-09	VN066872.D	04/29/2021
152140-MW-2D (OFFSITE)	M2137-10	VN066873.D	04/29/2021
152140-DDC-8-PS	M2137-12	VN066874.D	04/29/2021
152140-DDC-7-PSRE	M2137-13RE	VN066875.D	04/29/2021
152140-DDC-9-PD	M2137-14	VN066876.D	04/29/2021

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0429WBL02

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2137

SAS No.: M2137 SDG NO.: M2137

Lab File ID: VN066880.D

Lab Sample ID: VN0429WBL02

Date Analyzed: 04/29/2021

Time Analyzed: 23:16

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
VN0429WBS02	VN0429WBS02	VN066881.D	04/29/2021
152140-DDC-7-PD	M2137-15	VN066884.D	04/30/2021
152140-DDC-9-PS	M2137-16	VN066885.D	04/30/2021
152140-MW-1S (OFFSITE)	M2137-17	VN066886.D	04/30/2021
152140-MW-3S (ONSITE)	M2137-20	VN066887.D	04/30/2021
152140-MW-6S	M2137-22	VN066889.D	04/30/2021
152140-RB-041921	M2137-23	VN066890.D	04/30/2021
152140-MW-1S (OFFSITE)MS	M2137-18MS	VN066899.D	04/30/2021
152140-MW-1S (OFFSITE)MSD	M2137-19MSD	VN066900.D	04/30/2021

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0430WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2137

SAS No.: M2137 SDG NO.: M2137

Lab File ID: VN066905.D

Lab Sample ID: VN0430WBL01

Date Analyzed: 04/30/2021

Time Analyzed: 13:01

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
VN0430WBS01	VN0430WBS01	VN066906.D	04/30/2021
152140-MW-1D (OFFSITE)	M2137-21	VN066909.D	04/30/2021
TB	M2137-24	VN066910.D	04/30/2021

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	EAEN05	
Lab Code:	CHEM	Case No.:	M2137	SAS No.:	M2137
Lab File ID:	VN066771.D		BFB Injection Date:	04/27/2021	
Instrument ID:	MSVOA_N		BFB Injection Time:	10:22	
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	20.3
75	30.0 - 60.0% of mass 95	49.7
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 (1.1) 1
174	50.0 - 100.0% of mass 95	81.1
175	5.0 - 9.0% of mass 174	6.4 (7.9) 1
176	95.0 - 101.0% of mass 174	81.1 (100) 1
177	5.0 - 9.0% of mass 176	5.3 (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
VSTDIC001	VSTDIC001	VN066772.D	04/27/2021	10:51
VSTDIC005	VSTDIC005	VN066773.D	04/27/2021	11:15
VSTDIC020	VSTDIC020	VN066774.D	04/27/2021	11:39
VSTDIC050	VSTDIC050	VN066775.D	04/27/2021	12:02
VSTDIC100	VSTDIC100	VN066776.D	04/27/2021	12:26
VSTDIC040	VSTDIC040	VN066779.D	04/27/2021	13:45

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	EAEN05	
Lab Code:	CHEM	Case No.:	M2137	SAS No.:	M2137
				SDG NO.:	M2137
Lab File ID:	VN066827.D		BFB Injection Date:	04/28/2021	
Instrument ID:	MSVOA_N		BFB Injection Time:	21:28	
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	16
75	30.0 - 60.0% of mass 95	45.2
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) 1
174	50.0 - 100.0% of mass 95	85.6
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	84.2 (98.4) 1
177	5.0 - 9.0% of mass 176	5.8 (6.9) 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	VN066828.D	04/28/2021	21:52
VN0428WBL02	VN0428WBL02	VN066829.D	04/28/2021	22:40
VN0428WBS02	VN0428WBS02	VN066830.D	04/28/2021	23:04
152140-DDC-6-PS	M2137-02	VN066833.D	04/29/2021	00:29
152140-DDC-5-PS	M2137-05	VN066836.D	04/29/2021	01:41
152140-DDC-10-PD	M2137-07	VN066838.D	04/29/2021	02:30
152140-DDC-8-PD	M2137-11	VN066842.D	04/29/2021	04:06
152140-DDC-7-PS	M2137-13	VN066844.D	04/29/2021	04:53

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>EAEN05</u>
Lab Code: <u>CHEM</u> Case No.: <u>M2137</u>	SAS No.: <u>M2137</u> SDG NO.: <u>M2137</u>
Lab File ID: <u>VN066852.D</u>	BFB Injection Date: <u>04/29/2021</u>
Instrument ID: <u>MSVOA_N</u>	BFB Injection Time: <u>09:27</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	47.9
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	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	91.4
175	5.0 - 9.0% of mass 174	6.7 (7.4) 1
176	95.0 - 101.0% of mass 174	87.7 (95.9) 1
177	5.0 - 9.0% of mass 176	6.2 (7.1) 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	VN066853.D	04/29/2021	09:58
VN0429WBL01	VN0429WBL01	VN066855.D	04/29/2021	11:34
VN0429WBS01	VN0429WBS01	VN066856.D	04/29/2021	12:04
152140-MW-3S(OFFSITE)	M2137-01	VN066866.D	04/29/2021	16:51
152140-DDC-6-PD	M2137-03	VN066867.D	04/29/2021	17:15
152140-MW-3D(OFFSITE)	M2137-04	VN066868.D	04/29/2021	17:39
152140-DDC-5-PSRE	M2137-05RE	VN066869.D	04/29/2021	18:03
152140-DDC-5-PD	M2137-06	VN066870.D	04/29/2021	18:27
152140-MW-2S(OFFSITE)	M2137-08	VN066871.D	04/29/2021	18:51
152140-DDC-10-PS	M2137-09	VN066872.D	04/29/2021	19:15
152140-MW-2D(OFFSITE)	M2137-10	VN066873.D	04/29/2021	19:40
152140-DDC-8-PS	M2137-12	VN066874.D	04/29/2021	20:04
152140-DDC-7-PSRE	M2137-13RE	VN066875.D	04/29/2021	20:28
152140-DDC-9-PD	M2137-14	VN066876.D	04/29/2021	20:52

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	EAEN05	
Lab Code:	CHEM	Case No.:	M2137	SAS No.:	M2137
Lab File ID:	VN066878.D		BFB Injection Date:	04/29/2021	
Instrument ID:	MSVOA_N		BFB Injection Time:	22:04	
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	16.2
75	30.0 - 60.0% of mass 95	44.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.5) 1
174	50.0 - 100.0% of mass 95	90.8
175	5.0 - 9.0% of mass 174	6.3 (6.9) 1
176	95.0 - 101.0% of mass 174	87 (95.8) 1
177	5.0 - 9.0% of mass 176	6.2 (7.1) 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	VN066879.D	04/29/2021	22:28
VN0429WBL02	VN0429WBL02	VN066880.D	04/29/2021	23:16
VN0429WBS02	VN0429WBS02	VN066881.D	04/29/2021	23:40
152140-DDC-7-PD	M2137-15	VN066884.D	04/30/2021	00:52
152140-DDC-9-PS	M2137-16	VN066885.D	04/30/2021	01:17
152140-MW-1S(OFFSITE)	M2137-17	VN066886.D	04/30/2021	01:41
152140-MW-3S(ONSITE)	M2137-20	VN066887.D	04/30/2021	02:05
152140-MW-6S	M2137-22	VN066889.D	04/30/2021	02:53
152140-RB-041921	M2137-23	VN066890.D	04/30/2021	03:17
152140-MW-1S(OFFSITE)MS	M2137-18MS	VN066899.D	04/30/2021	06:53
152140-MW-1S(OFFSITE)MSD	M2137-19MSD	VN066900.D	04/30/2021	07:17

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>EAEN05</u>
Lab Code: <u>CHEM</u> Case No.: <u>M2137</u>	SAS No.: <u>M2137</u> SDG NO.: <u>M2137</u>
Lab File ID: <u>VN066902.D</u>	BFB Injection Date: <u>04/30/2021</u>
Instrument ID: <u>MSVOA_N</u>	BFB Injection Time: <u>09:52</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.4
75	30.0 - 60.0% of mass 95	46.7
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	1 (1.1) 1
174	50.0 - 100.0% of mass 95	90.7
175	5.0 - 9.0% of mass 174	6.8 (7.5) 1
176	95.0 - 101.0% of mass 174	86.9 (95.8) 1
177	5.0 - 9.0% of mass 176	5.8 (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	VN066903.D	04/30/2021	12:02
VN0430WBL01	VN0430WBL01	VN066905.D	04/30/2021	13:01
VN0430WBS01	VN0430WBS01	VN066906.D	04/30/2021	13:31
152140-MW-1D(OFFSITE)	M2137-21	VN066909.D	04/30/2021	14:54
TB	M2137-24	VN066910.D	04/30/2021	15:18

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG NO.: M2137
 Lab File ID: VN066828.D Date Analyzed: 04/28/2021
 Instrument ID: MSVOA_N Time Analyzed: 21:52
 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	289318	7.59	449410	8.52	427767	11.35
UPPER LIMIT	578636	8.088	898820	9.019	855534	11.851
LOWER LIMIT	144659	7.088	224705	8.019	213884	10.851
EPA SAMPLE NO.						
152140-DDC-6-PS	315598	7.59	477505	8.52	418494	11.35
152140-DDC-5-PS	308709	7.59	467368	8.52	406263	11.35
152140-DDC-10-PD	305558	7.59	466665	8.52	411540	11.35
152140-DDC-8-PD	332893	7.59	503384	8.52	437418	11.35
152140-DDC-7-PS	296431	7.59	446367	8.52	385928	11.35
VN0428WBL02	307127	7.59	463130	8.52	411841	11.35
VN0428WBS02	280118	7.59	442901	8.52	412404	11.35

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG NO.: M2137
 Lab File ID: VN066828.D Date Analyzed: 04/28/2021
 Instrument ID: MSVOA_N Time Analyzed: 21:52
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	214153	13.287				
UPPER LIMIT	428306	13.787				
LOWER LIMIT	107077	12.787				
EPA SAMPLE NO.						
152140-DDC-6-PS	167280	13.29				
152140-DDC-5-PS	164795	13.29				
152140-DDC-10-PD	174969	13.29				
152140-DDC-8-PD	177301	13.29				
152140-DDC-7-PS	145354	13.29				
VN0428WBL02	172446	13.29				
VN0428WBS02	192753	13.29				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG NO.: M2137
 Lab File ID: VN066853.D Date Analyzed: 04/29/2021
 Instrument ID: MSVOA_N Time Analyzed: 09:58
 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	309336	7.59	440947	8.52	420112	11.35
UPPER LIMIT	618672	8.088	881894	9.016	840224	11.849
LOWER LIMIT	154668	7.088	220474	8.016	210056	10.849
EPA SAMPLE NO.						
152140-MW-3S(OFFSITE)	304019	7.59	460065	8.52	392511	11.35
152140-DDC-6-PD	295707	7.59	443700	8.52	398942	11.35
152140-MW-3D(OFFSITE)	297150	7.59	442816	8.52	381227	11.35
152140-DDC-5-PSRE	345061	7.59	525873	8.52	448180	11.35
152140-DDC-5-PD	370945	7.59	567425	8.52	489238	11.35
152140-MW-2S(OFFSITE)	305133	7.59	464885	8.52	405991	11.35
152140-DDC-10-PS	294807	7.59	447400	8.52	392560	11.35
152140-MW-2D(OFFSITE)	300079	7.59	455592	8.52	398220	11.35
152140-DDC-8-PS	303497	7.59	457112	8.52	405387	11.35
152140-DDC-7-PSRE	305287	7.59	459991	8.52	390560	11.35
152140-DDC-9-PD	357281	7.59	546072	8.52	454096	11.35
VN0429WBL01	291953	7.59	441894	8.52	390603	11.35
VN0429WBS01	307989	7.59	457402	8.52	417950	11.35

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG NO.: M2137
 Lab File ID: VN066853.D Date Analyzed: 04/29/2021
 Instrument ID: MSVOA_N Time Analyzed: 09:58
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	217513	13.288				
UPPER LIMIT	435026	13.788				
LOWER LIMIT	108757	12.788				
EPA SAMPLE NO.						
152140-MW-3S(OFFSITE)	162111	13.29				
152140-DDC-6-PD	163209	13.29				
152140-MW-3D(OFFSITE)	155632	13.29				
152140-DDC-5-PSRE	185687	13.29				
152140-DDC-5-PD	185572	13.29				
152140-MW-2S(OFFSITE)	165549	13.29				
152140-DDC-10-PS	157432	13.29				
152140-MW-2D(OFFSITE)	153965	13.29				
152140-DDC-8-PS	154725	13.29				
152140-DDC-7-PSRE	161027	13.29				
152140-DDC-9-PD	179959	13.29				
VN0429WBL01	162651	13.29				
VN0429WBS01	198610	13.29				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG NO.: M2137
 Lab File ID: VN066879.D Date Analyzed: 04/29/2021
 Instrument ID: MSVOA_N Time Analyzed: 22:28
 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	275946	7.59	409756	8.52	400097	11.35
UPPER LIMIT	551892	8.091	819512	9.019	800194	11.849
LOWER LIMIT	137973	7.091	204878	8.019	200049	10.849
EPA SAMPLE NO.						
152140-DDC-7-PD	302476	7.59	453861	8.52	394457	11.35
152140-DDC-9-PS	311115	7.59	469922	8.52	405255	11.35
152140-MW-1S(OFFSITE)	295572	7.59	449890	8.52	401939	11.35
152140-MW-1S(OFFSITE)MS	273401	7.59	423491	8.52	405642	11.35
152140-MW-1S(OFFSITE)MSD	280417	7.59	432576	8.52	408465	11.35
152140-MW-3S(ONSITE)	324325	7.59	495639	8.52	428737	11.35
152140-MW-6S	313347	7.59	473697	8.52	415191	11.35
152140-RB-041921	316539	7.59	479401	8.52	414608	11.35
VN0429WBL02	343987	7.59	520784	8.52	448369	11.35
VN0429WBS02	269847	7.59	412984	8.52	382432	11.35

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG NO.: M2137
 Lab File ID: VN066879.D Date Analyzed: 04/29/2021
 Instrument ID: MSVOA_N Time Analyzed: 22:28
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	198892	13.288				
UPPER LIMIT	397784	13.788				
LOWER LIMIT	99446	12.788				
EPA SAMPLE NO.						
152140-DDC-7-PD	157838	13.29				
152140-DDC-9-PS	158365	13.29				
152140-MW-1S(OFFSITE)	158453	13.29				
152140-MW-1S(OFFSITE)MS	199489	13.29				
152140-MW-1S(OFFSITE)MSD	200386	13.29				
152140-MW-3S(ONSITE)	165389	13.29				
152140-MW-6S	144267	13.29				
152140-RB-041921	151005	13.29				
VN0429WBL02	177476	13.29				
VN0429WBS02	177285	13.29				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG NO.: M2137
 Lab File ID: VN066903.D Date Analyzed: 04/30/2021
 Instrument ID: MSVOA_N Time Analyzed: 12:02
 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	309064	7.59	455097	8.52	428226	11.35
UPPER LIMIT	618128	8.088	910194	9.016	856452	11.848
LOWER LIMIT	154532	7.088	227549	8.016	214113	10.848
EPA SAMPLE NO.						
152140-MW-1D(OFFSITE)	331865	7.59	486109	8.52	416921	11.35
TB	310521	7.59	463401	8.52	392505	11.35
VN0430WBL01	313563	7.59	466573	8.52	401232	11.35
VN0430WBS01	291400	7.59	433227	8.52	396387	11.35

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG NO.: M2137
 Lab File ID: VN066903.D Date Analyzed: 04/30/2021
 Instrument ID: MSVOA_N Time Analyzed: 12:02
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	219739	13.287				
UPPER LIMIT	439478	13.787				
LOWER LIMIT	109870	12.787				
EPA SAMPLE NO.						
152140-MW-1D(OFFSITE)	149676	13.29				
TB	136851	13.29				
VN0430WBL01	163970	13.29				
VN0430WBS01	190274	13.29				

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:	VN0428WBL02		SDG No.:	M2137
Lab Sample ID:	VN0428WBL02		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
VN066829.D	1		04/28/21 22:40	VN042821

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:	VN0428WBL02		SDG No.:	M2137	
Lab Sample ID:	VN0428WBL02		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
VN066829.D	1		04/28/21 22:40	VN042821

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	42.4		78 - 117	85%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.5		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.3		83 - 123	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	307000	7.591			
540-36-3	1,4-Difluorobenzene	463000	8.519			
3114-55-4	Chlorobenzene-d5	412000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0428WBL02		SDG No.:	M2137
Lab Sample ID:	VN0428WBL02		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
VN066829.D	1		04/28/21 22:40	VN042821

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:	VN0429WBL01		SDG No.:	M2137	
Lab Sample ID:	VN0429WBL01		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
VN066855.D	1		04/29/21 11:34	VN042921

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:	VN0429WBL01		SDG No.:	M2137	
Lab Sample ID:	VN0429WBL01		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
VN066855.D	1		04/29/21 11:34	VN042921

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	44.9		78 - 117	90%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	52.2		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		83 - 123	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	292000	7.591			
540-36-3	1,4-Difluorobenzene	442000	8.519			
3114-55-4	Chlorobenzene-d5	391000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0429WBL01		SDG No.:	M2137
Lab Sample ID:	VN0429WBL01		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
VN066855.D	1		04/29/21 11:34	VN042921

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:	VN0429WBL02		SDG No.:	M2137	
Lab Sample ID:	VN0429WBL02		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
VN066880.D	1		04/29/21 23:16	VN042921

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:	VN0429WBL02		SDG No.:	M2137
Lab Sample ID:	VN0429WBL02		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
VN066880.D	1		04/29/21 23:16	VN042921

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	45.9		78 - 117	92%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	52.6		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		83 - 123	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	344000	7.591			
540-36-3	1,4-Difluorobenzene	521000	8.519			
3114-55-4	Chlorobenzene-d5	448000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0429WBL02		SDG No.:	M2137
Lab Sample ID:	VN0429WBL02		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
VN066880.D	1		04/29/21 23:16	VN042921

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:	VN0430WBL01		SDG No.:	M2137
Lab Sample ID:	VN0430WBL01		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
VN066905.D	1		04/30/21 13:01	VN043021

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:	VN0430WBL01		SDG No.:	M2137
Lab Sample ID:	VN0430WBL01		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
VN066905.D	1		04/30/21 13:01	VN043021

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	43.7		78 - 117	87%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		75 - 124	110%	SPK: 50
2037-26-5	Toluene-d8	52.9		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		83 - 123	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	7.591			
540-36-3	1,4-Difluorobenzene	467000	8.519			
3114-55-4	Chlorobenzene-d5	401000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0430WBL01		SDG No.:	M2137
Lab Sample ID:	VN0430WBL01		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
VN066905.D	1		04/30/21 13:01	VN043021

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:	VN0428WBS02		SDG No.:	M2137
Lab Sample ID:	VN0428WBS02		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
VN066830.D	1		04/28/21 23:04	VN042821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		0.23	1.00	ug/L
74-87-3	Chloromethane	18.8		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.19	1.00	ug/L
74-83-9	Bromomethane	18.7		0.87	5.00	ug/L
75-00-3	Chloroethane	18.4		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.26	1.00	ug/L
67-64-1	Acetone	78.8		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.1		0.22	1.00	ug/L
79-20-9	Methyl Acetate	18.4		0.47	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.21	1.00	ug/L
110-82-7	Cyclohexane	16.0		1.30	5.00	ug/L
78-93-3	2-Butanone	86.2		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.22	1.00	ug/L
74-97-5	Bromochloromethane	17.3		0.26	1.00	ug/L
67-66-3	Chloroform	18.3		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.8		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.14	1.00	ug/L
71-43-2	Benzene	19.1		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.1		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		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	90.5		0.87	5.00	ug/L
108-88-3	Toluene	19.3		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.4		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.8		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:	VN0428WBS02		SDG No.:	M2137
Lab Sample ID:	VN0428WBS02		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
VN066830.D	1		04/28/21 23:04	VN042821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.4		0.24	1.00	ug/L
591-78-6	2-Hexanone	84.9		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	18.0		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	38.1		0.32	2.00	ug/L
95-47-6	o-Xylene	18.3		0.19	1.00	ug/L
100-42-5	Styrene	17.8		0.16	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.9		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.3		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.6		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.2		78 - 117	88%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.2		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		83 - 123	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	280000	7.591			
540-36-3	1,4-Difluorobenzene	443000	8.519			
3114-55-4	Chlorobenzene-d5	412000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	193000	13.288			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0428WBS02		SDG No.:	M2137
Lab Sample ID:	VN0428WBS02		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
VN066830.D	1		04/28/21 23:04	VN042821

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:	VN0429WBS01		SDG No.:	M2137
Lab Sample ID:	VN0429WBS01		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
VN066856.D	1		04/29/21 12:04	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.23	1.00	ug/L
74-87-3	Chloromethane	17.8		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.19	1.00	ug/L
74-83-9	Bromomethane	18.1		0.87	5.00	ug/L
75-00-3	Chloroethane	17.9		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.26	1.00	ug/L
67-64-1	Acetone	85.7		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	15.7		0.22	1.00	ug/L
79-20-9	Methyl Acetate	16.3		0.47	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.0		0.21	1.00	ug/L
110-82-7	Cyclohexane	15.4		1.30	5.00	ug/L
78-93-3	2-Butanone	78.6		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.1		0.22	1.00	ug/L
74-97-5	Bromochloromethane	16.7		0.26	1.00	ug/L
67-66-3	Chloroform	17.1		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.4		0.14	1.00	ug/L
71-43-2	Benzene	19.3		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.4		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.3		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	84.6		0.87	5.00	ug/L
108-88-3	Toluene	19.8		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	18.8		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:	VN0429WBS01		SDG No.:	M2137
Lab Sample ID:	VN0429WBS01		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
VN066856.D	1		04/29/21 12:04	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.4		0.24	1.00	ug/L
591-78-6	2-Hexanone	79.6		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.3		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	39.4		0.32	2.00	ug/L
95-47-6	o-Xylene	18.8		0.19	1.00	ug/L
100-42-5	Styrene	18.4		0.16	1.00	ug/L
75-25-2	Bromoform	20.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.4		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.4		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.5		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.8		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.3		78 - 117	81%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.3		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	308000	7.588			
540-36-3	1,4-Difluorobenzene	457000	8.516			
3114-55-4	Chlorobenzene-d5	418000	11.349			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.288			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0429WBS01		SDG No.:	M2137
Lab Sample ID:	VN0429WBS01		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
VN066856.D	1		04/29/21 12:04	VN042921

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:	VN0429WBS02		SDG No.:	M2137
Lab Sample ID:	VN0429WBS02		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
VN066881.D	1		04/29/21 23:40	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.9		0.23	1.00	ug/L
74-87-3	Chloromethane	18.3		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	18.5		0.19	1.00	ug/L
74-83-9	Bromomethane	19.0		0.87	5.00	ug/L
75-00-3	Chloroethane	18.5		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.26	1.00	ug/L
67-64-1	Acetone	75.0		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	16.3		0.22	1.00	ug/L
79-20-9	Methyl Acetate	17.8		0.47	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.5		0.21	1.00	ug/L
110-82-7	Cyclohexane	14.9		1.30	5.00	ug/L
78-93-3	2-Butanone	81.1		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	17.9		0.22	1.00	ug/L
74-97-5	Bromochloromethane	16.5		0.26	1.00	ug/L
67-66-3	Chloroform	18.1		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.5		0.14	1.00	ug/L
71-43-2	Benzene	19.5		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.4		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.2		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	19.4		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	88.7		0.87	5.00	ug/L
108-88-3	Toluene	19.6		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.2		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.0		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:	VN0429WBS02		SDG No.:	M2137
Lab Sample ID:	VN0429WBS02		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
VN066881.D	1		04/29/21 23:40	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	21.3		0.24	1.00	ug/L
591-78-6	2-Hexanone	80.4		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	17.9		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	38.1		0.32	2.00	ug/L
95-47-6	o-Xylene	18.3		0.19	1.00	ug/L
100-42-5	Styrene	17.9		0.16	1.00	ug/L
75-25-2	Bromoform	21.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.8		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		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	18.9		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.6		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.9		78 - 117	86%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	51.2		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		83 - 123	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	270000	7.591			
540-36-3	1,4-Difluorobenzene	413000	8.519			
3114-55-4	Chlorobenzene-d5	382000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.29			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0429WBS02		SDG No.:	M2137
Lab Sample ID:	VN0429WBS02		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
VN066881.D	1		04/29/21 23:40	VN042921

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:	VN0430WBS01		SDG No.:	M2137
Lab Sample ID:	VN0430WBS01		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
VN066906.D	1		04/30/21 13:31	VN043021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.5		0.23	1.00	ug/L
74-87-3	Chloromethane	17.2		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	17.8		0.19	1.00	ug/L
74-83-9	Bromomethane	18.2		0.87	5.00	ug/L
75-00-3	Chloroethane	17.6		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.26	1.00	ug/L
67-64-1	Acetone	67.1		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	16.3		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	16.2		0.22	1.00	ug/L
79-20-9	Methyl Acetate	16.1		0.47	1.00	ug/L
75-09-2	Methylene Chloride	17.4		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.7		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	16.9		0.21	1.00	ug/L
110-82-7	Cyclohexane	15.1		1.30	5.00	ug/L
78-93-3	2-Butanone	73.2		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.5		0.22	1.00	ug/L
74-97-5	Bromochloromethane	15.8		0.26	1.00	ug/L
67-66-3	Chloroform	17.2		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.14	1.00	ug/L
71-43-2	Benzene	19.2		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	16.9		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.5		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.8		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	82.2		0.87	5.00	ug/L
108-88-3	Toluene	19.7		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	18.8		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:	VN0430WBS01		SDG No.:	M2137	
Lab Sample ID:	VN0430WBS01		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
VN066906.D	1		04/30/21 13:31	VN043021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.4		0.24	1.00	ug/L
591-78-6	2-Hexanone	75.6		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.3		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.32	2.00	ug/L
95-47-6	o-Xylene	19.2		0.19	1.00	ug/L
100-42-5	Styrene	18.3		0.16	1.00	ug/L
75-25-2	Bromoform	21.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		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	18.8		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	16.2		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	20.0		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.2		78 - 117	80%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.1		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		83 - 123	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	291000	7.588			
540-36-3	1,4-Difluorobenzene	433000	8.516			
3114-55-4	Chlorobenzene-d5	396000	11.349			
3855-82-1	1,4-Dichlorobenzene-d4	190000	13.288			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0430WBS01		SDG No.:	M2137
Lab Sample ID:	VN0430WBS01		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
VN066906.D	1		04/30/21 13:31	VN043021

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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(OFFSITE)MS	SDG No.:	M2137
Lab Sample ID:	M2137-18MS	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
VN066899.D	1		04/30/21 06:53	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	43.9		0.23	1.00	ug/L
74-87-3	Chloromethane	48.1		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	49.9		0.19	1.00	ug/L
74-83-9	Bromomethane	49.0		0.87	5.00	ug/L
75-00-3	Chloroethane	49.8		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	49.0		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	46.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	48.5		0.26	1.00	ug/L
67-64-1	Acetone	200		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	45.5		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	47.3		0.22	1.00	ug/L
79-20-9	Methyl Acetate	36.5		0.47	1.00	ug/L
75-09-2	Methylene Chloride	49.3		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	49.9		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	47.7		0.21	1.00	ug/L
110-82-7	Cyclohexane	40.6		1.30	5.00	ug/L
78-93-3	2-Butanone	220		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	52.3		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	50.0		0.22	1.00	ug/L
74-97-5	Bromochloromethane	45.0		0.26	1.00	ug/L
67-66-3	Chloroform	49.0		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	48.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	45.7		0.14	1.00	ug/L
71-43-2	Benzene	52.5		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	46.8		0.25	1.00	ug/L
79-01-6	Trichloroethene	54.0		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.9		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	51.7		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	240		0.87	5.00	ug/L
108-88-3	Toluene	53.4		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	47.4		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	46.5		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(OFFSITE)MS	SDG No.:	M2137
Lab Sample ID:	M2137-18MS	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
VN066899.D	1		04/30/21 06:53	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	56.7		0.24	1.00	ug/L
591-78-6	2-Hexanone	210		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	58.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	57.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	51.8		0.17	1.00	ug/L
108-90-7	Chlorobenzene	52.4		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	110		0.32	2.00	ug/L
95-47-6	o-Xylene	52.4		0.19	1.00	ug/L
100-42-5	Styrene	46.8		0.16	1.00	ug/L
75-25-2	Bromoform	60.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	48.5		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	49.3		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	49.0		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	50.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	44.6		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	49.6		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.7		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.4		78 - 117	85%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	50.7		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	273000	7.591			
540-36-3	1,4-Difluorobenzene	423000	8.519			
3114-55-4	Chlorobenzene-d5	406000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.288			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(OFFSITE)MS		SDG No.:	M2137
Lab Sample ID:	M2137-18MS		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
VN066899.D	1		04/30/21 06:53	VN042921

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:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(OFFSITE)MSD	SDG No.:	M2137
Lab Sample ID:	M2137-19MSD	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
VN066900.D	1		04/30/21 07:17	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	44.6		0.23	1.00	ug/L
74-87-3	Chloromethane	49.5		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	52.2		0.19	1.00	ug/L
74-83-9	Bromomethane	50.4		0.87	5.00	ug/L
75-00-3	Chloroethane	49.7		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	49.0		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	45.9		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	48.5		0.26	1.00	ug/L
67-64-1	Acetone	200		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	45.8		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	46.5		0.22	1.00	ug/L
79-20-9	Methyl Acetate	34.7		0.47	1.00	ug/L
75-09-2	Methylene Chloride	48.6		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	49.7		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	47.1		0.21	1.00	ug/L
110-82-7	Cyclohexane	41.0		1.30	5.00	ug/L
78-93-3	2-Butanone	220		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	51.7		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	49.9		0.22	1.00	ug/L
74-97-5	Bromochloromethane	44.5		0.26	1.00	ug/L
67-66-3	Chloroform	48.1		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	47.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	46.8		0.14	1.00	ug/L
71-43-2	Benzene	52.2		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	46.2		0.25	1.00	ug/L
79-01-6	Trichloroethene	55.0		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.4		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	51.8		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	240		0.87	5.00	ug/L
108-88-3	Toluene	54.2		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	47.6		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	46.8		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/19/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(OFFSITE)MSD	SDG No.:	M2137
Lab Sample ID:	M2137-19MSD	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
VN066900.D	1		04/30/21 07:17	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	56.5		0.24	1.00	ug/L
591-78-6	2-Hexanone	210		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	58.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	56.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	53.8		0.17	1.00	ug/L
108-90-7	Chlorobenzene	53.4		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	51.8		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.32	2.00	ug/L
95-47-6	o-Xylene	53.8		0.19	1.00	ug/L
100-42-5	Styrene	48.1		0.16	1.00	ug/L
75-25-2	Bromoform	60.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	50.4		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.5		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	53.5		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	52.0		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.4		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	45.9		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	55.7		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	57.5		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.7		78 - 117	85%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.4		92 - 112	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		83 - 123	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	280000	7.591			
540-36-3	1,4-Difluorobenzene	433000	8.519			
3114-55-4	Chlorobenzene-d5	408000	11.348			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.287			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(OFFSITE)MSD		SDG No.:	M2137
Lab Sample ID:	M2137-19MSD		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
VN066900.D	1		04/30/21 07:17	VN042921

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Calibration Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN066772.D	RRF005 = VN066773.D	RRF020 = VN066774.D	RRF050 = VN066775.D	RRF100 = VN066776.D	RRF040 = VN066779.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF040	RRF	% RSD	
Dichlorodifluoromethane	0.483	0.595	0.515	0.560	0.579	0.518	0.542	8	
Chloromethane	0.793	0.781	0.647	0.695	0.717	0.635	0.711	9.3	
Vinyl Chloride	0.650	0.754	0.654	0.712	0.742	0.655	0.695	6.9	
Bromomethane		0.507	0.426	0.453	0.456	0.425	0.453	7.3	
Chloroethane	0.397	0.490	0.418	0.442	0.434	0.413	0.432	7.5	
Trichlorofluoromethane	0.791	0.926	0.787	0.840	0.876	0.793	0.835	6.8	
1,1,2-Trichlorotrifluoroethane	0.466	0.548	0.463	0.497	0.515	0.477	0.494	6.7	
1,1-Dichloroethene	0.456	0.549	0.470	0.516	0.539	0.472	0.500	7.9	
Acetone	0.267	0.241	0.201	0.236	0.242	0.267	0.242	10	
Carbon Disulfide	1.482	1.652	1.433	1.562	1.634	1.449	1.535	6.2	
Methyl tert-butyl Ether	1.579	1.794	1.605	1.786	1.874	1.642	1.714	7	
Methyl Acetate	1.072	0.776	0.584	0.653	0.673	0.585	0.724	25.5	
Methylene Chloride	0.619	0.692	0.560	0.611	0.639	0.563	0.614	8.1	
trans-1,2-Dichloroethene	0.461	0.583	0.512	0.563	0.590	0.521	0.538	9.2	
1,1-Dichloroethane	0.921	1.152	0.984	1.077	1.117	0.982	1.039	8.7	
Cyclohexane		1.165	0.893	0.979	1.018	0.912	0.993	10.9	
2-Butanone	0.280	0.350	0.308	0.367	0.387	0.353	0.341	11.7	
Carbon Tetrachloride	0.412	0.477	0.408	0.463	0.482	0.432	0.446	7.3	
cis-1,2-Dichloroethene	0.552	0.673	0.584	0.651	0.678	0.596	0.623	8.4	
Bromochloromethane	0.422	0.505	0.448	0.480	0.530	0.474	0.477	8.1	
Chloroform	0.895	1.109	0.960	1.043	1.082	0.961	1.008	8.2	
1,1,1-Trichloroethane	0.820	0.912	0.808	0.888	0.929	0.814	0.862	6.3	
Methylcyclohexane	0.444	0.550	0.516	0.586	0.624	0.578	0.550	11.5	
Benzene	1.266	1.514	1.367	1.514	1.567	1.424	1.442	7.8	
1,2-Dichloroethane	0.441	0.512	0.455	0.509	0.528	0.477	0.487	7.2	
Trichloroethene	0.299	0.375	0.329	0.369	0.385	0.349	0.351	9.3	
1,2-Dichloropropane	0.351	0.405	0.360	0.400	0.420	0.374	0.385	7.1	
Bromodichloromethane	0.422	0.519	0.462	0.519	0.548	0.486	0.493	9.2	
4-Methyl-2-Pentanone	0.289	0.428	0.404	0.483	0.507	0.445	0.426	18	
Toluene	0.736	0.887	0.826	0.923	0.958	0.873	0.867	9	
t-1,3-Dichloropropene	0.411	0.518	0.493	0.578	0.618	0.545	0.527	13.6	
cis-1,3-Dichloropropene	0.495	0.582	0.559	0.635	0.672	0.601	0.591	10.4	
1,1,2-Trichloroethane	0.271	0.347	0.317	0.357	0.371	0.336	0.333	10.7	

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Calibration Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN066772.D	RRF005 = VN066773.D	RRF020 = VN066774.D	RRF050 = VN066775.D	RRF100 = VN066776.D	RRF040 = VN066779.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF040	RRF	% RSD
2-Hexanone	0.089	0.203	0.243	0.322	0.358	0.304	0.253	38.7
Dibromochloromethane	0.293	0.365	0.342	0.396	0.414	0.367	0.363	11.6
1,2-Dibromoethane	0.249	0.338	0.321	0.368	0.386	0.342	0.334	14.3
Tetrachloroethene	0.317	0.350	0.310	0.336	0.346	0.325	0.331	4.8
Chlorobenzene	0.879	1.068	0.949	1.051	1.092	0.995	1.006	8.1
Ethyl Benzene	1.379	1.771	1.696	1.914	2.004	1.819	1.764	12.3
m/p-Xylenes	0.437	0.649	0.631	0.716	0.757	0.693	0.647	17.4
o-Xylene	0.492	0.670	0.617	0.697	0.734	0.666	0.646	13.1
Styrene	0.643	0.835	0.943	1.133	1.235	1.067	0.976	22.1
Bromoform	0.182	0.266	0.253	0.310	0.335	0.284	0.272	19.5
Isopropylbenzene	3.005	3.932	3.658	3.894	3.921	3.581	3.665	9.7
1,1,2,2-Tetrachloroethane	1.049	1.360	1.172	1.253	1.242	1.160	1.206	8.7
1,3-Dichlorobenzene	1.342	1.530	1.469	1.633	1.722	1.529	1.537	8.5
1,4-Dichlorobenzene	1.771	1.627	1.468	1.599	1.757	1.582	1.634	7
1,2-Dichlorobenzene	1.405	1.663	1.495	1.609	1.658	1.520	1.558	6.6
1,2-Dibromo-3-Chloropropane	0.209	0.284	0.183	0.211	0.220	0.190	0.216	16.6
1,2,4-Trichlorobenzene	0.698	0.842	0.792	0.943	1.004	0.900	0.863	12.7
1,2,3-Trichlorobenzene	0.739	0.861	0.768	0.872	0.934	0.833	0.834	8.6
1,2-Dichloroethane-d4		0.702	0.596	0.628	0.676	0.611	0.642	6.9
Dibromofluoromethane		0.323	0.281	0.308	0.331	0.301	0.309	6.3
Toluene-d8		1.276	1.112	1.190	1.287	1.193	1.211	5.9
4-Bromofluorobenzene		0.380	0.362	0.418	0.468	0.421	0.410	10

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date/Time: 04/28/2021 21:52
 Lab File ID: VN066828.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.542	0.512		-5.53	20
Chloromethane	0.711	0.703	0.1	-1.13	20
Vinyl Chloride	0.695	0.700		0.72	20
Bromomethane	0.453	0.437		-3.53	20
Chloroethane	0.432	0.407		-5.79	20
Trichlorofluoromethane	0.835	0.814		-2.52	20
1,1,2-Trichlorotrifluoroethane	0.494	0.478		-3.24	20
1,1-Dichloroethene	0.500	0.490		-2	20
Acetone	0.242	0.211		-12.81	20
Carbon Disulfide	1.535	1.469		-4.3	20
Methyl tert-butyl Ether	1.714	1.641		-4.26	20
Methyl Acetate	0.724	0.616		-14.92	20
Methylene Chloride	0.614	0.611		-0.49	20
trans-1,2-Dichloroethene	0.538	0.546		1.49	20
1,1-Dichloroethane	1.039	1.007	0.1	-3.08	20
Cyclohexane	0.993	0.873		-12.09	20
2-Butanone	0.341	0.338		-0.88	20
Carbon Tetrachloride	0.446	0.463		3.81	20
cis-1,2-Dichloroethene	0.623	0.628		0.8	20
Bromochloromethane	0.477	0.431		-9.64	20
Chloroform	1.008	0.988		-1.98	20
1,1,1-Trichloroethane	0.862	0.830		-3.71	20
Methylcyclohexane	0.550	0.555		0.91	20
Benzene	1.442	1.529		6.03	20
1,2-Dichloroethane	0.487	0.464		-4.72	20
Trichloroethene	0.351	0.383		9.12	20
1,2-Dichloropropane	0.385	0.405		5.2	20
Bromodichloromethane	0.493	0.516		4.66	20
4-Methyl-2-Pentanone	0.426	0.461		8.22	20
Toluene	0.867	0.948		9.34	20
t-1,3-Dichloropropene	0.527	0.549		4.18	20
cis-1,3-Dichloropropene	0.591	0.617		4.4	20
1,1,2-Trichloroethane	0.333	0.381		14.41	20
2-Hexanone	0.253	0.314		24.11	20
Dibromochloromethane	0.363	0.419		15.43	20
1,2-Dibromoethane	0.334	0.392		17.36	20
Tetrachloroethene	0.331	0.352		6.34	20
Chlorobenzene	1.006	1.063	0.3	5.67	20
Ethyl Benzene	1.764	1.855		5.16	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date/Time: 04/28/2021 21:52
 Lab File ID: VN066828.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.647	0.724		11.9	20
o-Xylene	0.646	0.703		8.82	20
Styrene	0.976	1.159		18.75	20
Bromoform	0.272	0.334	0.1	22.79	20
Isopropylbenzene	3.665	3.686		0.57	20
1,1,2,2-Tetrachloroethane	1.206	1.261	0.3	4.56	20
1,3-Dichlorobenzene	1.537	1.676		9.04	20
1,4-Dichlorobenzene	1.634	1.687		3.24	20
1,2-Dichlorobenzene	1.558	1.672		7.32	20
1,2-Dibromo-3-Chloropropane	0.216	0.204		-5.56	20
1,2,4-Trichlorobenzene	0.863	0.949		9.97	20
1,2,3-Trichlorobenzene	0.834	0.910		9.11	20
1,2-Dichloroethane-d4	0.642	0.554		-13.71	20
Dibromofluoromethane	0.309	0.320		3.56	20
Toluene-d8	1.211	1.233		1.82	20
4-Bromofluorobenzene	0.410	0.453		10.49	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date/Time: 04/29/2021 09:58
 Lab File ID: VN066853.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.542	0.490		-9.59	20
Chloromethane	0.711	0.641	0.1	-9.85	20
Vinyl Chloride	0.695	0.655		-5.76	20
Bromomethane	0.453	0.414		-8.61	20
Chloroethane	0.432	0.398		-7.87	20
Trichlorofluoromethane	0.835	0.781		-6.47	20
1,1,2-Trichlorotrifluoroethane	0.494	0.475		-3.85	20
1,1-Dichloroethene	0.500	0.460		-8	20
Acetone	0.242	0.245		1.24	20
Carbon Disulfide	1.535	1.385		-9.77	20
Methyl tert-butyl Ether	1.714	1.480		-13.65	20
Methyl Acetate	0.724	0.521		-28.04	20
Methylene Chloride	0.614	0.555		-9.61	20
trans-1,2-Dichloroethene	0.538	0.515		-4.28	20
1,1-Dichloroethane	1.039	0.932	0.1	-10.3	20
Cyclohexane	0.993	0.820		-17.42	20
2-Butanone	0.341	0.304		-10.85	20
Carbon Tetrachloride	0.446	0.471		5.61	20
cis-1,2-Dichloroethene	0.623	0.584		-6.26	20
Bromochloromethane	0.477	0.399		-16.35	20
Chloroform	1.008	0.921		-8.63	20
1,1,1-Trichloroethane	0.862	0.777		-9.86	20
Methylcyclohexane	0.550	0.596		8.36	20
Benzene	1.442	1.549		7.42	20
1,2-Dichloroethane	0.487	0.463		-4.93	20
Trichloroethene	0.351	0.395		12.54	20
1,2-Dichloropropane	0.385	0.407		5.71	20
Bromodichloromethane	0.493	0.521		5.68	20
4-Methyl-2-Pentanone	0.426	0.415		-2.58	20
Toluene	0.867	0.954		10.03	20
t-1,3-Dichloropropene	0.527	0.561		6.45	20
cis-1,3-Dichloropropene	0.591	0.638		7.95	20
1,1,2-Trichloroethane	0.333	0.377		13.21	20
2-Hexanone	0.253	0.283		11.86	20
Dibromochloromethane	0.363	0.420		15.7	20
1,2-Dibromoethane	0.334	0.380		13.77	20
Tetrachloroethene	0.331	0.376		13.6	20
Chlorobenzene	1.006	1.079	0.3	7.26	20
Ethyl Benzene	1.764	1.888		7.03	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date/Time: 04/29/2021 09:58
 Lab File ID: VN066853.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.647	0.736		13.76	20
o-Xylene	0.646	0.701		8.51	20
Styrene	0.976	1.153		18.14	20
Bromoform	0.272	0.325	0.1	19.49	20
Isopropylbenzene	3.665	3.592		-1.99	20
1,1,2,2-Tetrachloroethane	1.206	1.135	0.3	-5.89	20
1,3-Dichlorobenzene	1.537	1.645		7.03	20
1,4-Dichlorobenzene	1.634	1.679		2.75	20
1,2-Dichlorobenzene	1.558	1.635		4.94	20
1,2-Dibromo-3-Chloropropane	0.216	0.177		-18.06	20
1,2,4-Trichlorobenzene	0.863	0.954		10.55	20
1,2,3-Trichlorobenzene	0.834	0.900		7.91	20
1,2-Dichloroethane-d4	0.642	0.514		-19.94	20
Dibromofluoromethane	0.309	0.328		6.15	20
Toluene-d8	1.211	1.265		4.46	20
4-Bromofluorobenzene	0.410	0.450		9.76	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date/Time: 04/29/2021 22:28
 Lab File ID: VN066879.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.542	0.502		-7.38	20
Chloromethane	0.711	0.683	0.1	-3.94	20
Vinyl Chloride	0.695	0.691		-0.58	20
Bromomethane	0.453	0.439		-3.09	20
Chloroethane	0.432	0.427		-1.16	20
Trichlorofluoromethane	0.835	0.824		-1.32	20
1,1,2-Trichlorotrifluoroethane	0.494	0.479		-3.04	20
1,1-Dichloroethene	0.500	0.478		-4.4	20
Acetone	0.242	0.195		-19.42	20
Carbon Disulfide	1.535	1.425		-7.17	20
Methyl tert-butyl Ether	1.714	1.576		-8.05	20
Methyl Acetate	0.724	0.574		-20.72	20
Methylene Chloride	0.614	0.603		-1.79	20
trans-1,2-Dichloroethene	0.538	0.535		-0.56	20
1,1-Dichloroethane	1.039	0.981	0.1	-5.58	20
Cyclohexane	0.993	0.814		-18.03	20
2-Butanone	0.341	0.307		-9.97	20
Carbon Tetrachloride	0.446	0.482		8.07	20
cis-1,2-Dichloroethene	0.623	0.611		-1.93	20
Bromochloromethane	0.477	0.431		-9.64	20
Chloroform	1.008	0.981		-2.68	20
1,1,1-Trichloroethane	0.862	0.820		-4.87	20
Methylcyclohexane	0.550	0.554		0.73	20
Benzene	1.442	1.559		8.11	20
1,2-Dichloroethane	0.487	0.465		-4.52	20
Trichloroethene	0.351	0.391		11.4	20
1,2-Dichloropropane	0.385	0.413		7.27	20
Bromodichloromethane	0.493	0.535		8.52	20
4-Methyl-2-Pentanone	0.426	0.443		3.99	20
Toluene	0.867	0.970		11.88	20
t-1,3-Dichloropropene	0.527	0.548		3.98	20
cis-1,3-Dichloropropene	0.591	0.619		4.74	20
1,1,2-Trichloroethane	0.333	0.391		17.42	20
2-Hexanone	0.253	0.292		15.41	20
Dibromochloromethane	0.363	0.442		21.76	20
1,2-Dibromoethane	0.334	0.397		18.86	20
Tetrachloroethene	0.331	0.363		9.67	20
Chlorobenzene	1.006	1.067	0.3	6.06	20
Ethyl Benzene	1.764	1.833		3.91	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date/Time: 04/29/2021 22:28
 Lab File ID: VN066879.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.647	0.716		10.66	20
o-Xylene	0.646	0.692		7.12	20
Styrene	0.976	1.137		16.5	20
Bromoform	0.272	0.336	0.1	23.53	20
Isopropylbenzene	3.665	3.643		-0.6	20
1,1,2,2-Tetrachloroethane	1.206	1.238	0.3	2.65	20
1,3-Dichlorobenzene	1.537	1.646		7.09	20
1,4-Dichlorobenzene	1.634	1.674		2.45	20
1,2-Dichlorobenzene	1.558	1.656		6.29	20
1,2-Dibromo-3-Chloropropane	0.216	0.198		-8.33	20
1,2,4-Trichlorobenzene	0.863	0.918		6.37	20
1,2,3-Trichlorobenzene	0.834	0.906		8.63	20
1,2-Dichloroethane-d4	0.642	0.540		-15.89	20
Dibromofluoromethane	0.309	0.331		7.12	20
Toluene-d8	1.211	1.269		4.79	20
4-Bromofluorobenzene	0.410	0.451		10	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date/Time: 04/30/2021 12:02
 Lab File ID: VN066903.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.542	0.485		-10.52	20
Chloromethane	0.711	0.658	0.1	-7.45	20
Vinyl Chloride	0.695	0.682		-1.87	20
Bromomethane	0.453	0.436		-3.75	20
Chloroethane	0.432	0.412		-4.63	20
Trichlorofluoromethane	0.835	0.808		-3.23	20
1,1,2-Trichlorotrifluoroethane	0.494	0.478		-3.24	20
1,1-Dichloroethene	0.500	0.472		-5.6	20
Acetone	0.242	0.209		-13.64	20
Carbon Disulfide	1.535	1.350		-12.05	20
Methyl tert-butyl Ether	1.714	1.509		-11.96	20
Methyl Acetate	0.724	0.516		-28.73	20
Methylene Chloride	0.614	0.569		-7.33	20
trans-1,2-Dichloroethene	0.538	0.517		-3.9	20
1,1-Dichloroethane	1.039	0.924	0.1	-11.07	20
Cyclohexane	0.993	0.820		-17.42	20
2-Butanone	0.341	0.282		-17.3	20
Carbon Tetrachloride	0.446	0.460		3.14	20
cis-1,2-Dichloroethene	0.623	0.590		-5.3	20
Bromochloromethane	0.477	0.401		-15.93	20
Chloroform	1.008	0.917		-9.03	20
1,1,1-Trichloroethane	0.862	0.774		-10.21	20
Methylcyclohexane	0.550	0.594		8	20
Benzene	1.442	1.491		3.4	20
1,2-Dichloroethane	0.487	0.440		-9.65	20
Trichloroethene	0.351	0.394		12.25	20
1,2-Dichloropropane	0.385	0.387		0.52	20
Bromodichloromethane	0.493	0.505		2.43	20
4-Methyl-2-Pentanone	0.426	0.386		-9.39	20
Toluene	0.867	0.954		10.03	20
t-1,3-Dichloropropene	0.527	0.557		5.69	20
cis-1,3-Dichloropropene	0.591	0.629		6.43	20
1,1,2-Trichloroethane	0.333	0.365		9.61	20
2-Hexanone	0.253	0.263		3.95	20
Dibromochloromethane	0.363	0.419		15.43	20
1,2-Dibromoethane	0.334	0.377		12.87	20
Tetrachloroethene	0.331	0.378		14.2	20
Chlorobenzene	1.006	1.093	0.3	8.65	20
Ethyl Benzene	1.764	1.891		7.2	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2137 SAS No.: M2137 SDG No.: M2137
 Instrument ID: MSVOA_N Calibration Date/Time: 04/30/2021 12:02
 Lab File ID: VN066903.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.647	0.740		14.37	20
o-Xylene	0.646	0.711		10.06	20
Styrene	0.976	1.174		20.29	20
Bromoform	0.272	0.321	0.1	18.01	20
Isopropylbenzene	3.665	3.692		0.74	20
1,1,2,2-Tetrachloroethane	1.206	1.136	0.3	-5.8	20
1,3-Dichlorobenzene	1.537	1.692		10.09	20
1,4-Dichlorobenzene	1.634	1.754		7.34	20
1,2-Dichlorobenzene	1.558	1.654		6.16	20
1,2-Dibromo-3-Chloropropane	0.216	0.184		-14.81	20
1,2,4-Trichlorobenzene	0.863	1.044		20.97	20
1,2,3-Trichlorobenzene	0.834	0.977		17.15	20
1,2-Dichloroethane-d4	0.642	0.525		-18.22	20
Dibromofluoromethane	0.309	0.325		5.18	20
Toluene-d8	1.211	1.267		4.62	20
4-Bromofluorobenzene	0.410	0.465		13.41	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

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: EA Engineering
 ADDRESS: 269 W. Jefferson St.
 CITY: Syracuse STATE: NY ZIP: 13202
 ATTENTION: Emily Cummings
 PHONE: 315-431-4610 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: National Heatset
 PROJECT NO.: 1602518 LOCATION: Babylon, NY
 PROJECT MANAGER: Megan Miller
 e-mail: mmiller@eaest.com
 PHONE: 315-565-6557 FAX:

CLIENT BILLING INFORMATION

BILL TO: Accounts Payable PO#:
 email: Northeast AP@eaest.com
 ADDRESS: Northeast AP@eaest.com
 CITY: STATE: ZIP:
 ATTENTION: Melanie Dina PHONE: 845 565 8100 x1900

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
 HARDCOPY (DATA PACKAGE): STD _____ DAYS*
 EDD: STD _____ 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) ☐ NYS ASP A ☐ NYS ASP B
 + Raw Data ☒ Other: Full Cat B
☒ EDD FORMAT: Egnis 4 file NYSDEC

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		A										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
																			1
1.	152140 - MW-3S (offsite)	GW		X	4/19/21	1136	2	X											
2.	152140 - DDC-6-PS	↓		X	↓	1137	2	X											
3.	152140 - DDC-6-PD			X		1203	2	X											
4.	152140 - MW-3D (offsite)			X		1208	2	X											
5.	152140 - DDC-5-PS			X		1242	2	X											
6.	152140 - DDC-5-PD			X		1246	2	X											
7.	152140 - DDC-10-PD			X		1337	2	X											
8.	152140 - MW-2S (offsite)			X		1400	2	X											
9.	152140 - DDC-10-PS			X		1402	2	X											
10.	152140 - MW-2D (offsite)		↓	X		↓	1433	2	X										

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 	DATE/TIME: 4/24/21 1000	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3-8 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME: 4-22-21	RECEIVED BY: 2.	Comments: IR-Gun #1
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page ____ of ____

 CLIENT: ☐ Hand Delivered ☒ Other _____
 CHEMTECH: ☐ Picked Up ☐ Field Sampling

 Shipment Complete
☒ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: EA Engineering

ADDRESS: See Page #1

CITY: See Page #1 STATE: ZIP:

ATTENTION:

PHONE: FAX:

PROJECT NAME:

PROJECT NO.: 1602518 LOCATION:

PROJECT MANAGER:

e-mail: See Page #1

PHONE: FAX:

BILL TO:

PO#:

ADDRESS: northeastap@earth.com

CITY: See Page #1 STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): STD DAYS*

EDD: STD 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) ☐ NYS ASP A ☐ NYS ASP B+ Raw Data ☒ Other Cat B Full☒ EDD FORMAT NYS Equals

PRESERVATIVES

COMMENTS

CHEMTECH
SAMPLE
IDPROJECT
SAMPLE IDENTIFICATIONSAMPLE
MATRIXSAMPLE
TYPE
COMP GRABSAMPLE
COLLECTION
DATE TIME

OF BOTTLES

A

1

2

3

4

5

6

7

8

9

← Specify Preservatives

A-HCl D-NaOH

B-HNO3 E-ICE

C-H2SO4 F-OTHER

1.

152140-DDC-8-PD

GLW

X

4/19/21

1439

2

X

2.

152140-DDC-8-PS

X

1504

2

X

3.

152140-DDC-7-PS

X

1529

2

X

4.

152140-DDC-9-PD

X

1537

2

X

5.

152140-DDC-7-PD

X

1551

2

X

6.

152140-DDC-9-PS

X

1558

2

X

7.

152140-MW-15 (offsite)

X

1635

6

X

MS/MSD

8.

152140-MW-35 (onsite)

X

1647

2

X

9.

152140-MW-1D (offsite)

X

1702

2

X

10.

152140-MW-65

X

1709

2

X

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

1.

4/21/21 1000

1.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3-8 °C

Comments:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

2.

4-22-21

2.

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

3.

3.

Page ____ of ____

CLIENT: ☐ Hand Delivered ☒ OtherCHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete

☒ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: EA Engineering

ADDRESS: See Page #1

CITY: STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: 1602518 LOCATION:

PROJECT MANAGER:

e-mail: See Page #1

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS: See Page #1

CITY: STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): STD DAYS*

EDD: STD 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) ☐ NYS ASP A ☐ NYS ASP B+ Raw Data ☒ Other Cat D Full

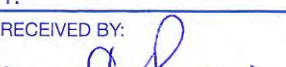
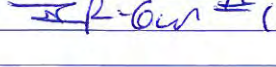
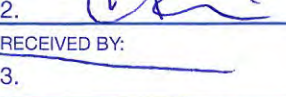
EDD FORMAT NYS Equis

PRESERVATIVES

COMMENTS

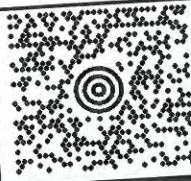
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	152140 - RB - 041921	DI	X		4/19/21	1734	2	X									
2.	152140 - RB - 042021	DI	X		4/20/21	1319	2	X									
3.	TB	DI			4/7/21		2	X									Lab Prepared
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: 4/21/2021/1000	RECEIVED BY: 1. 	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.8 °C
RELINQUISHED BY SAMPLER: 2. 	DATE/TIME: 4-22-21	RECEIVED BY: 2. 	Comments: 
RELINQUISHED BY SAMPLER: 3. 	DATE/TIME:	RECEIVED BY: 3. 	Page ____ of ____

 CLIENT: ☐ Hand Delivered ☒ Other
 CHEMTECH: ☐ Picked Up ☐ Field Sampling

 Shipment Complete
☒ YES ☐ NO

DAWN LAWLER 3155656563 EA ENGINEERING 269 W. JEFFERSON STREET SYRACUSE NY 13202		30 LBS	1 OF 1
		DWT: 24,18,18	
SHIP TO: CHEMTECH CONSULTING GROUP 284 SHEFFIELD STREET MOUNTAINSIDE NJ 07092-2319			
CL- 4.22.21 10.16 3.8"			
	NJ 078 9-61		M2137 M2138
UPS NEXT DAY AIR			1
TRACKING #: 1Z F02 748 NT 9811 1243			
			
BILLING: P/P ATTENTION UPS DRIVER: SHIPPER RELEASE			
Department Code: 2152 Project Phase AND Task: 1602518/0004/**** CS 22.6.13 WNT NV50 45.0A 04/2021*			

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	255420
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-18-00132
Texas	T104704488-20-13

Order ID : M2137 EAEN05	Order Date : 4/22/2021 10:46:00 AM	Project Mgr : Tyler
Client Name : EA Engineering Science & Technology	Project Name : NYSDEC - National Heatse	Report Type : NYS ASP B
Client Contact : Emily Cummings	Receive DateTime : 4/22/2021 10:16:00 AM	EDD Type : NYSDEC EDD V-4
Invoice Name : EA Engineering Science & Technology	Purchase Order :	Hard Copy Date :
Invoice Contact : Emily Cummings		Date Signoff : 4/22/2021 12:25:36 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
M2137-01	152140-MW-3S(OFFSITE)	Water	04/19/2021	11:36	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-02	152140-DDC-6-PS	Water	04/19/2021	11:37	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-03	152140-DDC-6-PD	Water	04/19/2021	12:03	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-04	152140-MW-3D(OFFSITE)	Water	04/19/2021	12:08	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-05	152140-DDC-5-PS	Water	04/19/2021	12:42	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-06	152140-DDC-5-PD	Water	04/19/2021	12:46	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-07	152140-DDC-10-PD	Water	04/19/2021	13:37	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-08	152140-MW-2S(OFFSITE)	Water	04/19/2021	14:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-09	152140-DDC-10-PS	Water	04/19/2021	14:02					

Order ID : M2137 EAEN05	Order Date : 4/22/2021 10:46:00 AM	Project Mgr : Tyler
Client Name : EA Engineering Science & Technology	Project Name : NYSDEC - National Heatse	Report Type : NYS ASP B
Client Contact : Emily Cummings	Receive DateTime : 4/22/2021 10:16:00 AM	EDD Type : NYSDEC EDD V-4
Invoice Name : EA Engineering Science & Technology	Purchase Order :	Hard Copy Date :
Invoice Contact : Emily Cummings		Date Signoff : 4/22/2021 12:25:36 PM

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	
M2137-10	152140-MW-2D(OFFSITE)	Water	04/19/2021	14:33					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-11	152140-DDC-8-PD	Water	04/19/2021	14:39					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-12	152140-DDC-8-PS	Water	04/19/2021	15:04					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-13	152140-DDC-7-PS	Water	04/19/2021	15:29					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-14	152140-DDC-9-PD	Water	04/19/2021	15:37					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-15	152140-DDC-7-PD	Water	04/19/2021	15:51					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-16	152140-DDC-9-PS	Water	04/19/2021	15:58					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-17	152140-MW-1S(OFFSITE)	Water	04/19/2021	16:35					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Order ID : M2137 EAEN05	Order Date : 4/22/2021 10:46:00 AM	Project Mgr : Tyler
Client Name : EA Engineering Science & Technology	Project Name : NYSDEC - National Heatse	Report Type : NYS ASP B
Client Contact : Emily Cummings	Receive DateTime : 4/22/2021 10:16:00 AM	EDD Type : NYSDEC EDD V-4
Invoice Name : EA Engineering Science & Technology	Purchase Order :	Hard Copy Date :
Invoice Contact : Emily Cummings		Date Signoff : 4/22/2021 12:25:36 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
M2137-18	M2137-17MS	Water	04/19/2021	16:35	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-19	M2137-17MSD	Water	04/19/2021	16:35	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-20	152140-MW-3S(ONSITE)	Water	04/19/2021	16:47	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-21	152140-MW-1D(OFFSITE)	Water	04/19/2021	17:02	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-22	152140-MW-6S	Water	04/19/2021	17:09	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-23	152140-RB-041921	Water	04/19/2021	17:34	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2137-24	TB	Water	04/07/2021	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Order ID : M2137	EAEN05	Order Date : 4/22/2021 10:46:00 AM	Project Mgr :
Client Name : EA Engineering Science & T		Project Name : NYSDEC - National Heatse	Report Type : NYS ASP B
Client Contact : Emily Cummings		Receive DateTime : 4/22/2021 10:16:00 AM	EDD Type : NYSDEC EDD V-4
Invoice Name : EA Engineering Science & T		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

Relinquished By : 

Date / Time : 4/22/21 1200

Received By : 

Date / Time : 04/22/21 12:00

Storage Area : VOA Refridgerator Room

Ref #4

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 : M2138

ATTENTION : Emily Cummings



Table Of Contents for M2138

1) Signature Page	3
2) Case Narrative	7
2.1) VOC-TCLVOA-10- Case Narrative	7
3) Qualifier Page	9
4) QA Checklist	10
5) VOC-TCLVOA-10 Data	11
6) Shipping Document	162
6.1) CHAIN OF CUSTODY	163
6.2) Air Bill	166
6.3) ROC	167
6.4) Lab Certificate	168
6.5) Internal COC	169

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-1

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 #)
152140-MW-5D	M2138-01	8260-Low					
152140-MW-5S	M2138-02	8260-Low					
152140-DDC-2-PD	M2138-03	8260-Low					
152140-MW-3D(ONSITE)	M2138-04	8260-Low					
152140-DDC-2-PS	M2138-05	8260-Low					
152140-MW-2S(ONSITE)	M2138-06	8260-Low					
152140-MW-2D(ONSITE)	M2138-07	8260-Low					
152140-MW-1D(ONSITE)	M2138-08	8260-Low					
152140-MW-1S(ONSITE)	M2138-09	8260-Low					
152140-MW-2AD	M2138-10	8260-Low					
152140-MW-2A	M2138-11	8260-Low					
152140-MW-15S	M2138-12	8260-Low					
152140-MW-15D	M2138-13	8260-Low					
152140-DDC-4-PD	M2138-16	8260-Low					
152140-DDC-4-PS	M2138-17	8260-Low					
152140-FD-01	M2138-18	8260-Low					
152140-FD-02	M2138-19	8260-Low					
152140-14S	M2138-20	8260-Low					
152140-14D	M2138-21	8260-Low					
152140-FB-042021	M2138-22	8260-Low					
152140-RB-042021	M2138-23	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
M2138-01	Water	04/20/21	04/22/21		04/22/21
M2138-02	Water	04/20/21	04/22/21		04/22/21
M2138-03	Water	04/20/21	04/22/21		04/22/21
M2138-04	Water	04/20/21	04/22/21		04/23/21
M2138-05	Water	04/20/21	04/22/21		04/23/21
M2138-06	Water	04/20/21	04/22/21		04/23/21
M2138-07	Water	04/20/21	04/22/21		04/22/21
M2138-08	Water	04/20/21	04/22/21		04/22/21
M2138-09	Water	04/20/21	04/22/21		04/22/21
M2138-10	Water	04/20/21	04/22/21		04/22/21
M2138-11	Water	04/20/21	04/22/21		04/22/21
M2138-12	Water	04/20/21	04/22/21		04/23/21
M2138-13	Water	04/20/21	04/22/21		04/29/21
M2138-16	Water	04/20/21	04/22/21		04/29/21
M2138-17	Water	04/20/21	04/22/21		04/29/21
M2138-18	Water	04/19/21	04/22/21		04/28/21
M2138-19	Water	04/20/21	04/22/21		04/29/21
M2138-20	Water	04/20/21	04/22/21		04/28/21
M2138-21	Water	04/20/21	04/22/21		04/28/21
M2138-22	Water	04/20/21	04/22/21		04/22/21
M2138-23	Water	04/20/21	04/22/21		04/23/21

* 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
M2138-01	Water	8260-Low	5030		
M2138-02	Water	8260-Low	5030		
M2138-03	Water	8260-Low	5030		
M2138-04	Water	8260-Low	5030		
M2138-05	Water	8260-Low	5030		
M2138-06	Water	8260-Low	5030		
M2138-07	Water	8260-Low	5030		
M2138-08	Water	8260-Low	5030		
M2138-09	Water	8260-Low	5030		
M2138-10	Water	8260-Low	5030		
M2138-11	Water	8260-Low	5030		
M2138-12	Water	8260-Low	5030		
M2138-13	Water	8260-Low	5030		
M2138-14	Water	8260-Low	5030		
M2138-15	Water	8260-Low	5030		
M2138-16	Water	8260-Low	5030		
M2138-17	Water	8260-Low	5030		
M2138-18	Water	8260-Low	5030		
M2138-19	Water	8260-Low	5030		
M2138-20	Water	8260-Low	5030		
M2138-21	Water	8260-Low	5030		
M2138-22	Water	8260-Low	5030		
M2138-23	Water	8260-Low	5030		

Cover Page

Order ID : M2138

Project ID : NYSDEC - National Heatset

Client : EA Engineering Science & Technology

Lab Sample Number

M2138-01
M2138-02
M2138-03
M2138-04
M2138-05
M2138-06
M2138-07
M2138-08
M2138-09
M2138-10
M2138-11
M2138-12
M2138-13
M2138-14
M2138-15
M2138-16
M2138-17
M2138-18
M2138-19
M2138-20
M2138-21
M2138-22
M2138-23

Client Sample Number

152140-MW-5D
152140-MW-5S
152140-DDC-2-PD
152140-MW-3D(ONSITE)
152140-DDC-2-PS
152140-MW-2S(ONSITE)
152140-MW-2D(ONSITE)
152140-MW-1D(ONSITE)
152140-MW-1S(ONSITE)
152140-MW-2AD
152140-MW-2A
152140-MW-15S
152140-MW-15D
152140-MW-15DMS
152140-MW-15DMSD
152140-DDC-4-PD
152140-DDC-4-PS
152140-FD-01
152140-FD-02
152140-14S
152140-14D
152140-FB-042021
152140-RB-042021

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 10:20 am, May 06, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

EA Engineering Science & Technology

Project Name: NYSDEC - National Heatset

Project # N/A

Chemtech Project # M2138

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

23 Water samples were received on 04/22/2021.

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 performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. 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.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {M2138-14MS} with File ID: VN066816.D recoveries met the requirements for all compounds except for Bromoform[124%], cis-1,3-Dichloropropene[69%], Methyl Acetate[34%], Methylene Chloride[117%] and t-1,3-Dichloropropene[70%] due to matrix interference.

The MSD {M2138-15MSD} with File ID: VN066817.D recoveries met the acceptable requirements except for cis-1,3-Dichloropropene[66%], Methyl Acetate[36%], t-1,3-Dichloropropene[68%] and Tetrachloroethene[133%] due to matrix interference.

The RPD for {M2138-15MSD} with File ID: VN066817.D met criteria except for Tetrachloroethene[31%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .

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

The % RSD is greater than 20% in the Initial Calibration method (82N042721W.M) for Methyl Acetate, 2-Hexanone, Styrene these compounds are passing on Linear regression.

The % RSD is greater than 15% in the Initial Calibration method (82X042021W.M) for Chloromethane this compound is passing on Linear regression.

The Continuous Calibration File ID VN066800.D met the requirements except for Bromoform is failing high but no positive hit in any associate samples therefore no corrective action taken.

The Continuous Calibration File ID VX021836.D met the requirements except for Bromomethane is failing high but no positive hit in any associate samples therefore no corrective action taken.

The Tuning criteria met requirements.

Sample 152140-DDC-2-PD 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.

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 10:21 am, May 06, 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 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 #: M2138

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: SOHIL JODHANI

Date: 05/05/2021

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:21 am, May 06, 2021



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID: M2138
Client: EA Engineering Science & Technology
Contact: Emily Cummings

OrderDate: 4/22/2021 10:46:00 AM
Project: NYSDEC - National Heatset
Location: VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M2138-01	152140-MW-5D	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/22/21	04/22/21
M2138-02	152140-MW-5S	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/22/21	04/22/21
M2138-03	152140-DDC-2-PD	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/22/21	04/22/21
M2138-03D L	152140-DDC-2-PDDL	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/23/21	04/22/21
M2138-04	152140-MW-3D(ONS ITE)	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/23/21	04/22/21
M2138-05	152140-DDC-2-PS	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/23/21	04/22/21
M2138-06	152140-MW-2S(ONSI TE)	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/23/21	04/22/21
M2138-07	152140-MW-2D(ONS ITE)	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/22/21	04/22/21
M2138-08	152140-MW-1D(ONS ITE)	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/22/21	04/22/21
M2138-09	152140-MW-1S(ONSI TE)	Water	VOC-TCLVOA-10	8260-Low	04/20/21		04/22/21	04/22/21

LAB CHRONICLE

M2138-10	152140-MW-2AD	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/22/21	04/22/21
M2138-11	152140-MW-2A	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/22/21	04/22/21
M2138-12	152140-MW-15S	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/23/21	04/22/21
M2138-13	152140-MW-15D	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/29/21	04/22/21
M2138-16	152140-DDC-4-PD	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/29/21	04/22/21
M2138-17	152140-DDC-4-PS	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/29/21	04/22/21
M2138-18	152140-FD-01	Water	VOC-TCLVOA-10	8260-Low	04/19/21	04/28/21	04/22/21
M2138-19	152140-FD-02	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/29/21	04/22/21
M2138-20	152140-14S	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/28/21	04/22/21
M2138-21	152140-14D	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/28/21	04/22/21
M2138-22	152140-FB-042021	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/22/21	04/22/21
M2138-23	152140-RB-042021	Water	VOC-TCLVOA-10	8260-Low	04/20/21	04/23/21	04/22/21

Hit Summary Sheet SW-846

SDG No.: M2138

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 152140-MW-5D								
M2138-01	152140-MW-5D	Water	Acetone	4.40	J	1.60	5.00	ug/L
M2138-01	152140-MW-5D	Water	cis-1,2-Dichloroethene	2.00		0.22	1.00	ug/L
M2138-01	152140-MW-5D	Water	Trichloroethene	2.50		0.17	1.00	ug/L
M2138-01	152140-MW-5D	Water	Tetrachloroethene	90.20		0.17	1.00	ug/L
			Total Voc :	99.1				
M2138-01	152140-MW-5D	Water	Hexachloroethane	* 0.83	J	0.34	1.00	ug/L
			Total Tics :	0.83				
			Total Concentration:	99.93				
Client ID: 152140-MW-5S								
M2138-02	152140-MW-5S	Water	Acetone	4.90	J	1.60	5.00	ug/L
M2138-02	152140-MW-5S	Water	Tetrachloroethene	0.84	J	0.17	1.00	ug/L
			Total Voc :	5.74				
			Total Concentration:	5.74				
Client ID: 152140-DDC-2-PD								
M2138-03	152140-DDC-2-PD	Water	Carbon Tetrachloride	1.40		0.27	1.00	ug/L
M2138-03	152140-DDC-2-PD	Water	Chloroform	0.76	J	0.27	1.00	ug/L
M2138-03	152140-DDC-2-PD	Water	Trichloroethene	1.30		0.17	1.00	ug/L
M2138-03	152140-DDC-2-PD	Water	Tetrachloroethene	800.00	E	0.17	1.00	ug/L
			Total Voc :	803.46				
M2138-03	152140-DDC-2-PD	Water	Hexachloroethane	* 20.60	J	0.34	1.00	ug/L
			Total Tics :	20.6				
			Total Concentration:	824.06				
Client ID: 152140-DDC-2-PDDL								
M2138-03DL	152140-DDC-2-PDDL	Water	Tetrachloroethene	960.00	D	1.70	10.0	ug/L
			Total Voc :	960				
			Total Concentration:	960				
Client ID: 152140-MW-3D(ONSITE)								
M2138-04	152140-MW-3D(ONSITE)	Water	Tetrachloroethene	2.50		0.17	1.00	ug/L
			Total Voc :	2.5				
			Total Concentration:	2.5				
Client ID: 152140-DDC-2-PS								
M2138-05	152140-DDC-2-PS	Water	Acetone	3.60	J	1.60	5.00	ug/L
M2138-05	152140-DDC-2-PS	Water	Tetrachloroethene	1.70		0.17	1.00	ug/L
			Total Voc :	5.3				
			Total Concentration:	5.3				
Client ID: 152140-MW-2S(ONSITE)								
M2138-06	152140-MW-2S(ONSITE)	Water	Acetone	3.40	J	1.60	5.00	ug/L
M2138-06	152140-MW-2S(ONSITE)	Water	Tetrachloroethene	1.70		0.17	1.00	ug/L
			Total Voc :	5.1				
			Total Concentration:	5.1				

Hit Summary Sheet SW-846

SDG No.: M2138
Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	152140-MW-2D(ONSITE)							
M2138-07	152140-MW-2D(ONSITE)	Water	Acetone	4.10	J	1.60	5.00	ug/L
M2138-07	152140-MW-2D(ONSITE)	Water	Trichloroethene	1.30		0.17	1.00	ug/L
M2138-07	152140-MW-2D(ONSITE)	Water	Tetrachloroethene	20.20		0.17	1.00	ug/L
Total Voc :				25.6				
Total Concentration:				25.6				
Client ID:	152140-MW-1D(ONSITE)							
M2138-08	152140-MW-1D(ONSITE)	Water	Acetone	4.00	J	1.60	5.00	ug/L
M2138-08	152140-MW-1D(ONSITE)	Water	Trichloroethene	1.30		0.17	1.00	ug/L
M2138-08	152140-MW-1D(ONSITE)	Water	Tetrachloroethene	1.20		0.17	1.00	ug/L
Total Voc :				6.5				
Total Concentration:				6.5				
Client ID:	152140-MW-1S(ONSITE)							
M2138-09	152140-MW-1S(ONSITE)	Water	Acetone	2.60	J	1.60	5.00	ug/L
M2138-09	152140-MW-1S(ONSITE)	Water	Tetrachloroethene	0.70	J	0.17	1.00	ug/L
Total Voc :				3.3				
Total Concentration:				3.3				
Client ID:	152140-MW-2AD							
M2138-10	152140-MW-2AD	Water	Acetone	4.70	J	1.60	5.00	ug/L
M2138-10	152140-MW-2AD	Water	cis-1,2-Dichloroethene	11.10		0.22	1.00	ug/L
M2138-10	152140-MW-2AD	Water	Trichloroethene	5.50		0.17	1.00	ug/L
M2138-10	152140-MW-2AD	Water	Tetrachloroethene	4.80		0.17	1.00	ug/L
Total Voc :				26.1				
M2138-10	152140-MW-2AD	Water	sec-Butylbenzene	* 0.41	J	0.23	1.00	ug/L
Total Tics :				0.41				
Total Concentration:				26.51				
Client ID:	152140-MW-2A							
M2138-11	152140-MW-2A	Water	Acetone	3.80	J	1.60	5.00	ug/L
M2138-11	152140-MW-2A	Water	cis-1,2-Dichloroethene	1.10		0.22	1.00	ug/L
M2138-11	152140-MW-2A	Water	Tetrachloroethene	0.93	J	0.17	1.00	ug/L
M2138-11	152140-MW-2A	Water	1,4-Dichlorobenzene	1.30		0.20	1.00	ug/L
Total Voc :				7.13				
M2138-11	152140-MW-2A	Water	sec-Butylbenzene	* 0.73	J	0.23	1.00	ug/L
Total Tics :				0.73				
Total Concentration:				7.86				
Client ID:	152140-MW-15S							
M2138-12	152140-MW-15S	Water	Acetone	2.80	J	1.60	5.00	ug/L
M2138-12	152140-MW-15S	Water	Chloroform	0.66	J	0.27	1.00	ug/L
M2138-12	152140-MW-15S	Water	Tetrachloroethene	31.70		0.17	1.00	ug/L
Total Voc :				35.16				

Hit Summary Sheet SW-846

SDG No.: M2138
Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M2138-12	152140-MW-15S	Water	Hexachloroethane	* 0.95	J	0.34	1.00	ug/L
			Total Tics :	0.95				
			Total Concentration:	36.11				
Client ID:	152140-MW-15D							
M2138-13	152140-MW-15D	Water	Chloroform	0.55	J	0.27	1.00	ug/L
M2138-13	152140-MW-15D	Water	Tetrachloroethene	52.50		0.17	1.00	ug/L
			Total Voc :	53.05				
M2138-13	152140-MW-15D	Water	Hexachloroethane	* 1.90	J	0.34	1.00	ug/L
			Total Tics :	1.9				
			Total Concentration:	54.95				
Client ID:	152140-DDC-4-PD							
M2138-16	152140-DDC-4-PD	Water	Tetrachloroethene	2.30		0.17	1.00	ug/L
			Total Voc :	2.3				
			Total Concentration:	2.3				
Client ID:	152140-DDC-4-PS							
M2138-17	152140-DDC-4-PS	Water	Tetrachloroethene	4.50		0.17	1.00	ug/L
			Total Voc :	4.5				
			Total Concentration:	4.5				
Client ID:	152140-FD-01							
M2138-18	152140-FD-01	Water	cis-1,2-Dichloroethene	3.10		0.22	1.00	ug/L
			Total Voc :	3.1				
			Total Concentration:	3.1				
Client ID:	152140-FD-02							
M2138-19	152140-FD-02	Water	Trichloroethene	1.10		0.17	1.00	ug/L
M2138-19	152140-FD-02	Water	Tetrachloroethene	24.40		0.17	1.00	ug/L
			Total Voc :	25.5				
			Total Concentration:	25.5				
Client ID:	152140-14S							
M2138-20	152140-14S	Water	cis-1,2-Dichloroethene	0.35	J	0.22	1.00	ug/L
M2138-20	152140-14S	Water	Chloroform	0.53	J	0.27	1.00	ug/L
M2138-20	152140-14S	Water	Tetrachloroethene	27.30		0.17	1.00	ug/L
			Total Voc :	28.18				
			Total Concentration:	28.18				
Client ID:	152140-14D							
M2138-21	152140-14D	Water	Tetrachloroethene	0.45	J	0.17	1.00	ug/L
			Total Voc :	0.45				
			Total Concentration:	0.45				
Client ID:	152140-FB-042021							
M2138-22	152140-FB-042021	Water	Acetone	2.80	J	1.60	5.00	ug/L
			Total Voc :	2.8				
M2138-22	152140-FB-042021	Water	Aminomethanesulfonic acid	* 6.20	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: M2138

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Tics :				6.2				
Total Concentration:				9				
Client ID:	152140-RB-042021							
M2138-23	152140-RB-042021	Water	Acetone	3.40	J	1.60	5.00	ug/L
Total Voc :				3.4				
Total Concentration:				3.4				

SAMPLE DATA

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-5D	SDG No.:	M2138
Lab Sample ID:	M2138-01	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021823.D	1		04/22/21 17:42	VX042221

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	4.40	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	2.00		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	2.50		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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-5D	SDG No.:	M2138
Lab Sample ID:	M2138-01	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021823.D	1		04/22/21 17:42	VX042221

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	90.2		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	50.8		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.2		83 - 123	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	159000	5.629			
540-36-3	1,4-Difluorobenzene	287000	6.83			
3114-55-4	Chlorobenzene-d5	305000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	165000	12.061			
TENTATIVE IDENTIFIED COMPOUNDS						
67-72-1	Hexachloroethane	0.83	J		12.6	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-5D		SDG No.:	M2138
Lab Sample ID:	M2138-01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021823.D	1		04/22/21 17:42	VX042221

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-5S	SDG No.:	M2138
Lab Sample ID:	M2138-02	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021824.D	1		04/22/21 18:05	VX042221

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	4.90	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	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-5S	SDG No.:	M2138
Lab Sample ID:	M2138-02	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021824.D	1		04/22/21 18:05	VX042221

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	0.84	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	50.8		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.5		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.4		83 - 123	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	5.629			
540-36-3	1,4-Difluorobenzene	275000	6.83			
3114-55-4	Chlorobenzene-d5	288000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-5S		SDG No.:	M2138
Lab Sample ID:	M2138-02		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021824.D	1		04/22/21 18:05	VX042221

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-2-PD	SDG No.:	M2138
Lab Sample ID:	M2138-03	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021825.D	1		04/22/21 18:27	VX042221

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	1.40		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	0.76	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-2-PD	SDG No.:	M2138
Lab Sample ID:	M2138-03	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021825.D	1		04/22/21 18:27	VX042221

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	800	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	50.9		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.0		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.7		83 - 123	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	5.629			
540-36-3	1,4-Difluorobenzene	277000	6.83			
3114-55-4	Chlorobenzene-d5	297000	10.091			
3855-82-1	1,4-Dichlorobenzene-d4	163000	12.061			
TENTATIVE IDENTIFIED COMPOUNDS						
67-72-1	Hexachloroethane	20.6	J		12.6	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-2-PD		SDG No.:	M2138
Lab Sample ID:	M2138-03		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021825.D	1		04/22/21 18:27	VX042221

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-2-PDDL		SDG No.:	M2138	
Lab Sample ID:	M2138-03DL		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:	DB-624UI	ID : 0.18	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021840.D	10		04/23/21 14:28	VX042321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	UD	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.60	10.0	ug/L
67-64-1	Acetone	50.0	UD	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	10.0	UD	2.20	10.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	2.60	10.0	ug/L
67-66-3	Chloroform	10.0	UD	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.40	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	2.50	10.0	ug/L
79-01-6	Trichloroethene	10.0	UD	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	8.70	50.0	ug/L
108-88-3	Toluene	10.0	UD	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-2-PDDL	SDG No.:	M2138
Lab Sample ID:	M2138-03DL	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021840.D	10		04/23/21 14:28	VX042321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	UD	2.40	10.0	ug/L
591-78-6	2-Hexanone	50.0	UD	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	960	D	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.80	10.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	3.20	20.0	ug/L
95-47-6	o-Xylene	10.0	UD	1.90	10.0	ug/L
100-42-5	Styrene	10.0	UD	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	2.90	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	3.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		78 - 117	95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.0		92 - 112	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		83 - 123	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	5.629			
540-36-3	1,4-Difluorobenzene	292000	6.83			
3114-55-4	Chlorobenzene-d5	259000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	120000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-2-PDDL		SDG No.:	M2138
Lab Sample ID:	M2138-03DL		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021840.D	10		04/23/21 14:28	VX042321

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-3D(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-04	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021842.D	1		04/23/21 15:14	VX042321

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-3D(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-04	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021842.D	1		04/23/21 15:14	VX042321

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	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	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	49.3		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.6		92 - 112	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		83 - 123	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	5.629			
540-36-3	1,4-Difluorobenzene	297000	6.83			
3114-55-4	Chlorobenzene-d5	272000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-3D(ONSITE)		SDG No.:	M2138
Lab Sample ID:	M2138-04		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021842.D	1		04/23/21 15:14	VX042321

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-2-PS		SDG No.:	M2138	
Lab Sample ID:	M2138-05		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:	DB-624UI	ID : 0.18	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021843.D	1		04/23/21 15:37	VX042321

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	3.60	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-DDC-2-PS	SDG No.:	M2138
Lab Sample ID:	M2138-05	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021843.D	1		04/23/21 15:37	VX042321

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	1.70		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	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	47.9		78 - 117	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.0		92 - 112	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		83 - 123	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	5.629			
540-36-3	1,4-Difluorobenzene	305000	6.83			
3114-55-4	Chlorobenzene-d5	277000	10.091			
3855-82-1	1,4-Dichlorobenzene-d4	135000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-2-PS		SDG No.:	M2138
Lab Sample ID:	M2138-05		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021843.D	1		04/23/21 15:37	VX042321

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-2S(ONSITE)		SDG No.:	M2138	
Lab Sample ID:	M2138-06		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:	DB-624UI	ID : 0.18	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021844.D	1		04/23/21 16:00	VX042321

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	3.40	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2S(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-06	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021844.D	1		04/23/21 16:00	VX042321

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	1.70		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	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	49.4		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	47.9		92 - 112	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		83 - 123	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	5.629			
540-36-3	1,4-Difluorobenzene	292000	6.83			
3114-55-4	Chlorobenzene-d5	263000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	128000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2S(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-06	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021844.D	1		04/23/21 16:00	VX042321

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-2D(ONSITE)		SDG No.:	M2138	
Lab Sample ID:	M2138-07		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:	DB-624UI	ID : 0.18	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021829.D	1		04/22/21 19:58	VX042221

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	4.10	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	1.30		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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2D(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-07	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021829.D	1		04/22/21 19:58	VX042221

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	20.2		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	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.9		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.4		83 - 123	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	5.629			
540-36-3	1,4-Difluorobenzene	285000	6.83			
3114-55-4	Chlorobenzene-d5	301000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	162000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-2D(ONSITE)		SDG No.:	M2138
Lab Sample ID:	M2138-07		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021829.D	1		04/22/21 19:58	VX042221

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1D(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-08	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021830.D	1		04/22/21 20:21	VX042221

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	4.00	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	1.30		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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1D(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-08	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021830.D	1		04/22/21 20:21	VX042221

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	1.20		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	51.1		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.4		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.2		83 - 123	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	5.629			
540-36-3	1,4-Difluorobenzene	282000	6.83			
3114-55-4	Chlorobenzene-d5	301000	10.097			
3855-82-1	1,4-Dichlorobenzene-d4	161000	12.06			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-1D(ONSITE)		SDG No.:	M2138
Lab Sample ID:	M2138-08		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021830.D	1		04/22/21 20:21	VX042221

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-09	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021831.D	1		04/22/21 20:44	VX042221

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	2.60	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(ONSITE)	SDG No.:	M2138
Lab Sample ID:	M2138-09	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021831.D	1		04/22/21 20:44	VX042221

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	0.70	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	51.3		78 - 117	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.5		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.6		83 - 123	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	5.629			
540-36-3	1,4-Difluorobenzene	290000	6.83			
3114-55-4	Chlorobenzene-d5	314000	10.091			
3855-82-1	1,4-Dichlorobenzene-d4	165000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-1S(ONSITE)		SDG No.:	M2138
Lab Sample ID:	M2138-09		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021831.D	1		04/22/21 20:44	VX042221

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2AD	SDG No.:	M2138
Lab Sample ID:	M2138-10	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021832.D	1		04/22/21 21:07	VX042221

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	4.70	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	11.1		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	5.50		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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2AD	SDG No.:	M2138
Lab Sample ID:	M2138-10	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021832.D	1		04/22/21 21:07	VX042221

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	4.80		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	51.5		78 - 117	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		92 - 112	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.9		83 - 123	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	5.629			
540-36-3	1,4-Difluorobenzene	284000	6.83			
3114-55-4	Chlorobenzene-d5	296000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	160000	12.061			
TENTATIVE IDENTIFIED COMPOUNDS						
135-98-8	sec-Butylbenzene	0.41	J		11.9	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2AD	SDG No.:	M2138
Lab Sample ID:	M2138-10	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021832.D	1		04/22/21 21:07	VX042221

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2A	SDG No.:	M2138
Lab Sample ID:	M2138-11	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021833.D	1		04/22/21 21:29	VX042221

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	3.80	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	1.10		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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-2A	SDG No.:	M2138
Lab Sample ID:	M2138-11	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021833.D	1		04/22/21 21:29	VX042221

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	0.93	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	1.30		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	52.3		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.6		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		83 - 123	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	149000	5.629			
540-36-3	1,4-Difluorobenzene	276000	6.83			
3114-55-4	Chlorobenzene-d5	287000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	156000	12.061			
TENTATIVE IDENTIFIED COMPOUNDS						
135-98-8	sec-Butylbenzene	0.73	J		11.9	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-2A		SDG No.:	M2138
Lab Sample ID:	M2138-11		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021833.D	1		04/22/21 21:29	VX042221

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-15S	SDG No.:	M2138
Lab Sample ID:	M2138-12	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021860.D	1		04/23/21 22:03	VX042321

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	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	0.66	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-15S	SDG No.:	M2138
Lab Sample ID:	M2138-12	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021860.D	1		04/23/21 22:03	VX042321

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	31.7		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	48.6		78 - 117	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.1		92 - 112	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		83 - 123	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	5.629			
540-36-3	1,4-Difluorobenzene	304000	6.83			
3114-55-4	Chlorobenzene-d5	275000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.061			
TENTATIVE IDENTIFIED COMPOUNDS						
67-72-1	Hexachloroethane	0.95	J		12.6	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-15S		SDG No.:	M2138
Lab Sample ID:	M2138-12		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021860.D	1		04/23/21 22:03	VX042321

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-15D		SDG No.:	M2138	
Lab Sample ID:	M2138-13		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
VN066864.D	1		04/29/21 16:03	VN042921

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	0.55	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-15D	SDG No.:	M2138
Lab Sample ID:	M2138-13	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
VN066864.D	1		04/29/21 16:03	VN042921

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	52.5		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	45.4		78 - 117	91%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		75 - 124	112%	SPK: 50
2037-26-5	Toluene-d8	52.7		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.3		83 - 123	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	306000	7.594			
540-36-3	1,4-Difluorobenzene	462000	8.522			
3114-55-4	Chlorobenzene-d5	409000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.293			
TENTATIVE IDENTIFIED COMPOUNDS						
67-72-1	Hexachloroethane	1.90	J		13.8	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-MW-15D		SDG No.:	M2138	
Lab Sample ID:	M2138-13		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
VN066864.D	1		04/29/21 16:03	VN042921

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-4-PD		SDG No.:	M2138	
Lab Sample ID:	M2138-16		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
VN066865.D	1		04/29/21 16:27	VN042921

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-4-PD		SDG No.:	M2138	
Lab Sample ID:	M2138-16		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
VN066865.D	1		04/29/21 16:27	VN042921

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	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	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	46.1		78 - 117	92%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	52.6		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		83 - 123	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301000	7.594			
540-36-3	1,4-Difluorobenzene	454000	8.522			
3114-55-4	Chlorobenzene-d5	390000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-4-PD		SDG No.:	M2138
Lab Sample ID:	M2138-16		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
VN066865.D	1		04/29/21 16:27	VN042921

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-4-PS		SDG No.:	M2138	
Lab Sample ID:	M2138-17		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
VN066862.D	1		04/29/21 15:19	VN042921

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-DDC-4-PS		SDG No.:	M2138	
Lab Sample ID:	M2138-17		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
VN066862.D	1		04/29/21 15:19	VN042921

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	4.50		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	45.5		78 - 117	91%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		75 - 124	111%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		83 - 123	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	305000	7.596			
540-36-3	1,4-Difluorobenzene	462000	8.522			
3114-55-4	Chlorobenzene-d5	392000	11.354			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-DDC-4-PS		SDG No.:	M2138
Lab Sample ID:	M2138-17		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
VN066862.D	1		04/29/21 15:19	VN042921

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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-FD-01		SDG No.:	M2138	
Lab Sample ID:	M2138-18		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
VN066812.D	1		04/28/21 15:06	VN042821

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	3.10		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:	04/19/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-FD-01		SDG No.:	M2138	
Lab Sample ID:	M2138-18		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
VN066812.D	1		04/28/21 15:06	VN042821

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	41.7		78 - 117	83%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.5		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		83 - 123	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	344000	7.591			
540-36-3	1,4-Difluorobenzene	521000	8.522			
3114-55-4	Chlorobenzene-d5	462000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	183000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/19/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-FD-01		SDG No.:	M2138
Lab Sample ID:	M2138-18		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
VN066812.D	1		04/28/21 15:06	VN042821

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-FD-02		SDG No.:	M2138	
Lab Sample ID:	M2138-19		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
VN066863.D	1		04/29/21 15:40	VN042921

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	1.10		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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-FD-02		SDG No.:	M2138	
Lab Sample ID:	M2138-19		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
VN066863.D	1		04/29/21 15:40	VN042921

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	24.4		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	45.7		78 - 117	91%	SPK: 50
1868-53-7	Dibromofluoromethane	56.3		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		83 - 123	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	312000	7.594			
540-36-3	1,4-Difluorobenzene	473000	8.522			
3114-55-4	Chlorobenzene-d5	417000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	167000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-FD-02		SDG No.:	M2138
Lab Sample ID:	M2138-19		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
VN066863.D	1		04/29/21 15:40	VN042921

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-14S		SDG No.:	M2138	
Lab Sample ID:	M2138-20		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
VN066814.D	1		04/28/21 15:54	VN042821

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	0.35	J	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	0.53	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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-14S		SDG No.:	M2138	
Lab Sample ID:	M2138-20		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
VN066814.D	1		04/28/21 15:54	VN042821

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	27.3		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	42.5		78 - 117	85%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		92 - 112	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		83 - 123	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	332000	7.591			
540-36-3	1,4-Difluorobenzene	505000	8.519			
3114-55-4	Chlorobenzene-d5	446000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.29			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-14S		SDG No.:	M2138
Lab Sample ID:	M2138-20		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
VN066814.D	1		04/28/21 15:54	VN042821

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-14D		SDG No.:	M2138	
Lab Sample ID:	M2138-21		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
VN066815.D	1		04/28/21 16:17	VN042821

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-14D		SDG No.:	M2138	
Lab Sample ID:	M2138-21		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
VN066815.D	1		04/28/21 16:17	VN042821

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	0.45	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	42.6		78 - 117	85%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.0		92 - 112	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.2		83 - 123	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	333000	7.591			
540-36-3	1,4-Difluorobenzene	510000	8.519			
3114-55-4	Chlorobenzene-d5	445000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	193000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-14D		SDG No.:	M2138
Lab Sample ID:	M2138-21		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
VN066815.D	1		04/28/21 16:17	VN042821

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-FB-042021		SDG No.:	M2138	
Lab Sample ID:	M2138-22		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:	DB-624UI	ID : 0.18	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021822.D	1		04/22/21 17:19	VX042221

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	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	1.00	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-FB-042021	SDG No.:	M2138
Lab Sample ID:	M2138-22	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021822.D	1		04/22/21 17:19	VX042221

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	49.7		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	49.8		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.8		83 - 123	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	5.629			
540-36-3	1,4-Difluorobenzene	281000	6.83			
3114-55-4	Chlorobenzene-d5	298000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	159000	12.061			
TENTATIVE IDENTIFIED COMPOUNDS						
013881-91-9	Aminomethanesulfonic acid	6.20	J		1.31	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-FB-042021		SDG No.:	M2138
Lab Sample ID:	M2138-22		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021822.D	1		04/22/21 17:19	VX042221

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:	04/20/21	
Project:	NYSDEC - National Heatset		Date Received:	04/22/21	
Client Sample ID:	152140-RB-042021		SDG No.:	M2138	
Lab Sample ID:	M2138-23		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:	DB-624UI	ID : 0.18	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021858.D	1		04/23/21 21:18	VX042321

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	3.40	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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-RB-042021	SDG No.:	M2138
Lab Sample ID:	M2138-23	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:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021858.D	1		04/23/21 21:18	VX042321

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	48.5		78 - 117	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.3		92 - 112	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		83 - 123	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	5.629			
540-36-3	1,4-Difluorobenzene	300000	6.83			
3114-55-4	Chlorobenzene-d5	280000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-RB-042021		SDG No.:	M2138
Lab Sample ID:	M2138-23		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021858.D	1		04/23/21 21:18	VX042321

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.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
M2138-01	152140-MW-5D	1,2-Dichloroethane-d4	50	50.5	101	78	117
		Dibromofluoromethane	50	50.8	102	75	124
		Toluene-d8	50	49.9	100	92	112
		4-Bromofluorobenzene	50	58.2	116	83	123
M2138-02	152140-MW-5S	1,2-Dichloroethane-d4	50	50.8	102	78	117
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	49.5	99	92	112
		4-Bromofluorobenzene	50	57.4	115	83	123
M2138-03	152140-DDC-2-PD	1,2-Dichloroethane-d4	50	50.9	102	78	117
		Dibromofluoromethane	50	50.9	102	75	124
		Toluene-d8	50	50.0	100	92	112
		4-Bromofluorobenzene	50	58.7	117	83	123
M2138-03DL	152140-DDC-2-PDDL	1,2-Dichloroethane-d4	50	47.7	95	78	117
		Dibromofluoromethane	50	49.6	99	75	124
		Toluene-d8	50	48.0	96	92	112
		4-Bromofluorobenzene	50	45.1	90	83	123
M2138-04	152140-MW-3D(ONSITE)	1,2-Dichloroethane-d4	50	49.3	99	78	117
		Dibromofluoromethane	50	49.6	99	75	124
		Toluene-d8	50	48.6	97	92	112
		4-Bromofluorobenzene	50	47.4	95	83	123
M2138-05	152140-DDC-2-PS	1,2-Dichloroethane-d4	50	47.9	96	78	117
		Dibromofluoromethane	50	49.0	98	75	124
		Toluene-d8	50	48.0	96	92	112
		4-Bromofluorobenzene	50	47.7	95	83	123
M2138-06	152140-MW-2S(ONSITE)	1,2-Dichloroethane-d4	50	49.4	99	78	117
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	47.9	96	92	112
		4-Bromofluorobenzene	50	46.0	92	83	123
M2138-07	152140-MW-2D(ONSITE)	1,2-Dichloroethane-d4	50	50.8	102	78	117
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	49.9	100	92	112
		4-Bromofluorobenzene	50	57.4	115	83	123
M2138-08	152140-MW-1D(ONSITE)	1,2-Dichloroethane-d4	50	51.1	102	78	117
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	50.4	101	92	112
		4-Bromofluorobenzene	50	58.2	116	83	123
M2138-09	152140-MW-1S(ONSITE)	1,2-Dichloroethane-d4	50	51.3	103	78	117
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	50.5	101	92	112
		4-Bromofluorobenzene	50	59.6	119	83	123
M2138-10	152140-MW-2AD	1,2-Dichloroethane-d4	50	51.5	103	78	117
		Dibromofluoromethane	50	50.7	101	75	124
		Toluene-d8	50	49.2	98	92	112
		4-Bromofluorobenzene	50	56.9	114	83	123
M2138-11	152140-MW-2A	1,2-Dichloroethane-d4	50	52.3	105	78	117
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	49.5	99	92	112
		4-Bromofluorobenzene	50	57.2	114	83	123
M2138-12	152140-MW-15S	1,2-Dichloroethane-d4	50	48.6	97	78	117
		Dibromofluoromethane	50	49.5	99	75	124
		Toluene-d8	50	48.1	96	92	112
		4-Bromofluorobenzene	50	47.3	95	83	123

Surrogate Summary

SDG No.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
M2138-13	152140-MW-15D	1,2-Dichloroethane-d4	50	45.4	91	78	117
		Dibromofluoromethane	50	56.2	112	75	124
		Toluene-d8	50	52.7	105	92	112
		4-Bromofluorobenzene	50	44.3	89	83	123
M2138-14MS	152140-MW-15DMS	1,2-Dichloroethane-d4	50	52.1	104	78	117
		Dibromofluoromethane	50	54.0	108	75	124
		Toluene-d8	50	51.1	102	92	112
		4-Bromofluorobenzene	50	51.8	104	83	123
M2138-15MSD	152140-MW-15DMSD	1,2-Dichloroethane-d4	50	49.1	98	78	117
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	51.1	102	92	112
		4-Bromofluorobenzene	50	52.7	105	83	123
M2138-16	152140-DDC-4-PD	1,2-Dichloroethane-d4	50	46.1	92	78	117
		Dibromofluoromethane	50	56.6	113	75	124
		Toluene-d8	50	52.6	105	92	112
		4-Bromofluorobenzene	50	42.4	85	83	123
M2138-17	152140-DDC-4-PS	1,2-Dichloroethane-d4	50	45.5	91	78	117
		Dibromofluoromethane	50	55.5	111	75	124
		Toluene-d8	50	53.0	106	92	112
		4-Bromofluorobenzene	50	43.7	87	83	123
M2138-18	152140-FD-01	1,2-Dichloroethane-d4	50	41.7	83	78	117
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	49.5	99	92	112
		4-Bromofluorobenzene	50	43.6	87	83	123
M2138-19	152140-FD-02	1,2-Dichloroethane-d4	50	45.7	91	78	117
		Dibromofluoromethane	50	56.3	113	75	124
		Toluene-d8	50	53.1	106	92	112
		4-Bromofluorobenzene	50	43.9	88	83	123
M2138-20	152140-14S	1,2-Dichloroethane-d4	50	42.5	85	78	117
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	49.2	98	92	112
		4-Bromofluorobenzene	50	42.9	86	83	123
M2138-21	152140-14D	1,2-Dichloroethane-d4	50	42.6	85	78	117
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	49.0	98	92	112
		4-Bromofluorobenzene	50	43.2	86	83	123
M2138-22	152140-FB-042021	1,2-Dichloroethane-d4	50	50.4	101	78	117
		Dibromofluoromethane	50	49.7	99	75	124
		Toluene-d8	50	49.8	100	92	112
		4-Bromofluorobenzene	50	57.8	116	83	123
M2138-23	152140-RB-042021	1,2-Dichloroethane-d4	50	48.5	97	78	117
		Dibromofluoromethane	50	49.5	99	75	124
		Toluene-d8	50	48.3	97	92	112
		4-Bromofluorobenzene	50	48.4	97	83	123
VN0428WBL01	VN0428WBL01	1,2-Dichloroethane-d4	50	42.6	85	78	117
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	49.3	99	92	112
		4-Bromofluorobenzene	50	44.5	89	83	123
VN0428WBS01	VN0428WBS01	1,2-Dichloroethane-d4	50	43.1	86	78	117
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	50.4	101	92	112
		4-Bromofluorobenzene	50	49.8	100	83	123

Surrogate Summary

SDG No.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0429WBL01	VN0429WBL01	1,2-Dichloroethane-d4	50	44.9	90	78	117
		Dibromofluoromethane	50	54.6	109	75	124
		Toluene-d8	50	52.2	104	92	112
		4-Bromofluorobenzene	50	44.4	89	83	123
VN0429WBS01	VN0429WBS01	1,2-Dichloroethane-d4	50	40.3	81	78	117
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	50.3	101	92	112
		4-Bromofluorobenzene	50	49.1	98	83	123
VX0422WBL01	VX0422WBL01	1,2-Dichloroethane-d4	50	50.6	101	78	117
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	50.9	102	92	112
		4-Bromofluorobenzene	50	58.6	117	83	123
VX0422WBS01	VX0422WBS01	1,2-Dichloroethane-d4	50	47.4	95	78	117
		Dibromofluoromethane	50	47.6	95	75	124
		Toluene-d8	50	46.9	94	92	112
		4-Bromofluorobenzene	50	46.5	93	83	123
VX0423WBL01	VX0423WBL01	1,2-Dichloroethane-d4	50	48.4	97	78	117
		Dibromofluoromethane	50	49.9	100	75	124
		Toluene-d8	50	48.3	97	92	112
		4-Bromofluorobenzene	50	45.5	91	83	123
VX0423WBS01	VX0423WBS01	1,2-Dichloroethane-d4	50	48.2	96	78	117
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	47.8	96	92	112
		4-Bromofluorobenzene	50	46.8	94	83	123

Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: **M2138**

Client: **EA Engineering Science & Technology**

Analytical Method: **SW8260-Low**

Parameter	Spike	Sample	Result	Units	Rec			RPD		Limits		RPD
		Result			Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	M2138-14MS	Client Sample ID :	152140-MW-15DMS					Datafile :	VN066816.D			
Dichlorodifluoromethane	50	0	51.4	ug/L	103				73	120		
Chloromethane	50	0	60.0	ug/L	120				58	133		
Vinyl chloride	50	0	57.5	ug/L	115				69	125		
Bromomethane	50	0	47.8	ug/L	96				45	135		
Chloroethane	50	0	55.0	ug/L	110				77	119		
Trichlorofluoromethane	50	0	53.9	ug/L	108				72	124		
1,1,2-Trichlorotrifluoroethane	50	0	47.8	ug/L	96				75	117		
1,1-Dichloroethene	50	0	55.3	ug/L	111				77	118		
Acetone	250	0	270	ug/L	108				57	139		
Carbon disulfide	50	0	48.7	ug/L	97				67	118		
Methyl tert-butyl Ether	50	0	58.2	ug/L	116				60	148		
Methyl Acetate	50	0	16.8	ug/L	34	*			60	133		
Methylene Chloride	50	0	58.7	ug/L	117	*			79	115		
trans-1,2-Dichloroethene	50	0	55.5	ug/L	111				60	133		
1,1-Dichloroethane	50	0	57.9	ug/L	116				78	122		
Cyclohexane	50	0	47.0	ug/L	94				71	119		
2-Butanone	250	0	300	ug/L	120				67	137		
Carbon Tetrachloride	50	0	50.6	ug/L	101				84	115		
cis-1,2-Dichloroethene	50	0	59.2	ug/L	118				56	145		
Bromochloromethane	50	0	54.8	ug/L	110				72	130		
Chloroform	50	0.57	58.6	ug/L	116				83	119		
1,1,1-Trichloroethane	50	0	55.7	ug/L	111				83	117		
Methylcyclohexane	50	0	40.5	ug/L	81				64	120		
Benzene	50	0	54.2	ug/L	108				83	115		
1,2-Dichloroethane	50	0	49.6	ug/L	99				76	120		
Trichloroethene	50	0	52.5	ug/L	105				45	149		
1,2-Dichloropropane	50	0	54.7	ug/L	109				85	116		
Bromodichloromethane	50	0	53.3	ug/L	107				86	117		
4-Methyl-2-Pentanone	250	0	280	ug/L	112				72	137		
Toluene	50	0	53.8	ug/L	108				85	115		
t-1,3-Dichloropropene	50	0	35.1	ug/L	70	*			78	117		
cis-1,3-Dichloropropene	50	0	34.3	ug/L	69	*			77	115		
1,1,2-Trichloroethane	50	0	58.1	ug/L	116				87	119		
2-Hexanone	250	0	240	ug/L	96				75	131		
Dibromochloromethane	50	0	58.9	ug/L	118				88	118		
1,2-Dibromoethane	50	0	58.7	ug/L	117				85	119		
Tetrachloroethene	50	51.0	99.4	ug/L	97				65	114		
Chlorobenzene	50	0	52.5	ug/L	105				62	141		
Ethyl Benzene	50	0	51.5	ug/L	103				62	134		
m/p-Xylenes	100	0	110	ug/L	110				83	117		
o-Xylene	50	0	54.0	ug/L	108				81	120		
Styrene	50	0	45.0	ug/L	90				53	143		
Bromoform	50	0	62.0	ug/L	124	*			83	121		
Isopropylbenzene	50	0	49.6	ug/L	99				76	121		
1,1,2,2-Tetrachloroethane	50	0	55.3	ug/L	111				66	145		
1,3-Dichlorobenzene	50	0	51.6	ug/L	103				84	110		
1,4-Dichlorobenzene	50	0	50.1	ug/L	100				81	111		

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Low	Limits	
		Result			Rec	Qual	RPD	Qual		High	RPD
1,2-Dichlorobenzene	50	0	53.2	ug/L	106				82	113	
1,2-Dibromo-3-Chloropropane	50	0	47.9	ug/L	96				55	152	
1,2,4-Trichlorobenzene	50	0	48.9	ug/L	98				73	120	
1,2,3-Trichlorobenzene	50	0	51.3	ug/L	103				75	119	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **M2138**Client: **EA Engineering Science & Technology**Analytical Method: **SW8260-Low**

Parameter	Spike	Sample	Result	Units	Rec		RPD		Limits		
		Result			Qual	RPD	Qual	Low	High	RPD	
Lab Sample ID :	M2138-15MSD	Client Sample ID :	152140-MW-15DMSD					Datafile :	VN066817.D		
Dichlorodifluoromethane	50	0	50.0	ug/L	100		3		73	120	20
Chloromethane	50	0	55.8	ug/L	112		7		58	133	20
Vinyl chloride	50	0	54.6	ug/L	109		5		69	125	20
Bromomethane	50	0	46.4	ug/L	93		3		45	135	20
Chloroethane	50	0	53.6	ug/L	107		3		77	119	20
Trichlorofluoromethane	50	0	50.4	ug/L	101		7		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	46.8	ug/L	94		2		75	117	20
1,1-Dichloroethene	50	0	51.8	ug/L	104		7		77	118	20
Acetone	250	0	250	ug/L	100		8		57	139	20
Carbon disulfide	50	0	47.3	ug/L	95		3		67	118	20
Methyl tert-butyl Ether	50	0	52.8	ug/L	106		10		60	148	20
Methyl Acetate	50	0	18.0	ug/L	36	*	7		60	133	20
Methylene Chloride	50	0	53.8	ug/L	108		9		79	115	20
trans-1,2-Dichloroethene	50	0	52.7	ug/L	105		5		60	133	20
1,1-Dichloroethane	50	0	52.4	ug/L	105		10		78	122	20
Cyclohexane	50	0	45.6	ug/L	91		3		71	119	20
2-Butanone	250	0	280	ug/L	112		7		67	137	20
Carbon Tetrachloride	50	0	50.0	ug/L	100		1		84	115	20
cis-1,2-Dichloroethene	50	0	54.2	ug/L	108		9		56	145	20
Bromochloromethane	50	0	51.6	ug/L	103		6		72	130	20
Chloroform	50	0	53.5	ug/L	107		8		83	119	20
1,1,1-Trichloroethane	50	0	51.6	ug/L	103		8		83	117	20
Methylcyclohexane	50	0	43.2	ug/L	86		6		64	120	20
Benzene	50	0	52.0	ug/L	104		4		83	115	20
1,2-Dichloroethane	50	0	47.1	ug/L	94		5		76	120	20
Trichloroethene	50	1.00	52.4	ug/L	103		2		45	149	20
1,2-Dichloropropane	50	0	52.2	ug/L	104		5		85	116	20
Bromodichloromethane	50	0	51.4	ug/L	103		4		86	117	20
4-Methyl-2-Pentanone	250	0	270	ug/L	108		4		72	137	20
Toluene	50	0	52.5	ug/L	105		2		85	115	20
t-1,3-Dichloropropene	50	0	34.0	ug/L	68	*	3		78	117	20
cis-1,3-Dichloropropene	50	0	32.9	ug/L	66	*	4		77	115	20
1,1,2-Trichloroethane	50	0	55.1	ug/L	110		5		87	119	20
2-Hexanone	250	0	230	ug/L	92		4		75	131	20
Dibromochloromethane	50	0	56.4	ug/L	113		4		88	118	20
1,2-Dibromoethane	50	0	56.2	ug/L	112		4		85	119	20
Tetrachloroethene	50	33.6	100	ug/L	133	*	31	*	65	114	20
Chlorobenzene	50	0	51.7	ug/L	103		2		62	141	20
Ethyl Benzene	50	0	51.1	ug/L	102		1		62	134	20
m/p-Xylenes	100	0	110	ug/L	110		0		83	117	20
o-Xylene	50	0	53.0	ug/L	106		2		81	120	20
Styrene	50	0	45.3	ug/L	91		1		53	143	20
Bromoform	50	0	59.8	ug/L	120		4		83	121	20
Isopropylbenzene	50	0	50.3	ug/L	101		1		76	121	20
1,1,2,2-Tetrachloroethane	50	0	54.9	ug/L	110		1		66	145	20
1,3-Dichlorobenzene	50	0	52.9	ug/L	106		2		84	110	20
1,4-Dichlorobenzene	50	0	50.8	ug/L	102		1		81	111	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits			
		Result			Rec	Qual	RPD	Qual	Low	High	RPD	
1,2-Dichlorobenzene	50	0	53.5	ug/L	107			1		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	50.2	ug/L	100			5		55	152	20
1,2,4-Trichlorobenzene	50	0	53.0	ug/L	106			8		73	120	20
1,2,3-Trichlorobenzene	50	0	54.9	ug/L	110			7		75	119	20

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

SDG No.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VN066803.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0428WBS01	Dichlorodifluoromethane	20	17.4	ug/L	87			69	116	
	Chloromethane	20	18.1	ug/L	91			65	116	
	Vinyl chloride	20	18.1	ug/L	91			65	117	
	Bromomethane	20	17.1	ug/L	86			55	134	
	Chloroethane	20	17.2	ug/L	86			73	112	
	Trichlorofluoromethane	20	17.1	ug/L	86			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.0	ug/L	90			80	112	
	1,1-Dichloroethene	20	17.5	ug/L	88			74	110	
	Acetone	100	70.8	ug/L	71			60	125	
	Carbon disulfide	20	17.2	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	16.4	ug/L	82			78	114	
	Methyl Acetate	20	17.0	ug/L	85			67	125	
	Methylene Chloride	20	17.4	ug/L	87			72	114	
	trans-1,2-Dichloroethene	20	17.8	ug/L	89			75	108	
	1,1-Dichloroethane	20	17.3	ug/L	86			78	112	
	Cyclohexane	20	16.6	ug/L	83			75	110	
	2-Butanone	100	79.1	ug/L	79			65	122	
	Carbon Tetrachloride	20	18.9	ug/L	95			77	113	
	cis-1,2-Dichloroethene	20	17.4	ug/L	87			77	110	
	Bromochloromethane	20	17.2	ug/L	86			70	124	
	Chloroform	20	17.2	ug/L	86			79	113	
	1,1,1-Trichloroethane	20	17.0	ug/L	85			80	108	
	Methylcyclohexane	20	18.9	ug/L	95			72	115	
	Benzene	20	19.3	ug/L	97			82	109	
	1,2-Dichloroethane	20	17.2	ug/L	86			80	115	
	Trichloroethene	20	19.8	ug/L	99			77	113	
	1,2-Dichloropropane	20	19.0	ug/L	95			83	111	
	Bromodichloromethane	20	18.6	ug/L	93			83	110	
	4-Methyl-2-Pentanone	100	86.2	ug/L	86			74	118	
	Toluene	20	19.2	ug/L	96			82	110	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			79	110	
	cis-1,3-Dichloropropene	20	18.6	ug/L	93			82	110	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			83	112	
	2-Hexanone	100	77.7	ug/L	78			73	117	
	Dibromochloromethane	20	19.5	ug/L	98			82	110	
	1,2-Dibromoethane	20	19.5	ug/L	98			81	110	
	Tetrachloroethene	20	20.9	ug/L	104			67	123	
	Chlorobenzene	20	19.1	ug/L	96			82	109	
	Ethyl Benzene	20	18.6	ug/L	93			83	109	
	m/p-Xylenes	40	38.9	ug/L	97			82	110	
	o-Xylene	20	18.7	ug/L	94			83	109	
	Styrene	20	18.1	ug/L	91			80	111	
	Bromoform	20	19.5	ug/L	98			79	109	
	Isopropylbenzene	20	18.4	ug/L	92			83	112	
	1,1,2,2-Tetrachloroethane	20	17.8	ug/L	89			76	118	
	1,3-Dichlorobenzene	20	18.8	ug/L	94			82	108	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			82	109	
	1,2-Dibromo-3-Chloropropane	20	14.2	ug/L	71			68	112	

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

SDG No.: M2138
Client: EA Engineering Science & Technology
Analytical Method: SW8260-Low

Datafile : VN066803.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0428WBS01	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			74	114	
	1,2,3-Trichlorobenzene	20	18.2	ug/L	91			77	113	

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

SDG No.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VN066856.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0429WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			69	116	
	Chloromethane	20	17.8	ug/L	89			65	116	
	Vinyl chloride	20	18.1	ug/L	91			65	117	
	Bromomethane	20	18.1	ug/L	91			55	134	
	Chloroethane	20	17.9	ug/L	90			73	112	
	Trichlorofluoromethane	20	17.6	ug/L	88			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			80	112	
	1,1-Dichloroethene	20	17.4	ug/L	87			74	110	
	Acetone	100	85.7	ug/L	86			60	125	
	Carbon disulfide	20	17.0	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	15.7	ug/L	79			78	114	
	Methyl Acetate	20	16.3	ug/L	81			67	125	
	Methylene Chloride	20	17.5	ug/L	88			72	114	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	108	
	1,1-Dichloroethane	20	17.0	ug/L	85			78	112	
	Cyclohexane	20	15.4	ug/L	77			75	110	
	2-Butanone	100	78.6	ug/L	79			65	122	
	Carbon Tetrachloride	20	19.3	ug/L	97			77	113	
	cis-1,2-Dichloroethene	20	17.1	ug/L	86			77	110	
	Bromochloromethane	20	16.7	ug/L	84			70	124	
	Chloroform	20	17.1	ug/L	86			79	113	
	1,1,1-Trichloroethane	20	16.9	ug/L	85			80	108	
	Methylcyclohexane	20	18.4	ug/L	92			72	115	
	Benzene	20	19.3	ug/L	97			82	109	
	1,2-Dichloroethane	20	17.4	ug/L	87			80	115	
	Trichloroethene	20	20.3	ug/L	102			77	113	
	1,2-Dichloropropane	20	19.0	ug/L	95			83	111	
	Bromodichloromethane	20	18.9	ug/L	95			83	110	
	4-Methyl-2-Pentanone	100	84.6	ug/L	85			74	118	
	Toluene	20	19.8	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			82	110	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			83	112	
	2-Hexanone	100	79.6	ug/L	80			73	117	
	Dibromochloromethane	20	20.4	ug/L	102			82	110	
	1,2-Dibromoethane	20	20.1	ug/L	101			81	110	
	Tetrachloroethene	20	22.3	ug/L	112			67	123	
	Chlorobenzene	20	19.6	ug/L	98			82	109	
	Ethyl Benzene	20	18.6	ug/L	93			83	109	
	m/p-Xylenes	40	39.4	ug/L	99			82	110	
	o-Xylene	20	18.8	ug/L	94			83	109	
	Styrene	20	18.4	ug/L	92			80	111	
	Bromoform	20	20.8	ug/L	104			79	109	
	Isopropylbenzene	20	18.3	ug/L	92			83	112	
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92			76	118	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			82	107	
	1,2-Dichlorobenzene	20	19.9	ug/L	100			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.4	ug/L	82			68	112	

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

SDG No.: M2138
Client: EA Engineering Science & Technology
Analytical Method: SW8260-Low

Datafile : VN066856.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0429WBS01	1,2,4-Trichlorobenzene	20	20.5	ug/L	103			74	114	
	1,2,3-Trichlorobenzene	20	19.8	ug/L	99			77	113	

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

SDG No.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VX021811.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0422WBS01	Dichlorodifluoromethane	20	18.5	ug/L	93			69	116	
	Chloromethane	20	17.3	ug/L	86			65	116	
	Vinyl chloride	20	17.9	ug/L	90			65	117	
	Bromomethane	20	19.2	ug/L	96			55	134	
	Chloroethane	20	17.9	ug/L	90			73	112	
	Trichlorofluoromethane	20	19.4	ug/L	97			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96			80	112	
	1,1-Dichloroethene	20	19.0	ug/L	95			74	110	
	Acetone	100	90.7	ug/L	91			60	125	
	Carbon disulfide	20	18.1	ug/L	91			64	112	
	Methyl tert-butyl Ether	20	18.6	ug/L	93			78	114	
	Methyl Acetate	20	19.0	ug/L	95			67	125	
	Methylene Chloride	20	16.9	ug/L	85			72	114	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	108	
	1,1-Dichloroethane	20	18.5	ug/L	93			78	112	
	Cyclohexane	20	18.4	ug/L	92			75	110	
	2-Butanone	100	91.4	ug/L	91			65	122	
	Carbon Tetrachloride	20	18.4	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			77	110	
	Bromochloromethane	20	19.5	ug/L	98			70	124	
	Chloroform	20	18.4	ug/L	92			79	113	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			80	108	
	Methylcyclohexane	20	18.4	ug/L	92			72	115	
	Benzene	20	18.6	ug/L	93			82	109	
	1,2-Dichloroethane	20	18.8	ug/L	94			80	115	
	Trichloroethene	20	18.6	ug/L	93			77	113	
	1,2-Dichloropropane	20	18.4	ug/L	92			83	111	
	Bromodichloromethane	20	18.1	ug/L	91			83	110	
	4-Methyl-2-Pentanone	100	92.7	ug/L	93			74	118	
	Toluene	20	18.6	ug/L	93			82	110	
	t-1,3-Dichloropropene	20	17.5	ug/L	88			79	110	
	cis-1,3-Dichloropropene	20	18.0	ug/L	90			82	110	
	1,1,2-Trichloroethane	20	18.5	ug/L	93			83	112	
	2-Hexanone	100	92.5	ug/L	93			73	117	
	Dibromochloromethane	20	18.0	ug/L	90			82	110	
	1,2-Dibromoethane	20	18.2	ug/L	91			81	110	
	Tetrachloroethene	20	17.4	ug/L	87			67	123	
	Chlorobenzene	20	18.1	ug/L	91			82	109	
	Ethyl Benzene	20	18.5	ug/L	93			83	109	
	m/p-Xylenes	40	36.4	ug/L	91			82	110	
	o-Xylene	20	18.4	ug/L	92			83	109	
	Styrene	20	18.2	ug/L	91			80	111	
	Bromoform	20	17.2	ug/L	86			79	109	
	Isopropylbenzene	20	18.9	ug/L	95			83	112	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			76	118	
	1,3-Dichlorobenzene	20	18.5	ug/L	93			82	108	
	1,4-Dichlorobenzene	20	18.3	ug/L	92			82	107	
	1,2-Dichlorobenzene	20	18.6	ug/L	93			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.9	ug/L	95			68	112	

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

SDG No.: M2138
Client: EA Engineering Science & Technology
Analytical Method: SW8260-Low

Datafile : VX021811.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0422WBS01	1,2,4-Trichlorobenzene	20	17.6	ug/L	88			74	114	
	1,2,3-Trichlorobenzene	20	18.0	ug/L	90			77	113	

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

SDG No.: M2138

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VX021838.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0423WBS01	Dichlorodifluoromethane	20	17.8	ug/L	89			69	116	
	Chloromethane	20	15.2	ug/L	76			65	116	
	Vinyl chloride	20	17.5	ug/L	88			65	117	
	Bromomethane	20	16.5	ug/L	83			55	134	
	Chloroethane	20	17.0	ug/L	85			73	112	
	Trichlorofluoromethane	20	19.3	ug/L	97			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			80	112	
	1,1-Dichloroethene	20	18.7	ug/L	94			74	110	
	Acetone	100	91.5	ug/L	92			60	125	
	Carbon disulfide	20	17.6	ug/L	88			64	112	
	Methyl tert-butyl Ether	20	18.6	ug/L	93			78	114	
	Methyl Acetate	20	19.4	ug/L	97			67	125	
	Methylene Chloride	20	17.0	ug/L	85			72	114	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	108	
	1,1-Dichloroethane	20	18.3	ug/L	92			78	112	
	Cyclohexane	20	18.5	ug/L	93			75	110	
	2-Butanone	100	93.8	ug/L	94			65	122	
	Carbon Tetrachloride	20	18.3	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			77	110	
	Bromochloromethane	20	19.5	ug/L	98			70	124	
	Chloroform	20	18.3	ug/L	92			79	113	
	1,1,1-Trichloroethane	20	18.5	ug/L	93			80	108	
	Methylcyclohexane	20	18.0	ug/L	90			72	115	
	Benzene	20	18.5	ug/L	93			82	109	
	1,2-Dichloroethane	20	18.6	ug/L	93			80	115	
	Trichloroethene	20	18.5	ug/L	93			77	113	
	1,2-Dichloropropane	20	18.0	ug/L	90			83	111	
	Bromodichloromethane	20	18.0	ug/L	90			83	110	
	4-Methyl-2-Pentanone	100	92.1	ug/L	92			74	118	
	Toluene	20	18.4	ug/L	92			82	110	
	t-1,3-Dichloropropene	20	17.3	ug/L	86			79	110	
	cis-1,3-Dichloropropene	20	17.9	ug/L	90			82	110	
	1,1,2-Trichloroethane	20	18.4	ug/L	92			83	112	
	2-Hexanone	100	91.9	ug/L	92			73	117	
	Dibromochloromethane	20	17.8	ug/L	89			82	110	
	1,2-Dibromoethane	20	18.1	ug/L	91			81	110	
	Tetrachloroethene	20	17.1	ug/L	86			67	123	
	Chlorobenzene	20	18.4	ug/L	92			82	109	
	Ethyl Benzene	20	18.5	ug/L	93			83	109	
	m/p-Xylenes	40	35.9	ug/L	90			82	110	
	o-Xylene	20	17.9	ug/L	90			83	109	
	Styrene	20	18.1	ug/L	91			80	111	
	Bromoform	20	17.1	ug/L	86			79	109	
	Isopropylbenzene	20	18.9	ug/L	95			83	112	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			76	118	
	1,3-Dichlorobenzene	20	18.3	ug/L	92			82	108	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			82	107	
	1,2-Dichlorobenzene	20	18.5	ug/L	93			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92			68	112	

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

SDG No.: M2138
Client: EA Engineering Science & Technology
Analytical Method: SW8260-Low

Datafile : VX021838.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0423WBS01	1,2,4-Trichlorobenzene	20	17.7	ug/L	89			74	114	
	1,2,3-Trichlorobenzene	20	18.1	ug/L	91			77	113	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0428WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2138

SAS No.: M2138 SDG NO.: M2138

Lab File ID: VN066802.D

Lab Sample ID: VN0428WBL01

Date Analyzed: 04/28/2021

Time Analyzed: 11:06

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
VN0428WBS01	VN0428WBS01	VN066803.D	04/28/2021
152140-FD-01	M2138-18	VN066812.D	04/28/2021
152140-14S	M2138-20	VN066814.D	04/28/2021
152140-14D	M2138-21	VN066815.D	04/28/2021
152140-MW-15DMS	M2138-14MS	VN066816.D	04/28/2021
152140-MW-15DMSD	M2138-15MSD	VN066817.D	04/28/2021

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0429WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2138

SAS No.: M2138 SDG NO.: M2138

Lab File ID: VN066855.D

Lab Sample ID: VN0429WBL01

Date Analyzed: 04/29/2021

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
VN0429WBS01	VN0429WBS01	VN066856.D	04/29/2021
152140-DDC-4-PS	M2138-17	VN066862.D	04/29/2021
152140-FD-02	M2138-19	VN066863.D	04/29/2021
152140-MW-15D	M2138-13	VN066864.D	04/29/2021
152140-DDC-4-PD	M2138-16	VN066865.D	04/29/2021

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0422WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2138

SAS No.: M2138 SDG NO.: M2138

Lab File ID: VX021810.D

Lab Sample ID: VX0422WBL01

Date Analyzed: 04/22/2021

Time Analyzed: 12:38

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0422WBS01	VX0422WBS01	VX021811.D	04/22/2021
152140-FB-042021	M2138-22	VX021822.D	04/22/2021
152140-MW-5D	M2138-01	VX021823.D	04/22/2021
152140-MW-5S	M2138-02	VX021824.D	04/22/2021
152140-DDC-2-PD	M2138-03	VX021825.D	04/22/2021
152140-MW-2D (ONSITE)	M2138-07	VX021829.D	04/22/2021
152140-MW-1D (ONSITE)	M2138-08	VX021830.D	04/22/2021
152140-MW-1S (ONSITE)	M2138-09	VX021831.D	04/22/2021
152140-MW-2AD	M2138-10	VX021832.D	04/22/2021
152140-MW-2A	M2138-11	VX021833.D	04/22/2021

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0423WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: M2138

SAS No.: M2138 SDG NO.: M2138

Lab File ID: VX021837.D

Lab Sample ID: VX0423WBL01

Date Analyzed: 04/23/2021

Time Analyzed: 13:10

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0423WBS01	VX0423WBS01	VX021838.D	04/23/2021
152140-DDC-2-PDDL	M2138-03DL	VX021840.D	04/23/2021
152140-MW-3D (ONSITE)	M2138-04	VX021842.D	04/23/2021
152140-DDC-2-PS	M2138-05	VX021843.D	04/23/2021
152140-MW-2S (ONSITE)	M2138-06	VX021844.D	04/23/2021
152140-RB-042021	M2138-23	VX021858.D	04/23/2021
152140-MW-15S	M2138-12	VX021860.D	04/23/2021

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>EAEN05</u>
Lab Code: <u>CHEM</u> Case No.: <u>M2138</u>	SAS No.: <u>M2138</u> SDG NO.: <u>M2138</u>
Lab File ID: <u>VN066771.D</u>	BFB Injection Date: <u>04/27/2021</u>
Instrument ID: <u>MSVOA_N</u>	BFB Injection Time: <u>10:22</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	49.7
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 (1.1) 1
174	50.0 - 100.0% of mass 95	81.1
175	5.0 - 9.0% of mass 174	6.4 (7.9) 1
176	95.0 - 101.0% of mass 174	81.1 (100) 1
177	5.0 - 9.0% of mass 176	5.3 (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
VSTDIC001	VSTDIC001	VN066772.D	04/27/2021	10:51
VSTDIC005	VSTDIC005	VN066773.D	04/27/2021	11:15
VSTDIC020	VSTDIC020	VN066774.D	04/27/2021	11:39
VSTDIC050	VSTDIC050	VN066775.D	04/27/2021	12:02
VSTDIC100	VSTDIC100	VN066776.D	04/27/2021	12:26
VSTDIC040	VSTDIC040	VN066779.D	04/27/2021	13:45

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	EAEN05	
Lab Code:	CHEM	Case No.:	M2138	SAS No.:	M2138
Lab File ID:	VN066799.D		BFB Injection Date:	04/28/2021	
Instrument ID:	MSVOA_N		BFB Injection Time:	08:55	
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	17.1
75	30.0 - 60.0% of mass 95	46.9
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	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	84.9
175	5.0 - 9.0% of mass 174	6 (7.1) 1
176	95.0 - 101.0% of mass 174	82.2 (96.9) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 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	VN066800.D	04/28/2021	10:08
VN0428WBL01	VN0428WBL01	VN066802.D	04/28/2021	11:06
VN0428WBS01	VN0428WBS01	VN066803.D	04/28/2021	11:35
152140-FD-01	M2138-18	VN066812.D	04/28/2021	15:06
152140-14S	M2138-20	VN066814.D	04/28/2021	15:54
152140-14D	M2138-21	VN066815.D	04/28/2021	16:17
152140-MW-15DMS	M2138-14MS	VN066816.D	04/28/2021	16:42
152140-MW-15DMSD	M2138-15MSD	VN066817.D	04/28/2021	17:03

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	EAEN05	
Lab Code:	CHEM	Case No.:	M2138	SAS No.:	M2138
Lab File ID:	VN066852.D		BFB Injection Date:	04/29/2021	
Instrument ID:	MSVOA_N		BFB Injection Time:	09:27	
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	16.2
75	30.0 - 60.0% of mass 95	47.9
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	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	91.4
175	5.0 - 9.0% of mass 174	6.7 (7.4) 1
176	95.0 - 101.0% of mass 174	87.7 (95.9) 1
177	5.0 - 9.0% of mass 176	6.2 (7.1) 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	VN066853.D	04/29/2021	09:58
VN0429WBL01	VN0429WBL01	VN066855.D	04/29/2021	11:34
VN0429WBS01	VN0429WBS01	VN066856.D	04/29/2021	12:04
152140-DDC-4-PS	M2138-17	VN066862.D	04/29/2021	15:19
152140-FD-02	M2138-19	VN066863.D	04/29/2021	15:40
152140-MW-15D	M2138-13	VN066864.D	04/29/2021	16:03
152140-DDC-4-PD	M2138-16	VN066865.D	04/29/2021	16:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>EAEN05</u>
Lab Code: <u>CHEM</u> Case No.: <u>M2138</u>	SAS No.: <u>M2138</u> SDG NO.: <u>M2138</u>
Lab File ID: <u>VX021748.D</u>	BFB Injection Date: <u>04/20/2021</u>
Instrument ID: <u>MSVOA_X</u>	BFB Injection Time: <u>10:46</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.3
75	30.0 - 60.0% of mass 95	46
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6 (7.8) 1
176	95.0 - 101.0% of mass 174	75.3 (96.7) 1
177	5.0 - 9.0% of mass 176	5.2 (6.9) 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
VSTDIC001	VSTDIC001	VX021749.D	04/20/2021	11:17
VSTDIC005	VSTDIC005	VX021750.D	04/20/2021	11:46
VSTDIC020	VSTDIC020	VX021751.D	04/20/2021	12:10
VSTDIC050	VSTDIC050	VX021752.D	04/20/2021	12:33
VSTDIC100	VSTDIC100	VX021753.D	04/20/2021	12:56
VSTDIC150	VSTDIC150	VX021754.D	04/20/2021	13:20

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	EAEN05	
Lab Code:	CHEM	Case No.:	M2138	SAS No.:	M2138
				SDG NO.:	M2138
Lab File ID:	VX021808.D		BFB Injection Date:	04/22/2021	
Instrument ID:	MSVOA_X		BFB Injection Time:	10:16	
GC Column:	DB-624UI	ID:	0.18	(mm)	
			Heated Purge:	Y/N	N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.3
75	30.0 - 60.0% of mass 95	46.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.8 (7.7) 1
176	95.0 - 101.0% of mass 174	74.1 (98.7) 1
177	5.0 - 9.0% of mass 176	5 (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
VSTDCCC050	VSTDCCC050	VX021809.D	04/22/2021	10:51
VX0422WBL01	VX0422WBL01	VX021810.D	04/22/2021	12:38
VX0422WBS01	VX0422WBS01	VX021811.D	04/22/2021	13:07
152140-FB-042021	M2138-22	VX021822.D	04/22/2021	17:19
152140-MW-5D	M2138-01	VX021823.D	04/22/2021	17:42
152140-MW-5S	M2138-02	VX021824.D	04/22/2021	18:05
152140-DDC-2-PD	M2138-03	VX021825.D	04/22/2021	18:27
152140-MW-2D (ONSITE)	M2138-07	VX021829.D	04/22/2021	19:58
152140-MW-1D (ONSITE)	M2138-08	VX021830.D	04/22/2021	20:21
152140-MW-1S (ONSITE)	M2138-09	VX021831.D	04/22/2021	20:44
152140-MW-2AD	M2138-10	VX021832.D	04/22/2021	21:07
152140-MW-2A	M2138-11	VX021833.D	04/22/2021	21:29

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>EAEN05</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>M2138</u>
Lab File ID:	<u>VX021835.D</u>	SAS No.:	<u>M2138</u>
Instrument ID:	<u>MSVOA_X</u>	SDG NO.:	<u>M2138</u>
GC Column:	<u>DB-624UI</u>	BFB Injection Date:	<u>04/23/2021</u>
ID:	<u>0.18</u>	BFB Injection Time:	<u>11:01</u>
(mm)		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.4
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.7 (7.4) 1
176	95.0 - 101.0% of mass 174	74.6 (96.6) 1
177	5.0 - 9.0% of mass 176	5.3 (7.1) 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	VX021836.D	04/23/2021	12:07
VX0423WBL01	VX0423WBL01	VX021837.D	04/23/2021	13:10
VX0423WBS01	VX0423WBS01	VX021838.D	04/23/2021	13:38
152140-DDC-2-PDDL	M2138-03DL	VX021840.D	04/23/2021	14:28
152140-MW-3D (ONSITE)	M2138-04	VX021842.D	04/23/2021	15:14
152140-DDC-2-PS	M2138-05	VX021843.D	04/23/2021	15:37
152140-MW-2S (ONSITE)	M2138-06	VX021844.D	04/23/2021	16:00
152140-RB-042021	M2138-23	VX021858.D	04/23/2021	21:18
152140-MW-15S	M2138-12	VX021860.D	04/23/2021	22:03

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG NO.: M2138
 Lab File ID: VN066800.D Date Analyzed: 04/28/2021
 Instrument ID: MSVOA_N Time Analyzed: 10:08
 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	307069	7.59	468145	8.52	438462	11.35
UPPER LIMIT	614138	8.088	936290	9.016	876924	11.848
LOWER LIMIT	153535	7.088	234073	8.016	219231	10.848
EPA SAMPLE NO.						
152140-MW-15DMS	244636	7.59	435157	8.52	405514	11.35
152140-MW-15DMSD	268774	7.59	457974	8.52	427686	11.35
152140-FD-01	344464	7.59	521385	8.52	461652	11.35
152140-14S	332119	7.59	504664	8.52	445626	11.35
152140-14D	333372	7.59	510408	8.52	444855	11.35
VN0428WBL01	342370	7.59	518244	8.52	454653	11.35
VN0428WBS01	324394	7.59	493150	8.52	453711	11.35

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG NO.: M2138
 Lab File ID: VN066800.D Date Analyzed: 04/28/2021
 Instrument ID: MSVOA_N Time Analyzed: 10:08
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	226535	13.285				
UPPER LIMIT	453070	13.785				
LOWER LIMIT	113268	12.785				
EPA SAMPLE NO.						
152140-MW-15DMS	194826	13.29				
152140-MW-15DMSD	201159	13.29				
152140-FD-01	182600	13.29				
152140-14S	188287	13.29				
152140-14D	193109	13.29				
VN0428WBL01	196005	13.29				
VN0428WBS01	214564	13.29				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG NO.: M2138
 Lab File ID: VN066853.D Date Analyzed: 04/29/2021
 Instrument ID: MSVOA_N Time Analyzed: 09:58
 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	309336	7.59	440947	8.52	420112	11.35
UPPER LIMIT	618672	8.088	881894	9.016	840224	11.849
LOWER LIMIT	154668	7.088	220474	8.016	210056	10.849
EPA SAMPLE NO.						
152140-MW-15D	305798	7.59	461773	8.52	409035	11.35
152140-DDC-4-PD	300939	7.59	454408	8.52	389988	11.35
152140-DDC-4-PS	304775	7.60	462269	8.52	391963	11.35
152140-FD-02	311748	7.59	473290	8.52	417127	11.35
VN0429WBL01	291953	7.59	441894	8.52	390603	11.35
VN0429WBS01	307989	7.59	457402	8.52	417950	11.35

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG NO.: M2138
 Lab File ID: VN066853.D Date Analyzed: 04/29/2021
 Instrument ID: MSVOA_N Time Analyzed: 09:58
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	217513	13.288				
UPPER LIMIT	435026	13.788				
LOWER LIMIT	108757	12.788				
EPA SAMPLE NO.						
152140-MW-15D	162868	13.29				
152140-DDC-4-PD	154498	13.29				
152140-DDC-4-PS	162166	13.29				
152140-FD-02	167436	13.29				
VN0429WBL01	162651	13.29				
VN0429WBS01	198610	13.29				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG NO.: M2138
 Lab File ID: VX021809.D Date Analyzed: 04/22/2021
 Instrument ID: MSVOA_X Time Analyzed: 10:51
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	187201	5.62	299538	6.82	281153	10.09
UPPER LIMIT	374402	6.123	599076	7.324	562306	10.591
LOWER LIMIT	93600.5	5.123	149769	6.324	140577	9.591
EPA SAMPLE NO.						
152140-MW-5D	158753	5.63	287128	6.83	305238	10.09
152140-MW-5S	152537	5.63	275254	6.83	287877	10.09
152140-DDC-2-PD	154943	5.63	277307	6.83	297292	10.09
152140-MW-2D (ONSITE)	158237	5.63	284777	6.83	301424	10.09
152140-MW-1D (ONSITE)	157654	5.63	281743	6.83	301204	10.10
152140-MW-1S (ONSITE)	157704	5.63	289803	6.83	314132	10.09
152140-MW-2AD	155769	5.63	284006	6.83	295797	10.09
152140-MW-2A	149354	5.63	276076	6.83	286511	10.09
152140-FB-042021	154850	5.63	280659	6.83	297820	10.09
VX0422WBL01	168239	5.62	303379	6.82	323438	10.09
VX0422WBS01	188577	5.62	304197	6.82	279889	10.09

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG NO.: M2138
 Lab File ID: VX021809.D Date Analyzed: 04/22/2021
 Instrument ID: MSVOA_X Time Analyzed: 10:51
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	142169	12.06				
UPPER LIMIT	284338	12.56				
LOWER LIMIT	71084.5	11.56				
EPA SAMPLE NO.						
152140-MW-5D	164598	12.06				
152140-MW-5S	152344	12.06				
152140-DDC-2-PD	162956	12.06				
152140-MW-2D (ONSITE)	161608	12.06				
152140-MW-1D (ONSITE)	161200	12.06				
152140-MW-1S (ONSITE)	165366	12.06				
152140-MW-2AD	160233	12.06				
152140-MW-2A	156260	12.06				
152140-FB-042021	159128	12.06				
VX0422WBL01	170414	12.06				
VX0422WBS01	138151	12.06				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG NO.: M2138
 Lab File ID: VX021836.D Date Analyzed: 04/23/2021
 Instrument ID: MSVOA_X Time Analyzed: 12:07
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	185228	5.62	292511	6.82	269500	10.09
UPPER LIMIT	370456	6.123	585022	7.324	539000	10.592
LOWER LIMIT	92614	5.123	146256	6.324	134750	9.592
EPA SAMPLE NO.						
152140-DDC-2-PDDL	177466	5.63	291773	6.83	258951	10.09
152140-MW-3D (ONSITE)	175575	5.63	297068	6.83	271724	10.09
152140-DDC-2-PS	182780	5.63	305372	6.83	277480	10.09
152140-MW-2S (ONSITE)	172868	5.63	292416	6.83	262583	10.09
152140-MW-15S	180696	5.63	304033	6.83	275165	10.09
152140-RB-042021	178572	5.63	300345	6.83	280272	10.09
VX0423WBL01	165129	5.62	274844	6.82	243996	10.09
VX0423WBS01	194837	5.62	314123	6.82	287206	10.09

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG NO.: M2138
 Lab File ID: VX021836.D Date Analyzed: 04/23/2021
 Instrument ID: MSVOA_X Time Analyzed: 12:07
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	137162	12.061				
UPPER LIMIT	274324	12.561				
LOWER LIMIT	68581	11.561				
EPA SAMPLE NO.						
152140-DDC-2-PDDL	119634	12.06				
152140-MW-3D (ONSITE)	133707	12.06				
152140-DDC-2-PS	135455	12.06				
152140-MW-2S (ONSITE)	128146	12.06				
152140-MW-15S	139793	12.06				
152140-RB-042021	142233	12.06				
VX0423WBL01	114522	12.06				
VX0423WBS01	140827	12.06				

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:	VN0428WBL01		SDG No.:	M2138
Lab Sample ID:	VN0428WBL01		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
VN066802.D	1		04/28/21 11:06	VN042821

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:	VN0428WBL01		SDG No.:	M2138
Lab Sample ID:	VN0428WBL01		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
VN066802.D	1		04/28/21 11:06	VN042821

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	42.7		78 - 117	85%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		92 - 112	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		83 - 123	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	342000	7.591			
540-36-3	1,4-Difluorobenzene	518000	8.519			
3114-55-4	Chlorobenzene-d5	455000	11.348			
3855-82-1	1,4-Dichlorobenzene-d4	196000	13.29			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0428WBL01		SDG No.:	M2138
Lab Sample ID:	VN0428WBL01		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
VN066802.D	1		04/28/21 11:06	VN042821

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:	VN0429WBL01		SDG No.:	M2138
Lab Sample ID:	VN0429WBL01		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
VN066855.D	1		04/29/21 11:34	VN042921

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:	VN0429WBL01		SDG No.:	M2138
Lab Sample ID:	VN0429WBL01		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
VN066855.D	1		04/29/21 11:34	VN042921

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	44.9		78 - 117	90%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	52.2		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		83 - 123	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	292000	7.591			
540-36-3	1,4-Difluorobenzene	442000	8.519			
3114-55-4	Chlorobenzene-d5	391000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.293			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0429WBL01		SDG No.:	M2138
Lab Sample ID:	VN0429WBL01		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
VN066855.D	1		04/29/21 11:34	VN042921

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:	VX0422WBL01		SDG No.:	M2138
Lab Sample ID:	VX0422WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021810.D	1		04/22/21 12:38	VX042221

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:	VX0422WBL01		SDG No.:	M2138
Lab Sample ID:	VX0422WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021810.D	1		04/22/21 12:38	VX042221

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	50.6		78 - 117	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.9		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.6		83 - 123	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	5.623			
540-36-3	1,4-Difluorobenzene	303000	6.824			
3114-55-4	Chlorobenzene-d5	323000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	170000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VX0422WBL01		SDG No.:	M2138
Lab Sample ID:	VX0422WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021810.D	1		04/22/21 12:38	VX042221

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:	VX0423WBL01		SDG No.:	M2138
Lab Sample ID:	VX0423WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021837.D	1		04/23/21 13:10	VX042321

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:	VX0423WBL01		SDG No.:	M2138
Lab Sample ID:	VX0423WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021837.D	1		04/23/21 13:10	VX042321

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	48.4		78 - 117	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.3		92 - 112	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		83 - 123	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	5.623			
540-36-3	1,4-Difluorobenzene	275000	6.824			
3114-55-4	Chlorobenzene-d5	244000	10.092			
3855-82-1	1,4-Dichlorobenzene-d4	115000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VX0423WBL01		SDG No.:	M2138
Lab Sample ID:	VX0423WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021837.D	1		04/23/21 13:10	VX042321

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:	VN0428WBS01		SDG No.:	M2138
Lab Sample ID:	VN0428WBS01		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
VN066803.D	1		04/28/21 11:35	VN042821

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	18.1		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.19	1.00	ug/L
74-83-9	Bromomethane	17.1		0.87	5.00	ug/L
75-00-3	Chloroethane	17.2		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.1		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.0		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	70.8		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	16.4		0.22	1.00	ug/L
79-20-9	Methyl Acetate	17.0		0.47	1.00	ug/L
75-09-2	Methylene Chloride	17.4		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.8		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.3		0.21	1.00	ug/L
110-82-7	Cyclohexane	16.6		1.30	5.00	ug/L
78-93-3	2-Butanone	79.1		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.22	1.00	ug/L
74-97-5	Bromochloromethane	17.2		0.26	1.00	ug/L
67-66-3	Chloroform	17.2		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.9		0.14	1.00	ug/L
71-43-2	Benzene	19.3		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.2		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	86.2		0.87	5.00	ug/L
108-88-3	Toluene	19.2		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.6		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:	VN0428WBS01		SDG No.:	M2138
Lab Sample ID:	VN0428WBS01		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
VN066803.D	1		04/28/21 11:35	VN042821

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	77.7		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.1		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.32	2.00	ug/L
95-47-6	o-Xylene	18.7		0.19	1.00	ug/L
100-42-5	Styrene	18.1		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.8		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	14.2		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.2		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.1		78 - 117	86%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.4		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	324000	7.591			
540-36-3	1,4-Difluorobenzene	493000	8.516			
3114-55-4	Chlorobenzene-d5	454000	11.348			
3855-82-1	1,4-Dichlorobenzene-d4	215000	13.287			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0428WBS01		SDG No.:	M2138
Lab Sample ID:	VN0428WBS01		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
VN066803.D	1		04/28/21 11:35	VN042821

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:	VN0429WBS01		SDG No.:	M2138
Lab Sample ID:	VN0429WBS01		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
VN066856.D	1		04/29/21 12:04	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.23	1.00	ug/L
74-87-3	Chloromethane	17.8		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.19	1.00	ug/L
74-83-9	Bromomethane	18.1		0.87	5.00	ug/L
75-00-3	Chloroethane	17.9		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.26	1.00	ug/L
67-64-1	Acetone	85.7		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	15.7		0.22	1.00	ug/L
79-20-9	Methyl Acetate	16.3		0.47	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.0		0.21	1.00	ug/L
110-82-7	Cyclohexane	15.4		1.30	5.00	ug/L
78-93-3	2-Butanone	78.6		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.1		0.22	1.00	ug/L
74-97-5	Bromochloromethane	16.7		0.26	1.00	ug/L
67-66-3	Chloroform	17.1		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.4		0.14	1.00	ug/L
71-43-2	Benzene	19.3		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.4		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.3		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	84.6		0.87	5.00	ug/L
108-88-3	Toluene	19.8		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	18.8		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:	VN0429WBS01		SDG No.:	M2138
Lab Sample ID:	VN0429WBS01		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
VN066856.D	1		04/29/21 12:04	VN042921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.4		0.24	1.00	ug/L
591-78-6	2-Hexanone	79.6		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.3		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	39.4		0.32	2.00	ug/L
95-47-6	o-Xylene	18.8		0.19	1.00	ug/L
100-42-5	Styrene	18.4		0.16	1.00	ug/L
75-25-2	Bromoform	20.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.4		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.4		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.5		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.8		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.3		78 - 117	81%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.3		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		83 - 123	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	308000	7.588			
540-36-3	1,4-Difluorobenzene	457000	8.516			
3114-55-4	Chlorobenzene-d5	418000	11.349			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.288			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VN0429WBS01		SDG No.:	M2138
Lab Sample ID:	VN0429WBS01		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
VN066856.D	1		04/29/21 12:04	VN042921

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:	VX0422WBS01		SDG No.:	M2138
Lab Sample ID:	VX0422WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021811.D	1		04/22/21 13:07	VX042221

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		0.23	1.00	ug/L
74-87-3	Chloromethane	17.3		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.19	1.00	ug/L
74-83-9	Bromomethane	19.2		0.87	5.00	ug/L
75-00-3	Chloroethane	17.9		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	1.00	ug/L
67-64-1	Acetone	90.7		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	18.1		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.6		0.22	1.00	ug/L
79-20-9	Methyl Acetate	19.0		0.47	1.00	ug/L
75-09-2	Methylene Chloride	16.9		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.5		0.21	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.30	5.00	ug/L
78-93-3	2-Butanone	91.4		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.22	1.00	ug/L
74-97-5	Bromochloromethane	19.5		0.26	1.00	ug/L
67-66-3	Chloroform	18.4		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	18.4		0.14	1.00	ug/L
71-43-2	Benzene	18.6		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.25	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.4		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	18.1		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.7		0.87	5.00	ug/L
108-88-3	Toluene	18.6		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.5		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.0		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:	VX0422WBS01		SDG No.:	M2138
Lab Sample ID:	VX0422WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021811.D	1		04/22/21 13:07	VX042221

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	18.5		0.24	1.00	ug/L
591-78-6	2-Hexanone	92.5		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	18.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	17.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	18.1		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	36.4		0.32	2.00	ug/L
95-47-6	o-Xylene	18.4		0.19	1.00	ug/L
100-42-5	Styrene	18.2		0.16	1.00	ug/L
75-25-2	Bromoform	17.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.5		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.3		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.6		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.0		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.4		78 - 117	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	46.9		92 - 112	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		83 - 123	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	189000	5.623			
540-36-3	1,4-Difluorobenzene	304000	6.824			
3114-55-4	Chlorobenzene-d5	280000	10.091			
3855-82-1	1,4-Dichlorobenzene-d4	138000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VX0422WBS01		SDG No.:	M2138
Lab Sample ID:	VX0422WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021811.D	1		04/22/21 13:07	VX042221

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:	VX0423WBS01		SDG No.:	M2138
Lab Sample ID:	VX0423WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021838.D	1		04/23/21 13:38	VX042321

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	15.2		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.19	1.00	ug/L
74-83-9	Bromomethane	16.5		0.87	5.00	ug/L
75-00-3	Chloroethane	17.0		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.3		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.26	1.00	ug/L
67-64-1	Acetone	91.5		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.6		0.22	1.00	ug/L
79-20-9	Methyl Acetate	19.4		0.47	1.00	ug/L
75-09-2	Methylene Chloride	17.0		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.3		0.21	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.30	5.00	ug/L
78-93-3	2-Butanone	93.8		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	18.6		0.22	1.00	ug/L
74-97-5	Bromochloromethane	19.5		0.26	1.00	ug/L
67-66-3	Chloroform	18.3		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.0		0.14	1.00	ug/L
71-43-2	Benzene	18.5		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.6		0.25	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.0		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	18.0		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.1		0.87	5.00	ug/L
108-88-3	Toluene	18.4		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.3		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.9		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:	VX0423WBS01		SDG No.:	M2138
Lab Sample ID:	VX0423WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021838.D	1		04/23/21 13:38	VX042321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	18.4		0.24	1.00	ug/L
591-78-6	2-Hexanone	91.9		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	17.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	17.1		0.17	1.00	ug/L
108-90-7	Chlorobenzene	18.4		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	35.9		0.32	2.00	ug/L
95-47-6	o-Xylene	17.9		0.19	1.00	ug/L
100-42-5	Styrene	18.1		0.16	1.00	ug/L
75-25-2	Bromoform	17.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.3		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.7		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.1		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		78 - 117	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	47.8		92 - 112	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		83 - 123	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	5.623			
540-36-3	1,4-Difluorobenzene	314000	6.824			
3114-55-4	Chlorobenzene-d5	287000	10.091			
3855-82-1	1,4-Dichlorobenzene-d4	141000	12.061			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	
Project:	NYSDEC - National Heatset		Date Received:	
Client Sample ID:	VX0423WBS01		SDG No.:	M2138
Lab Sample ID:	VX0423WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021838.D	1		04/23/21 13:38	VX042321

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-15DMS	SDG No.:	M2138
Lab Sample ID:	M2138-14MS	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
VN066816.D	1		04/28/21 16:42	VN042821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	51.4		0.23	1.00	ug/L
74-87-3	Chloromethane	60.0		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	57.5		0.19	1.00	ug/L
74-83-9	Bromomethane	47.8		0.87	5.00	ug/L
75-00-3	Chloroethane	55.0		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.9		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	47.8		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	55.3		0.26	1.00	ug/L
67-64-1	Acetone	270		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	48.7		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	58.2		0.22	1.00	ug/L
79-20-9	Methyl Acetate	16.8		0.47	1.00	ug/L
75-09-2	Methylene Chloride	58.7		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	55.5		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	57.9		0.21	1.00	ug/L
110-82-7	Cyclohexane	47.0		1.30	5.00	ug/L
78-93-3	2-Butanone	300		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	50.6		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	59.2		0.22	1.00	ug/L
74-97-5	Bromochloromethane	54.8		0.26	1.00	ug/L
67-66-3	Chloroform	58.6		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	55.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	40.5		0.14	1.00	ug/L
71-43-2	Benzene	54.2		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	49.6		0.25	1.00	ug/L
79-01-6	Trichloroethene	52.5		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	54.7		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	53.3		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.87	5.00	ug/L
108-88-3	Toluene	53.8		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	35.1		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	34.3		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-15DMS	SDG No.:	M2138
Lab Sample ID:	M2138-14MS	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
VN066816.D	1		04/28/21 16:42	VN042821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	58.1		0.24	1.00	ug/L
591-78-6	2-Hexanone	240		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	58.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	58.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	99.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	52.5		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	51.5		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.32	2.00	ug/L
95-47-6	o-Xylene	54.0		0.19	1.00	ug/L
100-42-5	Styrene	45.0		0.16	1.00	ug/L
75-25-2	Bromoform	62.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	49.6		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	55.3		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	51.6		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.1		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	47.9		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	51.3		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		78 - 117	104%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	51.1		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	7.591			
540-36-3	1,4-Difluorobenzene	435000	8.519			
3114-55-4	Chlorobenzene-d5	406000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	195000	13.287			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-15DMS		SDG No.:	M2138
Lab Sample ID:	M2138-14MS		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
VN066816.D	1		04/28/21 16:42	VN042821

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:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-15DMSD	SDG No.:	M2138
Lab Sample ID:	M2138-15MSD	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
VN066817.D	1		04/28/21 17:03	VN042821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	50.0		0.23	1.00	ug/L
74-87-3	Chloromethane	55.8		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	54.6		0.19	1.00	ug/L
74-83-9	Bromomethane	46.4		0.87	5.00	ug/L
75-00-3	Chloroethane	53.6		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	50.4		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	46.8		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.8		0.26	1.00	ug/L
67-64-1	Acetone	250		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	47.3		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.8		0.22	1.00	ug/L
79-20-9	Methyl Acetate	18.0		0.47	1.00	ug/L
75-09-2	Methylene Chloride	53.8		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	52.7		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.4		0.21	1.00	ug/L
110-82-7	Cyclohexane	45.6		1.30	5.00	ug/L
78-93-3	2-Butanone	280		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	50.0		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.2		0.22	1.00	ug/L
74-97-5	Bromochloromethane	51.6		0.26	1.00	ug/L
67-66-3	Chloroform	53.5		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	51.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	43.2		0.14	1.00	ug/L
71-43-2	Benzene	52.0		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	47.1		0.25	1.00	ug/L
79-01-6	Trichloroethene	52.4		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	52.2		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	51.4		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	270		0.87	5.00	ug/L
108-88-3	Toluene	52.5		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	34.0		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	32.9		0.17	1.00	ug/L

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	04/20/21
Project:	NYSDEC - National Heatset	Date Received:	04/22/21
Client Sample ID:	152140-MW-15DMSD	SDG No.:	M2138
Lab Sample ID:	M2138-15MSD	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
VN066817.D	1		04/28/21 17:03	VN042821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	55.1		0.24	1.00	ug/L
591-78-6	2-Hexanone	230		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	56.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	56.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	100	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	51.7		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	51.1		0.18	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.32	2.00	ug/L
95-47-6	o-Xylene	53.0		0.19	1.00	ug/L
100-42-5	Styrene	45.3		0.16	1.00	ug/L
75-25-2	Bromoform	59.8		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	54.9		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	52.9		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.8		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	50.2		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	53.0		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	54.9		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	52.6		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.1		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.594			
540-36-3	1,4-Difluorobenzene	458000	8.519			
3114-55-4	Chlorobenzene-d5	428000	11.351			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.288			

Report of Analysis

Client:	EA Engineering Science & Technology		Date Collected:	04/20/21
Project:	NYSDEC - National Heatset		Date Received:	04/22/21
Client Sample ID:	152140-MW-15DMSD		SDG No.:	M2138
Lab Sample ID:	M2138-15MSD		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
VN066817.D	1		04/28/21 17:03	VN042821

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_N Calibration Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Calibration Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN066772.D		RRF005 = VN066773.D		RRF020 = VN066774.D		
		RRF050 = VN066775.D		RRF100 = VN066776.D		RRF040 = VN066779.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF040	RRF	% RSD
Dichlorodifluoromethane	0.483	0.595	0.515	0.560	0.579	0.518	0.542	8
Chloromethane	0.793	0.781	0.647	0.695	0.717	0.635	0.711	9.3
Vinyl Chloride	0.650	0.754	0.654	0.712	0.742	0.655	0.695	6.9
Bromomethane		0.507	0.426	0.453	0.456	0.425	0.453	7.3
Chloroethane	0.397	0.490	0.418	0.442	0.434	0.413	0.432	7.5
Trichlorofluoromethane	0.791	0.926	0.787	0.840	0.876	0.793	0.835	6.8
1,1,2-Trichlorotrifluoroethane	0.466	0.548	0.463	0.497	0.515	0.477	0.494	6.7
1,1-Dichloroethene	0.456	0.549	0.470	0.516	0.539	0.472	0.500	7.9
Acetone	0.267	0.241	0.201	0.236	0.242	0.267	0.242	10
Carbon Disulfide	1.482	1.652	1.433	1.562	1.634	1.449	1.535	6.2
Methyl tert-butyl Ether	1.579	1.794	1.605	1.786	1.874	1.642	1.714	7
Methyl Acetate	1.072	0.776	0.584	0.653	0.673	0.585	0.724	25.5
Methylene Chloride	0.619	0.692	0.560	0.611	0.639	0.563	0.614	8.1
trans-1,2-Dichloroethene	0.461	0.583	0.512	0.563	0.590	0.521	0.538	9.2
1,1-Dichloroethane	0.921	1.152	0.984	1.077	1.117	0.982	1.039	8.7
Cyclohexane		1.165	0.893	0.979	1.018	0.912	0.993	10.9
2-Butanone	0.280	0.350	0.308	0.367	0.387	0.353	0.341	11.7
Carbon Tetrachloride	0.412	0.477	0.408	0.463	0.482	0.432	0.446	7.3
cis-1,2-Dichloroethene	0.552	0.673	0.584	0.651	0.678	0.596	0.623	8.4
Bromochloromethane	0.422	0.505	0.448	0.480	0.530	0.474	0.477	8.1
Chloroform	0.895	1.109	0.960	1.043	1.082	0.961	1.008	8.2
1,1,1-Trichloroethane	0.820	0.912	0.808	0.888	0.929	0.814	0.862	6.3
Methylcyclohexane	0.444	0.550	0.516	0.586	0.624	0.578	0.550	11.5
Benzene	1.266	1.514	1.367	1.514	1.567	1.424	1.442	7.8
1,2-Dichloroethane	0.441	0.512	0.455	0.509	0.528	0.477	0.487	7.2
Trichloroethene	0.299	0.375	0.329	0.369	0.385	0.349	0.351	9.3
1,2-Dichloropropane	0.351	0.405	0.360	0.400	0.420	0.374	0.385	7.1
Bromodichloromethane	0.422	0.519	0.462	0.519	0.548	0.486	0.493	9.2
4-Methyl-2-Pentanone	0.289	0.428	0.404	0.483	0.507	0.445	0.426	18
Toluene	0.736	0.887	0.826	0.923	0.958	0.873	0.867	9
t-1,3-Dichloropropene	0.411	0.518	0.493	0.578	0.618	0.545	0.527	13.6
cis-1,3-Dichloropropene	0.495	0.582	0.559	0.635	0.672	0.601	0.591	10.4
1,1,2-Trichloroethane	0.271	0.347	0.317	0.357	0.371	0.336	0.333	10.7

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_N Calibration Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Calibration Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN066772.D	RRF005 = VN066773.D	RRF020 = VN066774.D					
	RRF050 = VN066775.D	RRF100 = VN066776.D	RRF040 = VN066779.D					
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF040	RRF	% RSD
2-Hexanone	0.089	0.203	0.243	0.322	0.358	0.304	0.253	38.7
Dibromochloromethane	0.293	0.365	0.342	0.396	0.414	0.367	0.363	11.6
1,2-Dibromoethane	0.249	0.338	0.321	0.368	0.386	0.342	0.334	14.3
Tetrachloroethene	0.317	0.350	0.310	0.336	0.346	0.325	0.331	4.8
Chlorobenzene	0.879	1.068	0.949	1.051	1.092	0.995	1.006	8.1
Ethyl Benzene	1.379	1.771	1.696	1.914	2.004	1.819	1.764	12.3
m/p-Xylenes	0.437	0.649	0.631	0.716	0.757	0.693	0.647	17.4
o-Xylene	0.492	0.670	0.617	0.697	0.734	0.666	0.646	13.1
Styrene	0.643	0.835	0.943	1.133	1.235	1.067	0.976	22.1
Bromoform	0.182	0.266	0.253	0.310	0.335	0.284	0.272	19.5
Isopropylbenzene	3.005	3.932	3.658	3.894	3.921	3.581	3.665	9.7
1,1,2,2-Tetrachloroethane	1.049	1.360	1.172	1.253	1.242	1.160	1.206	8.7
1,3-Dichlorobenzene	1.342	1.530	1.469	1.633	1.722	1.529	1.537	8.5
1,4-Dichlorobenzene	1.771	1.627	1.468	1.599	1.757	1.582	1.634	7
1,2-Dichlorobenzene	1.405	1.663	1.495	1.609	1.658	1.520	1.558	6.6
1,2-Dibromo-3-Chloropropane	0.209	0.284	0.183	0.211	0.220	0.190	0.216	16.6
1,2,4-Trichlorobenzene	0.698	0.842	0.792	0.943	1.004	0.900	0.863	12.7
1,2,3-Trichlorobenzene	0.739	0.861	0.768	0.872	0.934	0.833	0.834	8.6
1,2-Dichloroethane-d4		0.702	0.596	0.628	0.676	0.611	0.642	6.9
Dibromofluoromethane		0.323	0.281	0.308	0.331	0.301	0.309	6.3
Toluene-d8		1.276	1.112	1.190	1.287	1.193	1.211	5.9
4-Bromofluorobenzene		0.380	0.362	0.418	0.468	0.421	0.410	10

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_X Calibration Date(s): 04/20/2021 04/20/2021
 Heated Purge: (Y/N) N Calibration Time(s): 11:17 13:20
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX021749.D	RRF005 = VX021750.D	RRF020 = VX021751.D	RRF050 = VX021752.D	RRF100 = VX021753.D	RRF150 = VX021754.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.455	0.504	0.433	0.490	0.502	0.503	0.481	6.2	
Chloromethane	1.020	0.716	0.567	0.629	0.635	0.636	0.700	23.3	
Vinyl Chloride	0.519	0.596	0.528	0.595	0.603	0.607	0.575	6.9	
Bromomethane		0.282	0.268	0.254	0.225	0.227	0.251	9.9	
Chloroethane	0.363	0.408	0.324	0.356	0.362	0.361	0.362	7.5	
Trichlorofluoromethane	0.654	0.849	0.712	0.786	0.818	0.800	0.770	9.5	
1,1,2-Trichlorotrifluoroethane	0.433	0.507	0.415	0.462	0.476	0.475	0.462	7.1	
1,1-Dichloroethene	0.400	0.493	0.430	0.469	0.489	0.489	0.462	8.3	
Acetone	0.183	0.204	0.184	0.197	0.201	0.202	0.195	4.8	
Carbon Disulfide	1.164	1.410	1.200	1.333	1.377	1.411	1.316	8.2	
Methyl tert-butyl Ether	1.480	1.702	1.452	1.616	1.648	1.651	1.591	6.4	
Methyl Acetate	0.501	0.541	0.481	0.539	0.552	0.561	0.529	5.9	
Methylene Chloride	0.712	0.630	0.487	0.547	0.565	0.566	0.585	13.2	
trans-1,2-Dichloroethene	0.517	0.565	0.477	0.526	0.547	0.549	0.530	5.9	
1,1-Dichloroethane	0.770	0.963	0.811	0.898	0.919	0.939	0.883	8.6	
Cyclohexane		0.877	0.713	0.785	0.798	0.815	0.798	7.4	
2-Butanone	0.279	0.341	0.311	0.342	0.352	0.356	0.330	8.9	
Carbon Tetrachloride	0.445	0.523	0.442	0.485	0.506	0.498	0.483	6.9	
cis-1,2-Dichloroethene	0.517	0.668	0.550	0.609	0.633	0.636	0.602	9.5	
Bromochloromethane	0.373	0.441	0.314	0.348	0.357	0.366	0.367	11.4	
Chloroform	0.983	1.016	0.864	0.935	0.973	0.968	0.957	5.5	
1,1,1-Trichloroethane	0.826	0.936	0.762	0.844	0.864	0.869	0.850	6.7	
Methylcyclohexane	0.525	0.642	0.517	0.570	0.587	0.590	0.572	8.1	
Benzene	1.143	1.437	1.213	1.333	1.389	1.384	1.317	8.7	
1,2-Dichloroethane	0.362	0.461	0.400	0.441	0.450	0.450	0.427	9	
Trichloroethene	0.329	0.418	0.350	0.396	0.407	0.405	0.384	9.3	
1,2-Dichloropropane	0.322	0.367	0.317	0.348	0.359	0.361	0.346	6.2	
Bromodichloromethane	0.464	0.531	0.446	0.497	0.512	0.513	0.494	6.6	
4-Methyl-2-Pentanone	0.357	0.440	0.390	0.427	0.443	0.439	0.416	8.4	
Toluene	0.720	0.920	0.791	0.879	0.911	0.904	0.854	9.5	
t-1,3-Dichloropropene	0.456	0.600	0.510	0.572	0.592	0.598	0.555	10.6	
cis-1,3-Dichloropropene	0.478	0.643	0.546	0.609	0.630	0.612	0.586	10.7	
1,1,2-Trichloroethane	0.311	0.384	0.322	0.357	0.369	0.361	0.351	8.1	

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_X Calibration Date(s): 04/20/2021 04/20/2021
 Heated Purge: (Y/N) N Calibration Time(s): 11:17 13:20
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX021749.D	RRF005 = VX021750.D	RRF020 = VX021751.D					
	RRF050 = VX021752.D	RRF100 = VX021753.D	RRF150 = VX021754.D					
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.254	0.334	0.294	0.325	0.334	0.328	0.312	10.2
Dibromochloromethane	0.369	0.447	0.386	0.441	0.459	0.453	0.426	9
1,2-Dibromoethane	0.334	0.407	0.351	0.389	0.404	0.402	0.381	8.1
Tetrachloroethene	0.344	0.450	0.361	0.386	0.404	0.401	0.391	9.5
Chlorobenzene	0.884	1.134	0.947	1.044	1.094	1.091	1.032	9.4
Ethyl Benzene	1.579	1.951	1.645	1.803	1.878	1.865	1.787	8.1
m/p-Xylenes	0.583	0.760	0.635	0.707	0.735	0.729	0.691	9.9
o-Xylene	0.562	0.727	0.624	0.675	0.710	0.701	0.667	9.4
Styrene	0.967	1.229	1.032	1.158	1.201	1.197	1.131	9.4
Bromoform	0.279	0.393	0.341	0.374	0.394	0.388	0.362	12.4
Isopropylbenzene	3.162	3.906	3.285	3.537	3.617	3.543	3.508	7.5
1,1,2,2-Tetrachloroethane	0.916	1.187	1.020	1.103	1.095	1.079	1.067	8.6
1,3-Dichlorobenzene	1.339	1.745	1.470	1.652	1.696	1.692	1.599	10
1,4-Dichlorobenzene	1.371	1.797	1.497	1.655	1.685	1.696	1.617	9.6
1,2-Dichlorobenzene	1.320	1.676	1.446	1.584	1.622	1.618	1.544	8.7
1,2-Dibromo-3-Chloropropane	0.210	0.252	0.227	0.241	0.248	0.254	0.239	7.1
1,2,4-Trichlorobenzene	0.928	1.139	1.019	1.141	1.207	1.248	1.114	10.8
1,2,3-Trichlorobenzene	0.834	1.088	0.993	1.110	1.169	1.218	1.069	12.9
1,2-Dichloroethane-d4		0.617	0.508	0.538	0.570	0.603	0.567	8
Dibromofluoromethane		0.350	0.281	0.300	0.330	0.337	0.320	8.9
Toluene-d8		1.327	1.078	1.178	1.259	1.304	1.229	8.3
4-Bromofluorobenzene		0.499	0.386	0.441	0.482	0.488	0.459	10.1

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_N Calibration Date/Time: 04/28/2021 10:08
 Lab File ID: VN066800.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.542	0.530		-2.21	20
Chloromethane	0.711	0.709	0.1	-0.28	20
Vinyl Chloride	0.695	0.703		1.15	20
Bromomethane	0.453	0.429		-5.3	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	0.835	0.788		-5.63	20
1,1,2-Trichlorotrifluoroethane	0.494	0.493		-0.2	20
1,1-Dichloroethene	0.500	0.485		-3	20
Acetone	0.242	0.240		-0.83	20
Carbon Disulfide	1.535	1.482		-3.45	20
Methyl tert-butyl Ether	1.714	1.670		-2.57	20
Methyl Acetate	0.724	0.618		-14.64	20
Methylene Chloride	0.614	0.603		-1.95	20
trans-1,2-Dichloroethene	0.538	0.536		-0.37	20
1,1-Dichloroethane	1.039	1.003	0.1	-3.46	20
Cyclohexane	0.993	0.912		-8.16	20
2-Butanone	0.341	0.352		3.23	20
Carbon Tetrachloride	0.446	0.455		2.02	20
cis-1,2-Dichloroethene	0.623	0.631		1.28	20
Bromochloromethane	0.477	0.440		-7.76	20
Chloroform	1.008	0.975		-3.27	20
1,1,1-Trichloroethane	0.862	0.810		-6.03	20
Methylcyclohexane	0.550	0.611		11.09	20
Benzene	1.442	1.544		7.07	20
1,2-Dichloroethane	0.487	0.481		-1.23	20
Trichloroethene	0.351	0.390		11.11	20
1,2-Dichloropropane	0.385	0.412		7.01	20
Bromodichloromethane	0.493	0.525		6.49	20
4-Methyl-2-Pentanone	0.426	0.472		10.8	20
Toluene	0.867	0.957		10.38	20
t-1,3-Dichloropropene	0.527	0.585		11.01	20
cis-1,3-Dichloropropene	0.591	0.652		10.32	20
1,1,2-Trichloroethane	0.333	0.380		14.11	20
2-Hexanone	0.253	0.320		26.48	20
Dibromochloromethane	0.363	0.416		14.6	20
1,2-Dibromoethane	0.334	0.391		17.07	20
Tetrachloroethene	0.331	0.365		10.27	20
Chlorobenzene	1.006	1.092	0.3	8.55	20
Ethyl Benzene	1.764	1.932		9.52	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138

Instrument ID: MSVOA_N Calibration Date/Time: 04/28/2021 10:08

Lab File ID: VN066800.D Init. Calib. Date(s): 04/27/2021 04/27/2021

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.647	0.750		15.92	20
o-Xylene	0.646	0.722		11.77	20
Styrene	0.976	1.188		21.72	20
Bromoform	0.272	0.334	0.1	22.79	20
Isopropylbenzene	3.665	3.682		0.46	20
1,1,2,2-Tetrachloroethane	1.206	1.220	0.3	1.16	20
1,3-Dichlorobenzene	1.537	1.687		9.76	20
1,4-Dichlorobenzene	1.634	1.707		4.47	20
1,2-Dichlorobenzene	1.558	1.650		5.91	20
1,2-Dibromo-3-Chloropropane	0.216	0.194		-10.19	20
1,2,4-Trichlorobenzene	0.863	1.022		18.42	20
1,2,3-Trichlorobenzene	0.834	0.958		14.87	20
1,2-Dichloroethane-d4	0.642	0.551		-14.17	20
Dibromofluoromethane	0.309	0.309		0	20
Toluene-d8	1.211	1.202		-0.74	20
4-Bromofluorobenzene	0.410	0.449		9.51	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_N Calibration Date/Time: 04/29/2021 09:58
 Lab File ID: VN066853.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.542	0.490		-9.59	20
Chloromethane	0.711	0.641	0.1	-9.85	20
Vinyl Chloride	0.695	0.655		-5.76	20
Bromomethane	0.453	0.414		-8.61	20
Chloroethane	0.432	0.398		-7.87	20
Trichlorofluoromethane	0.835	0.781		-6.47	20
1,1,2-Trichlorotrifluoroethane	0.494	0.475		-3.85	20
1,1-Dichloroethene	0.500	0.460		-8	20
Acetone	0.242	0.245		1.24	20
Carbon Disulfide	1.535	1.385		-9.77	20
Methyl tert-butyl Ether	1.714	1.480		-13.65	20
Methyl Acetate	0.724	0.521		-28.04	20
Methylene Chloride	0.614	0.555		-9.61	20
trans-1,2-Dichloroethene	0.538	0.515		-4.28	20
1,1-Dichloroethane	1.039	0.932	0.1	-10.3	20
Cyclohexane	0.993	0.820		-17.42	20
2-Butanone	0.341	0.304		-10.85	20
Carbon Tetrachloride	0.446	0.471		5.61	20
cis-1,2-Dichloroethene	0.623	0.584		-6.26	20
Bromochloromethane	0.477	0.399		-16.35	20
Chloroform	1.008	0.921		-8.63	20
1,1,1-Trichloroethane	0.862	0.777		-9.86	20
Methylcyclohexane	0.550	0.596		8.36	20
Benzene	1.442	1.549		7.42	20
1,2-Dichloroethane	0.487	0.463		-4.93	20
Trichloroethene	0.351	0.395		12.54	20
1,2-Dichloropropane	0.385	0.407		5.71	20
Bromodichloromethane	0.493	0.521		5.68	20
4-Methyl-2-Pentanone	0.426	0.415		-2.58	20
Toluene	0.867	0.954		10.03	20
t-1,3-Dichloropropene	0.527	0.561		6.45	20
cis-1,3-Dichloropropene	0.591	0.638		7.95	20
1,1,2-Trichloroethane	0.333	0.377		13.21	20
2-Hexanone	0.253	0.283		11.86	20
Dibromochloromethane	0.363	0.420		15.7	20
1,2-Dibromoethane	0.334	0.380		13.77	20
Tetrachloroethene	0.331	0.376		13.6	20
Chlorobenzene	1.006	1.079	0.3	7.26	20
Ethyl Benzene	1.764	1.888		7.03	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_N Calibration Date/Time: 04/29/2021 09:58
 Lab File ID: VN066853.D Init. Calib. Date(s): 04/27/2021 04/27/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:51 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.647	0.736		13.76	20
o-Xylene	0.646	0.701		8.51	20
Styrene	0.976	1.153		18.14	20
Bromoform	0.272	0.325	0.1	19.49	20
Isopropylbenzene	3.665	3.592		-1.99	20
1,1,2,2-Tetrachloroethane	1.206	1.135	0.3	-5.89	20
1,3-Dichlorobenzene	1.537	1.645		7.03	20
1,4-Dichlorobenzene	1.634	1.679		2.75	20
1,2-Dichlorobenzene	1.558	1.635		4.94	20
1,2-Dibromo-3-Chloropropane	0.216	0.177		-18.06	20
1,2,4-Trichlorobenzene	0.863	0.954		10.55	20
1,2,3-Trichlorobenzene	0.834	0.900		7.91	20
1,2-Dichloroethane-d4	0.642	0.514		-19.94	20
Dibromofluoromethane	0.309	0.328		6.15	20
Toluene-d8	1.211	1.265		4.46	20
4-Bromofluorobenzene	0.410	0.450		9.76	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_X Calibration Date/Time: 04/22/2021 10:51
 Lab File ID: VX021809.D Init. Calib. Date(s): 04/20/2021 04/20/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:17 13:20
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.481	0.537		11.64	20
Chloromethane	0.700	0.678	0.1	-3.14	20
Vinyl Chloride	0.575	0.617		7.3	20
Bromomethane	0.251	0.276		9.96	20
Chloroethane	0.362	0.380		4.97	20
Trichlorofluoromethane	0.770	0.885		14.94	20
1,1,2-Trichlorotrifluoroethane	0.462	0.527		14.07	20
1,1-Dichloroethene	0.462	0.528		14.29	20
Acetone	0.195	0.191		-2.05	20
Carbon Disulfide	1.316	1.428		8.51	20
Methyl tert-butyl Ether	1.591	1.738		9.24	20
Methyl Acetate	0.529	0.544		2.84	20
Methylene Chloride	0.585	0.591		1.03	20
trans-1,2-Dichloroethene	0.530	0.583		10	20
1,1-Dichloroethane	0.883	0.972	0.1	10.08	20
Cyclohexane	0.798	0.866		8.52	20
2-Butanone	0.330	0.328		-0.61	20
Carbon Tetrachloride	0.483	0.534		10.56	20
cis-1,2-Dichloroethene	0.602	0.667		10.8	20
Bromochloromethane	0.367	0.377		2.72	20
Chloroform	0.957	1.041		8.78	20
1,1,1-Trichloroethane	0.850	0.930		9.41	20
Methylcyclohexane	0.572	0.635		11.01	20
Benzene	1.317	1.465		11.24	20
1,2-Dichloroethane	0.427	0.471		10.3	20
Trichloroethene	0.384	0.429		11.72	20
1,2-Dichloropropane	0.346	0.370		6.94	20
Bromodichloromethane	0.494	0.544		10.12	20
4-Methyl-2-Pentanone	0.416	0.423		1.68	20
Toluene	0.854	0.980		14.75	20
t-1,3-Dichloropropene	0.555	0.602		8.47	20
cis-1,3-Dichloropropene	0.586	0.648		10.58	20
1,1,2-Trichloroethane	0.351	0.388		10.54	20
2-Hexanone	0.312	0.318		1.92	20
Dibromochloromethane	0.426	0.471		10.56	20
1,2-Dibromoethane	0.381	0.422		10.76	20
Tetrachloroethene	0.391	0.411		5.11	20
Chlorobenzene	1.032	1.155	0.3	11.92	20
Ethyl Benzene	1.787	2.039		14.1	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_X Calibration Date/Time: 04/22/2021 10:51
 Lab File ID: VX021809.D Init. Calib. Date(s): 04/20/2021 04/20/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:17 13:20
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.691	0.773		11.87	20
o-Xylene	0.667	0.737		10.49	20
Styrene	1.131	1.289		13.97	20
Bromoform	0.362	0.370	0.1	2.21	20
Isopropylbenzene	3.508	3.946		12.49	20
1,1,2,2-Tetrachloroethane	1.067	1.183	0.3	10.87	20
1,3-Dichlorobenzene	1.599	1.836		14.82	20
1,4-Dichlorobenzene	1.617	1.834		13.42	20
1,2-Dichlorobenzene	1.544	1.723		11.59	20
1,2-Dibromo-3-Chloropropane	0.239	0.243		1.67	20
1,2,4-Trichlorobenzene	1.114	1.200		7.72	20
1,2,3-Trichlorobenzene	1.069	1.156		8.14	20
1,2-Dichloroethane-d4	0.567	0.550		-3	20
Dibromofluoromethane	0.320	0.319		-0.31	20
Toluene-d8	1.229	1.211		-1.47	20
4-Bromofluorobenzene	0.459	0.463		0.87	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_X Calibration Date/Time: 04/23/2021 12:07
 Lab File ID: VX021836.D Init. Calib. Date(s): 04/20/2021 04/20/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:17 13:20
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.481	0.512		6.45	20
Chloromethane	0.700	0.644	0.1	-8	20
Vinyl Chloride	0.575	0.581		1.04	20
Bromomethane	0.251	0.317		26.3	20
Chloroethane	0.362	0.356		-1.66	20
Trichlorofluoromethane	0.770	0.864		12.21	20
1,1,2-Trichlorotrifluoroethane	0.462	0.518		12.12	20
1,1-Dichloroethene	0.462	0.518		12.12	20
Acetone	0.195	0.176		-9.74	20
Carbon Disulfide	1.316	1.382		5.01	20
Methyl tert-butyl Ether	1.591	1.721		8.17	20
Methyl Acetate	0.529	0.566		6.99	20
Methylene Chloride	0.585	0.570		-2.56	20
trans-1,2-Dichloroethene	0.530	0.570		7.55	20
1,1-Dichloroethane	0.883	0.948	0.1	7.36	20
Cyclohexane	0.798	0.853		6.89	20
2-Butanone	0.330	0.331		0.3	20
Carbon Tetrachloride	0.483	0.529		9.52	20
cis-1,2-Dichloroethene	0.602	0.665		10.47	20
Bromochloromethane	0.367	0.401		9.26	20
Chloroform	0.957	1.015		6.06	20
1,1,1-Trichloroethane	0.850	0.912		7.29	20
Methylcyclohexane	0.572	0.633		10.66	20
Benzene	1.317	1.459		10.78	20
1,2-Dichloroethane	0.427	0.465		8.9	20
Trichloroethene	0.384	0.431		12.24	20
1,2-Dichloropropane	0.346	0.371		7.22	20
Bromodichloromethane	0.494	0.533		7.89	20
4-Methyl-2-Pentanone	0.416	0.436		4.81	20
Toluene	0.854	0.952		11.48	20
t-1,3-Dichloropropene	0.555	0.596		7.39	20
cis-1,3-Dichloropropene	0.586	0.643		9.73	20
1,1,2-Trichloroethane	0.351	0.383		9.12	20
2-Hexanone	0.312	0.325		4.17	20
Dibromochloromethane	0.426	0.461		8.22	20
1,2-Dibromoethane	0.381	0.420		10.24	20
Tetrachloroethene	0.391	0.410		4.86	20
Chlorobenzene	1.032	1.160	0.3	12.4	20
Ethyl Benzene	1.787	2.007		12.31	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05
 Lab Code: CHEM Case No.: M2138 SAS No.: M2138 SDG No.: M2138
 Instrument ID: MSVOA_X Calibration Date/Time: 04/23/2021 12:07
 Lab File ID: VX021836.D Init. Calib. Date(s): 04/20/2021 04/20/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:17 13:20
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.691	0.768		11.14	20
o-Xylene	0.667	0.730		9.44	20
Styrene	1.131	1.279		13.09	20
Bromoform	0.362	0.377	0.1	4.14	20
Isopropylbenzene	3.508	3.914		11.57	20
1,1,2,2-Tetrachloroethane	1.067	1.190	0.3	11.53	20
1,3-Dichlorobenzene	1.599	1.816		13.57	20
1,4-Dichlorobenzene	1.617	1.819		12.49	20
1,2-Dichlorobenzene	1.544	1.736		12.44	20
1,2-Dibromo-3-Chloropropane	0.239	0.246		2.93	20
1,2,4-Trichlorobenzene	1.114	1.274		14.36	20
1,2,3-Trichlorobenzene	1.069	1.236		15.62	20
1,2-Dichloroethane-d4	0.567	0.538		-5.11	20
Dibromofluoromethane	0.320	0.322		0.63	20
Toluene-d8	1.229	1.193		-2.93	20
4-Bromofluorobenzene	0.459	0.452		-1.52	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

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: EA Engineering

ADDRESS:

CITY: See Page #1 STATE: ZIP:

ATTENTION:

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: 1602518 LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY:

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): STD DAYS*

EDD: STD 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) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☒ Other Cat B Full
☒ EDD FORMAT NYS Equip

VOCs 8260

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		A										← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	152140-MW-5D	GW		X	4/20/21	0802	2	X											
2.	152140-MW-5S	↓		X		0830	2	X											
3.	152140-DDC-2-PD			X		0838	2	X											
4.	152140-MW-3D (on site)			X		0915	2	X											
5.	152140-DDC-2-PS			X		0916	2	X											
6.	152140-MW-2S (onsite)			X		0950	2	X											
7.	152140-MW-2D (onsite)			X		0954	2	X											
8.	152140-MW-1D (onsite)			X		1036	2	X											
9.	152140-MW-1S (onsite)			X		1036	2	X											
10.	152140-MW-2AD		↓	X	↓	1111	2	X											

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:

1. [Signature]

DATE/TIME:

4/21/21 1000

RECEIVED BY:

1. [Signature]

Conditions of bottles or coolers at receipt:

☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C

Comments:

IR-Cour #1

RELINQUISHED BY SAMPLER:

2. [Signature]

DATE/TIME:

4-22-21

RECEIVED BY:

2. [Signature]

RELINQUISHED BY SAMPLER:

3. [Signature]

DATE/TIME:

RECEIVED BY:

3. [Signature]

CLIENT:

☐ Hand Delivered☒ Other

Shipment Complete

☒ YES ☐ NO

Page 163 of 171

CHEMTECH:

☐ Picked Up☐ Field Sampling

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: EA Engineering

ADDRESS:

CITY: See Page #1 STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: 1602518 LOCATION:

PROJECT MANAGER: See Page #1

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY:

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): STD DAYS*

EDD: TD 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) ☐ NYS ASP A ☐ NYS ASP B
 + Raw Data ☒ Other Cat B Full
☒ EDD FORMAT NYS Equir

VOCs 8260

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	152140-MW-2A	GLW		X	4/20/21	1120	2	X									
2.	152140-MW-155			X		1158	2	X									
3.	152140-MW-15D			X		1207	6	X									MS/MSD
4.	152140-DDC-4-PD			X		1237	2	X									
5.	152140-DDC-4-PS			X		1237	2	X									
6.	152140-FD-01			X	4/19/21		2	X									
7.	152140-FD-02			X	4/20/21		2	X									
8.	152140-145			X	4/20/21	1309	2	X									
9.	152140-14D			X	4/20/21	1358	2	X									
10.	152140-FB-01			X	4/20/21		2	X									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 	DATE/TIME: 4/21/2021 1000	RECEIVED BY: 1. 	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.8°C
RELINQUISHED BY SAMPLER: 2. 	DATE/TIME: 10:16 4-22-21	RECEIVED BY: 2. 	Comments: 
RELINQUISHED BY SAMPLER: 3. M2138	DATE/TIME:	RECEIVED BY: 3. 	CLIENT: ☐ Hand Delivered ☒ Other _____ CHEMTECH: ☐ Picked Up ☐ Field Sampling Shipment Complete ☒ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: EA Engineering

ADDRESS: See Page #1

CITY: STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: 1602518 LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY:

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): STD DAYS*

EDD: STD 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) ☐ NYS ASP A ☐ NYS ASP B+ Raw Data ☒ Other Cat B Full

EDD FORMAT NYS Equis

PRESERVATIVES

COMMENTS

CHEMTECH
SAMPLE
IDPROJECT
SAMPLE IDENTIFICATIONSAMPLE
MATRIXSAMPLE
TYPESAMPLE
COLLECTION

COMP

GRAB

DATE

TIME

OF BOTTLES

A

1

2

3

4

5

6

7

8

9

Specify Preservatives

A-HCl

D-NaOH

B-HNO3

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:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

Conditions of bottles or coolers at receipt:

☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP

Comments:

CLIENT:

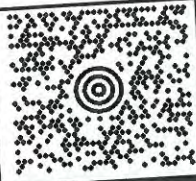
☐ Hand Delivered☒ Other

Shipment Complete

CHEMTECH:

☐ Picked Up☐ Field Sampling☒ YES ☐ NO

Page 165 of 171

DAWN LAWLER 3155656563 EA ENGINEERING 269 W. JEFFERSON STREET SYRACUSE NY 13202		30 LBS	1 OF 1
		DWT: 24,18,18	
SHIP TO: CHEMTECH CONSULTING GROUP 284 SHEFFIELD STREET MOUNTAINSIDE NJ 07092-2319			
CL- 4.22.21 10.16 3.8"			
	NJ 078 9-61		M2137 M2138
UPS NEXT DAY AIR			1
TRACKING #: 1Z F02 748 NT 9811 1243			
			
BILLING: P/P ATTENTION UPS DRIVER: SHIPPER RELEASE			
Department Code: 2152 Project Phase AND Task: 1602518/0004/**** CS 22.6.13 WNT NV50 45.0A 04/2021*			

Shreena

From: Cummings, Emily <ecummings@eaest.com>
Sent: Thursday, April 22, 2021 12:18 PM
To: s.chaim@chemtech.net
Subject: RE: NYSDEC - National Heatset - M2138

Hi Steve, Please use the sample ID with the date code (152140-FB-042021); I apologize for the confusion.

Thanks,
 Emily

From: Steven Chaimowitz <S.Chaim@chemtech.net>
Sent: Thursday, April 22, 2021 11:58 AM
To: Cummings, Emily <ecummings@eaest.com>
Subject: NYSDEC - National Heatset - M2138

Good afternoon,
 Please see the attached. Just want to confirm one minor discrepancy we found. For the FB sample on the COC the sample ID is "152140-FB-01" but on the sample bottle itself the sample ID is "152140-FB-042021". Could you please confirm which ID the lab should follow? Thanks!

Regards,

Steven Chaimowitz
 Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
 Direct: (908) 728-3147
s.chaim@chemtech.net | www.chemtech.net

Your Opinion Matters! Please Give Us Your [Feedback](#)



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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	255420
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-18-00132
Texas	T104704488-20-13

Order ID : M2138	EAEN05	Order Date : 4/22/2021 10:46:00 AM	Project Mgr :
Client Name : EA Engineering Science & ' "		Project Name : NYSDEC - National Heatse	Report Type : NYS ASP B
Client Contact : Emily Cummings		Receive DateTime : 4/22/2021 10:16:00 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
M2138-01	152140-MW-5D	Water	04/20/2021	08:02	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-02	152140-MW-5S	Water	04/20/2021	08:30	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-03	152140-DDC-2-PD	Water	04/20/2021	08:38	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-04	152140-MW-3D(ONSITE)	Water	04/20/2021	09:15	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-05	152140-DDC-2-PS	Water	04/20/2021	09:16	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-06	152140-MW-2S(ONSITE)	Water	04/20/2021	09:50	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-07	152140-MW-2D(ONSITE)	Water	04/20/2021	09:54	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-08	152140-MW-1D(ONSITE)	Water	04/20/2021	10:36	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-09	152140-MW-1S(ONSITE)	Water	04/20/2021	10:36					

Order ID : M2138	EAEN05	Order Date : 4/22/2021 10:46:00 AM	Project Mgr :
Client Name : EA Engineering Science & ' "		Project Name : NYSDEC - National Heatse	Report Type : NYS ASP B
Client Contact : Emily Cummings		Receive DateTime : 4/22/2021 10:16:00 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	
M2138-10	152140-MW-2AD	Water	04/20/2021	11:11					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-11	152140-MW-2A	Water	04/20/2021	11:20					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-12	152140-MW-15S	Water	04/20/2021	11:58					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-13	152140-MW-15D	Water	04/20/2021	12:07					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-14	M2138-13MS	Water	04/20/2021	12:07					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-15	M2138-13MSD	Water	04/20/2021	12:07					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-16	152140-DDC-4-PD	Water	04/20/2021	12:37					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-17	152140-DDC-4-PS	Water	04/20/2021	12:37					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Order ID : M2138	EAEN05	Order Date : 4/22/2021 10:46:00 AM	Project Mgr :
Client Name : EA Engineering Science & ' "		Project Name : NYSDEC - National Heatse	Report Type : NYS ASP B
Client Contact : Emily Cummings		Receive DateTime : 4/22/2021 10:16:00 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
M2138-18	152140-FD-01	Water	04/19/2021	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-19	152140-FD-02	Water	04/20/2021	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-20	152140-14S	Water	04/20/2021	13:09	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-21	152140-14D	Water	04/20/2021	13:58	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-22	152140-FB-042021	Water	04/20/2021	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
M2138-23	152140-RB-042020	Water	04/20/2021	13:19	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : 

Date / Time :

4/22/21 1200

Received By : 

Date / Time :

04/22/21 / 12:00

Storage Area : VOA Refridgerator Room

R# 4

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