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ENVIRONMENTAL
ASSESSMENT &
REMEDICATIONS

October 18, 2024

Kyle Forster
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

**RE: Former Cleaners Products Supply, 50-45 Barnett Avenue, Sunnyside, Site No. 241123 — April 2024
& July 2024 Post-ISCR Groundwater Sampling Event Summaries**

Dear Mr. Forster,

Environmental Assessment and Remediations (EAR) has prepared this letter report to document groundwater monitoring following the July 2023 in-situ chemical reduction (ISCR) pilot test. Details of the ISCR pilot test and quarterly groundwater sampling events conducted in October 2023 and January 2024 are summarized in the *In-situ Chemical Reduction Pilot Test Summary* report submitted in April 2024. Results of routine quarterly groundwater monitoring following ISCR are issued in bi-annual letter reports. The following letter report summarizes groundwater sampling activities conducted on April 26, 2024 and July 29, 2024. A site location map and area map are included in Figure 1 and Figure 2, respectively. A site map identifying ISCR pilot test chemical injection locations is included in Appendix A.

At each monitoring well sampled during each event, depth to water and total well depth were measured and the volume of standing water was calculated. Each well was purged utilizing a peristaltic pump with dedicated silicone and polyethylene tubing. Purge water was screened using a multi-parameter probe (Horiba U-52) with a flow through cell. All wells were purged a minimum of one well volume with purging continuing until values for temperature, pH, and oxidation/reduction potential (ORP) reached stabilization. These parameters, as well as dissolved oxygen, specific conductivity, and turbidity were recorded prior to sample collection. Field screening for hardness and alkalinity was conducted at MW-6, MW-104S, and MW-104D using premeasured test kits (CHEMetrics Titrets).

Samples collected for laboratory analysis were placed into appropriate, laboratory-provided containers and immediately placed in a cooler with ice to maintain a temperature no greater than four degrees Celsius. All non-dedicated sampling tools were decontaminated between sample locations using an Alconox™ and potable water rinse.



On April 26, 2024, water samples were collected from five monitoring wells: MW-6, MW-104S, MW-104D, MW-107D, and MW-5. Five groundwater samples, one blind duplicate (collected from MW-6), one field blank, one equipment blank, one trip blank, and one matrix spike/matrix spike duplicate (collected from MW-6) were submitted to a NYSDEC standby contracted laboratory (Pace Analytical Services, East Longmeadow, MA) (Pace) for laboratory analysis of volatile organic compounds (VOCs) via EPA method 8260. Samples submitted from MW-6, MW-104S, and MW-104D were also submitted for total and dissolved iron, total and dissolved manganese, and calcium (EPA Method 6010); sulfate and nitrate (EPA Method 300.0); and total and dissolved organic carbon (EPA Method 5310). All samples were submitted for standard 30-day turnaround time with analytical services protocol (ASP) Category A deliverables requested. Waste material generated during the April 2024 groundwater sampling events was contained in a labeled 55-gallon drum and staged onsite for pickup and appropriate disposal by a NYSDEC response contractor, NRC East Environmental/Republic Services. One drum of purge water was generated and removed from the site on June 14, 2024. The waste manifest is included in Appendix B.

As directed by the NYSDEC, the July 2024 sampling plan was modified to exclude sample collection from MW-107D; include locations MW-8, MW-9, MW-103S, and MW-108D; and exclude additional analysis via EPA Methods 6010, 300.0, and 5310. Monitoring wells MW-8, MW-9, and MW-108D were located in a private parking lot to the west of the site and could not be found. They are presumed to have been destroyed during recent property redevelopment activities. During the July 2024 event, samples were collected from MW-6, MW-104S, MW-104D, MW-5, and MW-103S. A total of five groundwater samples, one blind duplicate (collected from MW-6), one field blank, one equipment blank, one trip blank, and one matrix spike/matrix spike duplicate (collected from MW-6) were submitted to Pace for analysis of VOCs via EPA method 8260. All samples were submitted for standard 30-day turnaround time with ASP Category A deliverables requested. Purge water was transferred and stored in an appropriate, labeled 55-gallon DOT drum. The drum was staged onsite within a gated and locked alley way to the east of the site building until disposal by a NYSDEC Response Contractor is coordinated. The waste manifest will be submitted to the NYSDEC in the next letter report.

Well gauging and field screening readings collected since November 2019 are summarized in Table 1. A table of VOCs analytical results since November 2019 is included in Table 2, with a comparison to TOGS 1.1.1 Class GA water quality standards and guidance values¹. Analytical data from analysis via EPA Methods 6010, 300.0, and 5310 since December 2022 is included in Table 3. A table calculating the relative percent difference of the duplicated samples from April and July 2024 is included in Table 4. A table summary of analytical results from QA/QC samples submitted during the April and July 2024 events is included in Table 5. Chemical of concern (COC) concentrations are posted in Figures 3A and 3B. Time series plots of COC concentrations are included in Figure 4 through Figure 6 (include MW-6, MW-104S, & MW-104D). Laboratory reports from the April and July 2024 events are included in Appendix C.

¹ NYSDEC Division of Water technical & Operational Guidance Series 1.1.1 – Ambient Water Quality Standards and Guidance Values, Class GA (groundwater).



Should you have any questions regarding the activities or data detailed in this report, please feel free to contact me at (631) 447-6400, extension 152.

Sincerely,

Stephen Goetz
Project Manager



TABLES

Table 1

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



EAR Field Measurements

Location	Screened Depth (ft bg)	Date Collected	Depth to Water (ft bg)	Conductivity (uS)	Dissolved Oxygen (mg/L)	ORP (mV)	pH	Temperature (°C)	Turbidity (NTU)	Total Alkalinity (ppm)	Hardness (ppm)
MW-5	15-30	11/05/19	10.24	999	3.22	125.4	10.86	17.95	-	-	-
		08/20/20	9.82	1,204	1.34	81.4	7.17	18.80	-	-	-
		04/16/21	8.93	1,501	1.57	82.8	7.31	13.46	-	105	500
		10/19/21	8.59	1,440	2.17	106.7	7.16	17.80	-	75	490
		12/14/22	10.41	1,034	1.48	195.0	7.64	17.36	10.3	-	-
		10/19/23	8.08	975	4.39	100.0	7.04	16.67	25.9	50	40
		02/05/24	7.96	1,340	1.65	149.0	7.34	14.20	0.0	-	-
		04/26/24	7.47	2,090	1.03	250.0	7.68	17.02	0.0	-	-
		07/29/24	9.66	1,067	1.19	218.0	7.84	17.86	0.0	-	-
MW-6	15-25	11/05/19	14.00	677	5.15	159.5	9.80	17.74	-	-	-
		08/20/20	17.53	1,026	2.31	105.4	6.72	16.50	-	-	-
		04/15/21	16.61	454	3.49	91.3	6.63	15.40	-	60	65
		10/19/21	16.20	610	8.03	178.4	7.20	18.29	-	50	34
		12/14/22	17.80	545	5.33	204.0	6.54	16.93	113.0	-	-
		10/19/23	15.69	638	7.18	114.0	5.57	18.39	61.0	58	32
		02/05/24	15.49	720	0.79	99.0	6.50	17.16	38.3	100	50
		04/26/24	14.97	567	4.46	297.0	6.56	16.64	3.8	32	36
		07/29/24	16.86	718	1.71	241.0	7.55	17.90	0.0	<50	42
MW-103S	20-30	08/21/20	22.19	969	2.05	90.0	6.60	17.04	-	-	-
		04/16/21	21.20	919	4.61	89.9	7.51	16.39	-	75	270
		07/29/24	21.80	1,023	4.90	252.0	6.51	19.48	21.0	-	-
MW-104D	52-62	11/05/19	14.00	1,578	3.67	136.7	10.51	16.74	-	-	-
		08/21/20	14.25	1,320	0.95	79.2	7.24	16.95	-	-	-
		04/16/21	13.32	1,206	1.22	80.9	7.49	15.75	-	130	300
		10/19/21	12.92	1,270	2.92	222.5	6.32	18.50	-	112	290
		12/14/22	14.88	806	0.51	154.0	7.85	17.45	8.8	-	-
		10/19/23	12.42	920	6.12	98.0	7.04	18.58	27.5	25	40
		02/05/24	12.32	932	3.53	161.0	7.43	16.52	12.4	20	100
		04/26/24	11.78	915	1.99	314.0	7.81	17.70	9.1	25	330
		07/29/24	13.51	710	3.81	198.0	7.76	18.10	0.0	65	140
MW-104S	24-34	11/05/19	14.00	1,198	1.13	104.0	10.58	17.72	-	-	-
		08/21/20	14.24	944	0.22	51.8	7.43	17.93	-	-	-
		04/16/21	13.31	1,258	0.30	88.3	7.67	15.52	-	125	325
		10/19/21	12.89	610	0.26	104.8	7.51	17.70	-	100	285
		12/14/22	14.88	941	3.26	232.0	7.74	16.28	9.1	-	-
		10/19/23	12.42	870	4.29	88.0	6.80	19.08	15.1	50	40
		02/05/24	12.29	1,020	2.10	157.0	7.41	16.33	13.9	25	100
		04/26/24	11.77	818	0.05	301.0	7.74	17.48	2.7	60	170
		07/29/24	13.63	986	1.54	205.0	7.43	17.89	0.0	57	45
MW-107D	55-65	08/21/20	18.66	1,504	0.31	1.6	7.03	16.38	-	-	-
		04/15/21	17.69	1,384	0.74	80.2	6.82	15.84	-	125	200
		10/19/21	17.24	1,354	2.05	145.2	7.81	16.70	-	101	170
		02/05/24	16.68	714	2.40	121.0	7.35	16.27	6.6	-	-
		04/26/24	16.06	1,020	1.48	312.0	7.66	17.94	24.8	-	-

Table 2

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



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Groundwater Analytical Results (µg/L)
EPA Method 8260

Location	Date Collected	Tetrachloroethene	Trichloroethylene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1 Dichloroethene	Vinyl Chloride	Acetone	Benzene	Chloroform	Chloromethane	Toluene
MW-5	11/05/19	51	15	7	0.31 J	<1	<1	<5	<1	<1	<1	<1
	08/20/20	52	13	3.9	0.28 J	<1	<1	<5	<1	<1	0.82 J	<1
	04/16/21	50	12	2.7	0.33 J	<1	<1	<5	<1	<1	<1	<1
	10/19/21	43	10	1.2	<1	<1	<1	<5	<1	<1	<1	<1
	12/14/22	41	12	3	0.4 J	<1	<2	<50	<1	0.18 J	<2	<1
	10/19/23	33	11	1.6	<1	<1	<2	<50	<1	<2	<2	<1
	02/05/24	26	10	<1	<1	<1	<2	<50	<1	<2	<2	<1
	04/26/24	21	9.8	<1	<1	<1	<2	<50	<1	<2	<2	<1
MW-6	07/29/24	33	11	1.1	<1	<1	<2	<50	<1	<2	<2	<1
	11/05/19	440	14	1.6	<1	<1	<1	<5	<1	<1	<1	<1
	08/20/20	340	70	5.4	<1	<1	<1	5.3	<1	<1	0.52 J	<1
	04/15/21	370	42	1.9	<1	<1	<1	<5	<1	<1	<1	<1
	10/19/21	460	18	1.1 J	<2	<2	<2	<10	<2	<2	<2	<2
	12/14/22	3,000	140	41	<25	<25	<50	<1,200	<25	<50	<50	<25
	10/19/23	660	76	15	<10	<10	<20	<500	<10	<20	<20	<10
	02/05/24	500	30	<5	<5	<5	<10	<250	<5	<10	<10	<5
MW-103S	04/26/24	400	9.6	<5	<5	<5	<10	<250	<5	<10	<10	<5
	07/29/24	440	33	<4	<4	<4	<8	<200	<4	<8	<8	<4
	08/21/20	9.8	<1	<1	<1	<1	<1	<5	<1	3	0.54 J	<1
MW-104D	04/16/21	6.8	<1	<1	<1	<1	<1	<5	<1	0.62 J	<1	<1
	07/29/24	24	<1	<1	<1	<1	<2	<50	<1	<2	<2	<1
	11/05/19	96	24	19	0.33 J	<1	<1	<5	<1	<1	<1	<1
	08/21/20	90	17	4.3	0.28 J	<1	<1	5	<1	0.35 J	1.2	<1
	04/16/21	41	10	3.2	0.26 J	<1	<1	<5	<1	<1	<1	<1
	10/19/21	45	10	8.5	0.73 J	<1	<1	<5	<1	<1	<1	<1
	12/14/22	43	11	2.2	0.18 J	<1	<2	<50	<1	0.33 J	<2	<1
	10/19/23	57	10	4.6	<1	<1	<2	<50	<1	<2	<2	<1
MW-104S	02/05/24	31	8.6	3.6	<1	<1	<2	<50	<1	<2	<2	<1
	04/26/24	46	9.9	2	<1	<1	<2	<50	<1	<2	<2	<1
	07/29/24	120	16	5.4	<1	<1	<2	<50	<1	<2	<2	<1
	11/05/19	89	61	55	5	<1	<1	<5	<1	<1	<1	<1
	08/21/20	190	39	63	4.1	<1	<1	<5	<1	<1	0.76 J	<1
	04/16/21	47	86	310	25	0.87 J	0.26 J	<5	0.22 J	<1	<1	<1
	10/19/21	82	14	36	3	<1	<1	<5	<1	<1	<1	<1
	12/14/22	160	27	86	9.5	<2	<4	<100	<2	0.36 JD	<4	<2
MW-107D	10/19/23	100	52	290	26	<2	<4	<100	<2	<4	<4	<2
	02/05/24	62	91	460	49	<10	<20	<500	<10	<20	<20	<10
	04/26/24	65	37	78	11	<1	<2	<50	<1	<2	<2	<1
	07/29/24	90	55	120	19	<1	<2	<50	<1	<2	<2	<1
	08/21/20	9.6	4.7	<1	<1	<1	<1	5.2	<1	0.35 J	1.1	<1
	04/15/21	3.2	4.4	<1	<1	<1	<1	<5	<1	<1	<1	<1
MW-107D	10/19/21	2.6	4.5	<1	<1	<1	<1	<5	<1	0.44 J	<1	<1
	02/05/24	12	6.2	<1	<1	<1	<2	<50	<1	<2	<2	<1
	04/26/24	2.2	3.1	<1	<1	<1	<2	<50	<1	<2	<2	<1
ClassGA Standard ¹		5	5	5	5	5	2	nv	1	7	5	5
ClassGA Guidance ¹		nv	nv	nv	nv	nv	nv	50	nv	nv	nv	nv

J - result is higher than the method detection limit, but lower than the limit of quantization

D - Detection Limit is the lower limit of detection determined by the MDL study

nv - analyzed chemicals with no established values

Concentrations highlighted in orange are above TOGS 1.1.1 standard or guidance values

¹ NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1), Source of Drinking Water (groundwater)

2022-2024 Analysis by Pace Analytical Services

2019-2021 Analysis by TestAmerica

The chemicals listed below were reported below the LRL:

1,1,1 Trichloroethane	1,2,4 Trichlorobenzene	Bromodichloromethane	Cyclohexane, methyl-	Methyl Ethyl Ketone	Styrene
1,1,2 Trichloroethane	1,2,4 Trimethylbenzene	Bromoform	Dibromochloromethane	Methylene Chloride	t 1,3 Dichloropropene
1,1,2,2 Tetrachloroethane	1,3 Dichlorobenzene	Bromomethane	Dibromochloropropane	MTBE	t Butylbenzene
1,2 Dibromoethane	1,3,5 Trimethylbenzene	c 1,3 Dichloropropene	Dichlorodifluoromethane	n Butylbenzene	Trichlorofluoromethane
1,2 Dichlorobenzene	1,4 Dichlorobenzene	Carbon Disulfide	Ethylbenzene	n Propylbenzene	Xylenes Total
1,2 Dichloroethane	1,4-Dioxane	Carbon Tetrachloride	Freon 113	Naphthalene	
1,2 Dichloropropane	2-Hexanone	Chlorobenzene	Isopropylbenzene	o-Xylene	
1,2,3 Trichlorobenzene	4-Methyl-2-Pentanone	Chloroethane	m + p Xylene	p Isopropyltoluene	
1,2,3 Trichloropropane	Bromochloromethane	Cyclohexane	Methyl acetate	s Butylbenzene	

Table 3

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



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Groundwater Analytical Results (mg/L)

Pace Analytical Services

EPA Methods E300.0, 5310, & 6010

Location	Date	Total Calcium	Total Iron	Dissolved Iron	Total Manganese	Dissolved Manganese	Total Organic Carbon	Dissolved Organic Carbon	Nitrate	Sulfate
MW-6	12/14/22	15	<0.05	<0.05	<0.01	<0.01	2.1	0.85 J	-	-
	01/24/23	-	-	-	-	-	-	-	2.8	22
	10/19/23	8.7	0.34	<0.05	0.03	0.01	1.7	1.5	1.1	13
	02/05/24	15	0.42	<0.05	0.06	0.05	<1	<1	1.7	16
	04/26/24	14	0.22	<0.05	0.11	0.1	<1	1.4	1.6	10
MW-104D	12/14/22	110	<0.05	<0.05	0.01 J	0.01	1	0.95 J	-	-
	10/19/23	96	0.08	<0.05	1	0.01	<1	<1	4.8	35
	02/05/24	100	0.57	<0.05	0.34	<0.01	<1	<1	4.9	34
	04/26/24	97	0.27	<0.05	0.08	<0.01	<1	<1	4.2	38
MW-104S	12/14/22	45	<0.05	<0.05	<0.01	0.003 J	0.95 J	0.81 J	-	-
	10/19/23	51	<0.05	<0.05	<0.01	<0.01	1.9	1.5	0.28	11
	02/05/24	73	0.14	<0.05	0.03	<0.01	1.4	1.4	0.3	7.4
	04/26/24	44	0.11	<0.05	0.04	0.03	1.2	1.5	0.74	9.9
ClassGA Standard ¹		nv	0.3	0.3	0.3	0.3	nv	nv	10	250
ClassGA Guidance ¹		nv	nv	nv	nv	nv	nv	nv	nv	nv

¹NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1), Source of Drinking Water (groundwater)

J - result is higher than the method detection limit, but lower than the limit of quantization

nv - analyzed chemicals with no established values

Concentrations highlighted in orange are above TOGS 1.1.1 standard or guidance values

Nitrate & sulfate samples collected on 12/14/22 were out of acceptable hold time. Samples were re-collected on 1/24/23 from MW-6 only

Table 4

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



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Blind Duplicate Analysis, Relative Percent Difference

Groundwater Analytical Results (µg/L)

Pace Analytical Services

EPA Method 8260

			Tetrachloroethene	Trichloroethylene
	Location	Date Collected		
Original Sample	MW-6	04/26/24	400	9.6
Blind Duplicate	MW-X	04/26/24	440	<10
Relative Percent Difference			9.5%	-
Original Sample	MW-6	07/29/24	440	33
Blind Duplicate	MW-X	07/29/24	460	33
Relative Percent Difference			4.4%	0.0%

Analytes not included above were reported below laboratory reporting limits.

Table 5

Former Cleaners Products Supply
50-45 Barnett Avenue
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QA/QC Analytical Results (µg/L)

Pace Analytical Services

EPA Method 8260

Sample Type	Equipment Blank		Trip Blank	
	04/26/24	07/29/24	04/26/24	07/29/24
1,1 Dichloroethane	<1	<1	<1	<1
1,1 Dichloroethene	<1	<1	<1	<1
1,1,1 Trichloroethane	<1	<1	<1	<1
1,1,2 Trichloroethane	<1	<1	<1	<1
1,1,2,2 Tetrachloroethane	<0.5	<0.5	<0.5	<0.5
1,2 Dibromoethane	<0.5	<0.5	<0.5	<0.5
1,2 Dichlorobenzene	<1	<1	<1	<1
1,2 Dichloroethane	<1	<1	<1	<1
1,2 Dichloropropane	<1	<1	<1	<1
1,2,3 Trichlorobenzene	<5	<5	<5	<5
1,2,3 Trichloropropane	<2	<2	<2	<2
1,2,4 Trichlorobenzene	<1	<1	<1	<1
1,2,4 Trimethylbenzene	<1	<1	<1	<1
1,3 Dichlorobenzene	<1	<1	<1	<1
1,3,5 Trimethylbenzene	<1	<1	<1	<1
1,4 Dichlorobenzene	<1	<1	<1	<1
2-Hexanone	<10	<10	<10	<10
4-Methyl-2-Pentanone	<10	<10	<10	<10
Acetone	<50	<50	<50	<50
Benzene	<1	<1	<1	<1
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<0.5	<0.5	<0.5	<0.5
Bromoform	<1	<1	<1	<1
Bromomethane	<2	<2	<2	<2
c 1,3 Dichloropropene	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	<5	<5	<5	<5
Carbon Tetrachloride	<5	<5	<5	<5
Chlorobenzene	<1	<1	<1	<1
Chloroethane	<2	<2	<2	<2
Chloroform	<2	<2	<2	<2
Chloromethane	<2	<2	<2	<2
cis-1,2-Dichloroethene	<1	3	<1	<1
Cyclohexane	<5	<5	<5	<5
Cyclohexane, methyl-	<1	<1	<1	<1
Dibromochloromethane	<0.5	<0.5	<0.5	<0.5
Dibromochloropropane	<5	<5	<5	<5

Table 5

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123



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QA/QC Analytical Results (µg/L)

Pace Analytical Services

EPA Method 8260

Sample Type	Equipment Blank		Trip Blank	
	04/26/24	07/29/24	04/26/24	07/29/24
Dichlorodifluoromethane	<2	<2	<2	<2
Ethylbenzene	<1	<1	<1	<1
Freon 113	<1	<1	<1	<1
Isopropylbenzene	<1	<1	<1	<1
m + p Xylene	<2	<2	<2	<2
Methyl acetate	<1	<1	<1	<1
Methyl Ethyl Ketone	<20	<20	<20	<20
Methylene Chloride	<5	<5	<5	<5
n Butylbenzene	<1	<1	<1	<1
n Propylbenzene	<1	<1	<1	<1
Naphthalene	<2	<2	<2	<2
o-Xylene	<1	<1	<1	<1
p Isopropyltoluene	<1	<1	<1	<1
s Butylbenzene	<1	<1	<1	<1
Styrene	<1	<1	<1	<1
t 1,3 Dichloropropene	<0.5	<0.5	<0.5	<0.5
t Butylbenzene	<1	<1	<1	<1
t butylmethylether	<1	<1	<1	<1
Tetrachloroethene	<1	310	<1	<1
Toluene	<1	<1	<1	<1
Total BTEX	<4	<4	<4	<4
trans-1,2-Dichloroethene	<1	<1	<1	<1
Trichloroethylene	<1	35	<1	<1
Trichlorofluoromethane	<2	<2	<2	<2
Vinyl Chloride	<2	2.2	<2	<2
Xylenes Total	<1	<1	<1	<1



FIGURES

A detailed map of the New York City metropolitan area, focusing on the Queens and Manhattan regions. The map shows major highways (I-190, I-278, I-678, I-295), bridges, and various neighborhoods. A red crosshair marks the 'SITE' location in Woodside, Queens, near the intersection of 58th St and 81st St. Other labeled locations include Manhattan, Brooklyn, Queens, and various parks and islands. A north arrow is located in the top left corner.

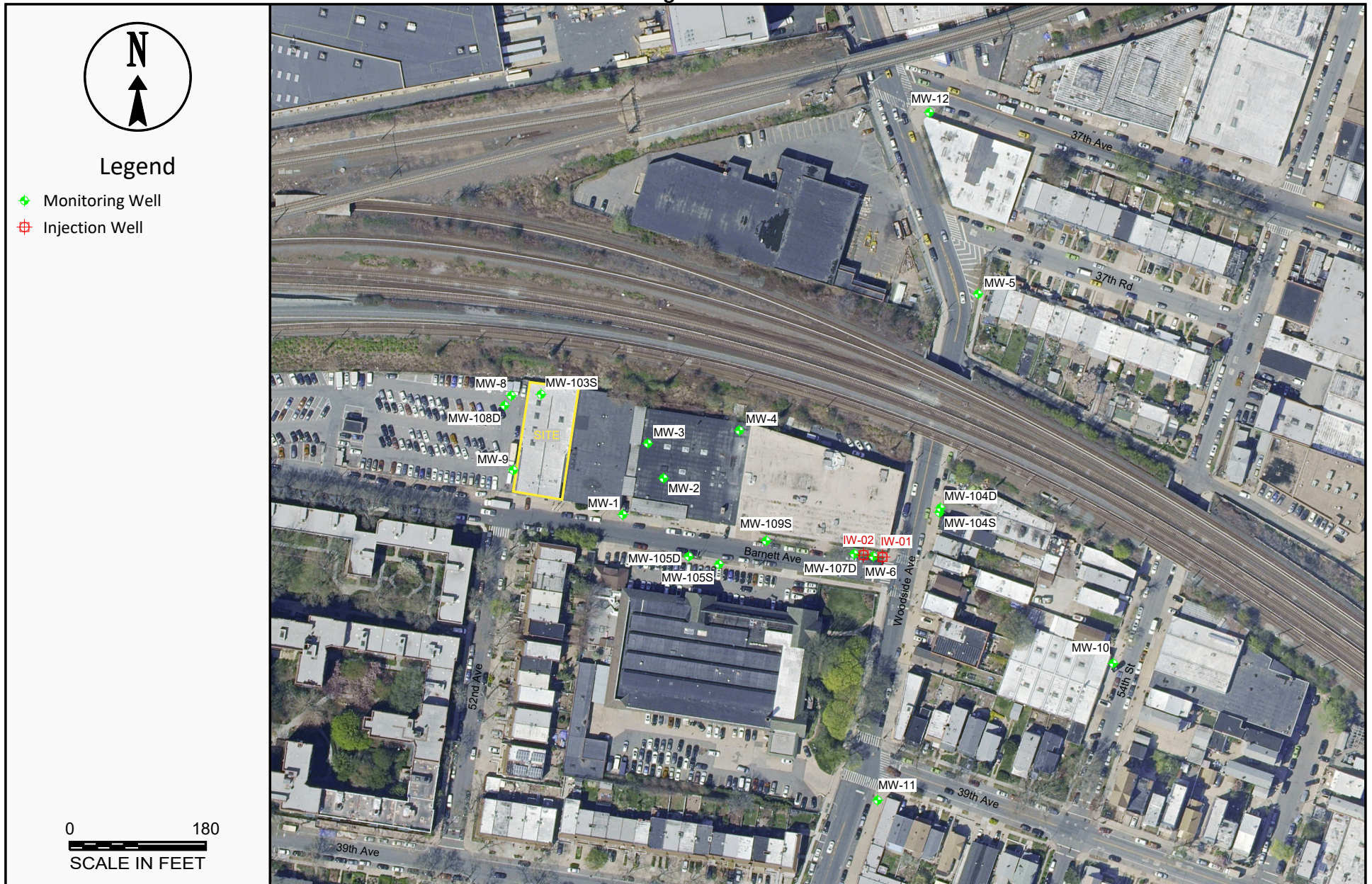


ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Site Location Map

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

Figure 2

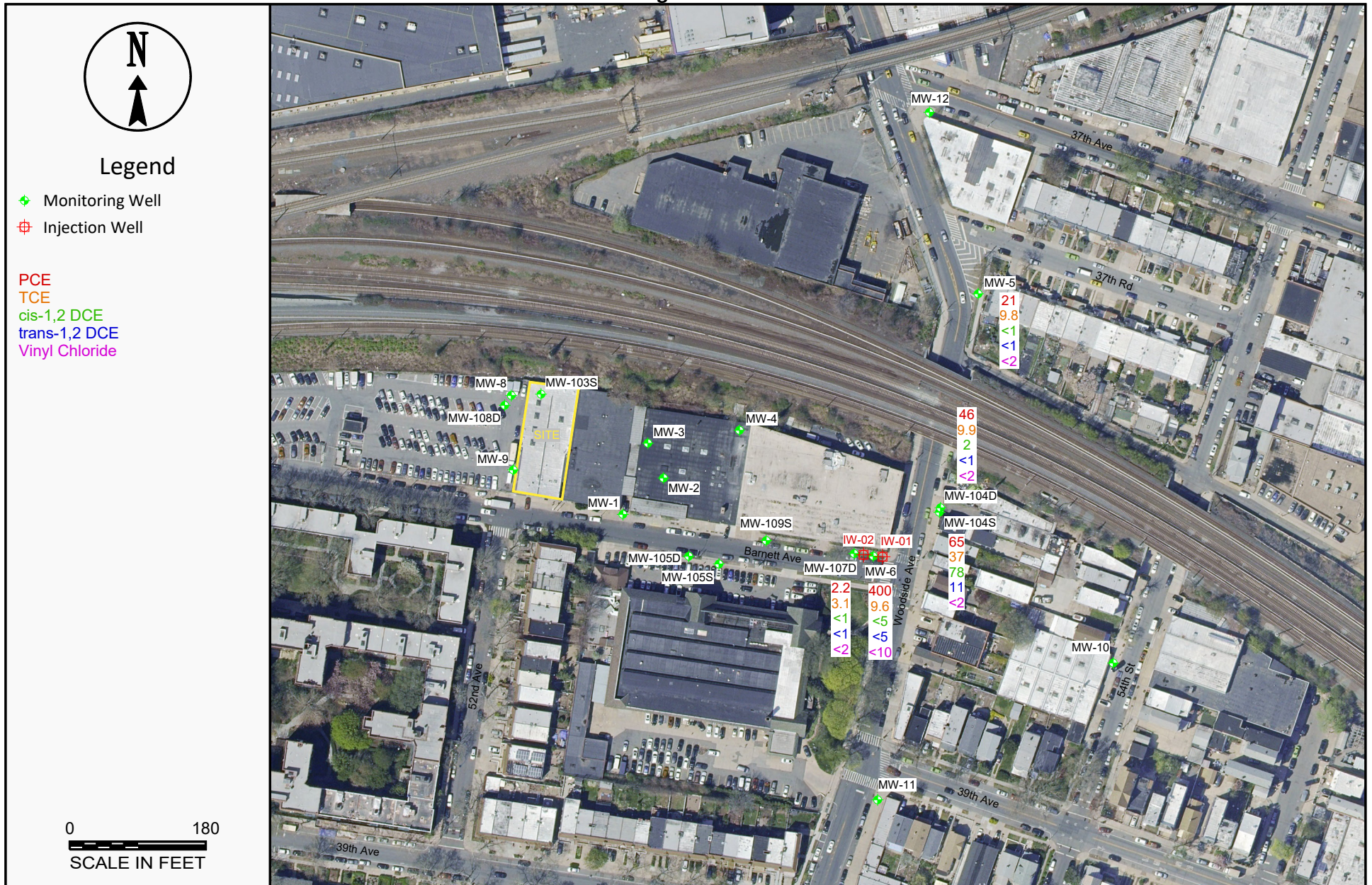


ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

AREA MAP

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

Figure 3A

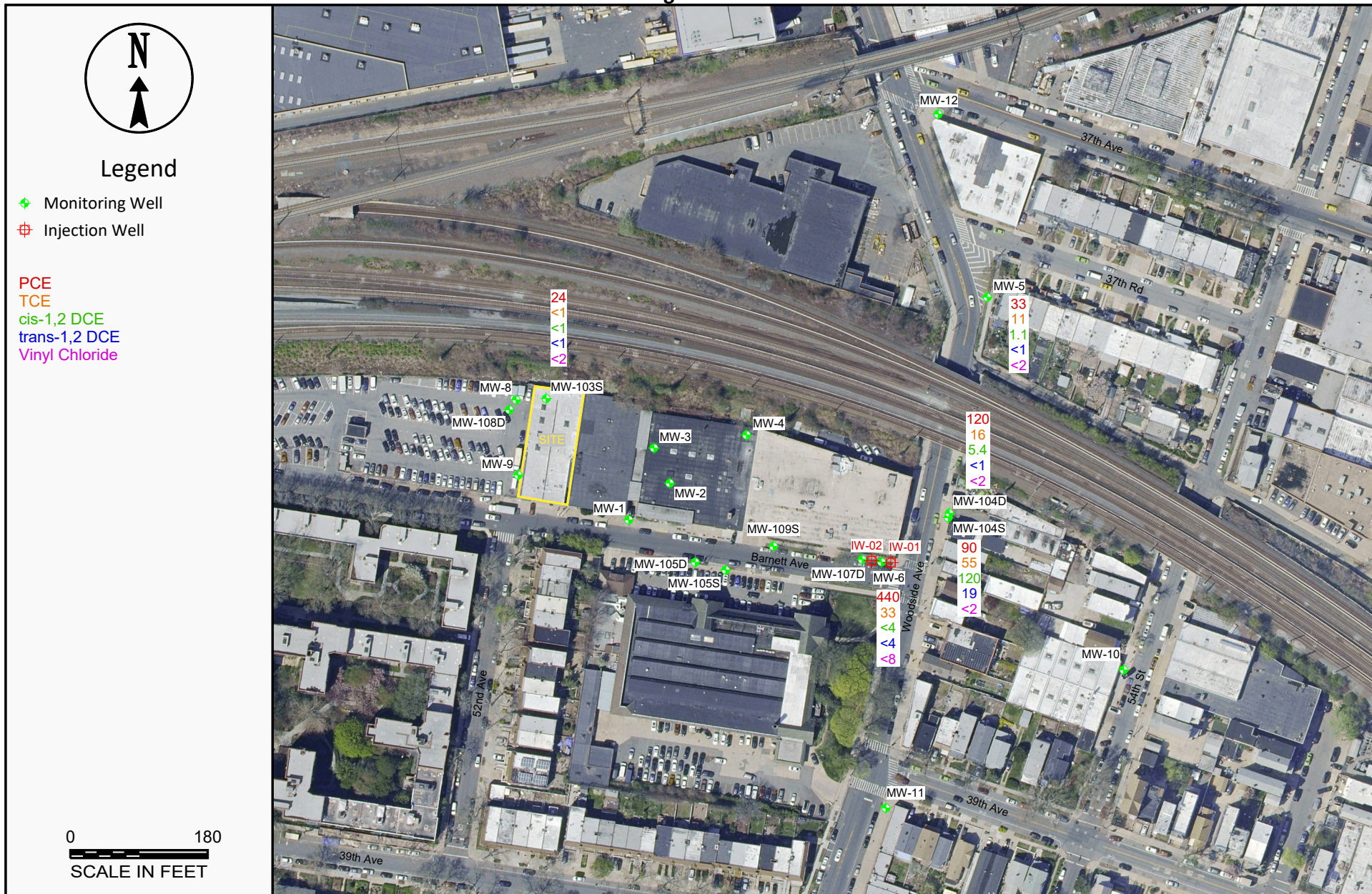


ENVIRONMENTAL
ASSESSMENT &
REMEDiations

Post-ISCR Groundwater
Analytical Results (µg/L)
April 26, 2024

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

Figure 3B



ENVIRONMENTAL
ASSESSMENT &
REMEDiations

Post-ISCR Groundwater
Analytical Results (µg/L)
July 29, 2024

Former Cleaners Products Supply
50-45 Barnett Avenue
Sunnyside, NY
NYSDEC Site #241123

FIGURE 4 - TIME SERIES GRAPH OF DISSOLVED-PHASE CHEMICAL CONCENTRATIONS FROM MW-6

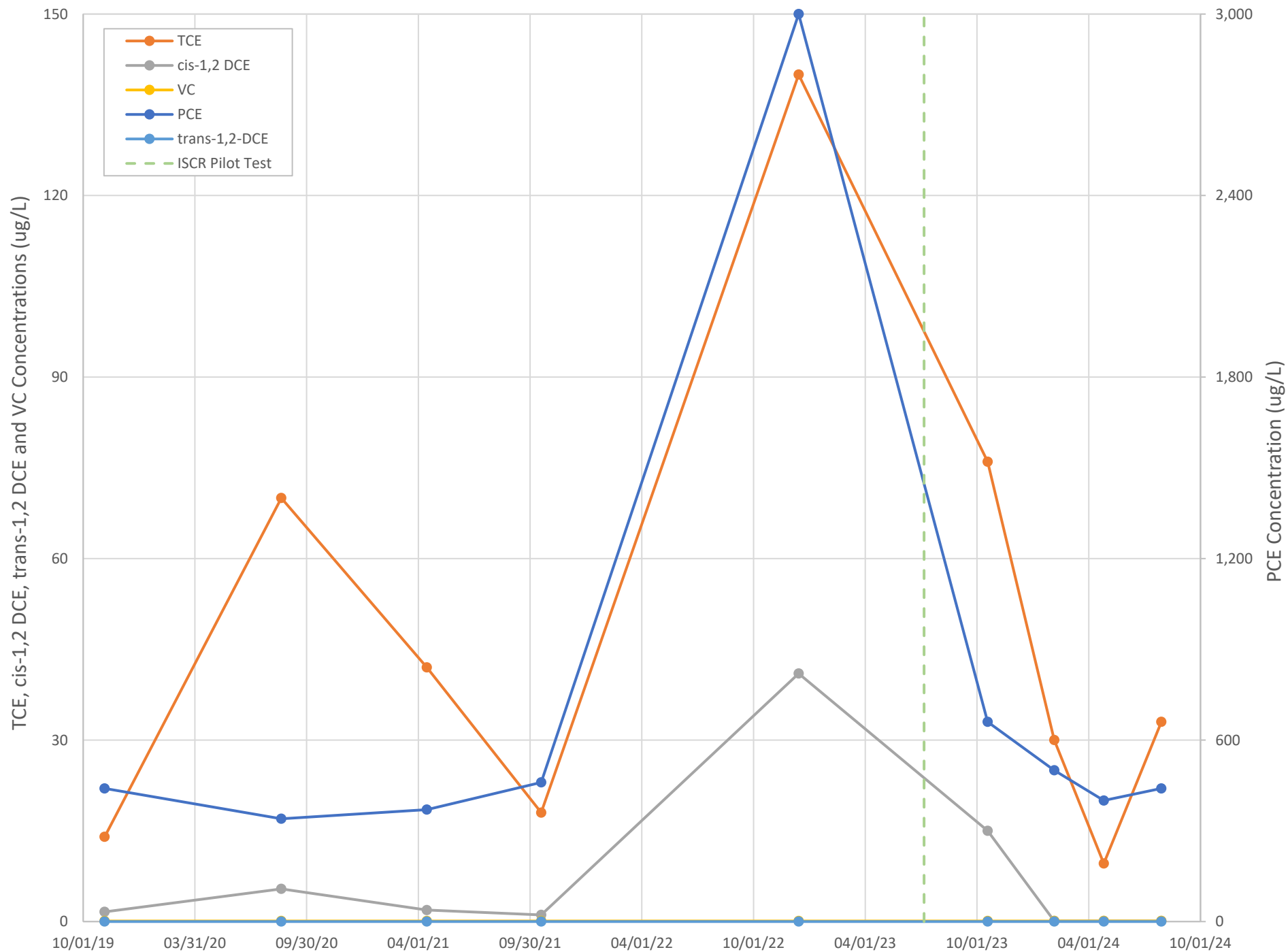


FIGURE 5 - TIME SERIES GRAPH OF DISSOLVED-PHASE CHEMICAL CONCENTRATIONS FROM MW-104D

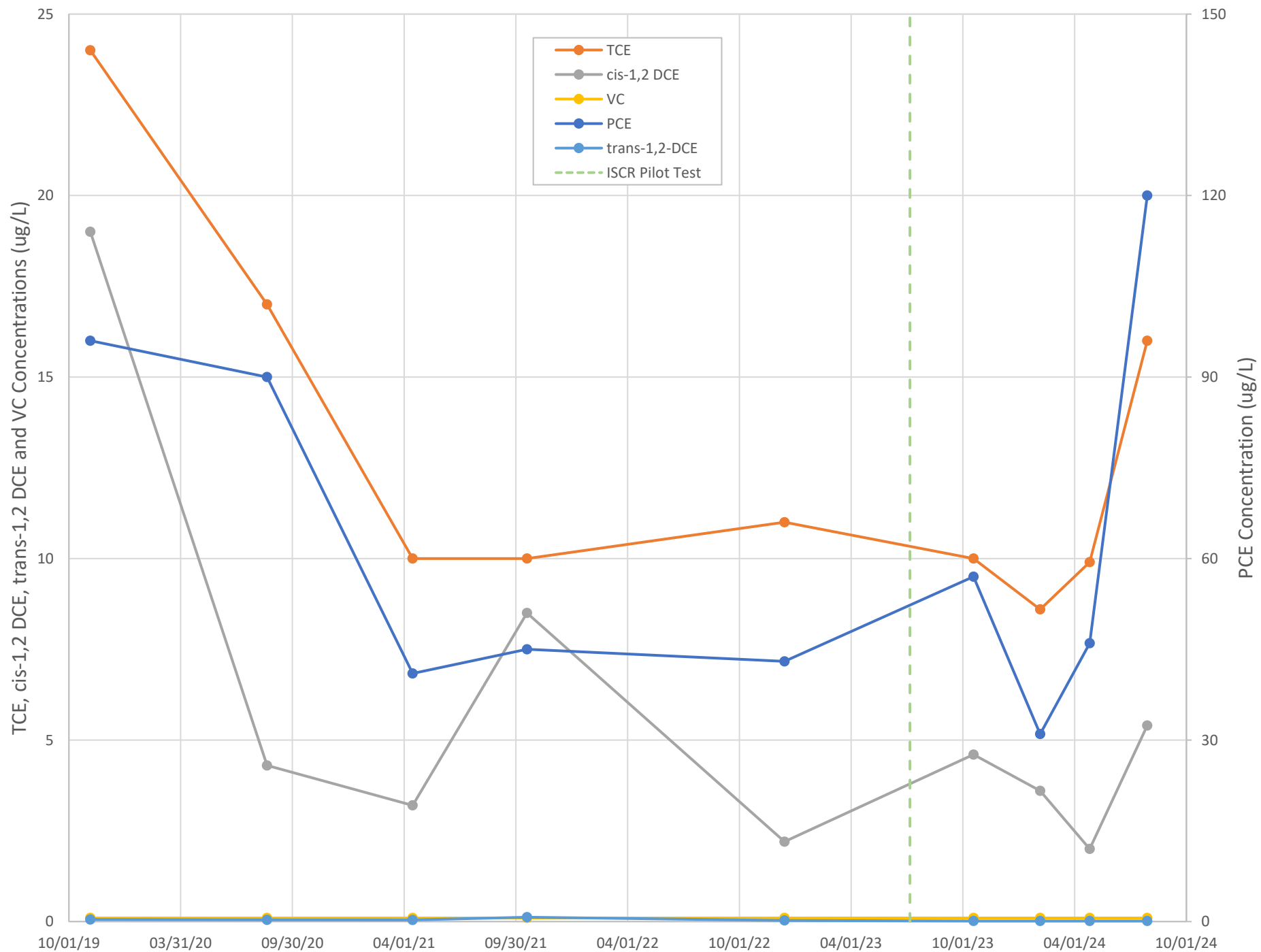
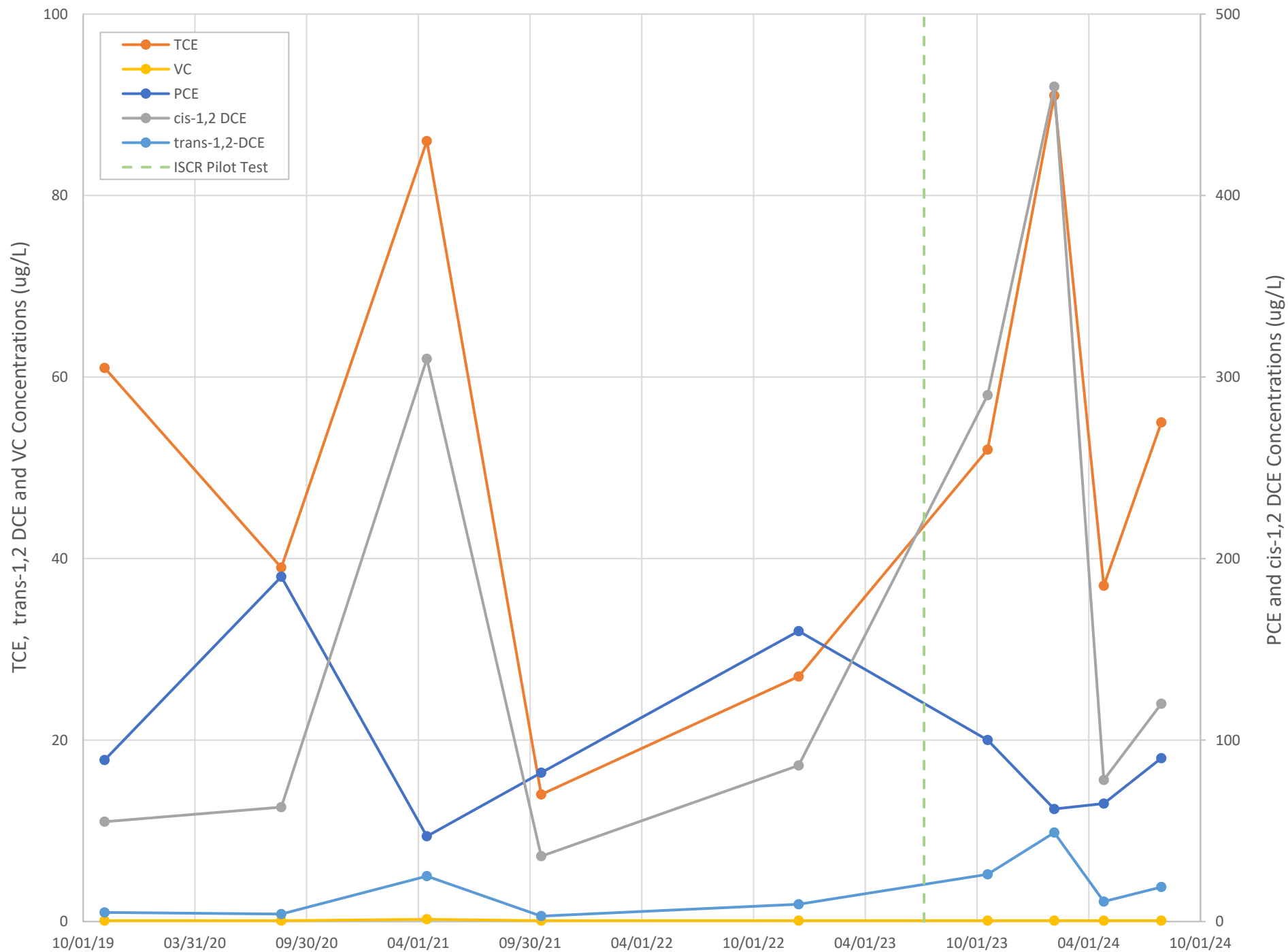


FIGURE 6 - TIME SERIES GRAPH OF DISSOLVED-PHASE CHEMICAL CONCENTRATIONS FROM MW-104S





APPENDIX A



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

SITE MAP

0 25
SCALE IN FEET

FORMER CLEANER PRODUCT SUPPLY
50-45 BARNETT AVE
SUNNYSIDE, NY
NYSDEC SITE #241123



APPENDIX B

ACV JOB #

10054

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 800-777-4557	4. Waste Tracking Number RSG 1001607
5. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12207 Generator's Phone: 646-584-6483		Generator's Site Address (if different than mailing address) 50-45 Barnett ave Summit, NY 11104 Long Island City, NY JOB#RH109836			
6. Transporter 1 Company Name ACV Environmental Services, Inc.		U.S. EPA ID Number NJD003812047			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address Cycle Chem, INC. 217 South First Street Elizabeth, NJ 07206 Facility's Phone: 908-355-5800		U.S. EPA ID Number NJD002200046			
9. Waste Shipping Name and Description		10. Containers No. Type		11. Total Quantity	12. Unit Wt/Vol.
1. Non RCRA/Non DOT (Purge Water) Non Regulator Material		X 2 DM		X 110	G
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information 9.1) Purge Water Profile#934578 ACV Contact: Namanda Burke 732-343-1495 TRUCK # BTO157 PLATE# XJL-G42 DECAL# 013327 SO#RH109					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Bruce Vigliotta		Signature Bruce Vigliotta		Month Day Year 6 14 24	
15. International Shipments ☐ Import to U.S.		☐ Export from U.S.		Port of entry/exit: AGENT FOR NYS DEC Date leaving U.S.:	
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Luisito Gomez		Signature		Month Day Year 06 14 24	
Transporter 2 Printed/Typed Name		Signature		Month Day Year (LG) 06 14 24	
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)		U.S. EPA ID Number			
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name J. Coriano		Signature J. Coriano		Month Day Year 7 3 24	



APPENDIX C

May 28, 2024

Kyle Forster
NYDEC _Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: 50-45 Barnett Ave, Sunnyside, NY
Client Job Number:
Project Number: 241123
Laboratory Work Order Number: 24D3296

Enclosed are results of analyses for samples as received by the laboratory on April 27, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Kyle Forster

REPORT DATE: 5/28/2024

PURCHASE ORDER NUMBER: 151736

PROJECT NUMBER: 241123

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24D3296

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 50-45 Barnett Ave, Sunnyside, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-6	24D3296-01	Ground Water		EPA 300.0 SM 21-23 5310B SW-846 6010D SW-846 8260D	
MW-104S	24D3296-02	Ground Water		EPA 300.0 SM 21-23 5310B SW-846 6010D SW-846 8260D	
MW-104D	24D3296-03	Ground Water		EPA 300.0 SM 21-23 5310B SW-846 6010D SW-846 8260D	
MW-107D	24D3296-04	Ground Water		SW-846 8260D	
MW-5	24D3296-05	Ground Water		SW-846 8260D	
MW-X	24D3296-06	Ground Water		SW-846 8260D	
Equipment_Blank	24D3296-07	Equipment Blank Water		SW-846 8260D	
Trip_Blank	24D3296-08	Trip Blank Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EPA 300.0**Qualifications:****MS-07A**

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.
Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**Nitrate as N**

24D3296-01[MW-6], B372776-MS1, B372776-MSD1

SW-846 8260D**Qualifications:****L-04**

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Acetone**

24D3296-01[MW-6], B373060-BLK1, B373060-BS1, B373060-BSD1, S103987-CCV1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**Acetone**

24D3296-01[MW-6], B373060-MS1, B373060-MSD1

Vinyl Chloride

24D3296-01[MW-6], B373060-MS1, B373060-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B373060-MS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

24D3296-01[MW-6], 24D3296-06[MW-X]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**2-Butanone (MEK)**

24D3296-02[MW-104S], 24D3296-03[MW-104D], 24D3296-04[MW-107D], 24D3296-05[MW-5], 24D3296-06[MW-X], 24D3296-07[Equipment_Blank], 24D3296-08[Trip_Blank], B372868-BLK1, B372868-BS1, B372868-BSD1, S103924-CCV1

Acetone

24D3296-01[MW-6], 24D3296-02[MW-104S], 24D3296-03[MW-104D], 24D3296-04[MW-107D], 24D3296-05[MW-5], 24D3296-06[MW-X], 24D3296-07[Equipment_Blank], 24D3296-08[Trip_Blank], B372868-BLK1, B372868-BS1, B372868-BSD1, B373060-BLK1, B373060-BS1, B373060-BSD1, S103924-CCV1, S103987-CCV1

Methyl Acetate

24D3296-01[MW-6], 24D3296-02[MW-104S], 24D3296-03[MW-104D], 24D3296-04[MW-107D], 24D3296-05[MW-5], 24D3296-06[MW-X], 24D3296-07[Equipment_Blank], 24D3296-08[Trip_Blank], B372868-BLK1, B372868-BS1, B372868-BSD1, B373060-BLK1, B373060-BS1, B373060-BSD1, S103924-CCV1, S103987-CCV1

Vinyl Chloride

24D3296-01[MW-6], B373060-BLK1, B373060-BS1, B373060-BSD1, S103987-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Trichlorofluoromethane (Freon 11)**

B372868-BS1, B372868-BSD1, S103924-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B372868-BS1, B372868-BSD1, B373060-BS1, B373060-BSD1, B373060-MS1, B373060-MSD1, S103924-CCV1, S103987-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-6

Sampled: 4/26/2024 09:35

Sample ID: 24D3296-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	µg/L	5	V-05, L-04, MS-09	SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Benzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Bromoform	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Bromomethane	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Carbon Disulfide	ND	25	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Chlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Chloroethane	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Chloroform	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Chloromethane	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Cyclohexane	ND	25	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,1-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,1-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
cis-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
trans-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Ethylbenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Methyl Acetate	ND	5.0	µg/L	5	V-05	SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Methyl Cyclohexane	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Methylene Chloride	ND	25	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Naphthalene	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Styrene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-6

Sampled: 4/26/2024 09:35

Sample ID: 24D3296-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Tetrachloroethylene	400	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Toluene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2,3-Trichlorobenzene	ND	25	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2,4-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,1,1-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Trichloroethylene	9.6	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2,3-Trichloropropane	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Vinyl Chloride	ND	10	µg/L	5	V-05, MS-09	SW-846 8260D	5/1/24	5/2/24 14:00	EEH
m+p Xylene	ND	10	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
o-Xylene	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Xylenes (total)	ND	5.0	µg/L	5		SW-846 8260D	5/1/24	5/2/24 14:00	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4	102		70-130				5/2/24 14:00		
Toluene-d8	101		70-130				5/2/24 14:00		
4-Bromofluorobenzene	103		70-130				5/2/24 14:00		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-6

Sampled: 4/26/2024 09:35

Sample ID: 24D3296-01

Sample Matrix: Ground Water

Metals Analyses (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Calcium	14	0.50	mg/L	1		SW-846 6010D	5/23/24	5/28/24 13:59	HNN
Iron	0.22	0.050	mg/L	1		SW-846 6010D	5/23/24	5/28/24 13:59	HNN
Manganese	0.11	0.010	mg/L	1		SW-846 6010D	5/23/24	5/28/24 13:59	HNN

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-6

Sampled: 4/26/2024 09:35

Sample ID: 24D3296-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	ND	0.050	mg/L	1		SW-846 6010D	5/22/24	5/27/24 18:21	NC
Manganese	0.097	0.010	mg/L	1		SW-846 6010D	5/22/24	5/27/24 18:21	NC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-6

Sampled: 4/26/2024 09:35

Sample ID: 24D3296-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nitrate as N	1.6	0.10	mg/L	1	MS-07A	EPA 300.0	4/27/24	4/27/24 14:41	EMF
Sulfate	10	1.0	mg/L	1		EPA 300.0	4/27/24	4/27/24 14:41	EMF
Total Organic Carbon	ND	1.0	mg/L	1		SM 21-23 5310B	5/2/24	5/2/24 12:59	MVD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-6

Sampled: 4/26/2024 09:35

Sample ID: 24D3296-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	1.4	1.0	mg/L	1		SM 21-23 5310B	5/2/24	5/2/24 12:12	MVD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104S

Sampled: 4/26/2024 11:35

Sample ID: 24D3296-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 16:34	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
cis-1,2-Dichloroethylene	78	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
trans-1,2-Dichloroethylene	11	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104S

Sampled: 4/26/2024 11:35

Sample ID: 24D3296-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Tetrachloroethylene	65	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Trichloroethylene	37	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:34	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	110	70-130							
Toluene-d8	99.9	70-130							
4-Bromofluorobenzene	104	70-130							

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104S

Sampled: 4/26/2024 11:35

Sample ID: 24D3296-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Calcium	44	0.50	mg/L	1		SW-846 6010D	5/23/24	5/28/24 14:08	HNN
Iron	0.11	0.050	mg/L	1		SW-846 6010D	5/23/24	5/28/24 14:08	HNN
Manganese	0.040	0.010	mg/L	1		SW-846 6010D	5/23/24	5/28/24 14:08	HNN

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104S

Sampled: 4/26/2024 11:35

Sample ID: 24D3296-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	ND	0.050	mg/L	1		SW-846 6010D	5/22/24	5/27/24 18:27	NC
Manganese	0.030	0.010	mg/L	1		SW-846 6010D	5/22/24	5/27/24 18:27	NC

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104S

Sampled: 4/26/2024 11:35

Sample ID: 24D3296-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nitrate as N	0.74	0.10	mg/L	1		EPA 300.0	4/27/24	4/27/24 15:48	EMF
Sulfate	9.9	1.0	mg/L	1		EPA 300.0	4/27/24	4/27/24 15:48	EMF
Total Organic Carbon	1.2	1.0	mg/L	1		SM 21-23 5310B	5/2/24	5/2/24 14:03	MVD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104S

Sampled: 4/26/2024 11:35

Sample ID: 24D3296-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	1.5	1.0	mg/L	1		SM 21-23 5310B	5/2/24	5/2/24 13:47	MVD

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104D

Sampled: 4/26/2024 12:40

Sample ID: 24D3296-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 15:43	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
cis-1,2-Dichloroethylene	2.0	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104D

Sampled: 4/26/2024 12:40

Sample ID: 24D3296-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Tetrachloroethylene	46	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Trichloroethylene	9.9	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 15:43	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	110	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	104	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Date Received: 4/27/2024

Field Sample #: MW-104D

Sample ID: 24D3296-03

Sample Matrix: Ground Water

Sample Description:

Work Order: 24D3296

Sampled: 4/26/2024 12:40

Metals Analyses (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Calcium	97	0.50	mg/L	1		SW-846 6010D	5/23/24	5/28/24 14:14	HNN
Iron	0.27	0.050	mg/L	1		SW-846 6010D	5/23/24	5/28/24 14:14	HNN
Manganese	0.083	0.010	mg/L	1		SW-846 6010D	5/23/24	5/28/24 14:14	HNN

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104D

Sampled: 4/26/2024 12:40

Sample ID: 24D3296-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	ND	0.050	mg/L	1		SW-846 6010D	5/22/24	5/27/24 18:33	NC
Manganese	ND	0.010	mg/L	1		SW-846 6010D	5/22/24	5/27/24 18:33	NC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY Sample Description: Work Order: 24D3296
Date Received: 4/27/2024
Field Sample #: MW-104D Sampled: 4/26/2024 12:40
Sample ID: 24D3296-03
Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nitrate as N	4.2	0.10	mg/L	1		EPA 300.0	4/27/24	4/27/24 16:10	EMF
Sulfate	38	1.0	mg/L	1		EPA 300.0	4/27/24	4/27/24 16:10	EMF
Total Organic Carbon	ND	1.0	mg/L	1		SM 21-23 5310B	5/2/24	5/2/24 14:38	MVD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-104D

Sampled: 4/26/2024 12:40

Sample ID: 24D3296-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	ND	1.0	mg/L	1		SM 21-23 5310B	5/2/24	5/2/24 14:22	MVD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-107D

Sampled: 4/26/2024 10:35

Sample ID: 24D3296-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 13:34	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-107D

Sampled: 4/26/2024 10:35

Sample ID: 24D3296-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Tetrachloroethylene	2.2	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Trichloroethylene	3.1	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 13:34	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	109	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	124	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-5

Sampled: 4/26/2024 13:00

Sample ID: 24D3296-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 16:09	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-5

Sampled: 4/26/2024 13:00

Sample ID: 24D3296-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Tetrachloroethylene	21	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Trichloroethylene	9.8	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 16:09	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	112	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	104	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-X

Sampled: 4/26/2024 00:00

Sample ID: 24D3296-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	µg/L	10	V-05	SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Benzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Bromochloromethane	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Bromodichloromethane	ND	5.0	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Bromoform	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Bromomethane	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
2-Butanone (MEK)	ND	200	µg/L	10	V-05	SW-846 8260D	4/29/24	4/30/24 18:18	EEH
n-Butylbenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
sec-Butylbenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
tert-Butylbenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Carbon Disulfide	ND	50	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Carbon Tetrachloride	ND	50	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Chlorobenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Chlorodibromomethane	ND	5.0	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Chloroethane	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Chloroform	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Chloromethane	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Cyclohexane	ND	50	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2-Dibromoethane (EDB)	ND	5.0	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,3-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,4-Dichlorobenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,1-Dichloroethane	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2-Dichloroethane	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,1-Dichloroethylene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
cis-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
trans-1,2-Dichloroethylene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2-Dichloropropane	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
cis-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
trans-1,3-Dichloropropene	ND	5.0	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Ethylbenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
2-Hexanone (MBK)	ND	100	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Isopropylbenzene (Cumene)	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Methyl Acetate	ND	10	µg/L	10	V-05	SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Methyl Cyclohexane	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Methylene Chloride	ND	50	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Naphthalene	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
n-Propylbenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Styrene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: MW-X

Sampled: 4/26/2024 00:00

Sample ID: 24D3296-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Tetrachloroethylene	440	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Toluene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2,3-Trichlorobenzene	ND	50	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2,4-Trichlorobenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,1,1-Trichloroethane	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,1,2-Trichloroethane	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Trichloroethylene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Trichlorofluoromethane (Freon 11)	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2,3-Trichloropropane	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,2,4-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
1,3,5-Trimethylbenzene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Vinyl Chloride	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
m+p Xylene	ND	20	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
o-Xylene	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Xylenes (total)	ND	10	µg/L	10		SW-846 8260D	4/29/24	4/30/24 18:18	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	111	70-130							
Toluene-d8	99.8	70-130							
4-Bromofluorobenzene	104	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: Equipment_Blank

Sampled: 4/26/2024 09:05

Sample ID: 24D3296-07

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 11:24	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: Equipment_Blank

Sampled: 4/26/2024 09:05

Sample ID: 24D3296-07

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:24	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	110	70-130							
Toluene-d8	102	70-130							
4-Bromofluorobenzene	104	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: Trip_Blank

Sampled: 4/26/2024 09:00

Sample ID: 24D3296-08

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 11:50	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24D3296

Date Received: 4/27/2024

Field Sample #: Trip_Blank

Sampled: 4/26/2024 09:00

Sample ID: 24D3296-08

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/29/24	4/30/24 11:50	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	110	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	103	70-130							

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Sample Extraction Data

Prep Method:EPA 300.0 **Analytical Method:**EPA 300.0

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D3296-01 [MW-6]	B372776	10.0	10.0	04/27/24
24D3296-02 [MW-104S]	B372776	10.0	10.0	04/27/24
24D3296-03 [MW-104D]	B372776	10.0	10.0	04/27/24

SM 21-23 5310B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D3296-01 [MW-6]	B373685	50.0	50.0	05/02/24
24D3296-02 [MW-104S]	B373685	50.0	50.0	05/02/24
24D3296-03 [MW-104D]	B373685	50.0	50.0	05/02/24

SM 21-23 5310B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D3296-01 [MW-6]	B373832	50.0	50.0	05/02/24
24D3296-02 [MW-104S]	B373832	50.0	50.0	05/02/24
24D3296-03 [MW-104D]	B373832	50.0	50.0	05/02/24

Prep Method:SW-846 3005A Dissolved **Analytical Method:**SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D3296-01 [MW-6]	B375162	5.00	5.00	05/22/24
24D3296-02 [MW-104S]	B375162	5.00	5.00	05/22/24
24D3296-03 [MW-104D]	B375162	5.00	5.00	05/22/24

Prep Method:SW-846 3005A **Analytical Method:**SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D3296-01 [MW-6]	B375268	50.0	50.0	05/23/24
24D3296-02 [MW-104S]	B375268	50.0	50.0	05/23/24
24D3296-03 [MW-104D]	B375268	50.0	50.0	05/23/24

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D3296-02 [MW-104S]	B372868	5	5.00	04/29/24
24D3296-03 [MW-104D]	B372868	5	5.00	04/29/24
24D3296-04 [MW-107D]	B372868	5	5.00	04/29/24
24D3296-05 [MW-5]	B372868	5	5.00	04/29/24
24D3296-06 [MW-X]	B372868	0.5	5.00	04/29/24
24D3296-07 [Equipment_Blank]	B372868	5	5.00	04/29/24
24D3296-08 [Trip_Blank]	B372868	5	5.00	04/29/24

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D3296-01 [MW-6]	B373060	1	5.00	05/01/24

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Sample Extraction Data

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B372868 - SW-846 5030B
Blank (B372868-BLK1)

Prepared: 04/29/24 Analyzed: 04/30/24

Acetone	ND	50	µg/L							V-05
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B372868 - SW-846 5030B
Blank (B372868-BLK1)

Prepared: 04/29/24 Analyzed: 04/30/24

Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							

Surrogate: 1,2-Dichloroethane-d4	27.5		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			

LCS (B372868-BS1)

Prepared: 04/29/24 Analyzed: 04/30/24

Acetone	77.8	50	µg/L	100		77.8	70-160			V-05 †
Benzene	9.90	1.0	µg/L	10.0		99.0	70-130			
Bromochloromethane	8.60	1.0	µg/L	10.0		86.0	70-130			
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130			
Bromoform	10.4	1.0	µg/L	10.0		104	70-130			
Bromomethane	9.99	2.0	µg/L	10.0		99.9	40-160			†
2-Butanone (MEK)	79.3	20	µg/L	100		79.3	40-160			V-05 †
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
sec-Butylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Carbon Disulfide	76.2	5.0	µg/L	100		76.2	70-130			
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130			
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105	70-130			
Chloroethane	9.69	2.0	µg/L	10.0		96.9	70-130			
Chloroform	10.9	2.0	µg/L	10.0		109	70-130			
Chloromethane	8.93	2.0	µg/L	10.0		89.3	40-160			†
Cyclohexane	7.97	5.0	µg/L	10.0		79.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.9	5.0	µg/L	10.0		119	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130			
1,4-Dichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
Dichlorodifluoromethane (Freon 12)	11.6	2.0	µg/L	10.0		116	40-160			†
1,1-Dichloroethane	9.27	1.0	µg/L	10.0		92.7	70-130			
1,2-Dichloroethane	9.76	1.0	µg/L	10.0		97.6	70-130			
1,1-Dichloroethylene	9.02	1.0	µg/L	10.0		90.2	70-130			
cis-1,2-Dichloroethylene	9.08	1.0	µg/L	10.0		90.8	70-130			
trans-1,2-Dichloroethylene	8.91	1.0	µg/L	10.0		89.1	70-130			
1,2-Dichloropropane	9.01	1.0	µg/L	10.0		90.1	70-130			
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
Ethylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130			
2-Hexanone (MBK)	87.7	10	µg/L	100		87.7	70-160			†
Isopropylbenzene (Cumene)	9.71	1.0	µg/L	10.0		97.1	70-130			
p-Isopropyltoluene (p-Cymene)	9.46	1.0	µg/L	10.0		94.6	70-130			
Methyl Acetate	7.01	1.0	µg/L	10.0		70.1	70-130			V-05, V-36
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B372868 - SW-846 5030B
LCS (B372868-BS1)

Prepared: 04/29/24 Analyzed: 04/30/24

Methyl Cyclohexane	9.83	1.0	µg/L	10.0		98.3	70-130			
Methylene Chloride	8.93	5.0	µg/L	10.0		89.3	70-130			
4-Methyl-2-pentanone (MIBK)	87.0	10	µg/L	100		87.0	70-160			†
Naphthalene	9.46	2.0	µg/L	10.0		94.6	40-130			†
n-Propylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130			
Styrene	9.71	1.0	µg/L	10.0		97.1	70-130			
1,1,2,2-Tetrachloroethane	9.37	0.50	µg/L	10.0		93.7	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Toluene	10.0	1.0	µg/L	10.0		100	70-130			
1,2,3-Trichlorobenzene	12.2	5.0	µg/L	10.0		122	70-130			
1,2,4-Trichlorobenzene	12.1	1.0	µg/L	10.0		121	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130			V-20
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130			
1,2,4-Trimethylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
1,3,5-Trimethylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130			
Vinyl Chloride	8.08	2.0	µg/L	10.0		80.8	40-160			†
m+p Xylene	20.3	2.0	µg/L	20.0		101	70-130			
o-Xylene	9.82	1.0	µg/L	10.0		98.2	70-130			
Xylenes (total)	30.1	1.0	µg/L	30.0		100	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.6		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			

LCS Dup (B372868-BSD1)

Prepared: 04/29/24 Analyzed: 04/30/24

Acetone	82.2	50	µg/L	100		82.2	70-160	5.49	25	V-05	†
Benzene	10.3	1.0	µg/L	10.0		103	70-130	3.57	25		
Bromochloromethane	8.94	1.0	µg/L	10.0		89.4	70-130	3.88	25		
Bromodichloromethane	11.4	0.50	µg/L	10.0		114	70-130	4.20	25		
Bromoform	8.85	1.0	µg/L	10.0		88.5	70-130	15.8	25		
Bromomethane	11.0	2.0	µg/L	10.0		110	40-160	9.44	25		†
2-Butanone (MEK)	81.3	20	µg/L	100		81.3	40-160	2.47	25	V-05	†
n-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	1.68	25		
sec-Butylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130	2.15	25		
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130	4.06	25		
Carbon Disulfide	79.0	5.0	µg/L	100		79.0	70-130	3.56	25		
Carbon Tetrachloride	11.5	5.0	µg/L	10.0		115	70-130	6.17	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.28	25		
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130	3.18	25		
Chloroethane	9.83	2.0	µg/L	10.0		98.3	70-130	1.43	25		
Chloroform	11.1	2.0	µg/L	10.0		111	70-130	2.00	25		
Chloromethane	9.53	2.0	µg/L	10.0		95.3	40-160	6.50	25		†
Cyclohexane	8.13	5.0	µg/L	10.0		81.3	70-130	1.99	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.52	5.0	µg/L	10.0		95.2	70-130	22.2	25		
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130	3.25	25		
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	4.56	25		
1,3-Dichlorobenzene	9.93	1.0	µg/L	10.0		99.3	70-130	0.402	25		
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	5.05	25		
Dichlorodifluoromethane (Freon 12)	12.5	2.0	µg/L	10.0		125	40-160	7.46	25		†

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B372868 - SW-846 5030B
LCS Dup (B372868-BS1)

Prepared: 04/29/24 Analyzed: 04/30/24

1,1-Dichloroethane	9.47	1.0	µg/L	10.0		94.7	70-130	2.13	25	
1,2-Dichloroethane	9.70	1.0	µg/L	10.0		97.0	70-130	0.617	25	
1,1-Dichloroethylene	9.01	1.0	µg/L	10.0		90.1	70-130	0.111	25	
cis-1,2-Dichloroethylene	9.36	1.0	µg/L	10.0		93.6	70-130	3.04	25	
trans-1,2-Dichloroethylene	9.18	1.0	µg/L	10.0		91.8	70-130	2.99	25	
1,2-Dichloropropane	9.23	1.0	µg/L	10.0		92.3	70-130	2.41	25	
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	2.45	25	
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130	0.460	25	
Ethylbenzene	9.21	1.0	µg/L	10.0		92.1	70-130	7.22	25	
2-Hexanone (MBK)	86.4	10	µg/L	100		86.4	70-160	1.52	25	†
Isopropylbenzene (Cumene)	8.57	1.0	µg/L	10.0		85.7	70-130	12.5	25	
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130	10.8	25	
Methyl Acetate	7.09	1.0	µg/L	10.0		70.9	70-130	1.13	25	V-05, V-36
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130	1.66	25	
Methyl Cyclohexane	10.0	1.0	µg/L	10.0		100	70-130	2.11	25	
Methylene Chloride	9.27	5.0	µg/L	10.0		92.7	70-130	3.74	25	
4-Methyl-2-pentanone (MIBK)	86.4	10	µg/L	100		86.4	70-160	0.692	25	†
Naphthalene	8.01	2.0	µg/L	10.0		80.1	40-130	16.6	25	†
n-Propylbenzene	8.73	1.0	µg/L	10.0		87.3	70-130	10.1	25	
Styrene	8.35	1.0	µg/L	10.0		83.5	70-130	15.1	25	
1,1,2,2-Tetrachloroethane	8.46	0.50	µg/L	10.0		84.6	70-130	10.2	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130	3.98	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	2.46	25	
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130	15.7	25	
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	17.1	25	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	1.81	25	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	2.35	25	
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	3.95	25	
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0		122	70-130	5.99	25	V-20
1,2,3-Trichloropropane	8.79	2.0	µg/L	10.0		87.9	70-130	14.5	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130	4.77	25	
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	8.75	25	
1,3,5-Trimethylbenzene	8.95	1.0	µg/L	10.0		89.5	70-130	10.2	25	
Vinyl Chloride	8.44	2.0	µg/L	10.0		84.4	40-160	4.36	25	†
m+p Xylene	17.3	2.0	µg/L	20.0		86.5	70-130	15.8	25	
o-Xylene	8.96	1.0	µg/L	10.0		89.6	70-130	9.16	25	
Xylenes (total)	26.3	1.0	µg/L	30.0		87.5	0-200	13.6		
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	22.3		µg/L	25.0		89.2	70-130			

Batch B373060 - SW-846 5030B
Blank (B373060-BLK1)

Prepared: 05/01/24 Analyzed: 05/02/24

Acetone	ND	50	µg/L							L-04, V-05
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B373060 - SW-846 5030B
Blank (B373060-BLK1)

Prepared: 05/01/24 Analyzed: 05/02/24

sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							V-05
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B373060 - SW-846 5030B										
Blank (B373060-BLK1)										
Prepared: 05/01/24 Analyzed: 05/02/24										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.7		µg/L	25.0		98.6	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	26.4		µg/L	25.0		105	70-130			
LCS (B373060-BS1)										
Prepared: 05/01/24 Analyzed: 05/02/24										
Acetone	69.2	50	µg/L	100		69.2	* 70-160			L-04, V-05 †
Benzene	9.94	1.0	µg/L	10.0		99.4	70-130			
Bromochloromethane	8.34	1.0	µg/L	10.0		83.4	70-130			
Bromodichloromethane	9.97	0.50	µg/L	10.0		99.7	70-130			
Bromoform	9.87	1.0	µg/L	10.0		98.7	70-130			
Bromomethane	9.24	2.0	µg/L	10.0		92.4	40-160			†
2-Butanone (MEK)	81.3	20	µg/L	100		81.3	40-160			†
n-Butylbenzene	9.79	1.0	µg/L	10.0		97.9	70-130			
sec-Butylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130			
tert-Butylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130			
Carbon Disulfide	72.9	5.0	µg/L	100		72.9	70-130			
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130			
Chlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130			
Chlorodibromomethane	10.1	0.50	µg/L	10.0		101	70-130			
Chloroethane	8.96	2.0	µg/L	10.0		89.6	70-130			
Chloroform	10.3	2.0	µg/L	10.0		103	70-130			
Chloromethane	9.21	2.0	µg/L	10.0		92.1	40-160			†
Cyclohexane	8.42	5.0	µg/L	10.0		84.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130			
1,2-Dichlorobenzene	9.67	1.0	µg/L	10.0		96.7	70-130			
1,3-Dichlorobenzene	9.61	1.0	µg/L	10.0		96.1	70-130			
1,4-Dichlorobenzene	9.66	1.0	µg/L	10.0		96.6	70-130			
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160			†
1,1-Dichloroethane	9.17	1.0	µg/L	10.0		91.7	70-130			
1,2-Dichloroethane	8.26	1.0	µg/L	10.0		82.6	70-130			
1,1-Dichloroethylene	8.47	1.0	µg/L	10.0		84.7	70-130			
cis-1,2-Dichloroethylene	8.78	1.0	µg/L	10.0		87.8	70-130			
trans-1,2-Dichloroethylene	8.45	1.0	µg/L	10.0		84.5	70-130			
1,2-Dichloropropane	9.23	1.0	µg/L	10.0		92.3	70-130			
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130			
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
Ethylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
2-Hexanone (MBK)	87.5	10	µg/L	100		87.5	70-160			†
Isopropylbenzene (Cumene)	9.75	1.0	µg/L	10.0		97.5	70-130			
p-Isopropyltoluene (p-Cymene)	9.88	1.0	µg/L	10.0		98.8	70-130			
Methyl Acetate	7.26	1.0	µg/L	10.0		72.6	70-130			V-05, V-36
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl Cyclohexane	9.86	1.0	µg/L	10.0		98.6	70-130			
Methylene Chloride	8.45	5.0	µg/L	10.0		84.5	70-130			
4-Methyl-2-pentanone (MIBK)	87.3	10	µg/L	100		87.3	70-160			†
Naphthalene	8.37	2.0	µg/L	10.0		83.7	40-130			†
n-Propylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130			
Styrene	9.67	1.0	µg/L	10.0		96.7	70-130			
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B373060 - SW-846 5030B
LCS (B373060-BS1)

Prepared: 05/01/24 Analyzed: 05/02/24

Tetrachloroethylene	9.90	1.0	µg/L	10.0		99.0	70-130			
Toluene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	70-130			
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130			
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.0		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108	70-130			
1,2,4-Trimethylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,3,5-Trimethylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130			
Vinyl Chloride	6.06	2.0	µg/L	10.0		60.6	40-160			V-05 †
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130			
o-Xylene	9.99	1.0	µg/L	10.0		99.9	70-130			
Xylenes (total)	30.0	1.0	µg/L	30.0		99.9	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	25.7		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

LCS Dup (B373060-BSD1)

Prepared: 05/01/24 Analyzed: 05/02/24

Acetone	66.1	50	µg/L	100		66.1	* 70-160	4.55	25	L-04, V-05 †
Benzene	10.3	1.0	µg/L	10.0		103	70-130	3.75	25	
Bromochloromethane	8.39	1.0	µg/L	10.0		83.9	70-130	0.598	25	
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	6.41	25	
Bromoform	9.96	1.0	µg/L	10.0		99.6	70-130	0.908	25	
Bromomethane	9.64	2.0	µg/L	10.0		96.4	40-160	4.24	25	†
2-Butanone (MEK)	81.4	20	µg/L	100		81.4	40-160	0.0615	25	†
n-Butylbenzene	9.97	1.0	µg/L	10.0		99.7	70-130	1.82	25	
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	4.07	25	
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	3.84	25	
Carbon Disulfide	75.6	5.0	µg/L	100		75.6	70-130	3.54	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	2.47	25	
Chlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130	2.44	25	
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	70-130	1.57	25	
Chloroethane	8.95	2.0	µg/L	10.0		89.5	70-130	0.112	25	
Chloroform	10.6	2.0	µg/L	10.0		106	70-130	3.34	25	
Chloromethane	9.52	2.0	µg/L	10.0		95.2	40-160	3.31	25	†
Cyclohexane	8.59	5.0	µg/L	10.0		85.9	70-130	2.00	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102	70-130	4.05	25	
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130	1.27	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	4.25	25	
1,3-Dichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	1.45	25	
1,4-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130	3.26	25	
Dichlorodifluoromethane (Freon 12)	10.5	2.0	µg/L	10.0		105	40-160	3.10	25	†
1,1-Dichloroethane	9.55	1.0	µg/L	10.0		95.5	70-130	4.06	25	
1,2-Dichloroethane	8.41	1.0	µg/L	10.0		84.1	70-130	1.80	25	
1,1-Dichloroethylene	9.08	1.0	µg/L	10.0		90.8	70-130	6.95	25	
cis-1,2-Dichloroethylene	9.10	1.0	µg/L	10.0		91.0	70-130	3.58	25	
trans-1,2-Dichloroethylene	8.84	1.0	µg/L	10.0		88.4	70-130	4.51	25	
1,2-Dichloropropane	9.54	1.0	µg/L	10.0		95.4	70-130	3.30	25	
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	2.96	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B373060 - SW-846 5030B
LCS Dup (B373060-BSD1)

Prepared: 05/01/24 Analyzed: 05/02/24

trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	1.23	25	
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	2.31	25	
2-Hexanone (MBK)	83.7	10	µg/L	100		83.7	70-160	4.50	25	†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100	70-130	3.03	25	
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101	70-130	2.20	25	
Methyl Acetate	7.52	1.0	µg/L	10.0		75.2	70-130	3.52	25	V-05, V-36
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130	0.678	25	
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	3.59	25	
Methylene Chloride	8.52	5.0	µg/L	10.0		85.2	70-130	0.825	25	
4-Methyl-2-pentanone (MIBK)	83.6	10	µg/L	100		83.6	70-160	4.33	25	†
Naphthalene	8.41	2.0	µg/L	10.0		84.1	40-130	0.477	25	†
n-Propylbenzene	10.0	1.0	µg/L	10.0		100	70-130	1.41	25	
Styrene	9.91	1.0	µg/L	10.0		99.1	70-130	2.45	25	
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130	2.50	25	
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130	1.90	25	
Toluene	10.1	1.0	µg/L	10.0		101	70-130	1.89	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	1.28	25	
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.18	25	
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.24	25	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	0.986	25	
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.57	25	
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130	0.472	25	
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0		103	70-130	2.30	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130	2.48	25	
1,2,4-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.60	25	
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	2.01	25	
Vinyl Chloride	6.17	2.0	µg/L	10.0		61.7	40-160	1.80	25	V-05 †
m+p Xylene	20.3	2.0	µg/L	20.0		102	70-130	1.74	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	2.47	25	
Xylenes (total)	30.6	1.0	µg/L	30.0		102	0-200	1.98		
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.0	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.8		µg/L	25.0		103	70-130			

Matrix Spike (B373060-MS1)
Source: 24D3296-01

Prepared: 05/01/24 Analyzed: 05/02/24

Acetone	279	250	µg/L	500	ND	55.9 *	70-130			MS-09
Benzene	52.3	5.0	µg/L	50.0	ND	105	70-130			
Bromochloromethane	40.0	5.0	µg/L	50.0	ND	80.1	70-130			
Bromodichloromethane	49.9	2.5	µg/L	50.0	ND	99.8	70-130			
Bromoform	47.8	5.0	µg/L	50.0	ND	95.7	70-130			
Bromomethane	51.4	10	µg/L	50.0	ND	103	70-130			
2-Butanone (MEK)	364	100	µg/L	500	ND	72.7	70-130			
n-Butylbenzene	49.4	5.0	µg/L	50.0	ND	98.7	70-130			
sec-Butylbenzene	51.3	5.0	µg/L	50.0	ND	103	70-130			
tert-Butylbenzene	51.5	5.0	µg/L	50.0	ND	103	70-130			
Carbon Disulfide	407	25	µg/L	500	ND	81.4	70-130			
Carbon Tetrachloride	54.8	25	µg/L	50.0	ND	110	70-130			
Chlorobenzene	51.0	5.0	µg/L	50.0	ND	102	70-130			
Chlorodibromomethane	48.8	2.5	µg/L	50.0	ND	97.7	70-130			
Chloroethane	45.8	10	µg/L	50.0	ND	91.7	70-130			
Chloroform	52.4	10	µg/L	50.0	ND	105	70-130			
Chloromethane	48.1	10	µg/L	50.0	ND	96.2	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B373060 - SW-846 5030B										
Matrix Spike (B373060-MS1)	Source: 24D3296-01			Prepared: 05/01/24 Analyzed: 05/02/24						
Cyclohexane	45.6	25	µg/L	50.0	ND	91.3	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	47.0	25	µg/L	50.0	ND	94.0	70-130			
1,2-Dibromoethane (EDB)	50.4	2.5	µg/L	50.0	ND	101	70-130			
1,2-Dichlorobenzene	48.2	5.0	µg/L	50.0	ND	96.3	70-130			
1,3-Dichlorobenzene	47.3	5.0	µg/L	50.0	ND	94.6	70-130			
1,4-Dichlorobenzene	47.0	5.0	µg/L	50.0	ND	94.0	70-130			
Dichlorodifluoromethane (Freon 12)	56.4	10	µg/L	50.0	ND	113	70-130			
1,1-Dichloroethane	47.0	5.0	µg/L	50.0	ND	94.1	70-130			
1,2-Dichloroethane	40.2	5.0	µg/L	50.0	ND	80.5	70-130			
1,1-Dichloroethylene	47.2	5.0	µg/L	50.0	ND	94.4	70-130			
cis-1,2-Dichloroethylene	45.6	5.0	µg/L	50.0	1.55	88.1	70-130			
trans-1,2-Dichloroethylene	44.2	5.0	µg/L	50.0	ND	88.4	70-130			
1,2-Dichloropropane	46.0	5.0	µg/L	50.0	ND	92.0	70-130			
cis-1,3-Dichloropropene	49.8	2.5	µg/L	50.0	ND	99.5	70-130			
trans-1,3-Dichloropropene	48.9	2.5	µg/L	50.0	ND	97.8	70-130			
Ethylbenzene	52.0	5.0	µg/L	50.0	ND	104	70-130			
2-Hexanone (MBK)	386	50	µg/L	500	ND	77.2	70-130			
Isopropylbenzene (Cumene)	51.6	5.0	µg/L	50.0	ND	103	70-130			
p-Isopropyltoluene (p-Cymene)	51.2	5.0	µg/L	50.0	ND	102	70-130			
Methyl Acetate	32.0	5.0	µg/L	50.0	ND	64.1	* 70-130			MS-24, V-36
Methyl tert-Butyl Ether (MTBE)	49.8	5.0	µg/L	50.0	ND	99.6	70-130			
Methyl Cyclohexane	54.4	5.0	µg/L	50.0	ND	109	70-130			
Methylene Chloride	40.2	25	µg/L	50.0	ND	80.4	70-130			
4-Methyl-2-pentanone (MIBK)	391	50	µg/L	500	ND	78.1	70-130			
Naphthalene	46.0	10	µg/L	50.0	ND	92.1	70-130			
n-Propylbenzene	51.4	5.0	µg/L	50.0	ND	103	70-130			
Styrene	49.8	5.0	µg/L	50.0	ND	99.5	70-130			
1,1,2,2-Tetrachloroethane	48.5	2.5	µg/L	50.0	ND	97.0	70-130			
Tetrachloroethylene	459	5.0	µg/L	50.0	398	121	70-130			
Toluene	52.0	5.0	µg/L	50.0	ND	104	70-130			
1,2,3-Trichlorobenzene	52.1	25	µg/L	50.0	ND	104	70-130			
1,2,4-Trichlorobenzene	49.7	5.0	µg/L	50.0	ND	99.4	70-130			
1,1,1-Trichloroethane	52.6	5.0	µg/L	50.0	ND	105	70-130			
1,1,2-Trichloroethane	49.9	5.0	µg/L	50.0	ND	99.8	70-130			
Trichloroethylene	60.7	5.0	µg/L	50.0	9.65	102	70-130			
Trichlorofluoromethane (Freon 11)	54.3	10	µg/L	50.0	ND	109	70-130			
1,2,3-Trichloropropane	49.4	10	µg/L	50.0	ND	98.7	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.4	5.0	µg/L	50.0	ND	109	70-130			
1,2,4-Trimethylbenzene	50.0	5.0	µg/L	50.0	ND	100	70-130			
1,3,5-Trimethylbenzene	51.6	5.0	µg/L	50.0	ND	103	70-130			
Vinyl Chloride	34.2	10	µg/L	50.0	ND	68.5	* 70-130			MS-09
m+p Xylene	104	10	µg/L	100	ND	104	70-130			
o-Xylene	52.4	5.0	µg/L	50.0	ND	105	70-130			
Xylenes (total)	157	5.0	µg/L	150	ND	104	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.0		93.7	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	26.1		µg/L	25.0		104	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B373060 - SW-846 5030B										
Matrix Spike Dup (B373060-MSD1)	Source: 24D3296-01			Prepared: 05/01/24 Analyzed: 05/02/24						
Acetone	297	250	µg/L	500	ND	59.4 *	70-130	6.16	30	MS-09
Benzene	50.8	5.0	µg/L	50.0	ND	102	70-130	2.91	30	
Bromochloromethane	38.8	5.0	µg/L	50.0	ND	77.5	70-130	3.30	30	
Bromodichloromethane	49.8	2.5	µg/L	50.0	ND	99.7	70-130	0.100	30	
Bromoform	48.1	5.0	µg/L	50.0	ND	96.2	70-130	0.521	30	
Bromomethane	48.4	10	µg/L	50.0	ND	96.9	70-130	5.91	30	
2-Butanone (MEK)	375	100	µg/L	500	ND	75.0	70-130	3.07	30	
n-Butylbenzene	49.2	5.0	µg/L	50.0	ND	98.3	70-130	0.406	30	
sec-Butylbenzene	50.6	5.0	µg/L	50.0	ND	101	70-130	1.47	30	
tert-Butylbenzene	51.5	5.0	µg/L	50.0	ND	103	70-130	0.00	30	
Carbon Disulfide	396	25	µg/L	500	ND	79.3	70-130	2.58	30	
Carbon Tetrachloride	53.4	25	µg/L	50.0	ND	107	70-130	2.68	30	
Chlorobenzene	49.6	5.0	µg/L	50.0	ND	99.3	70-130	2.68	30	
Chlorodibromomethane	47.9	2.5	µg/L	50.0	ND	95.8	70-130	1.96	30	
Chloroethane	45.6	10	µg/L	50.0	ND	91.1	70-130	0.656	30	
Chloroform	51.6	10	µg/L	50.0	ND	103	70-130	1.64	30	
Chloromethane	45.4	10	µg/L	50.0	ND	90.9	70-130	5.67	30	
Cyclohexane	42.9	25	µg/L	50.0	ND	85.8	70-130	6.21	30	
1,2-Dibromo-3-chloropropane (DBCP)	50.2	25	µg/L	50.0	ND	100	70-130	6.68	30	
1,2-Dibromoethane (EDB)	49.5	2.5	µg/L	50.0	ND	99.0	70-130	1.90	30	
1,2-Dichlorobenzene	48.0	5.0	µg/L	50.0	ND	95.9	70-130	0.416	30	
1,3-Dichlorobenzene	47.6	5.0	µg/L	50.0	ND	95.3	70-130	0.737	30	
1,4-Dichlorobenzene	48.0	5.0	µg/L	50.0	ND	96.1	70-130	2.21	30	
Dichlorodifluoromethane (Freon 12)	55.2	10	µg/L	50.0	ND	110	70-130	2.33	30	
1,1-Dichloroethane	46.9	5.0	µg/L	50.0	ND	93.8	70-130	0.319	30	
1,2-Dichloroethane	39.5	5.0	µg/L	50.0	ND	79.0	70-130	1.88	30	
1,1-Dichloroethylene	47.0	5.0	µg/L	50.0	ND	93.9	70-130	0.531	30	
cis-1,2-Dichloroethylene	45.4	5.0	µg/L	50.0	1.55	87.8	70-130	0.329	30	
trans-1,2-Dichloroethylene	43.8	5.0	µg/L	50.0	ND	87.7	70-130	0.795	30	
1,2-Dichloropropane	44.7	5.0	µg/L	50.0	ND	89.4	70-130	2.87	30	
cis-1,3-Dichloropropene	48.0	2.5	µg/L	50.0	ND	96.1	70-130	3.48	30	
trans-1,3-Dichloropropene	49.1	2.5	µg/L	50.0	ND	98.2	70-130	0.408	30	
Ethylbenzene	50.8	5.0	µg/L	50.0	ND	102	70-130	2.33	30	
2-Hexanone (MBK)	407	50	µg/L	500	ND	81.3	70-130	5.25	30	
Isopropylbenzene (Cumene)	50.4	5.0	µg/L	50.0	ND	101	70-130	2.45	30	
p-Isopropyltoluene (p-Cymene)	50.2	5.0	µg/L	50.0	ND	100	70-130	1.78	30	
Methyl Acetate	35.6	5.0	µg/L	50.0	ND	71.1	70-130	10.4	30	V-36
Methyl tert-Butyl Ether (MTBE)	50.2	5.0	µg/L	50.0	ND	100	70-130	0.700	30	
Methyl Cyclohexane	52.1	5.0	µg/L	50.0	ND	104	70-130	4.23	30	
Methylene Chloride	40.8	25	µg/L	50.0	ND	81.6	70-130	1.48	30	
4-Methyl-2-pentanone (MIBK)	402	50	µg/L	500	ND	80.3	70-130	2.75	30	
Naphthalene	45.4	10	µg/L	50.0	ND	90.9	70-130	1.31	30	
n-Propylbenzene	50.4	5.0	µg/L	50.0	ND	101	70-130	1.87	30	
Styrene	49.3	5.0	µg/L	50.0	ND	98.6	70-130	0.909	30	
1,1,2,2-Tetrachloroethane	49.6	2.5	µg/L	50.0	ND	99.1	70-130	2.14	30	
Tetrachloroethylene	445	5.0	µg/L	50.0	398	93.8	70-130	3.02	30	
Toluene	50.6	5.0	µg/L	50.0	ND	101	70-130	2.73	30	
1,2,3-Trichlorobenzene	52.4	25	µg/L	50.0	ND	105	70-130	0.479	30	
1,2,4-Trichlorobenzene	49.0	5.0	µg/L	50.0	ND	97.9	70-130	1.52	30	
1,1,1-Trichloroethane	51.8	5.0	µg/L	50.0	ND	104	70-130	1.53	30	
1,1,2-Trichloroethane	48.2	5.0	µg/L	50.0	ND	96.4	70-130	3.47	30	
Trichloroethylene	60.7	5.0	µg/L	50.0	9.65	102	70-130	0.00	30	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B373060 - SW-846 5030B

Matrix Spike Dup (B373060-MSD1)		Source: 24D3296-01		Prepared: 05/01/24 Analyzed: 05/02/24						
Trichlorofluoromethane (Freon 11)	54.0	10	µg/L	50.0	ND	108	70-130	0.461	30	
1,2,3-Trichloropropane	50.2	10	µg/L	50.0	ND	100	70-130	1.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.2	5.0	µg/L	50.0	ND	108	70-130	0.276	30	
1,2,4-Trimethylbenzene	50.6	5.0	µg/L	50.0	ND	101	70-130	1.09	30	
1,3,5-Trimethylbenzene	50.4	5.0	µg/L	50.0	ND	101	70-130	2.45	30	
Vinyl Chloride	32.2	10	µg/L	50.0	ND	64.5	* 70-130	6.02	30	MS-09
m+p Xylene	103	10	µg/L	100	ND	103	70-130	1.45	20	
o-Xylene	51.1	5.0	µg/L	50.0	ND	102	70-130	2.51	30	
Xylenes (total)	154	5.0	µg/L	150	ND	103	0-200	1.80		
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.0		93.4	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B375268 - SW-846 3005A										
Blank (B375268-BLK1)				Prepared: 05/23/24 Analyzed: 05/28/24						
Calcium	ND	0.50	mg/L							
Iron	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
LCS (B375268-BS1)				Prepared: 05/23/24 Analyzed: 05/28/24						
Calcium	3.98	0.50	mg/L	4.00		99.4	80-120			
Iron	4.06	0.050	mg/L	4.00		101	80-120			
Manganese	0.498	0.010	mg/L	0.500		99.5	80-120			
LCS Dup (B375268-BSD1)				Prepared: 05/23/24 Analyzed: 05/28/24						
Calcium	3.93	0.50	mg/L	4.00		98.4	80-120	1.06	20	
Iron	4.00	0.050	mg/L	4.00		100	80-120	1.27	20	
Manganese	0.489	0.010	mg/L	0.500		97.9	80-120	1.64	20	
Matrix Spike (B375268-MS1)				Source: 24D3296-01		Prepared: 05/23/24 Analyzed: 05/28/24				
Calcium	17.8	0.50	mg/L	4.00	14.0	94.7	75-125			
Iron	4.11	0.050	mg/L	4.00	0.216	97.3	75-125			
Manganese	0.595	0.010	mg/L	0.500	0.115	95.9	75-125			
Matrix Spike Dup (B375268-MSD1)				Source: 24D3296-01		Prepared: 05/23/24 Analyzed: 05/28/24				
Calcium	18.1	0.50	mg/L	4.00	14.0	102	75-125	1.65	20	
Iron	4.23	0.050	mg/L	4.00	0.216	100	75-125	2.96	20	
Manganese	0.609	0.010	mg/L	0.500	0.115	98.9	75-125	2.49	20	
Post Spike (B375268-PS1)				Source: 24D3296-01		Prepared: 05/23/24 Analyzed: 05/28/24				
Calcium	28.9		mg/L	16.0	13.7	95.2	75-125			
Iron	15.5		mg/L	16.0	0.212	95.4	75-125			
Manganese	1.98		mg/L	2.00	0.113	93.2	75-125			
Dilution Check (B375268-SRL1)				Source: 24D3296-01		Prepared: 05/23/24 Analyzed: 05/28/24				
Calcium	13.4	2.5	mg/L		14.0			3.85	20	
Iron	0.213	0.25	mg/L		0.216			1.38	20	
Manganese	0.111	0.050	mg/L		0.115			3.21	20	

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QUALITY CONTROL
Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B375162 - SW-846 3005A Dissolved										
Blank (B375162-BLK1)				Prepared: 05/22/24 Analyzed: 05/27/24						
Iron	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
LCS (B375162-BS1)				Prepared: 05/22/24 Analyzed: 05/27/24						
Iron	2.04	0.050	mg/L	2.00		102	80-120			
Manganese	1.96	0.010	mg/L	2.00		98.0	80-120			
Matrix Spike (B375162-MS1)				Source: 24D3296-01		Prepared: 05/22/24 Analyzed: 05/27/24				
Iron	15.0	0.051	mg/L	16.3	ND	91.9	75-125			
Manganese	1.97	0.010	mg/L	2.04	0.0974	91.9	75-125			
Matrix Spike Dup (B375162-MSD1)				Source: 24D3296-01		Prepared: 05/22/24 Analyzed: 05/27/24				
Iron	15.1	0.051	mg/L	16.3	ND	92.3	75-125	0.419	20	
Manganese	1.99	0.010	mg/L	2.04	0.0974	92.7	75-125	0.768	20	
Dilution Check (B375162-SRL1)				Source: 24D3296-01		Prepared: 05/22/24 Analyzed: 05/27/24				
Iron	ND	0.25	mg/L		ND				20	
Manganese	0.0959	0.050	mg/L		0.0974			1.49	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B372776 - EPA 300.0										
Blank (B372776-BLK1)				Prepared & Analyzed: 04/27/24						
Nitrate as N	ND	0.10	mg/L							
Sulfate	ND	1.0	mg/L							
LCS (B372776-BS1)				Prepared & Analyzed: 04/27/24						
Nitrate as N	0.93	0.10	mg/L	1.00		93.2	90-110			
Sulfate	10	1.0	mg/L	10.0		101	90-110			
LCS Dup (B372776-BSD1)				Prepared & Analyzed: 04/27/24						
Nitrate as N	0.93	0.10	mg/L	1.00		93.0	90-110	0.129	20	
Sulfate	10	1.0	mg/L	10.0		101	90-110	0.0574	20	
Matrix Spike (B372776-MS1)				Source: 24D3296-01		Prepared & Analyzed: 04/27/24				
Nitrate as N	2.4	0.10	mg/L	1.00	1.6	78.0	*	80-120		MS-07A
Sulfate	19	1.0	mg/L	10.0	10	92.6		80-120		
Matrix Spike Dup (B372776-MSD1)				Source: 24D3296-01		Prepared & Analyzed: 04/27/24				
Nitrate as N	2.4	0.10	mg/L	1.00	1.6	78.3	*	80-120	0.127	20 MS-07A
Sulfate	19	1.0	mg/L	10.0	10	93.2		80-120	0.277	20
Batch B373832 - SM 21-23 5310B										
Blank (B373832-BLK1)				Prepared & Analyzed: 05/02/24						
Total Organic Carbon	ND	1.0	mg/L							
LCS (B373832-BS1)				Prepared & Analyzed: 05/02/24						
Total Organic Carbon	12.6	1.0	mg/L	12.8		98.8	90-110			
LCS Dup (B373832-BSD1)				Prepared & Analyzed: 05/02/24						
Total Organic Carbon	12.9	1.0	mg/L	12.8		101	90-110	2.13	15	
Matrix Spike (B373832-MS1)				Source: 24D3296-01		Prepared & Analyzed: 05/02/24				
Total Organic Carbon	5.90	1.0	mg/L	5.00	0.847	101	85-115			
Matrix Spike Dup (B373832-MSD1)				Source: 24D3296-01		Prepared & Analyzed: 05/02/24				
Total Organic Carbon	6.01	1.0	mg/L	5.00	0.847	103	85-115	1.88	15	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B373685 - SM 21-23 5310B										
Blank (B373685-BLK1)				Prepared & Analyzed: 05/02/24						
Total Organic Carbon	ND	1.0	mg/L							
LCS (B373685-BS1)				Prepared & Analyzed: 05/02/24						
Total Organic Carbon	12.6	1.0	mg/L	12.8		98.8	90-110			
LCS Dup (B373685-BSD1)				Prepared & Analyzed: 05/02/24						
Total Organic Carbon	12.9	1.0	mg/L	12.8		101	90-110	2.13	15	
Matrix Spike (B373685-MS1)				Prepared & Analyzed: 05/02/24						
Total Organic Carbon	6.26	1.0	mg/L	5.00	1.38	97.5	85-115			
Matrix Spike Dup (B373685-MSD1)				Prepared & Analyzed: 05/02/24						
Total Organic Carbon	6.19	1.0	mg/L	5.00	1.38	96.2	85-115	1.06	15	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 300.0 in Water</i>	
Nitrate as N	NC,NY,MA,VA,ME,NH,CT,RI
Sulfate	NC,NY,MA,VA,ME,NH,CT,RI
<i>SM 21-23 5310B in Water</i>	
Total Organic Carbon	CT,NH,NY,RI,NC,VA
Total Organic Carbon	CT,NH,NY,RI,NC,MA,VA
<i>SW-846 6010D in Water</i>	
Calcium	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
Manganese	CT,NH,NY,ME,NC,VA
Manganese	CT,NH,NY,ME,VA,NC
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
RI	Rhode Island Department of Health	LAO00373	12/30/2024
NC	North Carolina Div. of Water Quality	652	12/31/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EGR
Project 151736
MCP/RCP Required no
Deliverable Package Requirement CATA
Location NY
PWSID# (When Applicable) NA
Arrival Method:
Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time CR 4/27/24 910
Back-Sheet By / Date / Time CR 4/27/24 952
Temperature Method gsm # 6
Temp < 6° C Actual Temperature 33
Rush Samples: Yes / ☒ No Notify
Short Hold: ☒ Yes ☐ No Notify Teams

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
<u>Received on Ice</u>	☒	☐
<u>Received in Cooler</u>	☒	☐
<u>Custody Seal:</u> DATE TIME	☐	☒
<u>COC Relinquished</u>	☒	☐
<u>COC/Samples Labels Agree</u>	☒	☐
<u>All Samples in Good Condition</u>	☒	☐
<u>Samples Received within Holding Time</u>	☒	☐
<u>Is there enough Volume</u>	☒	☐
<u>Proper Media/Container Used</u>	☒	☐
<u>Splitting Samples Required</u>	☐	☒
<u>MS/MSD</u>	☒	☐
<u>Trip Blanks</u>	☒	☐
<u>Lab to Filters</u>	☐	☒
<u>COC Legible</u>	☒	☐
<u>COC Included:</u> (Check all included)		
Client ☒ Analysis ☒	Sampler Name ☒	
Project ☒ IDs ☒	Collection Date/Time ☒	
All Samples Proper pH: N/A ☒		☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Page 2 of 2

Sample	Soils Jars (Circle Amb/Clear)				Ambers				Plastics								VOA Vials				Other / Fill in								
					1 Liter		250mL		100mL	1 Liter		500mL	250mL																
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact	250 Amb/Clear	
1																		2											
2																		2											
3																		2											
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DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023


 Pace
ANALYTICAL SERVICES

August 5, 2024

Kyle Forster
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: 50-45 Barnett Ave, Sunnyside, NY
Client Job Number:
Project Number: 241123
Laboratory Work Order Number: 24G4216

Enclosed are results of analyses for samples as received by the laboratory on July 31, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_Environmental Assessment & Remediation

225 Atlantic Avenue

Patchogue, NY 11772

ATTN: Kyle Forster

REPORT DATE: 8/5/2024

PURCHASE ORDER NUMBER: 151736

PROJECT NUMBER: 241123

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24G4216

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 50-45 Barnett Ave, Sunnyside, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-104S	24G4216-01	Ground Water		SW-846 8260D	
MW-104D	24G4216-02	Ground Water		SW-846 8260D	
MW-5	24G4216-03	Ground Water		SW-846 8260D	
MW-6	24G4216-04	Ground Water		SW-846 8260D	
MW-103S	24G4216-05	Ground Water		SW-846 8260D	
Equipment Blank	24G4216-06	Equipment Blank Water		SW-846 8260D	
Trip Blank	24G4216-07	Trip Blank Water		SW-846 8260D	
MW-X	24G4216-08	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D**Qualifications:**

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Chloromethane**

B381835-BS1, B381835-BSD1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.

Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBCP)**

B381725-MS1, B381725-MSD1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:**Tetrachloroethylene**

B381725-MS1, B381725-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**Bromomethane**

B381725-MS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

24G4216-04[MW-6], 24G4216-08[MW-X]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**Bromoform**

B381835-BLK1, B381835-BS1, B381835-BSD1, S108494-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Chloromethane**

B381835-BS1, B381835-BSD1, S108494-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-104S

Sampled: 7/29/2024 08:30

Sample ID: 24G4216-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
cis-1,2-Dichloroethylene	120	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
trans-1,2-Dichloroethylene	19	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-104S

Sampled: 7/29/2024 08:30

Sample ID: 24G4216-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Tetrachloroethylene	90	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Trichloroethylene	55	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:57	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	86.3	70-130							
Toluene-d8	96.2	70-130							
4-Bromofluorobenzene	97.2	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-104D

Sampled: 7/29/2024 09:10

Sample ID: 24G4216-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
cis-1,2-Dichloroethylene	5.4	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-104D

Sampled: 7/29/2024 09:10

Sample ID: 24G4216-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Tetrachloroethylene	120	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Trichloroethylene	16	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:05	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	93.4	70-130							
Toluene-d8	98.1	70-130							
4-Bromofluorobenzene	97.6	70-130							

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-5

Sampled: 7/29/2024 09:50

Sample ID: 24G4216-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
cis-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-5

Sampled: 7/29/2024 09:50

Sample ID: 24G4216-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Tetrachloroethylene	33	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Trichloroethylene	11	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 14:31	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.6	70-130							
Toluene-d8	99.2	70-130							
4-Bromofluorobenzene	97.0	70-130							

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-6

Sampled: 7/29/2024 10:30

Sample ID: 24G4216-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Benzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Bromoform	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Bromomethane	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Carbon Disulfide	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Chloroethane	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Chloroform	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Chloromethane	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Cyclohexane	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
cis-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Methyl Acetate	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Methyl Cyclohexane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Methylene Chloride	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Naphthalene	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Styrene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-6

Sampled: 7/29/2024 10:30

Sample ID: 24G4216-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Tetrachloroethylene	440	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Toluene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Trichloroethylene	33	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
o-Xylene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Xylenes (total)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:23	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	86.8	70-130							
Toluene-d8	96.9	70-130							
4-Bromofluorobenzene	98.9	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-103S

Sampled: 7/29/2024 11:30

Sample ID: 24G4216-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-103S

Sampled: 7/29/2024 11:30

Sample ID: 24G4216-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Tetrachloroethylene	24	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 13:39	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.5	70-130							
Toluene-d8	96.0	70-130							
4-Bromofluorobenzene	98.1	70-130							

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: Equipment Blank

Sampled: 7/29/2024 10:30

Sample ID: 24G4216-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
cis-1,2-Dichloroethylene	3.0	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: Equipment Blank

Sampled: 7/29/2024 10:30

Sample ID: 24G4216-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Tetrachloroethylene	310	40	µg/L	40		SW-846 8260D	8/1/24	8/2/24 12:26	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Trichloroethylene	35	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Vinyl Chloride	2.2	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:55	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	88.0	70-130						8/1/24 11:55	
1,2-Dichloroethane-d4	103	70-130						8/2/24 12:26	
Toluene-d8	88.4	70-130						8/2/24 12:26	
Toluene-d8	95.1	70-130						8/1/24 11:55	
4-Bromofluorobenzene	96.8	70-130						8/1/24 11:55	
4-Bromofluorobenzene	96.8	70-130						8/2/24 12:26	

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: Trip Blank

Sampled: 7/29/2024 00:00

Sample ID: 24G4216-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: Trip Blank

Sampled: 7/29/2024 00:00

Sample ID: 24G4216-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/1/24	8/1/24 11:29	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	93.3	70-130							
Toluene-d8	95.7	70-130							
4-Bromofluorobenzene	96.8	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-X

Sampled: 7/29/2024 00:00

Sample ID: 24G4216-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Benzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Bromoform	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Bromomethane	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Carbon Disulfide	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Chloroethane	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Chloroform	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Chloromethane	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Cyclohexane	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
cis-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Methyl Acetate	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Methyl Cyclohexane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Methylene Chloride	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Naphthalene	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Styrene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD

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Project Location: 50-45 Barnett Ave, Sunnyside, NY

Sample Description:

Work Order: 24G4216

Date Received: 7/31/2024

Field Sample #: MW-X

Sampled: 7/29/2024 00:00

Sample ID: 24G4216-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Tetrachloroethylene	460	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Toluene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Trichloroethylene	33	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
o-Xylene	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Xylenes (total)	ND	4.0	µg/L	4		SW-846 8260D	8/1/24	8/1/24 15:49	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	95.0	70-130							
Toluene-d8	97.6	70-130							
4-Bromofluorobenzene	99.1	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24G4216-01 [MW-104S]	B381725	5	5.00	08/01/24
24G4216-02 [MW-104D]	B381725	5	5.00	08/01/24
24G4216-03 [MW-5]	B381725	5	5.00	08/01/24
24G4216-04 [MW-6]	B381725	1.25	5.00	08/01/24
24G4216-05 [MW-103S]	B381725	5	5.00	08/01/24
24G4216-06 [Equipment Blank]	B381725	5	5.00	08/01/24
24G4216-07 [Trip Blank]	B381725	5	5.00	08/01/24
24G4216-08 [MW-X]	B381725	1.25	5.00	08/01/24

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24G4216-06RE1 [Equipment Blank]	B381835	0.125	5.00	08/01/24

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B381725 - SW-846 5030B
Blank (B381725-BLK1)

Prepared & Analyzed: 08/01/24

Acetone	ND	50	µg/L
Benzene	ND	1.0	µg/L
Bromochloromethane	ND	1.0	µg/L
Bromodichloromethane	ND	0.50	µg/L
Bromoform	ND	1.0	µg/L
Bromomethane	ND	2.0	µg/L
2-Butanone (MEK)	ND	20	µg/L
n-Butylbenzene	ND	1.0	µg/L
sec-Butylbenzene	ND	1.0	µg/L
tert-Butylbenzene	ND	1.0	µg/L
Carbon Disulfide	ND	5.0	µg/L
Carbon Tetrachloride	ND	5.0	µg/L
Chlorobenzene	ND	1.0	µg/L
Chlorodibromomethane	ND	0.50	µg/L
Chloroethane	ND	2.0	µg/L
Chloroform	ND	2.0	µg/L
Chloromethane	ND	2.0	µg/L
Cyclohexane	ND	5.0	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	0.50	µg/L
1,2-Dichlorobenzene	ND	1.0	µg/L
1,3-Dichlorobenzene	ND	1.0	µg/L
1,4-Dichlorobenzene	ND	1.0	µg/L
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L
1,1-Dichloroethane	ND	1.0	µg/L
1,2-Dichloroethane	ND	1.0	µg/L
1,1-Dichloroethylene	ND	1.0	µg/L
cis-1,2-Dichloroethylene	ND	1.0	µg/L
trans-1,2-Dichloroethylene	ND	1.0	µg/L
1,2-Dichloropropane	ND	1.0	µg/L
cis-1,3-Dichloropropene	ND	0.50	µg/L
trans-1,3-Dichloropropene	ND	0.50	µg/L
Ethylbenzene	ND	1.0	µg/L
2-Hexanone (MBK)	ND	10	µg/L
Isopropylbenzene (Cumene)	ND	1.0	µg/L
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L
Methyl Acetate	ND	1.0	µg/L
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L
Methyl Cyclohexane	ND	1.0	µg/L
Methylene Chloride	ND	5.0	µg/L
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
Naphthalene	ND	2.0	µg/L
n-Propylbenzene	ND	1.0	µg/L
Styrene	ND	1.0	µg/L
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L
Tetrachloroethylene	ND	1.0	µg/L
Toluene	ND	1.0	µg/L
1,2,3-Trichlorobenzene	ND	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1.0	µg/L
1,1,1-Trichloroethane	ND	1.0	µg/L
1,1,2-Trichloroethane	ND	1.0	µg/L
Trichloroethylene	ND	1.0	µg/L

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B381725 - SW-846 5030B
Blank (B381725-BLK1)

Prepared & Analyzed: 08/01/24

Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							

Surrogate: 1,2-Dichloroethane-d4	21.7		µg/L	25.0		86.6	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			

LCS (B381725-BS1)

Prepared & Analyzed: 08/01/24

Acetone	90.4	50	µg/L	100		90.4	70-160			†
Benzene	9.56	1.0	µg/L	10.0		95.6	70-130			
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130			
Bromoform	8.98	1.0	µg/L	10.0		89.8	70-130			
Bromomethane	10.0	2.0	µg/L	10.0		100	40-160			†
2-Butanone (MEK)	96.2	20	µg/L	100		96.2	40-160			†
n-Butylbenzene	8.86	1.0	µg/L	10.0		88.6	70-130			
sec-Butylbenzene	8.51	1.0	µg/L	10.0		85.1	70-130			
tert-Butylbenzene	8.41	1.0	µg/L	10.0		84.1	70-130			
Carbon Disulfide	100	5.0	µg/L	100		100	70-130			
Carbon Tetrachloride	9.21	5.0	µg/L	10.0		92.1	70-130			
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130			
Chloroethane	9.12	2.0	µg/L	10.0		91.2	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			
Chloromethane	8.35	2.0	µg/L	10.0		83.5	40-160			†
Cyclohexane	8.49	5.0	µg/L	10.0		84.9	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.40	5.0	µg/L	10.0		84.0	70-130			
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130			
1,2-Dichlorobenzene	9.14	1.0	µg/L	10.0		91.4	70-130			
1,3-Dichlorobenzene	9.27	1.0	µg/L	10.0		92.7	70-130			
1,4-Dichlorobenzene	9.21	1.0	µg/L	10.0		92.1	70-130			
Dichlorodifluoromethane (Freon 12)	9.02	2.0	µg/L	10.0		90.2	40-160			†
1,1-Dichloroethane	9.26	1.0	µg/L	10.0		92.6	70-130			
1,2-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130			
1,1-Dichloroethylene	8.71	1.0	µg/L	10.0		87.1	70-130			
cis-1,2-Dichloroethylene	9.60	1.0	µg/L	10.0		96.0	70-130			
trans-1,2-Dichloroethylene	9.23	1.0	µg/L	10.0		92.3	70-130			
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	9.89	0.50	µg/L	10.0		98.9	70-130			
Ethylbenzene	9.74	1.0	µg/L	10.0		97.4	70-130			
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160			†
Isopropylbenzene (Cumene)	9.44	1.0	µg/L	10.0		94.4	70-130			
p-Isopropyltoluene (p-Cymene)	8.54	1.0	µg/L	10.0		85.4	70-130			
Methyl Acetate	10.7	1.0	µg/L	10.0		107	70-130			
Methyl tert-Butyl Ether (MTBE)	9.18	1.0	µg/L	10.0		91.8	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B381725 - SW-846 5030B
LCS (B381725-BS1)

Prepared & Analyzed: 08/01/24

Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130			
Methylene Chloride	9.06	5.0	µg/L	10.0		90.6	70-130			
4-Methyl-2-pentanone (MIBK)	108	10	µg/L	100		108	70-160			†
Naphthalene	8.22	2.0	µg/L	10.0		82.2	40-130			†
n-Propylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130			
Styrene	9.88	1.0	µg/L	10.0		98.8	70-130			
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130			
Tetrachloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
Toluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2,3-Trichlorobenzene	9.31	5.0	µg/L	10.0		93.1	70-130			
1,2,4-Trichlorobenzene	9.01	1.0	µg/L	10.0		90.1	70-130			
1,1,1-Trichloroethane	9.72	1.0	µg/L	10.0		97.2	70-130			
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130			
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.0		108	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130			
1,2,4-Trimethylbenzene	8.88	1.0	µg/L	10.0		88.8	70-130			
1,3,5-Trimethylbenzene	9.82	1.0	µg/L	10.0		98.2	70-130			
Vinyl Chloride	9.13	2.0	µg/L	10.0		91.3	40-160			†
m+p Xylene	19.2	2.0	µg/L	20.0		96.0	70-130			
o-Xylene	9.34	1.0	µg/L	10.0		93.4	70-130			
Xylenes (total)	28.5	1.0	µg/L	30.0		95.1	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/L	25.0		92.6	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.6	70-130			

LCS Dup (B381725-BS1)

Prepared & Analyzed: 08/01/24

Acetone	93.1	50	µg/L	100		93.1	70-160	2.98	25	†
Benzene	8.95	1.0	µg/L	10.0		89.5	70-130	6.59	25	
Bromochloromethane	9.93	1.0	µg/L	10.0		99.3	70-130	6.62	25	
Bromodichloromethane	9.67	0.50	µg/L	10.0		96.7	70-130	6.50	25	
Bromoform	9.15	1.0	µg/L	10.0		91.5	70-130	1.88	25	
Bromomethane	9.09	2.0	µg/L	10.0		90.9	40-160	10.0	25	†
2-Butanone (MEK)	95.4	20	µg/L	100		95.4	40-160	0.751	25	†
n-Butylbenzene	8.68	1.0	µg/L	10.0		86.8	70-130	2.05	25	
sec-Butylbenzene	8.36	1.0	µg/L	10.0		83.6	70-130	1.78	25	
tert-Butylbenzene	8.45	1.0	µg/L	10.0		84.5	70-130	0.474	25	
Carbon Disulfide	92.5	5.0	µg/L	100		92.5	70-130	8.25	25	
Carbon Tetrachloride	8.17	5.0	µg/L	10.0		81.7	70-130	12.0	25	
Chlorobenzene	9.65	1.0	µg/L	10.0		96.5	70-130	3.86	25	
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130	3.04	25	
Chloroethane	7.74	2.0	µg/L	10.0		77.4	70-130	16.4	25	
Chloroform	9.24	2.0	µg/L	10.0		92.4	70-130	10.3	25	
Chloromethane	7.91	2.0	µg/L	10.0		79.1	40-160	5.41	25	†
Cyclohexane	8.24	5.0	µg/L	10.0		82.4	70-130	2.99	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.00	5.0	µg/L	10.0		80.0	70-130	4.88	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	3.63	25	
1,2-Dichlorobenzene	8.88	1.0	µg/L	10.0		88.8	70-130	2.89	25	
1,3-Dichlorobenzene	9.01	1.0	µg/L	10.0		90.1	70-130	2.84	25	
1,4-Dichlorobenzene	8.87	1.0	µg/L	10.0		88.7	70-130	3.76	25	
Dichlorodifluoromethane (Freon 12)	8.90	2.0	µg/L	10.0		89.0	40-160	1.34	25	†

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B381725 - SW-846 5030B
LCS Dup (B381725-BS01)

Prepared & Analyzed: 08/01/24

1,1-Dichloroethane	8.83	1.0	µg/L	10.0		88.3	70-130	4.75	25	
1,2-Dichloroethane	9.97	1.0	µg/L	10.0		99.7	70-130	13.6	25	
1,1-Dichloroethylene	8.17	1.0	µg/L	10.0		81.7	70-130	6.40	25	
cis-1,2-Dichloroethylene	8.83	1.0	µg/L	10.0		88.3	70-130	8.36	25	
trans-1,2-Dichloroethylene	8.67	1.0	µg/L	10.0		86.7	70-130	6.26	25	
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130	3.30	25	
cis-1,3-Dichloropropene	9.59	0.50	µg/L	10.0		95.9	70-130	5.08	25	
trans-1,3-Dichloropropene	9.47	0.50	µg/L	10.0		94.7	70-130	4.34	25	
Ethylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130	0.103	25	
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160	2.07	25	†
Isopropylbenzene (Cumene)	9.31	1.0	µg/L	10.0		93.1	70-130	1.39	25	
p-Isopropyltoluene (p-Cymene)	8.40	1.0	µg/L	10.0		84.0	70-130	1.65	25	
Methyl Acetate	10.0	1.0	µg/L	10.0		100	70-130	6.75	25	
Methyl tert-Butyl Ether (MTBE)	8.58	1.0	µg/L	10.0		85.8	70-130	6.76	25	
Methyl Cyclohexane	9.95	1.0	µg/L	10.0		99.5	70-130	5.57	25	
Methylene Chloride	8.57	5.0	µg/L	10.0		85.7	70-130	5.56	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160	0.554	25	†
Naphthalene	8.51	2.0	µg/L	10.0		85.1	40-130	3.47	25	†
n-Propylbenzene	9.50	1.0	µg/L	10.0		95.0	70-130	1.46	25	
Styrene	9.74	1.0	µg/L	10.0		97.4	70-130	1.43	25	
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	0.460	25	
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111	70-130	4.73	25	
Toluene	10.1	1.0	µg/L	10.0		101	70-130	3.69	25	
1,2,3-Trichlorobenzene	9.13	5.0	µg/L	10.0		91.3	70-130	1.95	25	
1,2,4-Trichlorobenzene	9.06	1.0	µg/L	10.0		90.6	70-130	0.553	25	
1,1,1-Trichloroethane	9.16	1.0	µg/L	10.0		91.6	70-130	5.93	25	
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	4.35	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	6.42	25	
Trichlorofluoromethane (Freon 11)	9.60	2.0	µg/L	10.0		96.0	70-130	5.47	25	
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130	3.38	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.87	1.0	µg/L	10.0		98.7	70-130	7.41	25	
1,2,4-Trimethylbenzene	8.81	1.0	µg/L	10.0		88.1	70-130	0.791	25	
1,3,5-Trimethylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130	0.407	25	
Vinyl Chloride	7.87	2.0	µg/L	10.0		78.7	40-160	14.8	25	†
m+p Xylene	18.7	2.0	µg/L	20.0		93.4	70-130	2.69	25	
o-Xylene	9.27	1.0	µg/L	10.0		92.7	70-130	0.752	25	
Xylenes (total)	28.0	1.0	µg/L	30.0		93.2	0-200	2.05		
Surrogate: 1,2-Dichloroethane-d4	20.9		µg/L	25.0		83.6	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		101	70-130			

Matrix Spike (B381725-MS1)

Source: 24G4216-04

Prepared & Analyzed: 08/01/24

Acetone	298	200	µg/L	400	ND	74.6	70-130			
Benzene	34.5	4.0	µg/L	40.0	ND	86.3	70-130			
Bromochloromethane	38.1	4.0	µg/L	40.0	ND	95.2	70-130			
Bromodichloromethane	37.6	2.0	µg/L	40.0	ND	94.1	70-130			
Bromoform	31.3	4.0	µg/L	40.0	ND	78.3	70-130			
Bromomethane	27.1	8.0	µg/L	40.0	ND	67.8	* 70-130			MS-24
2-Butanone (MEK)	353	80	µg/L	400	ND	88.2	70-130			
n-Butylbenzene	32.6	4.0	µg/L	40.0	ND	81.6	70-130			
sec-Butylbenzene	32.4	4.0	µg/L	40.0	ND	80.9	70-130			
tert-Butylbenzene	32.3	4.0	µg/L	40.0	ND	80.8	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B381725 - SW-846 5030B										
Matrix Spike (B381725-MS1)	Source: 24G4216-04			Prepared & Analyzed: 08/01/24						
Carbon Disulfide	384	20	µg/L	400	ND	95.9	70-130			
Carbon Tetrachloride	34.0	20	µg/L	40.0	ND	85.0	70-130			
Chlorobenzene	36.3	4.0	µg/L	40.0	ND	90.7	70-130			
Chlorodibromomethane	37.8	2.0	µg/L	40.0	ND	94.5	70-130			
Chloroethane	31.6	8.0	µg/L	40.0	ND	79.1	70-130			
Chloroform	35.9	8.0	µg/L	40.0	ND	89.7	70-130			
Chloromethane	35.5	8.0	µg/L	40.0	ND	88.7	70-130			
Cyclohexane	33.1	20	µg/L	40.0	ND	82.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	25.5	20	µg/L	40.0	ND	63.7	* 70-130			MS-07A
1,2-Dibromoethane (EDB)	41.7	2.0	µg/L	40.0	ND	104	70-130			
1,2-Dichlorobenzene	33.2	4.0	µg/L	40.0	ND	82.9	70-130			
1,3-Dichlorobenzene	33.8	4.0	µg/L	40.0	ND	84.4	70-130			
1,4-Dichlorobenzene	33.0	4.0	µg/L	40.0	ND	82.4	70-130			
Dichlorodifluoromethane (Freon 12)	40.9	8.0	µg/L	40.0	ND	102	70-130			
1,1-Dichloroethane	35.4	4.0	µg/L	40.0	ND	88.6	70-130			
1,2-Dichloroethane	37.4	4.0	µg/L	40.0	ND	93.5	70-130			
1,1-Dichloroethylene	30.9	4.0	µg/L	40.0	ND	77.2	70-130			
cis-1,2-Dichloroethylene	35.6	4.0	µg/L	40.0	3.48	80.3	70-130			
trans-1,2-Dichloroethylene	35.0	4.0	µg/L	40.0	ND	87.6	70-130			
1,2-Dichloropropane	39.4	4.0	µg/L	40.0	ND	98.6	70-130			
cis-1,3-Dichloropropene	34.7	2.0	µg/L	40.0	ND	86.8	70-130			
trans-1,3-Dichloropropene	32.9	2.0	µg/L	40.0	ND	82.2	70-130			
Ethylbenzene	38.2	4.0	µg/L	40.0	ND	95.5	70-130			
2-Hexanone (MBK)	390	40	µg/L	400	ND	97.4	70-130			
Isopropylbenzene (Cumene)	37.1	4.0	µg/L	40.0	ND	92.7	70-130			
p-Isopropyltoluene (p-Cymene)	32.0	4.0	µg/L	40.0	ND	80.0	70-130			
Methyl Acetate	37.2	4.0	µg/L	40.0	ND	92.9	70-130			
Methyl tert-Butyl Ether (MTBE)	32.6	4.0	µg/L	40.0	ND	81.6	70-130			
Methyl Cyclohexane	40.9	4.0	µg/L	40.0	ND	102	70-130			
Methylene Chloride	34.3	20	µg/L	40.0	ND	85.7	70-130			
4-Methyl-2-pentanone (MIBK)	385	40	µg/L	400	ND	96.2	70-130			
Naphthalene	32.5	8.0	µg/L	40.0	ND	81.3	70-130			
n-Propylbenzene	37.1	4.0	µg/L	40.0	ND	92.7	70-130			
Styrene	36.5	4.0	µg/L	40.0	ND	91.3	70-130			
1,1,2,2-Tetrachloroethane	38.8	2.0	µg/L	40.0	ND	97.1	70-130			
Tetrachloroethylene	507	4.0	µg/L	40.0	445	156	* 70-130			MS-19
Toluene	40.6	4.0	µg/L	40.0	ND	102	70-130			
1,2,3-Trichlorobenzene	30.8	20	µg/L	40.0	ND	76.9	70-130			
1,2,4-Trichlorobenzene	32.9	4.0	µg/L	40.0	ND	82.3	70-130			
1,1,1-Trichloroethane	34.9	4.0	µg/L	40.0	ND	87.3	70-130			
1,1,2-Trichloroethane	40.3	4.0	µg/L	40.0	ND	101	70-130			
Trichloroethylene	72.8	4.0	µg/L	40.0	32.9	99.9	70-130			
Trichlorofluoromethane (Freon 11)	37.4	8.0	µg/L	40.0	ND	93.5	70-130			
1,2,3-Trichloropropane	37.7	8.0	µg/L	40.0	ND	94.3	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37.0	4.0	µg/L	40.0	ND	92.4	70-130			
1,2,4-Trimethylbenzene	34.5	4.0	µg/L	40.0	ND	86.3	70-130			
1,3,5-Trimethylbenzene	38.4	4.0	µg/L	40.0	ND	95.9	70-130			
Vinyl Chloride	38.0	8.0	µg/L	40.0	2.04	89.8	70-130			
m+p Xylene	74.0	8.0	µg/L	80.0	ND	92.5	70-130			
o-Xylene	36.0	4.0	µg/L	40.0	ND	89.9	70-130			
Xylenes (total)	110	4.0	µg/L	120	ND	91.6	0-200			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B381725 - SW-846 5030B										
Matrix Spike (B381725-MS1)	Source: 24G4216-04			Prepared & Analyzed: 08/01/24						
Surrogate: 1,2-Dichloroethane-d4	20.4		µg/L	25.0		81.4	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			
Matrix Spike Dup (B381725-MSD1)	Source: 24G4216-04			Prepared & Analyzed: 08/01/24						
Acetone	295	200	µg/L	400	ND	73.7	70-130	1.13	30	
Benzene	35.8	4.0	µg/L	40.0	ND	89.5	70-130	3.64	30	
Bromochloromethane	37.5	4.0	µg/L	40.0	ND	93.8	70-130	1.48	30	
Bromodichloromethane	35.6	2.0	µg/L	40.0	ND	89.0	70-130	5.57	30	
Bromoform	34.4	4.0	µg/L	40.0	ND	85.9	70-130	9.26	30	
Bromomethane	30.2	8.0	µg/L	40.0	ND	75.6	70-130	10.9	30	
2-Butanone (MEK)	369	80	µg/L	400	ND	92.4	70-130	4.62	30	
n-Butylbenzene	31.8	4.0	µg/L	40.0	ND	79.6	70-130	2.48	30	
sec-Butylbenzene	31.8	4.0	µg/L	40.0	ND	79.6	70-130	1.62	30	
tert-Butylbenzene	32.2	4.0	µg/L	40.0	ND	80.5	70-130	0.372	30	
Carbon Disulfide	370	20	µg/L	400	ND	92.5	70-130	3.63	30	
Carbon Tetrachloride	34.8	20	µg/L	40.0	ND	87.0	70-130	2.33	30	
Chlorobenzene	38.1	4.0	µg/L	40.0	ND	95.3	70-130	4.95	30	
Chlorodibromomethane	38.0	2.0	µg/L	40.0	ND	94.9	70-130	0.422	30	
Chloroethane	31.1	8.0	µg/L	40.0	ND	77.7	70-130	1.79	30	
Chloroform	34.6	8.0	µg/L	40.0	ND	86.6	70-130	3.52	30	
Chloromethane	34.0	8.0	µg/L	40.0	ND	85.0	70-130	4.26	30	
Cyclohexane	33.6	20	µg/L	40.0	ND	84.0	70-130	1.44	30	
1,2-Dibromo-3-chloropropane (DBCP)	27.7	20	µg/L	40.0	ND	69.3 *	70-130	8.42	30	MS-07A
1,2-Dibromoethane (EDB)	41.2	2.0	µg/L	40.0	ND	103	70-130	1.26	30	
1,2-Dichlorobenzene	32.6	4.0	µg/L	40.0	ND	81.5	70-130	1.70	30	
1,3-Dichlorobenzene	33.6	4.0	µg/L	40.0	ND	84.0	70-130	0.475	30	
1,4-Dichlorobenzene	32.6	4.0	µg/L	40.0	ND	81.5	70-130	1.10	30	
Dichlorodifluoromethane (Freon 12)	39.9	8.0	µg/L	40.0	ND	99.8	70-130	2.47	30	
1,1-Dichloroethane	35.1	4.0	µg/L	40.0	ND	87.7	70-130	1.02	30	
1,2-Dichloroethane	40.6	4.0	µg/L	40.0	ND	102	70-130	8.21	30	
1,1-Dichloroethylene	30.2	4.0	µg/L	40.0	ND	75.4	70-130	2.36	30	
cis-1,2-Dichloroethylene	37.4	4.0	µg/L	40.0	3.48	84.9	70-130	5.04	30	
trans-1,2-Dichloroethylene	35.5	4.0	µg/L	40.0	ND	88.8	70-130	1.36	30	
1,2-Dichloropropane	37.9	4.0	µg/L	40.0	ND	94.7	70-130	4.04	30	
cis-1,3-Dichloropropene	33.4	2.0	µg/L	40.0	ND	83.6	70-130	3.76	30	
trans-1,3-Dichloropropene	33.6	2.0	µg/L	40.0	ND	84.1	70-130	2.29	30	
Ethylbenzene	38.2	4.0	µg/L	40.0	ND	95.6	70-130	0.105	30	
2-Hexanone (MBK)	370	40	µg/L	400	ND	92.5	70-130	5.16	30	
Isopropylbenzene (Cumene)	37.9	4.0	µg/L	40.0	ND	94.8	70-130	2.24	30	
p-Isopropyltoluene (p-Cymene)	31.4	4.0	µg/L	40.0	ND	78.6	70-130	1.77	30	
Methyl Acetate	37.0	4.0	µg/L	40.0	ND	92.6	70-130	0.323	30	
Methyl tert-Butyl Ether (MTBE)	32.4	4.0	µg/L	40.0	ND	81.1	70-130	0.615	30	
Methyl Cyclohexane	39.7	4.0	µg/L	40.0	ND	99.3	70-130	2.88	30	
Methylene Chloride	33.3	20	µg/L	40.0	ND	83.3	70-130	2.84	30	
4-Methyl-2-pentanone (MIBK)	375	40	µg/L	400	ND	93.8	70-130	2.51	30	
Naphthalene	29.2	8.0	µg/L	40.0	ND	72.9	70-130	10.9	30	
n-Propylbenzene	38.9	4.0	µg/L	40.0	ND	97.3	70-130	4.84	30	
Styrene	38.2	4.0	µg/L	40.0	ND	95.6	70-130	4.60	30	
1,1,2,2-Tetrachloroethane	41.1	2.0	µg/L	40.0	ND	103	70-130	5.61	30	
Tetrachloroethylene	492	4.0	µg/L	40.0	445	118	70-130	3.04	30	MS-19
Toluene	39.9	4.0	µg/L	40.0	ND	99.7	70-130	1.89	30	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B381725 - SW-846 5030B
Matrix Spike Dup (B381725-MSD1)
Source: 24G4216-04

Prepared & Analyzed: 08/01/24

1,2,3-Trichlorobenzene	30.0	20	µg/L	40.0	ND	75.0	70-130	2.50	30	
1,2,4-Trichlorobenzene	31.2	4.0	µg/L	40.0	ND	77.9	70-130	5.49	30	
1,1,1-Trichloroethane	35.2	4.0	µg/L	40.0	ND	88.1	70-130	0.912	30	
1,1,2-Trichloroethane	41.7	4.0	µg/L	40.0	ND	104	70-130	3.41	30	
Trichloroethylene	71.5	4.0	µg/L	40.0	32.9	96.5	70-130	1.88	30	
Trichlorofluoromethane (Freon 11)	37.2	8.0	µg/L	40.0	ND	93.0	70-130	0.536	30	
1,2,3-Trichloropropane	40.4	8.0	µg/L	40.0	ND	101	70-130	6.76	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	36.0	4.0	µg/L	40.0	ND	90.0	70-130	2.63	30	
1,2,4-Trimethylbenzene	33.1	4.0	µg/L	40.0	ND	82.7	70-130	4.26	30	
1,3,5-Trimethylbenzene	39.4	4.0	µg/L	40.0	ND	98.6	70-130	2.78	30	
Vinyl Chloride	36.6	8.0	µg/L	40.0	2.04	86.5	70-130	3.54	30	
m+p Xylene	74.0	8.0	µg/L	80.0	ND	92.5	70-130	0.00	20	
o-Xylene	36.5	4.0	µg/L	40.0	ND	91.3	70-130	1.55	30	
Xylenes (total)	111	4.0	µg/L	120	ND	92.1	0-200	0.508		
Surrogate: 1,2-Dichloroethane-d4	21.0		µg/L	25.0		84.2	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	27.0		µg/L	25.0		108	70-130			

Batch B381835 - SW-846 5030B
Blank (B381835-BLK1)

Prepared & Analyzed: 08/02/24

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B381835 - SW-846 5030B
Blank (B381835-BLK1)

Prepared & Analyzed: 08/02/24

trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.7		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	21.8		µg/L	25.0		87.4	70-130			
Surrogate: 4-Bromofluorobenzene	23.8		µg/L	25.0		95.3	70-130			

LCS (B381835-BS1)

Prepared & Analyzed: 08/02/24

Acetone	95.3	50	µg/L	100		95.3	70-160			†
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130			
Bromodichloromethane	9.10	0.50	µg/L	10.0		91.0	70-130			
Bromoform	8.10	1.0	µg/L	10.0		81.0	70-130		V-05	
Bromomethane	8.14	2.0	µg/L	10.0		81.4	40-160			†
2-Butanone (MEK)	107	20	µg/L	100		107	40-160			†
n-Butylbenzene	11.7	1.0	µg/L	10.0		117	70-130			
sec-Butylbenzene	8.76	1.0	µg/L	10.0		87.6	70-130			
tert-Butylbenzene	8.80	1.0	µg/L	10.0		88.0	70-130			
Carbon Disulfide	102	5.0	µg/L	100		102	70-130			
Carbon Tetrachloride	9.26	5.0	µg/L	10.0		92.6	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	8.49	0.50	µg/L	10.0		84.9	70-130			
Chloroethane	9.54	2.0	µg/L	10.0		95.4	70-130			
Chloroform	10.4	2.0	µg/L	10.0		104	70-130			
Chloromethane	25.5	2.0	µg/L	10.0		255 *	40-160			

L-02, V-20 †

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B381835 - SW-846 5030B										
LCS (B381835-BS1)				Prepared & Analyzed: 08/02/24						
Cyclohexane	10.0	5.0	µg/L	10.0		100	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.01	5.0	µg/L	10.0		90.1	70-130			
1,2-Dibromoethane (EDB)	9.20	0.50	µg/L	10.0		92.0	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Dichlorodifluoromethane (Freon 12)	8.48	2.0	µg/L	10.0		84.8	40-160			†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1-Dichloroethylene	9.33	1.0	µg/L	10.0		93.3	70-130			
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
trans-1,2-Dichloroethylene	9.39	1.0	µg/L	10.0		93.9	70-130			
1,2-Dichloropropane	9.93	1.0	µg/L	10.0		99.3	70-130			
cis-1,3-Dichloropropene	9.29	0.50	µg/L	10.0		92.9	70-130			
trans-1,3-Dichloropropene	9.11	0.50	µg/L	10.0		91.1	70-130			
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	88.2	10	µg/L	100		88.2	70-160			†
Isopropylbenzene (Cumene)	9.56	1.0	µg/L	10.0		95.6	70-130			
p-Isopropyltoluene (p-Cymene)	9.49	1.0	µg/L	10.0		94.9	70-130			
Methyl Acetate	9.24	1.0	µg/L	10.0		92.4	70-130			
Methyl tert-Butyl Ether (MTBE)	9.76	1.0	µg/L	10.0		97.6	70-130			
Methyl Cyclohexane	9.91	1.0	µg/L	10.0		99.1	70-130			
Methylene Chloride	9.94	5.0	µg/L	10.0		99.4	70-130			
4-Methyl-2-pentanone (MIBK)	88.7	10	µg/L	100		88.7	70-160			†
Naphthalene	8.74	2.0	µg/L	10.0		87.4	40-130			†
n-Propylbenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
Styrene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,1,1,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
Tetrachloroethylene	9.51	1.0	µg/L	10.0		95.1	70-130			
Toluene	9.32	1.0	µg/L	10.0		93.2	70-130			
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130			
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1,2-Trichloroethane	9.72	1.0	µg/L	10.0		97.2	70-130			
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Trichlorofluoromethane (Freon 11)	9.79	2.0	µg/L	10.0		97.9	70-130			
1,2,3-Trichloropropane	12.0	2.0	µg/L	10.0		120	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.51	1.0	µg/L	10.0		95.1	70-130			
1,2,4-Trimethylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Vinyl Chloride	8.96	2.0	µg/L	10.0		89.6	40-160			†
m+p Xylene	19.8	2.0	µg/L	20.0		98.8	70-130			
o-Xylene	9.76	1.0	µg/L	10.0		97.6	70-130			
Xylenes (total)	29.5	1.0	µg/L	30.0		98.4	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.0		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	22.9		µg/L	25.0		91.7	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		100	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B381835 - SW-846 5030B										
LCS Dup (B381835-BSD1)				Prepared & Analyzed: 08/02/24						
Acetone	101	50	µg/L	100		101	70-160	5.37	25	†
Benzene	11.2	1.0	µg/L	10.0		112	70-130	4.49	25	
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130	3.80	25	
Bromodichloromethane	9.60	0.50	µg/L	10.0		96.0	70-130	5.35	25	
Bromoform	8.32	1.0	µg/L	10.0		83.2	70-130	2.68	25	V-05
Bromomethane	7.99	2.0	µg/L	10.0		79.9	40-160	1.86	25	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160	1.85	25	†
n-Butylbenzene	12.2	1.0	µg/L	10.0		122	70-130	4.36	25	
sec-Butylbenzene	9.30	1.0	µg/L	10.0		93.0	70-130	5.98	25	
tert-Butylbenzene	9.34	1.0	µg/L	10.0		93.4	70-130	5.95	25	
Carbon Disulfide	107	5.0	µg/L	100		107	70-130	4.20	25	
Carbon Tetrachloride	9.51	5.0	µg/L	10.0		95.1	70-130	2.66	25	
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	2.79	25	
Chlorodibromomethane	8.92	0.50	µg/L	10.0		89.2	70-130	4.94	25	
Chloroethane	9.83	2.0	µg/L	10.0		98.3	70-130	2.99	25	
Chloroform	10.6	2.0	µg/L	10.0		106	70-130	1.81	25	
Chloromethane	25.8	2.0	µg/L	10.0		258 *	40-160	1.33	25	L-02, V-20 †
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130	5.35	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.71	5.0	µg/L	10.0		97.1	70-130	7.48	25	
1,2-Dibromoethane (EDB)	9.75	0.50	µg/L	10.0		97.5	70-130	5.80	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.19	25	
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	4.97	25	
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.780	25	
Dichlorodifluoromethane (Freon 12)	9.10	2.0	µg/L	10.0		91.0	40-160	7.05	25	†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.68	25	
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	0.366	25	
1,1-Dichloroethylene	9.86	1.0	µg/L	10.0		98.6	70-130	5.52	25	
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.677	25	
trans-1,2-Dichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130	5.79	25	
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	11.0	25	
cis-1,3-Dichloropropene	9.37	0.50	µg/L	10.0		93.7	70-130	0.857	25	
trans-1,3-Dichloropropene	9.15	0.50	µg/L	10.0		91.5	70-130	0.438	25	
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.77	25	
2-Hexanone (MBK)	92.4	10	µg/L	100		92.4	70-160	4.66	25	†
Isopropylbenzene (Cumene)	9.78	1.0	µg/L	10.0		97.8	70-130	2.28	25	
p-Isopropyltoluene (p-Cymene)	9.99	1.0	µg/L	10.0		99.9	70-130	5.13	25	
Methyl Acetate	9.67	1.0	µg/L	10.0		96.7	70-130	4.55	25	
Methyl tert-Butyl Ether (MTBE)	9.89	1.0	µg/L	10.0		98.9	70-130	1.32	25	
Methyl Cyclohexane	11.6	1.0	µg/L	10.0		116	70-130	15.9	25	
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130	3.75	25	
4-Methyl-2-pentanone (MIBK)	91.7	10	µg/L	100		91.7	70-160	3.30	25	†
Naphthalene	9.05	2.0	µg/L	10.0		90.5	40-130	3.49	25	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.69	25	
Styrene	10.3	1.0	µg/L	10.0		103	70-130	3.75	25	
1,1,2,2-Tetrachloroethane	9.88	0.50	µg/L	10.0		98.8	70-130	2.50	25	
Tetrachloroethylene	9.73	1.0	µg/L	10.0		97.3	70-130	2.29	25	
Toluene	9.73	1.0	µg/L	10.0		97.3	70-130	4.30	25	
1,2,3-Trichlorobenzene	11.0	5.0	µg/L	10.0		110	70-130	5.63	25	
1,2,4-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	3.45	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	6.00	25	
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	3.54	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	0.940	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B381835 - SW-846 5030B
LCS Dup (B381835-BSD1)

Prepared & Analyzed: 08/02/24

Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130	5.66	25	
1,2,3-Trichloropropane	9.93	2.0	µg/L	10.0		99.3	70-130	18.9	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.0		100	70-130	5.22	25	
1,2,4-Trimethylbenzene	9.84	1.0	µg/L	10.0		98.4	70-130	3.31	25	
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.0986	25	
Vinyl Chloride	9.06	2.0	µg/L	10.0		90.6	40-160	1.11	25	†
m+p Xylene	20.3	2.0	µg/L	20.0		102	70-130	2.89	25	
o-Xylene	9.86	1.0	µg/L	10.0		98.6	70-130	1.02	25	
Xylenes (total)	30.2	1.0	µg/L	30.0		101	0-200	2.28		
Surrogate: 1,2-Dichloroethane-d4	26.0		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	22.9		µg/L	25.0		91.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.7		µg/L	25.0		99.0	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>

Company Name: NYS DEC Consultant: EAR

Consultant Address: 225 Atlantic Ave., Patchogue, NY (631) 447-6400

Consultant Phone: Former Cleaners Products Supply

Callout Project Name: 50-45 Barnett Ave., Sunnyside, NY

Project Location: Lab CallOut #151736

Callout Number: NYSDEC Site #241123

Site/Spill Number: DEC: Kyle Forster, EAR: Steve Goetz

Project Manager: NYSDEC

Pace Analytical Quote Name/Number:

Invoice Recipient: EAR

Sampled By:

Pace Analytical Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	MW-1041S	7/29/24 8:30			X	GW	
2	MW-1040	7/29/24 9:00			X		
3	MW-5	7/29/24 9:50			X		
4	MW-6	7/29/24 10:30			X		
5	MW-103S	7/29/24 11:30			X		
6	Equipment Blank	7/29/24 10:30			X		
7	Ship Blank				X		
8	MW-X				X		

Comments: Category A Deliverables Requested.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) <i>John Doe</i>	Date/Time: 7/29/24 13:15
Received by: (signature) <i>Sample Manager</i>	Date/Time: 7/29/24 13:15
Relinquished by: (signature) <i>Anthony Green</i>	Date/Time: 7/30/24 18:00
Received by: (signature) <i>Anthony Green</i>	Date/Time: 7/30/24 17:50
Relinquished by: (signature) <i>Anthony Green</i>	Date/Time: 7/30/24 20:10
Received by: (signature) <i>Anthony Green</i>	Date/Time: 7/30/24 20:10

Program & Regulatory Information	Deliverables
☐ AWQ STDS ☐ NYC Sewer Discharge ☐ Part 360 GW (Landfill) ☐ NY Restricted Use ☐ NY Unrestricted Use ☐ NY Part 375	☐ Enhanced Data Package ☐ NYSDEC EQUIS EDD ☐ EQUIS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD
Other:	Other:
Project Entity	Other:
☐ Government ☐ Federal ☐ City	☐ NELAC and AIHA-LAP, LLC Accredited ☐ Chromatogram ☐ AIHA-LAP, LLC
☐ Municipality ☐ 21 J ☐ Brownfield	☐ WRTA ☐ School ☐ MBTA
☐ MWRA ☐ School ☐ MBTA	☐ PCB ONLY ☐ Soxhlet ☐ Non Soxhlet

	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Client EAR
 Project Former Geuners Products SUPPLY
 MCP/RCP Required MA
 Deliverable Package Requirement MA
 Location 50-45 BURNETT AVE, SUMMERSIDE
 PWSID# (When Applicable) MA
 Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time LA 7/13/17 4:18

Back-Sheet By / Date / Time LA 7/13/17 4:18

Temperature Method gum # 6

WV samples: Yes (see note*) / ☒ (follow normal procedure)

Temp 16.6° C Actual Temperature 3.2

Rush Samples: Yes / ☒ No Notify

Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☒	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☒ (LA)
Trip Blanks	☒	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		☒
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper pH: <u>N/A</u> ☐ ☐		

Additional Container Notes

***Note: West Virginia requires all samples to have their temperature taken. Note any outliers.**

Effective Date: 06/11/2024

HW 2020 HW