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April 11, 2023
Revised January 8, 2024

Mr. Shawn Roberts
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7016

Re: Groundwater Monitoring Report
2477 Third Avenue Property, Bronx NY
Tax Block 2320, Lot 11
BCP No. C203047

Dear Mr. Roberts:

AKRF is pleased to provide this Groundwater Monitoring Report on behalf of Jiten, LLC (the Volunteer) for the Brownfield Cleanup Program (BCP) 2477 Third Avenue property in the Bronx, New York (the "2477 Third Avenue Property"). A site location map is provided as Figure 1. This report provides the analytical results of the groundwater sampling event conducted in March 2023.

Summary of In-Situ Treatments

Since the removal of the 9 underground storage tanks (USTs) and approximately 1,500 tons of petroleum-contaminated soil in May and June 2012, AKRF has conducted the following in-situ treatments:

- June 2012: Conducted the application of 70 pounds of Regenesis Oxygen Release Compound (ORC) Advanced® and 200 pounds of Regenox™ treatment via 18 temporary injection wells.
- June 2013: Conducted the application of Chemical Oxidation (CO) treatments consisting of approximately 5,300 gallons of an oxidant slurry solution containing 6% sodium persulfate and 8-9% calcium peroxide (approximately 3,000 pounds of sodium persulfate and 4,000 pounds of calcium peroxide) via 24 temporary injection wells.
- August 2013: Conducted the application of CO treatments consisting of approximately 14,900 gallons of a 6% solution of hydrogen peroxide combined with approximately 2.8% ferrous sulfate and 5.5% sodium citrate via 53 temporary injection wells. An additional 1,500 gallons of an 8% solution of sodium persulfate was injected into 16 of the wells where liquid surfacing was observed.

- December 2013: Attempted an EFR and supplemental in-situ treatment program via a test pit in the southern corner of the 2477 Third Avenue Property. However, site constraints, a two-foot drop in the water table elevation, and a considerable amount of fine-grained sediments in the subsurface hindered the ability of the pumping activities to have a significant effect on the contaminant levels. Although the EFR activities were discontinued, approximately 300 pounds of CO material were applied to the exposed water table and underlying soil. The treatment consisted of sodium persulfate combined with an engineered form of calcium peroxide, which has a "capping" agent that allows oxygen release over a longer time frame.
- May 2015: Injected approximately 4,400 gallons of a CO solution containing 5-7% sodium percarbonate activated with minimal sodium citrate and ferrous sulfate via the on-site injection wells.
- July 2017: Injected approximately 4,400 gallons of a CO solution containing 5-7% sodium percarbonate activated with minimal sodium citrate and ferrous sulfate via the on-site injection wells.

Enhanced Fluid Recovery (EFR) Events

Six rounds of EFR from on-site wells were conducted between May 2014 and August 2016 using a vacuum truck to remove the desorbed volatile organic compounds (VOCs). The following is a summary of the EFR events:

Summary of EFR Events

Date	Location	Total Gallons Removed
May 7, 2014	Temporary 2-inch well points OW-2 and OW-3 and Permanent Monitoring Well MW-2 / ASR-MW-8	2,228
Nov 11, 2014	MW-1 through MW-4/ASR-MW-8	670
Jan 16, 2015	MW-1 through MW-4/ASR-MW-8	1,450
August 11 – 13, 2015	MW-1 through MW-4 and IW-1 through IW-5	8,215
Dec 4, 2015	MW-1 through MW-4 and IW-1 through IW-5	2,416
Aug 10, 2016	MW-1 through MW-4 and IW-1 through IW-6	1,163

Monitoring Well Sampling

Groundwater was gauged and sampled on March 30, 2023, in accordance with the procedures outlined in the Department of Environmental Conservation (NYSDEC)-approved Remedial Action Work Plan/Remedial Work Plan (RAWP/RWP) dated June 2011. Groundwater samples were analyzed by a New York State Department of Health-certified laboratory for VOCs using EPA Method 8260, and semi-volatile organic compounds (SVOCs) using EPA Method 8270. No free product or sheen was noted in the groundwater from the wells; however, petroleum-like odors were noted in MW-2 and MW-4 during the November 2021 sampling event, and from MW-2, MW-3 and MW-4 during the March 2022 sampling event. MW-2, which is off-site, has been dry since March 2022 and, therefore, not sampled since. Recent inspection of MW-2 indicates that the casing is loose and has likely raised over time, thereby causing the well to be consistently dry. AKRF recommends that the well be removed and the casing inspected.

The well locations are shown on Figure 2.

Groundwater Data Evaluation and Quarterly Reporting

Groundwater Elevation Data

Groundwater elevation data was collected at approximately 10:00 AM on March 30, 2023, and is provided in the following table:

March 2023 Groundwater Elevation Data (in feet)

Monitoring Well ID	MW-1	MW-2	MW-3	MW-4
Depth to Water	8.70	-	8.30	8.50
Groundwater Elevation*	0.35	-	0.77	0.60
*Elevation datum = NAVD 1988 GEOID 12A				

High tide was at was at 5:38 am and 6:17 pm on March 30, 2023. The groundwater elevations measured during the sampling events are plotted on Charts 1 through 4. Groundwater elevations in monitoring wells suggest a south-westerly groundwater flow direction, as shown on Figure 2.

Groundwater Analytical Data

A summary of the analytical results of the quarterly groundwater monitoring event is provided in the attached tables (Tables 1 and 2). The laboratory analytical data sheets are provided in Attachment A. The groundwater sampling logs are provided in Attachment B. Trend analyses of the following indicator compounds, identified in the August 2011 Decision Document, are provided in Charts 1 through 4:

- 1,2,4-trimethylbenzene
- Benzene
- Ethylbenzene
- MTBE
- Naphthalene
- Total Xylenes
- Toluene

Since earlier groundwater monitoring events were conducted prior to the installation of permanent wells installed in August 2014, the trend analyses were produced through a combination of data collected from previous monitoring wells removed during the tank removals and contaminated soil excavation activities (ASR-MW-1 and ASR-MW-3), temporary well points (MW-1 through MW-4, OW-2 and OW-3), and an existing monitoring well (ASR-MW-8), as shown on Figure 2. The following table provides a history of the sampled wells:

History of Sampled Wells

Well ID	Description
ASR-MW-1, ASR-MW-3, ASR-MW-8	Permanent monitoring wells installed by ASR in 2007 and 2008. ASR-MW-1 and ASR-MW-3 were removed during AKRF's May 2012 UST and contaminated soil removal activities. ASR-MW-8 is still present.
MW-1 through MW-4	Temporary well points installed during the March 2013 groundwater monitoring event. The wells were removed following the collection of the groundwater samples. Permanent wells MW-1, MW-3 and MW-4 were installed in August 2014; MW-2 is the corner sidewalk well also known as ASR-MW-8.
OW-2 and OW-3	Well points installed during the June 2013 treatment application. The wells are no longer present.

The sampling locations, corresponding chart number and associated sampling timeline are provided in the following table:

Sampling Locations and Timeline

Sampling Location	Chart	Sampling Dates/Sample IDs														
		9-Oct	10-Nov	13-Mar	13-Jul	13-Sep	14-Apr	14-Aug	14-Nov	15-Jan	15-Aug	16-Mar	16-Jun	16-Oct	17-Mar	17-Nov
MW-1/ ASR-MW-3/ OW-2	1	ASR-MW-3	ASR-MW-3	MW-1	OW-2	OW-2	OW-2	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
MW-2/ ASR-MW-8	2	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	ASR-MW-8	MW-2	MW-2
MW-3/ OW-3	3	NS	NS	MW-3	OW-3	OW-3	OW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
MW-4/ ASR-MW-1	4	ASR-MW-1	ASR-MW-1	MW-4	NS	NS	NS	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
NOTES: NS = Location Not Sampled																

Since 2017, there have been no adjustments to the well IDs, well locations, etc. and monitoring wells MW-1 through MW-4 were sampled.

The individual concentrations over time [shown in parts per billion (ppb)] for each well are provided in the following tables, including when in-situ (IS) treatments and EFR events were conducted.

Summary of Indicator Compound Concentrations
MW-1 (ASR-MW-3 / OW-2)

Date	10-Nov	13-Mar	13-Jul	13-Sep	14-Apr	14-Aug	14-Nov	15-Jan	15-Jun	15-Aug	16-Mar	16-Jun	16-Oct	17-Mar	17-Nov	18-Mar	18-Jun	18-Dec	19-May	19-Nov	20-May	20-Sep	21-Feb	21-May
Analyte (ppb)	-	Post IS	Post IS	Post IS	Post IS	Post EFR	Post EFR	Post EFR	Post IS	Post EFR	Post EFR	-	Post EFR	-	Post IS	-	-	-	-	-	-	-	-	-
1,2,4-trimethylbenzene	200	900	1,800	ND	2,300	990	220	58	380	440	210	62	24	300	170	22	160	22	48	15	22	ND	0.25	2.9
Benzene	42	34	150	1.5	38	12	2.4	1.2	ND	2.6	1.2	0.32	3.3	3.1	5	3.2	6.7	2.8	2.6	4.6	3.8	4.9	0.53	4.4
Ethylbenzene	350	840	2,800	73	2,300	590	98	34	99	300	160	13	16	100	260	190	450	6	43	5.4	12	2.2	1.7	4.9
MTBE	28	30	50	3.4	ND	31	22	19	ND	7.2	ND	2.9	8.5	4.2	11	7.5	40	6.9	3.8	11	6.8	10	ND	9.8
Naphthalene	54	76	150	ND	100	66	18	1.7	23	26	90	21	7.1	15	24	14	65	11	7.2	3.2	3.4	4	5.09	7.4
Total Xylenes	1,430	4,000	9,800	140	6,900	1,130	110	16	680	410	460	24	15	95	ND	5.1	130	130	15	3.2	24	3.8	1.7	15
Toluene	410	650	2,100	6.4	90	36	2.4	0.84	ND	7.4	11	ND	2.1	ND	ND	ND	7.9	3.1	1.1	1.2	1.1	1.3	0.3	1.3
TOTALS	**2,514**	**6,530**	**16,850**	**224.3**	**11,728**	**2,855**	**472.8**	**130.74**	**1,182**	**1,193.2**	**932.2**	**123.22**	**76**	**517.3**	**470**	**241.8**	**859.6**	**181.8**	**120.7**	**43.6**	**73.1**	**26.2**	**9.6**	**45.7**
Date	**21-Sep**	**21-Nov**	**22-Mar**	**23-Mar**																				
Analyte (ppb)	-	-	-	-																				
1,2,4-trimethylbenzene	ND	3.0	2.9	ND																				
Benzene	3.6	5.4	7.4	4.3																				
Ethylbenzene	1.3	7.8	150	5.0																				
MTBE	8.2	14	12	7.9																				
Naphthalene	1.9	5.3	75	15																				
Total Xylenes	2.4	18	66.2	4.1																				
Toluene	0.92	4.2	6.8	1.8																				
TOTALS	**18.3**	**57.70**	**320.3**	**38.1**																				

Summary of Indicator Compound Concentrations
MW-2 (ASR MW-8)

Date	10-Nov	13-Mar	13-Jul	13-Sep	14-Apr	14-Aug	14-Nov	15-Jan	15-Jun	15-Aug	16-Mar	16-Jun	16-Oct	17-Mar	17-Nov	18-Mar	19-May	19-Nov	20-May	20-Sep	21-Feb	21-May
Analyte (ppb)	-	Post IS	Post IS	Post IS	Post IS	Post EFR	Post EFR	Post EFR	Post IS	Post EFR	Post EFR	-	Post EFR	-	Post IS	-	-	-	-	-	-	-
1,2,4-trimethylbenzene	420	2,100	350	680	14	60	190	130	2,900	300	520	200	160	160	260	38	3,300	460	1,600	360	1,400	570
Benzene	33	64	4.3	ND	1.2	1.9	1.6	3.5	ND	0.66	ND	0.5	ND	ND	0.7	0.17	4	ND	ND	ND	ND	0.76
Ethylbenzene	920	2,600	650	1,000	110	210	220	460	5,000	380	560	130	110	87	220	71	1,600	410	1,600	240	2,100	830
MTBE	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND
Naphthalene	51	170	36	86	1.3	8.4	26	24	320	32	66	16	16	7.1	17	3.4	99	23	57	20	82	58
Total Xylenes	2,520	10,200	1,790	3,160	338	550	960	730	10,000	940	1,400	200	350	200	870	310	2,700	870	3,500	6.0	6,300	1,700
Toluene	770	ND	740	990	52	250	330	25	1,900	130	250	34	30	34	160	32	56	20	140	15	150	54
TOTALS	**4,747**	**15,134**	**3,570**	**5,916**	**516.5**	**1,080.3**	**1,727.6**	**1,372**	**20,120**	**1,782.7**	**2,796**	**581**	**666**	**488**	**1,527.7**	**454.6**	**7,777**	**1,783**	**6,897**	**641**	**10,032**	**3,212.76**
Date	**21-Sep**	**21-Nov**	**22-Mar**	**23-Mar**																		
Analyte (ppb)	-	-	-																			
1,2,4-trimethylbenzene	ND	260	NS	NS																		
Benzene	ND	1.7	NS	NS																		
Ethylbenzene	ND	520	NS	NS																		
MTBE	ND	5.0	NS	NS																		
Naphthalene	ND	16	NS	NS																		
Total Xylenes	ND	1,500	NS	NS																		
Toluene	ND	36	NS	NS																		
TOTALS	**ND**	**2,339**	**NS**	**NS**																		

Summary of Indicator Compound Concentrations
MW-3 (OW-3)

Date	13-Mar	13-Jul	13-Sep	14-Apr	14-Aug	14-Nov	15-Jan	15-Jun	15-Aug	16-Mar	16-Jun	16-Oct	17-Mar	17-Nov	18-Mar	18-Jun	18-Sep	18-Dec	19-May	19-Nov	20-May	20-Sep	21-Feb	21-May
Analyte (ppb)	**Post IS**	**Post IS**	**Post IS**	**Post IS**	**Post EFR**	**Post EFR**	**Post EFR**	**Post IS**	**Post EFR**	**Post EFR**	**-**	**Post EFR**	**-**	**Post IS**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
1,2,4-trimethylbenzene	2,100	520	1,300	2,900	580	350	390	9.5	110	380	190	600	0.89	320	21	200	22	4.3	3.6	ND	10	5.7	12	1.8
Benzene	ND	ND	ND	9.9	4.7	1.9	2.3	ND	1.6	2	0.48	1.9	ND	4.2	0.46	1.1	0.83	0.35	0.78	1.4	0.52	2.5	ND	2
Ethylbenzene	350	380	710	2,800	640	310	380	ND	40	330	78	460	0.77	220	2.4	430	120	18	8.8	2.3	14	37	18	3.7
MTBE	ND	ND	ND	ND	15	13	22	1.4	ND	7.8	3.9	5.4	ND	12	1.0	ND	0.78	2.5	1.1	5.3	1.6	ND	ND	3.8
Naphthalene	78	35	280	140	52	30	37	0.95	12	38	32	65	ND	22	1.0	18	0.54	1.5	ND	1.0	0.91	2.6	0.622	ND
Total Xylenes	1,220	733	1,600	8,900	1,170	430	810	5.3	120	620	240	840	2.3	7	8.2	23	32	3.8	0.82	ND	10	7.7	46	5.7
Toluene	ND	ND	9.2	66	28	5.4	37	ND	ND	6.4	1.9	7.4	ND	ND	ND	ND	1.4	2.5	ND	ND	ND	ND	150	ND
TOTALS	**3,748**	**1,668**	**3,899.2**	**14,815.9**	**2,489.7**	**1,140.3**	**1,678.3**	**17.15**	**283.6**	**1,384**	**546**	**1,980**	**4.0**	**585.2**	**34.1**	**672.1**	**177.55**	**32.95**	**15.1**	**10**	**37.03**	**55.5**	**226.6**	**17**

Date	21-Sep	21-Nov	22-Mar	23-Mar
Analyte (ppb)	**-**	**-**	**-**	**-**
1,2,4-trimethylbenzene	ND	120	6.0	ND
Benzene	0.31	4.7	1.3	0.34
Ethylbenzene	ND	120	35	ND
MTBE	0.42	14	4.3	0.82
Naphthalene	ND	2.6	6.0	ND
Total Xylenes	ND	43	9.2	ND
Toluene	ND	1.6	1.0	ND
TOTALS	**0.73**	**305.9**	**63**	**1.16**

Summary of Indicator Compound Concentrations
MW-4 (ASR MW-1)

Date	9-Oct	10-Nov	13-Mar	14-Aug	14-Nov	15-Jan	15-Jun	15-Aug	16-Mar	16-Jun	16-Oct	17-Mar	17-Nov	18-Mar	18-Jun	18-Sep	18-Dec	19-May	19-Nov	20-May	20-Sep	21-Feb	21-May
Analyte (ppb)	-	-	**Post all 4 IS events**	**Post EFR**	**Post EFR**	**Post EFR**	**Post IS**	**Post EFR**	**Post EFR**	-	**Post EFR**	-	**Post IS**	-	-	-	-	-	-	-	-	-	-
1,2,4-trimethylbenzene	510	220	670	810	400	310	100	730	450	280	430	710	750	450	89	32	120	150	510	520	680	980	940
Benzene	6.4	ND	ND	10	6.8	3.1	ND	3.1	2.9	ND	ND	ND	ND	ND	ND	0.83	0.37	0.82	2.2	1.6	1.7	ND	2.1
Ethylbenzene	550	360	160	970	350	230	43	580	190	86	620	930	1,800	1,600	1,200	170	180	170	710	760	950	1,200	1,100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND
Naphthalene	80	33	34	250	59	52	28	92	44	73	120	97	220	170	100	1.9	18	15	70	52	110	77.1	160
Total Xylenes	1,190	990	400	2,400	870	610	290	1,200	99	300	740	1,400	1,500	1,900	490	200	370	86	170	580	610	1,400	360
Toluene	65	70	24	18	7	6.8	ND	23	ND	2.8	24	21	18	22	ND	ND	2.1	1.1	ND	ND	ND	3.2	ND
TOTALS	**2,401.4**	**1,673**	**1,288**	**4,458**	**1,692.8**	**1,211.9**	**461**	**2,628.1**	**794.8**	**741.8**	**1,934**	**3,158**	**4,288**	**4,142**	**1,879**	**404.73**	**692.97**	**422.92**	**1,462.2**	**1,913.6**	**2,351.7**	**3,660.3**	**2,562.1**

Date	21-Sep	21-Nov	22-Mar	23-Mar
Analyte (ppb)	-	-		
1,2,4-trimethylbenzene	3.3	-	220	76
Benzene	2.4	2	0.77	3.4
Ethylbenzene	3.9	960	300	93
MTBE	ND	5	ND	1.5
Naphthalene	ND	43	39	93
Total Xylenes	ND	440	200	300
Toluene	ND	2.6	1.1	1.3
TOTALS	**9.6**	**1,992.6**	**760.9**	**568.2**

Discussion and Conclusions

The March 2023 sampling results detected decreasing levels of target compounds at the 2477 Third Avenue Property. Water quality data is provided in the groundwater sampling logs in Attachment B and are summarized in the following Table:

March 30, 2023

Well No.	DO (mg/L)	ORP (mV)	pH
MW-1	12.53 to 0.40	-173.9 to -98.1	6.90 to 7.98
MW-2	-	-	-
MW-3	3.30 to 0.52	-9.20 to -15.4	7.34 to 7.65
MW-4	2.40 to 0.41	-93.9 to -134	6.92 to 7.09

Monitoring well MW-2 appears to have become dislodged and the casing is loose. AKRF believes that the well has been raised over time causing the well to be dry during recent well sampling events. We recommend removing the well and inspecting the interior for possible petroleum product that may have become coated on the interior of the casing over time during sampling and past VEFR events.

Future groundwater sampling events will be conducted quarterly in accordance with the SMP. It is recommended that MW-2 be removed, inspected for product and reinstalled.

AKRF looks forward to your review of this report and thanks you for your continued assistance in achieving the established remedial goals. Please contact me at (646) 388-9529 if you have any questions or comments.

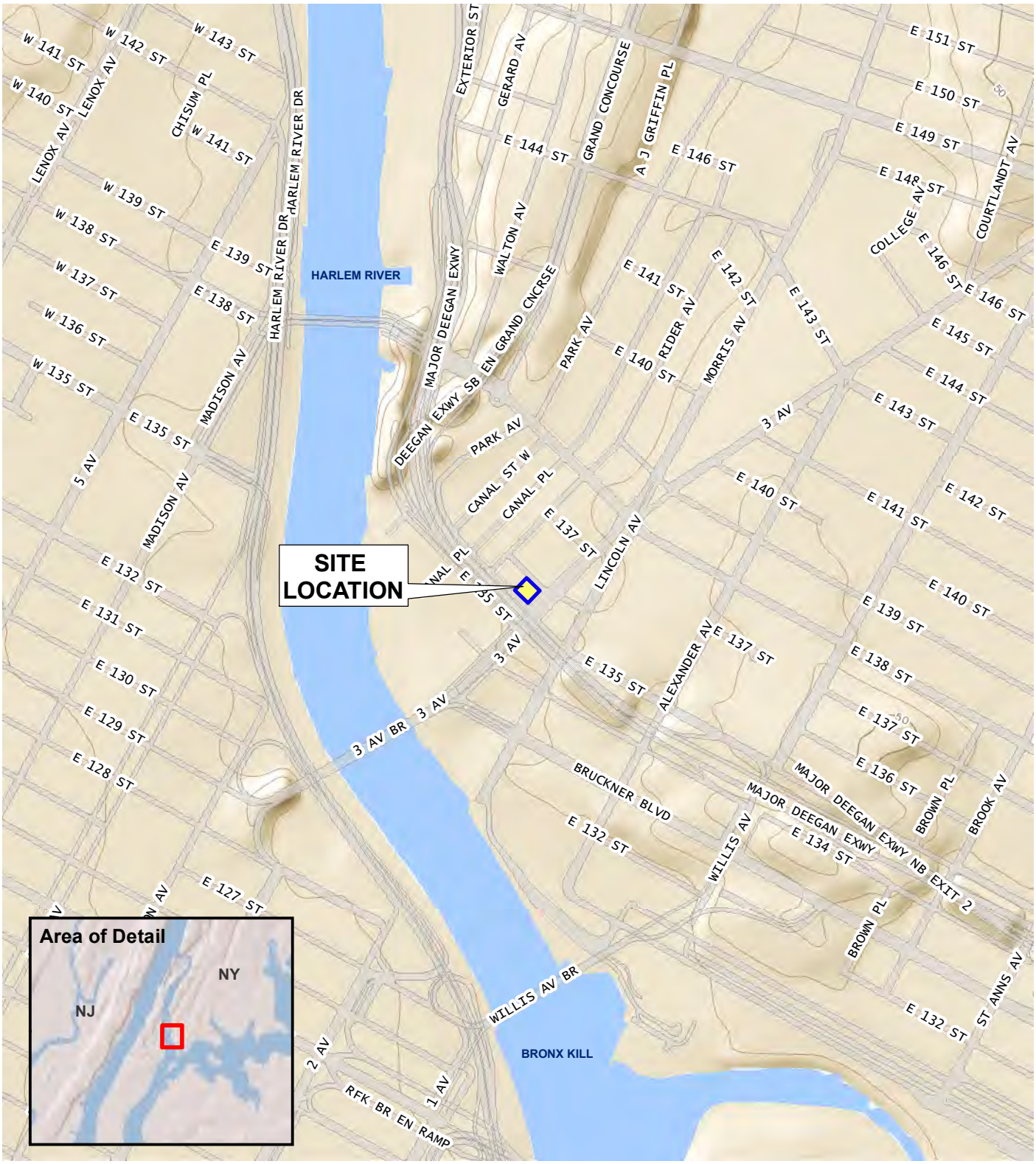
Sincerely,

Axel Schwendt, P.G.
Vice President

List attachments/figures

cc: S. Patel, B. Patel – Jiten LLC
M. Lapin – AKRF

FIGURES



SOURCE
USGS 7.5 Minute Topographic Map
Central Park Quad 2011

0 1,000 2,000 Feet

2477 Third Avenue
Bronx, New York

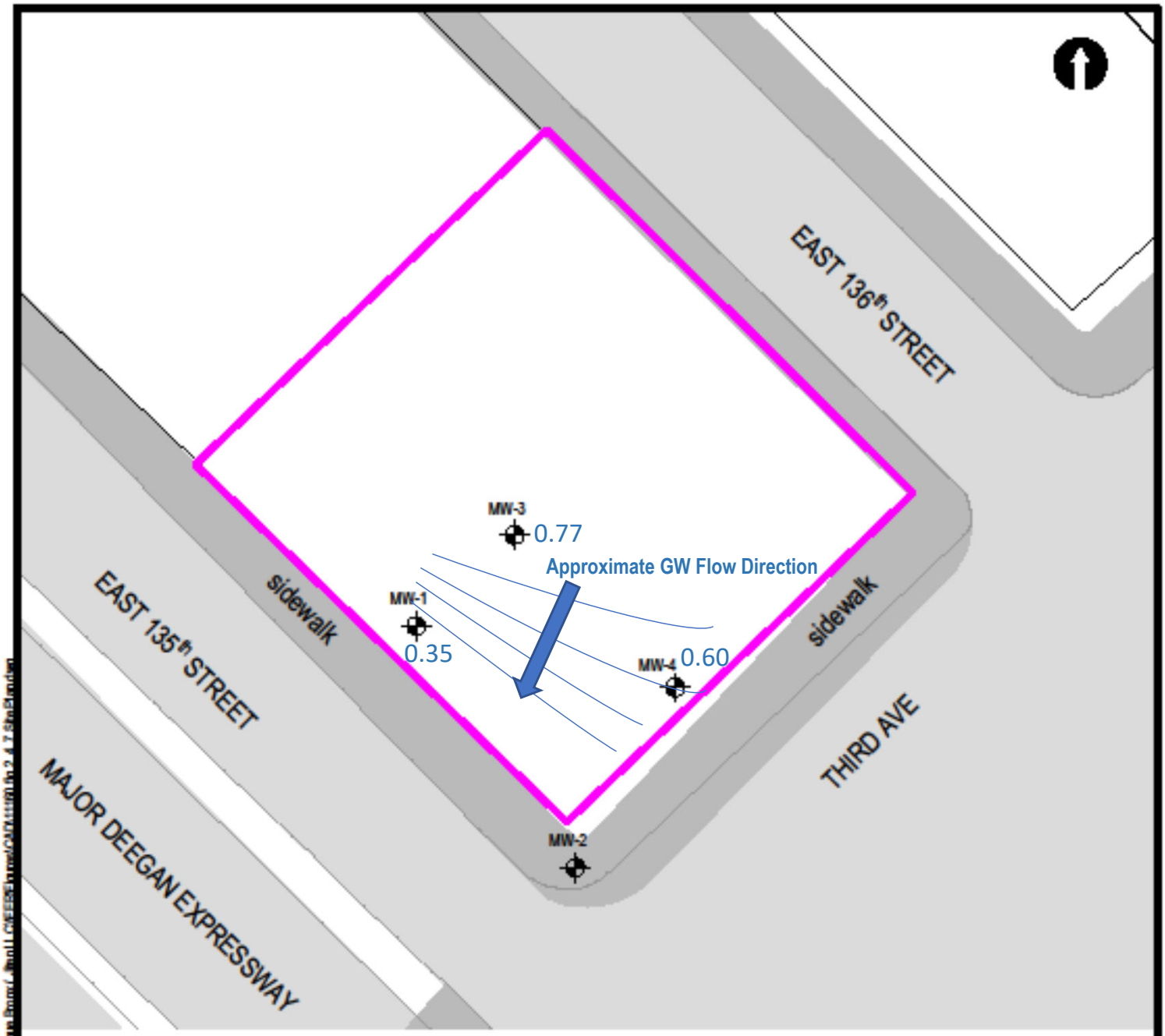
SITE LOCATION

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
3/12/2015

PROJECT No.
11160

FIGURE
1



LEGEND:

- PROJECT SITE BOUNDARY
- LOCATION OF MONITORING WELL
- LOCATION OF 2" INJECTION WELL
- GW CONTOUR INTERVAL = 0.1'

0' 15' 30' 60'

SCALE IN FEET

2477 Third Avenue

Bronx, New York

LOCATIONS OF PERMANENT MONITORING WELLS

AKRF

Environmental Consultants

440 Park Avenue South, New York, N.Y. 10016

DATE	4.10.2023
PROJECT No.	11160
SCALE	as shown
FIGURE	2

TABLES

Table 1
2477 Third Avenue
Bronx, NY
Groundwater Monitoring
Analytical Results of Volatile Organic Compounds (VOCs)

	AKRF Sample ID	MW-1_20230330	DUP-X_20230330	MW-3_20230330	MW-4_20230330	TB_20230330
	Laboratory Sample ID	460-277400-1	460-277400-2	460-277400-3	460-277400-4	460-277400-5
	Date Sampled	03/30/2023	03/30/2023	03/30/2023	03/30/2023	03/30/2023
	Dilution	1	1	1	1	1
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
Analyte	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	**5**	1 U	1 U	1 U	**76**	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	**5**	1 U	1 U	1 U	**27**	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, Total	0.4	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	50	5 U	5 U	5 U	10	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	NS	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	13	5 U
Benzene	**1**	**4.3**	**5**	0.34 J	**3.4**	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chlorobromomethane	5	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.37 J	0.42 J	1 U	1 U	1 U
cis-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	12	15	1 U	68	1 U
Dichlorobromomethane	50	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	**5**	5	**6.4**	1 U	**93**	1 U
Ethylene Dibromide	0.0006	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	**5**	**51**	**66**	1 U	**100**	1 U
Methyl acetate	NS	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	7.9	8.7	0.82 J	1.5	1 U
Methylcyclohexane	NS	9.9	13	1 U	140	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
m-Xylene & p-Xylene	**5**	2.9	4.2	1 U	**270**	1 U
n-Butylbenzene	**5**	2.6	3.8	1 U	**13**	1 U
N-Propylbenzene	**5**	**62**	**84**	1 U	**200**	1 U
o-Xylene	**5**	1.2	1.7	1 U	**34**	1 U
sec-Butylbenzene	**5**	**8.4**	**10**	1 U	**16**	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	0.36 J	0.46 J	1 U	1	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U
Toluene	5	1.8	2.3	1 U	1.3	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	4.1	5.9	2 U	300	2 U
Total Conc	NS	173.83	226.88	1.16	1367.2	0

Table 2
2477 Third Avenue
Bronx, NY
Groundwater Monitoring
Analytical Results of Semivolatile Organic Compounds (SVOCs)

	AKRF Sample ID	MW-1_20230330	DUP-X_20230330	MW-3_20230330	MW-4_20230330
	Laboratory Sample ID	460-277400-1	460-277400-2	460-277400-3	460-277400-4
	Date Sampled	03/30/2023	03/30/2023	03/30/2023	03/30/2023
	Dilution	1	1	1	1
	Units	µg/L	µg/L	µg/L	µg/L
Analyte	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
1,1'-Biphenyl	5	10 U	10 U	10 U	10 U
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U
1,4-Dioxane	NS	10 U	10 U	10 U	10 U
2,2'-oxybis[1-chloropropane]	5	10 U	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	NS	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	0.72 J	0.87 J	10 U	2.4 J
2,4-Dinitrophenol	10	40 U	40 U	40 U	40 U
2,4-Dinitrotoluene	5	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	NS	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NS	0.88 J	0.93 J	10 U	22
2-Methylphenol	NS	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U	10 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U
3 & 4 Methylphenol	NS	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	10 U
3-Nitroaniline	5	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	NS	20 U	20 U	20 U	20 U
4-Bromophenyl phenyl ether	NS	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	NS	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	NS	10 U	10 U	10 U	10 U
4-Methylphenol	NS	10 U	10 U	10 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U	10 U
4-Nitrophenol	NS	20 U	20 U	20 U	20 U
Acenaphthene	20	10 U	10 U	10 U	1.7 J
Acenaphthylene	NS	10 U	10 U	10 U	10 U
Acetophenone	NS	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U
Atrazine	7.5	2 U	2 U	2 U	2 U
Benzaldehyde	NS	10 U	10 U	10 U	10 U
Benzo[a]anthracene	0.002	1 U	1 U	1 U	1 U
Benzo[a]pyrene	ND	1 U	1 U	1 U	1 U
Benzo[b]fluoranthene	0.002	2 U	2 U	2 U	2 U
Benzo[g,h,i]perylene	NS	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002	1 U	1 U	1 U	1 U
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether	1	1 U	1 U	1 U	1 U
Bis(2-ethylhexyl) phthalate	5	2 U	2 U	2 U	2 U
Butyl benzyl phthalate	50	10 U	10 U	10 U	10 U
Caprolactam	NS	10 U	10 U	10 U	10 U
Carbazole	NS	10 U	10 U	10 U	1.3 J
Chrysene	0.002	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene	NS	1 U	1 U	1 U	1 U
Dibenzofuran	NS	10 U	10 U	10 U	10 U
Diethyl phthalate	50	10 U	10 U	10 U	10 U
Dimethyl phthalate	50	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	50	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	50	10 U	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	1.2 J
Hexachlorobenzene	0.04	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U
Hexachloroethane	5	2 U	2 U	2 U	2 U
Indeno[1,2,3-cd]pyrene	0.002	2 U	2 U	2 U	2 U
Isophorone	50	10 U	10 U	10 U	10 U
Naphthalene	**10**	**15**	**16**	2 U	**93**
Nitrobenzene	0.4	1 U	1 U	1 U	1 U
N-Nitrosodi-n-propylamine	NS	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U	10 U	10 U
Pentachlorophenol	NS	20 U	20 U	20 U	20 U
Phenanthrene	50	10 U	10 U	10 U	1.5 J
Phenol	1	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U
Total Conc	NS	16.6	17.8	0	123.1

Tables 1-2
2477 Third Avenue
Bronx, NY
Groundwater Monitoring
Notes

DEFINITIONS

J : The concentration given is an estimated value.

ND : The standard is a non-detectable concentration by the approved analytical method.

NS : No standard.

U : The analyte was not detected at the indicated concentration.

µg/L : micrograms per liter

STANDARDS

NYSDEC Class GA AWQSGVs : New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs).

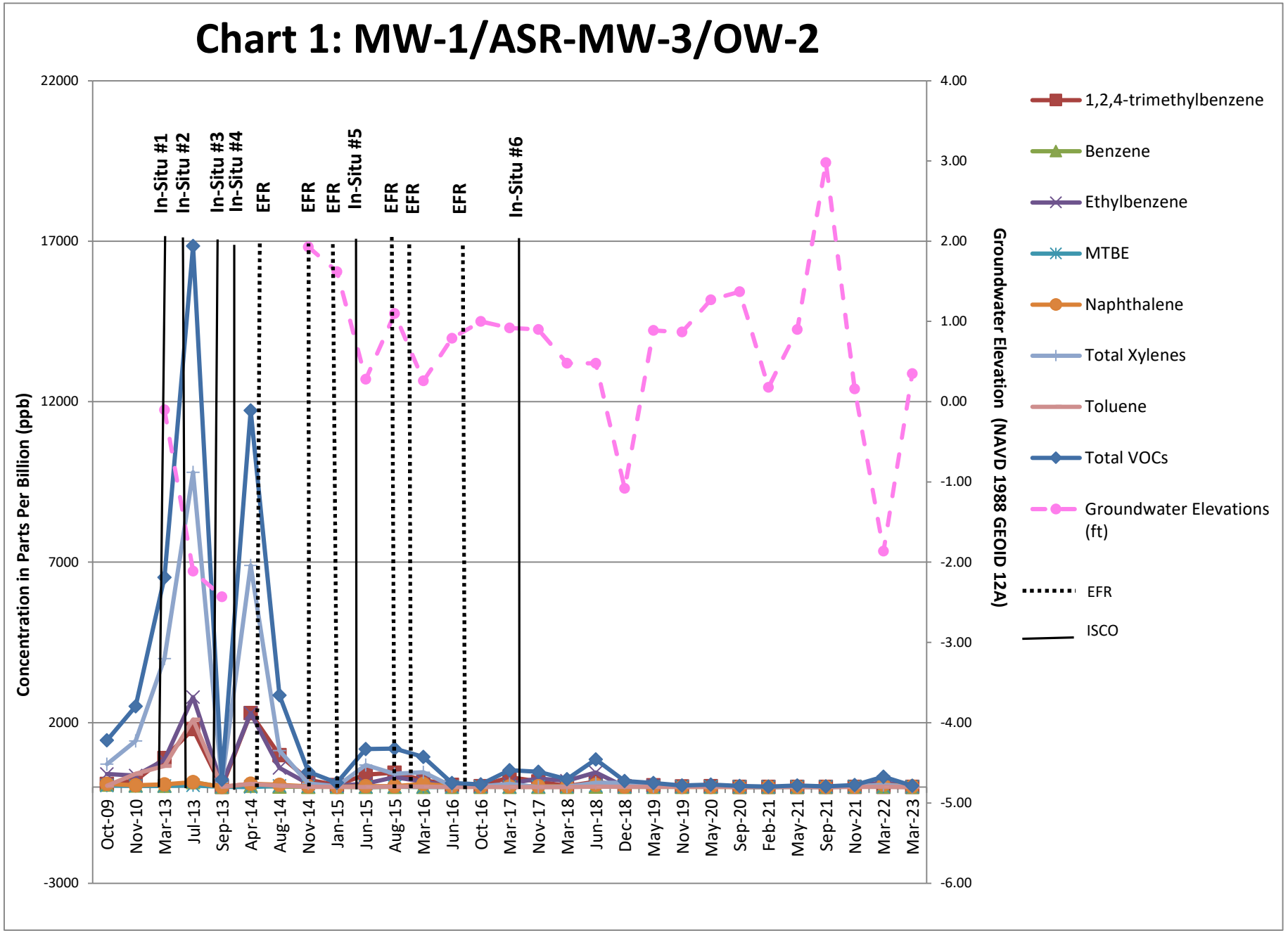
Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.

DUPLICATES

DUP-X_20230330 is a blind duplicate of sample MW-1_20230330

CHARTS

Chart 1: MW-1/ASR-MW-3/OW-2



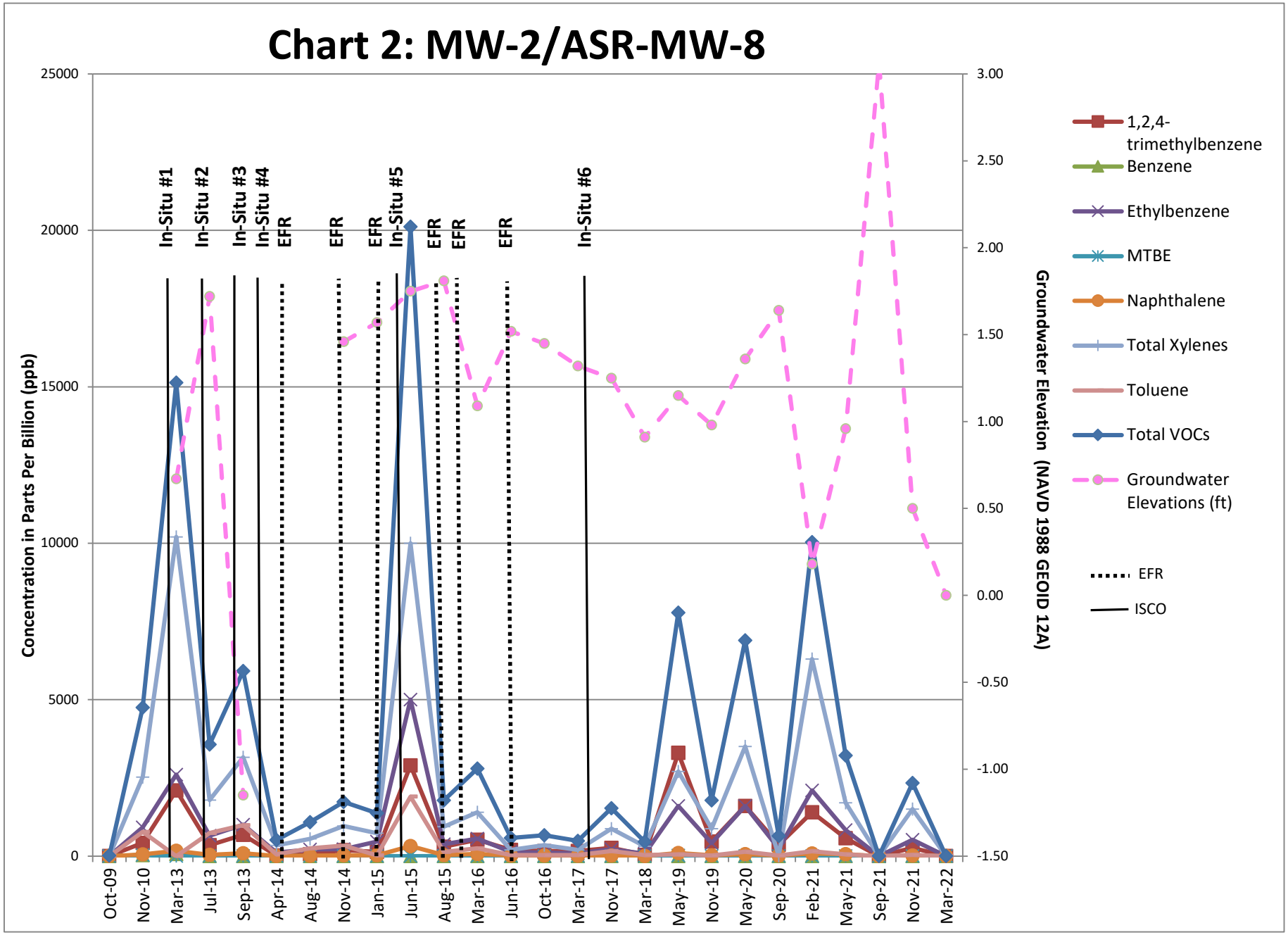


Chart 2: MW-2/ASR-MW-8
Concentration in Parts Per Billion (ppb)
Groundwater Elevation (NAVD 1988 GEOID 12A)
25000
20000
15000
10000
5000
0
3.00
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
In-Situ #1
In-Situ #2
In-Situ #3
In-Situ #4
EFR
EFR
EFR
In-Situ #5
EFR
EFR
EFR
In-Situ #6
Oct-09
Nov-10
Mar-13
Jul-13
Sep-13
Apr-14
Aug-14
Nov-14
Jan-15
Jun-15
Aug-15
Mar-16
Jun-16
Oct-16
Mar-17
Nov-17
Mar-18
May-19
Nov-19
May-20
Sep-20
Feb-21
May-21
Sep-21
Nov-21
Mar-22
1,2,4-trimethylbenzene
Benzene
Ethylbenzene
MTBE
Naphthalene
Total Xylenes
Toluene
Total VOCs
Groundwater Elevations (ft)
EFR
ISCO

Chart 3: MW-3/OW-3

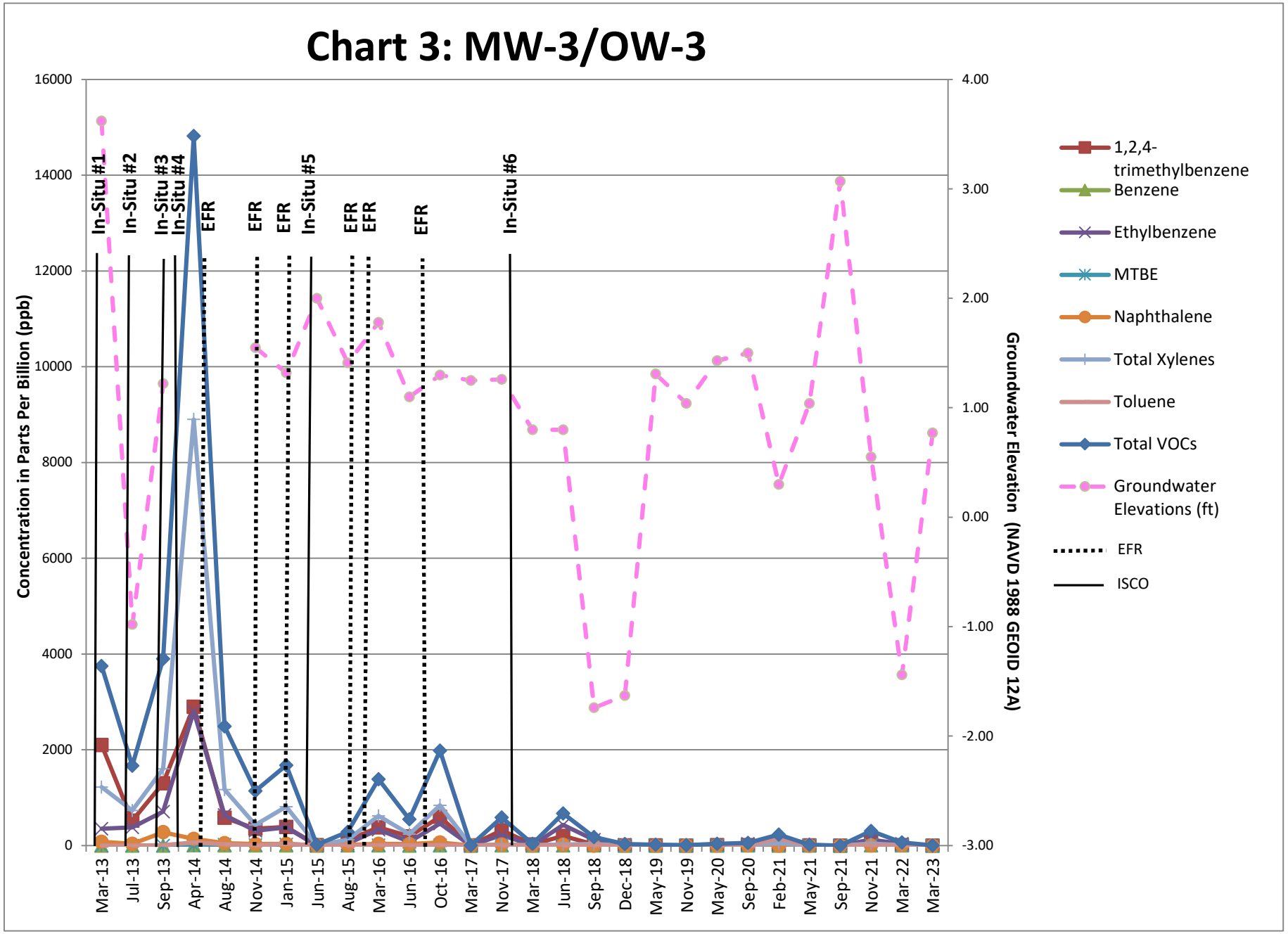
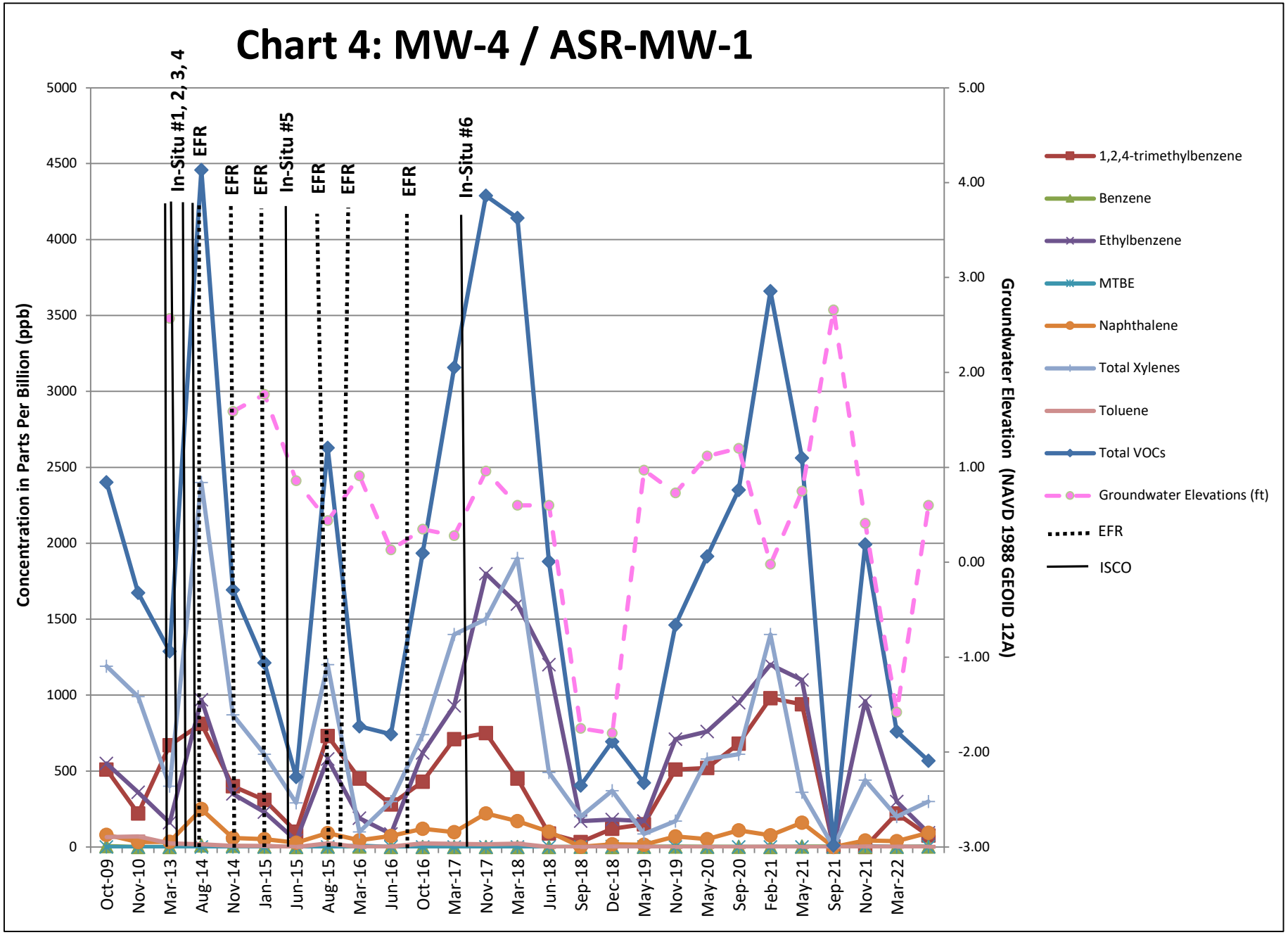


Chart 4: MW-4 / ASR-MW-1



ATTACHMENT A
LABORATORY ANALYTICAL DATA SHEETS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Axel Schwendt
AKRF Inc
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7th Floor
New York, New York 10016

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JOB DESCRIPTION

2477 Third Ave Bronx

JOB NUMBER

460-277400-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

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Table of Contents

Definitions/Glossary

Client: AKRF Inc
Job ID: 460-277400-1
Project/Site: 2477 Third Ave Bronx

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-277400-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 2477 Third Ave Bronx

Report Number: 460-277400-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 3/30/2023 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-1_20230330 (460-277400-1), DUP-X_20230330 (460-277400-2), MW-3_20230330 (460-277400-3), MW-4_20230330 (460-277400-4) and TB_20230330 (460-277400-5) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 04/03/2023.

The continuing calibration verification (CCV) analyzed in batch 460-901008 was outside the method criteria for the following analyte(s): Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-1_20230330 (460-277400-1), DUP-X_20230330 (460-277400-2), MW-3_20230330 (460-277400-3) and MW-4_20230330 (460-277400-4) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared on 04/04/2023 and analyzed on 04/05/2023.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside

Job ID: 460-277400-1 (Continued)

Laboratory: Eurofins Edison (Continued)

acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: DUP-X_20230330 (460-277400-2). These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 460-901346 was outside the method criteria for the following analyte(s): 2,6-Dinitrotoluene, Benzaldehyde, Dibenz(a,h)anthracene, Hexachlorocyclopentadiene, Indeno[1,2,3-cd]pyrene and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: MW-1_20230330 — Lab Sample ID: 460-277400-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.3		1.0	0.20	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.37	J	1.0	0.22	ug/L	1		8260D	Total/NA
Cyclohexane	12		1.0	0.32	ug/L	1		8260D	Total/NA
Ethylbenzene	5.0		1.0	0.30	ug/L	1		8260D	Total/NA
Isopropylbenzene	51		1.0	0.34	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	7.9		1.0	0.22	ug/L	1		8260D	Total/NA
Methylcyclohexane	9.9		1.0	0.71	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	2.9		1.0	0.30	ug/L	1		8260D	Total/NA
n-Butylbenzene	2.6		1.0	0.32	ug/L	1		8260D	Total/NA
N-Propylbenzene	62		1.0	0.32	ug/L	1		8260D	Total/NA
o-Xylene	1.2		1.0	0.36	ug/L	1		8260D	Total/NA
sec-Butylbenzene	8.4		1.0	0.37	ug/L	1		8260D	Total/NA
tert-Butylbenzene	0.36	J	1.0	0.34	ug/L	1		8260D	Total/NA
Toluene	1.8		1.0	0.38	ug/L	1		8260D	Total/NA
Xylenes, Total	4.1		2.0	0.65	ug/L	1		8260D	Total/NA
2,4-Dimethylphenol	0.72	J	10	0.62	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.88	J	10	0.53	ug/L	1		8270E	Total/NA
Naphthalene	15		2.0	0.54	ug/L	1		8270E	Total/NA

Client Sample ID: DUP-X_20230330 — Lab Sample ID: 460-277400-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5.0		1.0	0.20	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.42	J	1.0	0.22	ug/L	1		8260D	Total/NA
Cyclohexane	15		1.0	0.32	ug/L	1		8260D	Total/NA
Ethylbenzene	6.4		1.0	0.30	ug/L	1		8260D	Total/NA
Isopropylbenzene	66		1.0	0.34	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	8.7		1.0	0.22	ug/L	1		8260D	Total/NA
Methylcyclohexane	13		1.0	0.71	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	4.2		1.0	0.30	ug/L	1		8260D	Total/NA
n-Butylbenzene	3.8		1.0	0.32	ug/L	1		8260D	Total/NA
N-Propylbenzene	84		1.0	0.32	ug/L	1		8260D	Total/NA
o-Xylene	1.7		1.0	0.36	ug/L	1		8260D	Total/NA
sec-Butylbenzene	10		1.0	0.37	ug/L	1		8260D	Total/NA
tert-Butylbenzene	0.46	J	1.0	0.34	ug/L	1		8260D	Total/NA
Toluene	2.3		1.0	0.38	ug/L	1		8260D	Total/NA
Xylenes, Total	5.9		2.0	0.65	ug/L	1		8260D	Total/NA
2,4-Dimethylphenol	0.87	J	10	0.62	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.93	J	10	0.53	ug/L	1		8270E	Total/NA
Naphthalene	16		2.0	0.54	ug/L	1		8270E	Total/NA

Client Sample ID: MW-3_20230330 — Lab Sample ID: 460-277400-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.34	J	1.0	0.20	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.82	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW-4_20230330 — Lab Sample ID: 460-277400-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	76		1.0	0.37	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	27		1.0	0.33	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: MW-4_20230330 (Continued)
Lab Sample ID: 460-277400-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	10		5.0	1.9	ug/L	1		8260D	Total/NA
Acetone	13		5.0	4.4	ug/L	1		8260D	Total/NA
Benzene	3.4		1.0	0.20	ug/L	1		8260D	Total/NA
Cyclohexane	68		1.0	0.32	ug/L	1		8260D	Total/NA
Ethylbenzene	93		1.0	0.30	ug/L	1		8260D	Total/NA
Isopropylbenzene	100		1.0	0.34	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	1.5		1.0	0.22	ug/L	1		8260D	Total/NA
Methylcyclohexane	140		1.0	0.71	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	270		1.0	0.30	ug/L	1		8260D	Total/NA
n-Butylbenzene	13		1.0	0.32	ug/L	1		8260D	Total/NA
N-Propylbenzene	200		1.0	0.32	ug/L	1		8260D	Total/NA
o-Xylene	34		1.0	0.36	ug/L	1		8260D	Total/NA
sec-Butylbenzene	16		1.0	0.37	ug/L	1		8260D	Total/NA
tert-Butylbenzene	1.0		1.0	0.34	ug/L	1		8260D	Total/NA
Toluene	1.3		1.0	0.38	ug/L	1		8260D	Total/NA
Xylenes, Total	300		2.0	0.65	ug/L	1		8260D	Total/NA
2,4-Dimethylphenol	2.4	J	10	0.62	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	22		10	0.53	ug/L	1		8270E	Total/NA
Acenaphthene	1.7	J	10	1.1	ug/L	1		8270E	Total/NA
Carbazole	1.3	J	10	0.68	ug/L	1		8270E	Total/NA
Fluorene	1.2	J	10	0.91	ug/L	1		8270E	Total/NA
Naphthalene	93		2.0	0.54	ug/L	1		8270E	Total/NA
Phenanthrene	1.5	J	10	1.3	ug/L	1		8270E	Total/NA

Client Sample ID: TB_20230330
Lab Sample ID: 460-277400-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: MW-1_20230330
Date Collected: 03/30/23 09:40
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			04/03/23 14:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			04/03/23 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/03/23 14:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			04/03/23 14:58	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			04/03/23 14:58	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			04/03/23 14:58	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			04/03/23 14:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			04/03/23 14:58	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			04/03/23 14:58	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			04/03/23 14:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			04/03/23 14:58	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			04/03/23 14:58	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			04/03/23 14:58	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			04/03/23 14:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			04/03/23 14:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			04/03/23 14:58	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			04/03/23 14:58	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			04/03/23 14:58	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			04/03/23 14:58	1
Acetone	5.0	U	5.0	4.4	ug/L			04/03/23 14:58	1
Benzene	**4.3**		1.0	0.20	ug/L			04/03/23 14:58	1
Bromoform	1.0	U	1.0	0.54	ug/L			04/03/23 14:58	1
Bromomethane	1.0	U	1.0	0.55	ug/L			04/03/23 14:58	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			04/03/23 14:58	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			04/03/23 14:58	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			04/03/23 14:58	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			04/03/23 14:58	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			04/03/23 14:58	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/03/23 14:58	1
Chloroform	1.0	U	1.0	0.33	ug/L			04/03/23 14:58	1
Chloromethane	1.0	U	1.0	0.40	ug/L			04/03/23 14:58	1
cis-1,2-Dichloroethene	**0.37**	**J**	1.0	0.22	ug/L			04/03/23 14:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 14:58	1
Cyclohexane	**12**		1.0	0.32	ug/L			04/03/23 14:58	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			04/03/23 14:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/03/23 14:58	1
Ethylbenzene	**5.0**		1.0	0.30	ug/L			04/03/23 14:58	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			04/03/23 14:58	1
Isopropylbenzene	**51**		1.0	0.34	ug/L			04/03/23 14:58	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			04/03/23 14:58	1
Methyl tert-butyl ether	**7.9**		1.0	0.22	ug/L			04/03/23 14:58	1
Methylcyclohexane	**9.9**		1.0	0.71	ug/L			04/03/23 14:58	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			04/03/23 14:58	1
m-Xylene & p-Xylene	**2.9**		1.0	0.30	ug/L			04/03/23 14:58	1
n-Butylbenzene	**2.6**		1.0	0.32	ug/L			04/03/23 14:58	1
N-Propylbenzene	**62**		1.0	0.32	ug/L			04/03/23 14:58	1
o-Xylene	**1.2**		1.0	0.36	ug/L			04/03/23 14:58	1
sec-Butylbenzene	**8.4**		1.0	0.37	ug/L			04/03/23 14:58	1
Styrene	1.0	U	1.0	0.42	ug/L			04/03/23 14:58	1

Client Sample ID: MW-1_20230330
Lab Sample ID: 460-277400-1

Date Collected: 03/30/23 09:40
Matrix: Water
Date Received: 03/30/23 17:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	**0.36**	**J**	1.0	0.34	ug/L			04/03/23 14:58	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			04/03/23 14:58	1
Toluene	**1.8**		1.0	0.38	ug/L			04/03/23 14:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/03/23 14:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 14:58	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			04/03/23 14:58	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			04/03/23 14:58	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			04/03/23 14:58	1
Xylenes, Total	**4.1**		2.0	0.65	ug/L			04/03/23 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*		*04/03/23 14:58*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*04/03/23 14:58*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*04/03/23 14:58*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/03/23 14:58*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 01:51	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 01:51	1
1,4-Dioxane	10	U	10	1.6	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,4-Dimethylphenol	**0.72**	**J**	10	0.62	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		04/04/23 10:09	04/05/23 01:51	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		04/04/23 10:09	04/05/23 01:51	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 01:51	1
2-Chlorophenol	10	U	10	0.38	ug/L		04/04/23 10:09	04/05/23 01:51	1
2-Methylnaphthalene	**0.88**	**J**	10	0.53	ug/L		04/04/23 10:09	04/05/23 01:51	1
2-Methylphenol	10	U	10	0.67	ug/L		04/04/23 10:09	04/05/23 01:51	1
2-Nitroaniline	10	U	10	0.47	ug/L		04/04/23 10:09	04/05/23 01:51	1
2-Nitrophenol	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 01:51	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		04/04/23 10:09	04/05/23 01:51	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		04/04/23 10:09	04/05/23 01:51	1
3-Nitroaniline	10	U	10	1.9	ug/L		04/04/23 10:09	04/05/23 01:51	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		04/04/23 10:09	04/05/23 01:51	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 01:51	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		04/04/23 10:09	04/05/23 01:51	1
4-Chloroaniline	10	U	10	1.9	ug/L		04/04/23 10:09	04/05/23 01:51	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 01:51	1
4-Methylphenol	10	U	10	0.65	ug/L		04/04/23 10:09	04/05/23 01:51	1
4-Nitroaniline	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 01:51	1
4-Nitrophenol	20	U	20	4.0	ug/L		04/04/23 10:09	04/05/23 01:51	1
Acenaphthene	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 01:51	1
Acenaphthylene	10	U	10	0.82	ug/L		04/04/23 10:09	04/05/23 01:51	1
Acetophenone	10	U	10	2.3	ug/L		04/04/23 10:09	04/05/23 01:51	1

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: MW-1_20230330
Date Collected: 03/30/23 09:40
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 01:51	1
Atrazine	2.0	U	2.0	1.3	ug/L		04/04/23 10:09	04/05/23 01:51	1
Benzaldehyde	10	U	10	2.1	ug/L		04/04/23 10:09	04/05/23 01:51	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		04/04/23 10:09	04/05/23 01:51	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		04/04/23 10:09	04/05/23 01:51	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		04/04/23 10:09	04/05/23 01:51	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		04/04/23 10:09	04/05/23 01:51	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		04/04/23 10:09	04/05/23 01:51	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		04/04/23 10:09	04/05/23 01:51	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		04/04/23 10:09	04/05/23 01:51	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		04/04/23 10:09	04/05/23 01:51	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		04/04/23 10:09	04/05/23 01:51	1
Caprolactam	10	U	10	2.2	ug/L		04/04/23 10:09	04/05/23 01:51	1
Carbazole	10	U	10	0.68	ug/L		04/04/23 10:09	04/05/23 01:51	1
Chrysene	2.0	U	2.0	0.91	ug/L		04/04/23 10:09	04/05/23 01:51	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		04/04/23 10:09	04/05/23 01:51	1
Dibenzofuran	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 01:51	1
Diethyl phthalate	10	U	10	0.98	ug/L		04/04/23 10:09	04/05/23 01:51	1
Dimethyl phthalate	10	U	10	0.77	ug/L		04/04/23 10:09	04/05/23 01:51	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		04/04/23 10:09	04/05/23 01:51	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 01:51	1
Fluoranthene	10	U	10	0.84	ug/L		04/04/23 10:09	04/05/23 01:51	1
Fluorene	10	U	10	0.91	ug/L		04/04/23 10:09	04/05/23 01:51	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		04/04/23 10:09	04/05/23 01:51	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		04/04/23 10:09	04/05/23 01:51	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		04/04/23 10:09	04/05/23 01:51	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		04/04/23 10:09	04/05/23 01:51	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		04/04/23 10:09	04/05/23 01:51	1
Isophorone	10	U	10	0.80	ug/L		04/04/23 10:09	04/05/23 01:51	1
Naphthalene	**15**		2.0	0.54	ug/L		04/04/23 10:09	04/05/23 01:51	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		04/04/23 10:09	04/05/23 01:51	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		04/04/23 10:09	04/05/23 01:51	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		04/04/23 10:09	04/05/23 01:51	1
Pentachlorophenol	20	U	20	1.4	ug/L		04/04/23 10:09	04/05/23 01:51	1
Phenanthrene	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 01:51	1
Phenol	10	U	10	0.29	ug/L		04/04/23 10:09	04/05/23 01:51	1
Pyrene	10	U	10	1.6	ug/L		04/04/23 10:09	04/05/23 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*147*		*37 - 150*	*04/04/23 10:09*	*04/05/23 01:51*	*1*
2-Fluorobiphenyl	*93*		*46 - 139*	*04/04/23 10:09*	*04/05/23 01:51*	*1*
2-Fluorophenol (Surr)	*47*		*19 - 80*	*04/04/23 10:09*	*04/05/23 01:51*	*1*
Nitrobenzene-d5 (Surr)	*102*		*52 - 137*	*04/04/23 10:09*	*04/05/23 01:51*	*1*
Phenol-d5 (Surr)	*31*		*10 - 56*	*04/04/23 10:09*	*04/05/23 01:51*	*1*
Terphenyl-d14 (Surr)	*82*		*22 - 150*	*04/04/23 10:09*	*04/05/23 01:51*	*1*

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: DUP-X_20230330
Date Collected: 03/30/23 09:50
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			04/03/23 15:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			04/03/23 15:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/03/23 15:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			04/03/23 15:18	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			04/03/23 15:18	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			04/03/23 15:18	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			04/03/23 15:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			04/03/23 15:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			04/03/23 15:18	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			04/03/23 15:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			04/03/23 15:18	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			04/03/23 15:18	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			04/03/23 15:18	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			04/03/23 15:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			04/03/23 15:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			04/03/23 15:18	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			04/03/23 15:18	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			04/03/23 15:18	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			04/03/23 15:18	1
Acetone	5.0	U	5.0	4.4	ug/L			04/03/23 15:18	1
Benzene	**5.0**		1.0	0.20	ug/L			04/03/23 15:18	1
Bromoform	1.0	U	1.0	0.54	ug/L			04/03/23 15:18	1
Bromomethane	1.0	U	1.0	0.55	ug/L			04/03/23 15:18	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			04/03/23 15:18	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			04/03/23 15:18	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			04/03/23 15:18	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			04/03/23 15:18	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			04/03/23 15:18	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/03/23 15:18	1
Chloroform	1.0	U	1.0	0.33	ug/L			04/03/23 15:18	1
Chloromethane	1.0	U	1.0	0.40	ug/L			04/03/23 15:18	1
cis-1,2-Dichloroethene	**0.42**	**J**	1.0	0.22	ug/L			04/03/23 15:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 15:18	1
Cyclohexane	**15**		1.0	0.32	ug/L			04/03/23 15:18	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			04/03/23 15:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/03/23 15:18	1
Ethylbenzene	**6.4**		1.0	0.30	ug/L			04/03/23 15:18	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			04/03/23 15:18	1
Isopropylbenzene	**66**		1.0	0.34	ug/L			04/03/23 15:18	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			04/03/23 15:18	1
Methyl tert-butyl ether	**8.7**		1.0	0.22	ug/L			04/03/23 15:18	1
Methylcyclohexane	**13**		1.0	0.71	ug/L			04/03/23 15:18	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			04/03/23 15:18	1
m-Xylene & p-Xylene	**4.2**		1.0	0.30	ug/L			04/03/23 15:18	1
n-Butylbenzene	**3.8**		1.0	0.32	ug/L			04/03/23 15:18	1
N-Propylbenzene	**84**		1.0	0.32	ug/L			04/03/23 15:18	1
o-Xylene	**1.7**		1.0	0.36	ug/L			04/03/23 15:18	1
sec-Butylbenzene	**10**		1.0	0.37	ug/L			04/03/23 15:18	1
Styrene	1.0	U	1.0	0.42	ug/L			04/03/23 15:18	1

Client Sample ID: DUP-X_20230330

Date Collected: 03/30/23 09:50
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	**0.46**	**J**	1.0	0.34	ug/L			04/03/23 15:18	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			04/03/23 15:18	1
Toluene	**2.3**		1.0	0.38	ug/L			04/03/23 15:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/03/23 15:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 15:18	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			04/03/23 15:18	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			04/03/23 15:18	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			04/03/23 15:18	1
Xylenes, Total	**5.9**		2.0	0.65	ug/L			04/03/23 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 128*		*04/03/23 15:18*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*04/03/23 15:18*	*1*
Dibromofluoromethane (Surr)	*91*		*77 - 124*		*04/03/23 15:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/03/23 15:18*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 03:58	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 03:58	1
1,4-Dioxane	10	U	10	1.6	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,4-Dimethylphenol	**0.87**	**J**	10	0.62	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		04/04/23 10:09	04/05/23 03:58	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		04/04/23 10:09	04/05/23 03:58	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 03:58	1
2-Chlorophenol	10	U	10	0.38	ug/L		04/04/23 10:09	04/05/23 03:58	1
2-Methylnaphthalene	**0.93**	**J**	10	0.53	ug/L		04/04/23 10:09	04/05/23 03:58	1
2-Methylphenol	10	U	10	0.67	ug/L		04/04/23 10:09	04/05/23 03:58	1
2-Nitroaniline	10	U	10	0.47	ug/L		04/04/23 10:09	04/05/23 03:58	1
2-Nitrophenol	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 03:58	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		04/04/23 10:09	04/05/23 03:58	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		04/04/23 10:09	04/05/23 03:58	1
3-Nitroaniline	10	U	10	1.9	ug/L		04/04/23 10:09	04/05/23 03:58	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		04/04/23 10:09	04/05/23 03:58	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 03:58	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		04/04/23 10:09	04/05/23 03:58	1
4-Chloroaniline	10	U	10	1.9	ug/L		04/04/23 10:09	04/05/23 03:58	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 03:58	1
4-Methylphenol	10	U	10	0.65	ug/L		04/04/23 10:09	04/05/23 03:58	1
4-Nitroaniline	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 03:58	1
4-Nitrophenol	20	U	20	4.0	ug/L		04/04/23 10:09	04/05/23 03:58	1
Acenaphthene	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 03:58	1
Acenaphthylene	10	U	10	0.82	ug/L		04/04/23 10:09	04/05/23 03:58	1
Acetophenone	10	U	10	2.3	ug/L		04/04/23 10:09	04/05/23 03:58	1

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: DUP-X_20230330
Date Collected: 03/30/23 09:50
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 03:58	1
Atrazine	2.0	U	2.0	1.3	ug/L		04/04/23 10:09	04/05/23 03:58	1
Benzaldehyde	10	U	10	2.1	ug/L		04/04/23 10:09	04/05/23 03:58	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		04/04/23 10:09	04/05/23 03:58	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		04/04/23 10:09	04/05/23 03:58	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		04/04/23 10:09	04/05/23 03:58	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		04/04/23 10:09	04/05/23 03:58	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		04/04/23 10:09	04/05/23 03:58	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		04/04/23 10:09	04/05/23 03:58	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		04/04/23 10:09	04/05/23 03:58	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		04/04/23 10:09	04/05/23 03:58	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		04/04/23 10:09	04/05/23 03:58	1
Caprolactam	10	U	10	2.2	ug/L		04/04/23 10:09	04/05/23 03:58	1
Carbazole	10	U	10	0.68	ug/L		04/04/23 10:09	04/05/23 03:58	1
Chrysene	2.0	U	2.0	0.91	ug/L		04/04/23 10:09	04/05/23 03:58	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		04/04/23 10:09	04/05/23 03:58	1
Dibenzofuran	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 03:58	1
Diethyl phthalate	10	U	10	0.98	ug/L		04/04/23 10:09	04/05/23 03:58	1
Dimethyl phthalate	10	U	10	0.77	ug/L		04/04/23 10:09	04/05/23 03:58	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		04/04/23 10:09	04/05/23 03:58	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 03:58	1
Fluoranthene	10	U	10	0.84	ug/L		04/04/23 10:09	04/05/23 03:58	1
Fluorene	10	U	10	0.91	ug/L		04/04/23 10:09	04/05/23 03:58	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		04/04/23 10:09	04/05/23 03:58	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		04/04/23 10:09	04/05/23 03:58	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		04/04/23 10:09	04/05/23 03:58	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		04/04/23 10:09	04/05/23 03:58	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		04/04/23 10:09	04/05/23 03:58	1
Isophorone	10	U	10	0.80	ug/L		04/04/23 10:09	04/05/23 03:58	1
Naphthalene	**16**		2.0	0.54	ug/L		04/04/23 10:09	04/05/23 03:58	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		04/04/23 10:09	04/05/23 03:58	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		04/04/23 10:09	04/05/23 03:58	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		04/04/23 10:09	04/05/23 03:58	1
Pentachlorophenol	20	U	20	1.4	ug/L		04/04/23 10:09	04/05/23 03:58	1
Phenanthrene	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 03:58	1
Phenol	10	U	10	0.29	ug/L		04/04/23 10:09	04/05/23 03:58	1
Pyrene	10	U	10	1.6	ug/L		04/04/23 10:09	04/05/23 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*159*	*	*37 - 150*	*04/04/23 10:09*	*04/05/23 03:58*	*1*
2-Fluorobiphenyl	*96*		*46 - 139*	*04/04/23 10:09*	*04/05/23 03:58*	*1*
2-Fluorophenol (Surr)	*49*		*19 - 80*	*04/04/23 10:09*	*04/05/23 03:58*	*1*
Nitrobenzene-d5 (Surr)	*107*		*52 - 137*	*04/04/23 10:09*	*04/05/23 03:58*	*1*
Phenol-d5 (Surr)	*32*		*10 - 56*	*04/04/23 10:09*	*04/05/23 03:58*	*1*
Terphenyl-d14 (Surr)	*89*		*22 - 150*	*04/04/23 10:09*	*04/05/23 03:58*	*1*

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: MW-3_20230330
Date Collected: 03/30/23 10:15
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			04/03/23 15:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			04/03/23 15:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/03/23 15:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			04/03/23 15:38	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			04/03/23 15:38	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			04/03/23 15:38	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			04/03/23 15:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			04/03/23 15:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			04/03/23 15:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			04/03/23 15:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			04/03/23 15:38	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			04/03/23 15:38	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			04/03/23 15:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			04/03/23 15:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			04/03/23 15:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			04/03/23 15:38	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			04/03/23 15:38	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			04/03/23 15:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			04/03/23 15:38	1
Acetone	5.0	U	5.0	4.4	ug/L			04/03/23 15:38	1
Benzene	**0.34**	**J**	1.0	0.20	ug/L			04/03/23 15:38	1
Bromoform	1.0	U	1.0	0.54	ug/L			04/03/23 15:38	1
Bromomethane	1.0	U	1.0	0.55	ug/L			04/03/23 15:38	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			04/03/23 15:38	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			04/03/23 15:38	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			04/03/23 15:38	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			04/03/23 15:38	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			04/03/23 15:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/03/23 15:38	1
Chloroform	1.0	U	1.0	0.33	ug/L			04/03/23 15:38	1
Chloromethane	1.0	U	1.0	0.40	ug/L			04/03/23 15:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			04/03/23 15:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 15:38	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			04/03/23 15:38	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			04/03/23 15:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/03/23 15:38	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			04/03/23 15:38	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			04/03/23 15:38	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			04/03/23 15:38	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			04/03/23 15:38	1
Methyl tert-butyl ether	**0.82**	**J**	1.0	0.22	ug/L			04/03/23 15:38	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			04/03/23 15:38	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			04/03/23 15:38	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			04/03/23 15:38	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			04/03/23 15:38	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			04/03/23 15:38	1
o-Xylene	1.0	U	1.0	0.36	ug/L			04/03/23 15:38	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			04/03/23 15:38	1
Styrene	1.0	U	1.0	0.42	ug/L			04/03/23 15:38	1

Client Sample ID: MW-3_20230330
Date Collected: 03/30/23 10:15
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			04/03/23 15:38	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			04/03/23 15:38	1
Toluene	1.0	U	1.0	0.38	ug/L			04/03/23 15:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/03/23 15:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 15:38	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			04/03/23 15:38	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			04/03/23 15:38	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			04/03/23 15:38	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			04/03/23 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*		*04/03/23 15:38*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*04/03/23 15:38*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*04/03/23 15:38*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/03/23 15:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 02:12	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 02:12	1
1,4-Dioxane	10	U	10	1.6	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		04/04/23 10:09	04/05/23 02:12	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		04/04/23 10:09	04/05/23 02:12	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 02:12	1
2-Chlorophenol	10	U	10	0.38	ug/L		04/04/23 10:09	04/05/23 02:12	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		04/04/23 10:09	04/05/23 02:12	1
2-Methylphenol	10	U	10	0.67	ug/L		04/04/23 10:09	04/05/23 02:12	1
2-Nitroaniline	10	U	10	0.47	ug/L		04/04/23 10:09	04/05/23 02:12	1
2-Nitrophenol	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 02:12	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		04/04/23 10:09	04/05/23 02:12	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		04/04/23 10:09	04/05/23 02:12	1
3-Nitroaniline	10	U	10	1.9	ug/L		04/04/23 10:09	04/05/23 02:12	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		04/04/23 10:09	04/05/23 02:12	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 02:12	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		04/04/23 10:09	04/05/23 02:12	1
4-Chloroaniline	10	U	10	1.9	ug/L		04/04/23 10:09	04/05/23 02:12	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 02:12	1
4-Methylphenol	10	U	10	0.65	ug/L		04/04/23 10:09	04/05/23 02:12	1
4-Nitroaniline	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 02:12	1
4-Nitrophenol	20	U	20	4.0	ug/L		04/04/23 10:09	04/05/23 02:12	1
Acenaphthene	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 02:12	1
Acenaphthylene	10	U	10	0.82	ug/L		04/04/23 10:09	04/05/23 02:12	1
Acetophenone	10	U	10	2.3	ug/L		04/04/23 10:09	04/05/23 02:12	1

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: MW-3_20230330
Date Collected: 03/30/23 10:15
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 02:12	1
Atrazine	2.0	U	2.0	1.3	ug/L		04/04/23 10:09	04/05/23 02:12	1
Benzaldehyde	10	U	10	2.1	ug/L		04/04/23 10:09	04/05/23 02:12	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		04/04/23 10:09	04/05/23 02:12	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		04/04/23 10:09	04/05/23 02:12	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		04/04/23 10:09	04/05/23 02:12	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		04/04/23 10:09	04/05/23 02:12	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		04/04/23 10:09	04/05/23 02:12	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		04/04/23 10:09	04/05/23 02:12	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		04/04/23 10:09	04/05/23 02:12	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		04/04/23 10:09	04/05/23 02:12	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		04/04/23 10:09	04/05/23 02:12	1
Caprolactam	10	U	10	2.2	ug/L		04/04/23 10:09	04/05/23 02:12	1
Carbazole	10	U	10	0.68	ug/L		04/04/23 10:09	04/05/23 02:12	1
Chrysene	2.0	U	2.0	0.91	ug/L		04/04/23 10:09	04/05/23 02:12	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		04/04/23 10:09	04/05/23 02:12	1
Dibenzofuran	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 02:12	1
Diethyl phthalate	10	U	10	0.98	ug/L		04/04/23 10:09	04/05/23 02:12	1
Dimethyl phthalate	10	U	10	0.77	ug/L		04/04/23 10:09	04/05/23 02:12	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		04/04/23 10:09	04/05/23 02:12	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 02:12	1
Fluoranthene	10	U	10	0.84	ug/L		04/04/23 10:09	04/05/23 02:12	1
Fluorene	10	U	10	0.91	ug/L		04/04/23 10:09	04/05/23 02:12	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		04/04/23 10:09	04/05/23 02:12	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		04/04/23 10:09	04/05/23 02:12	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		04/04/23 10:09	04/05/23 02:12	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		04/04/23 10:09	04/05/23 02:12	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		04/04/23 10:09	04/05/23 02:12	1
Isophorone	10	U	10	0.80	ug/L		04/04/23 10:09	04/05/23 02:12	1
Naphthalene	2.0	U	2.0	0.54	ug/L		04/04/23 10:09	04/05/23 02:12	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		04/04/23 10:09	04/05/23 02:12	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		04/04/23 10:09	04/05/23 02:12	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		04/04/23 10:09	04/05/23 02:12	1
Pentachlorophenol	20	U	20	1.4	ug/L		04/04/23 10:09	04/05/23 02:12	1
Phenanthrene	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 02:12	1
Phenol	10	U	10	0.29	ug/L		04/04/23 10:09	04/05/23 02:12	1
Pyrene	10	U	10	1.6	ug/L		04/04/23 10:09	04/05/23 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*135*		*37 - 150*	*04/04/23 10:09*	*04/05/23 02:12*	*1*
2-Fluorobiphenyl	*88*		*46 - 139*	*04/04/23 10:09*	*04/05/23 02:12*	*1*
2-Fluorophenol (Surr)	*42*		*19 - 80*	*04/04/23 10:09*	*04/05/23 02:12*	*1*
Nitrobenzene-d5 (Surr)	*95*		*52 - 137*	*04/04/23 10:09*	*04/05/23 02:12*	*1*
Phenol-d5 (Surr)	*28*		*10 - 56*	*04/04/23 10:09*	*04/05/23 02:12*	*1*
Terphenyl-d14 (Surr)	*99*		*22 - 150*	*04/04/23 10:09*	*04/05/23 02:12*	*1*

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: MW-4_20230330
Date Collected: 03/30/23 11:00
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			04/03/23 15:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			04/03/23 15:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/03/23 15:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			04/03/23 15:59	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			04/03/23 15:59	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			04/03/23 15:59	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			04/03/23 15:59	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			04/03/23 15:59	1
1,2,4-Trimethylbenzene	**76**		1.0	0.37	ug/L			04/03/23 15:59	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			04/03/23 15:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			04/03/23 15:59	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			04/03/23 15:59	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			04/03/23 15:59	1
1,3,5-Trimethylbenzene	**27**		1.0	0.33	ug/L			04/03/23 15:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			04/03/23 15:59	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			04/03/23 15:59	1
2-Butanone (MEK)	**10**		5.0	1.9	ug/L			04/03/23 15:59	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			04/03/23 15:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			04/03/23 15:59	1
Acetone	**13**		5.0	4.4	ug/L			04/03/23 15:59	1
Benzene	**3.4**		1.0	0.20	ug/L			04/03/23 15:59	1
Bromoform	1.0	U	1.0	0.54	ug/L			04/03/23 15:59	1
Bromomethane	1.0	U	1.0	0.55	ug/L			04/03/23 15:59	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			04/03/23 15:59	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			04/03/23 15:59	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			04/03/23 15:59	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			04/03/23 15:59	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			04/03/23 15:59	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/03/23 15:59	1
Chloroform	1.0	U	1.0	0.33	ug/L			04/03/23 15:59	1
Chloromethane	1.0	U	1.0	0.40	ug/L			04/03/23 15:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			04/03/23 15:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 15:59	1
Cyclohexane	**68**		1.0	0.32	ug/L			04/03/23 15:59	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			04/03/23 15:59	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/03/23 15:59	1
Ethylbenzene	**93**		1.0	0.30	ug/L			04/03/23 15:59	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			04/03/23 15:59	1
Isopropylbenzene	**100**		1.0	0.34	ug/L			04/03/23 15:59	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			04/03/23 15:59	1
Methyl tert-butyl ether	**1.5**		1.0	0.22	ug/L			04/03/23 15:59	1
Methylcyclohexane	**140**		1.0	0.71	ug/L			04/03/23 15:59	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			04/03/23 15:59	1
m-Xylene & p-Xylene	**270**		1.0	0.30	ug/L			04/03/23 15:59	1
n-Butylbenzene	**13**		1.0	0.32	ug/L			04/03/23 15:59	1
N-Propylbenzene	**200**		1.0	0.32	ug/L			04/03/23 15:59	1
o-Xylene	**34**		1.0	0.36	ug/L			04/03/23 15:59	1
sec-Butylbenzene	**16**		1.0	0.37	ug/L			04/03/23 15:59	1
Styrene	1.0	U	1.0	0.42	ug/L			04/03/23 15:59	1

Client Sample ID: MW-4_20230330
Date Collected: 03/30/23 11:00
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	**1.0**		1.0	0.34	ug/L			04/03/23 15:59	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			04/03/23 15:59	1
Toluene	**1.3**		1.0	0.38	ug/L			04/03/23 15:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/03/23 15:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 15:59	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			04/03/23 15:59	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			04/03/23 15:59	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			04/03/23 15:59	1
Xylenes, Total	**300**		2.0	0.65	ug/L			04/03/23 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 128*		*04/03/23 15:59*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*04/03/23 15:59*	*1*
Dibromofluoromethane (Surr)	*90*		*77 - 124*		*04/03/23 15:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/03/23 15:59*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 02:34	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 02:34	1
1,4-Dioxane	10	U	10	1.6	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,4-Dimethylphenol	**2.4**	**J**	10	0.62	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		04/04/23 10:09	04/05/23 02:34	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		04/04/23 10:09	04/05/23 02:34	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 02:34	1
2-Chlorophenol	10	U	10	0.38	ug/L		04/04/23 10:09	04/05/23 02:34	1
2-Methylnaphthalene	**22**		10	0.53	ug/L		04/04/23 10:09	04/05/23 02:34	1
2-Methylphenol	10	U	10	0.67	ug/L		04/04/23 10:09	04/05/23 02:34	1
2-Nitroaniline	10	U	10	0.47	ug/L		04/04/23 10:09	04/05/23 02:34	1
2-Nitrophenol	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 02:34	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		04/04/23 10:09	04/05/23 02:34	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		04/04/23 10:09	04/05/23 02:34	1
3-Nitroaniline	10	U	10	1.9	ug/L		04/04/23 10:09	04/05/23 02:34	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		04/04/23 10:09	04/05/23 02:34	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 02:34	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		04/04/23 10:09	04/05/23 02:34	1
4-Chloroaniline	10	U	10	1.9	ug/L		04/04/23 10:09	04/05/23 02:34	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 02:34	1
4-Methylphenol	10	U	10	0.65	ug/L		04/04/23 10:09	04/05/23 02:34	1
4-Nitroaniline	10	U	10	1.2	ug/L		04/04/23 10:09	04/05/23 02:34	1
4-Nitrophenol	20	U	20	4.0	ug/L		04/04/23 10:09	04/05/23 02:34	1
Acenaphthene	**1.7**	**J**	10	1.1	ug/L		04/04/23 10:09	04/05/23 02:34	1
Acenaphthylene	10	U	10	0.82	ug/L		04/04/23 10:09	04/05/23 02:34	1
Acetophenone	10	U	10	2.3	ug/L		04/04/23 10:09	04/05/23 02:34	1

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: MW-4_20230330
Date Collected: 03/30/23 11:00
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	10	U	10	1.3	ug/L		04/04/23 10:09	04/05/23 02:34	1
Atrazine	2.0	U	2.0	1.3	ug/L		04/04/23 10:09	04/05/23 02:34	1
Benzaldehyde	10	U	10	2.1	ug/L		04/04/23 10:09	04/05/23 02:34	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		04/04/23 10:09	04/05/23 02:34	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		04/04/23 10:09	04/05/23 02:34	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		04/04/23 10:09	04/05/23 02:34	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		04/04/23 10:09	04/05/23 02:34	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		04/04/23 10:09	04/05/23 02:34	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		04/04/23 10:09	04/05/23 02:34	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		04/04/23 10:09	04/05/23 02:34	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		04/04/23 10:09	04/05/23 02:34	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		04/04/23 10:09	04/05/23 02:34	1
Caprolactam	10	U	10	2.2	ug/L		04/04/23 10:09	04/05/23 02:34	1
Carbazole	**1.3**	**J**	10	0.68	ug/L		04/04/23 10:09	04/05/23 02:34	1
Chrysene	2.0	U	2.0	0.91	ug/L		04/04/23 10:09	04/05/23 02:34	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		04/04/23 10:09	04/05/23 02:34	1
Dibenzofuran	10	U	10	1.1	ug/L		04/04/23 10:09	04/05/23 02:34	1
Diethyl phthalate	10	U	10	0.98	ug/L		04/04/23 10:09	04/05/23 02:34	1
Dimethyl phthalate	10	U	10	0.77	ug/L		04/04/23 10:09	04/05/23 02:34	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		04/04/23 10:09	04/05/23 02:34	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		04/04/23 10:09	04/05/23 02:34	1
Fluoranthene	10	U	10	0.84	ug/L		04/04/23 10:09	04/05/23 02:34	1
Fluorene	**1.2**	**J**	10	0.91	ug/L		04/04/23 10:09	04/05/23 02:34	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		04/04/23 10:09	04/05/23 02:34	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		04/04/23 10:09	04/05/23 02:34	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		04/04/23 10:09	04/05/23 02:34	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		04/04/23 10:09	04/05/23 02:34	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		04/04/23 10:09	04/05/23 02:34	1
Isophorone	10	U	10	0.80	ug/L		04/04/23 10:09	04/05/23 02:34	1
Naphthalene	**93**		2.0	0.54	ug/L		04/04/23 10:09	04/05/23 02:34	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		04/04/23 10:09	04/05/23 02:34	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		04/04/23 10:09	04/05/23 02:34	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		04/04/23 10:09	04/05/23 02:34	1
Pentachlorophenol	20	U	20	1.4	ug/L		04/04/23 10:09	04/05/23 02:34	1
Phenanthrene	**1.5**	**J**	10	1.3	ug/L		04/04/23 10:09	04/05/23 02:34	1
Phenol	10	U	10	0.29	ug/L		04/04/23 10:09	04/05/23 02:34	1
Pyrene	10	U	10	1.6	ug/L		04/04/23 10:09	04/05/23 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*150*		*37 - 150*	*04/04/23 10:09*	*04/05/23 02:34*	*1*
2-Fluorobiphenyl	*92*		*46 - 139*	*04/04/23 10:09*	*04/05/23 02:34*	*1*
2-Fluorophenol (Surr)	*48*		*19 - 80*	*04/04/23 10:09*	*04/05/23 02:34*	*1*
Nitrobenzene-d5 (Surr)	*102*		*52 - 137*	*04/04/23 10:09*	*04/05/23 02:34*	*1*
Phenol-d5 (Surr)	*32*		*10 - 56*	*04/04/23 10:09*	*04/05/23 02:34*	*1*
Terphenyl-d14 (Surr)	*84*		*22 - 150*	*04/04/23 10:09*	*04/05/23 02:34*	*1*

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: TB_20230330
Date Collected: 03/30/23 00:00
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			04/03/23 14:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			04/03/23 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/03/23 14:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			04/03/23 14:17	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			04/03/23 14:17	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			04/03/23 14:17	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			04/03/23 14:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			04/03/23 14:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			04/03/23 14:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			04/03/23 14:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			04/03/23 14:17	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			04/03/23 14:17	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			04/03/23 14:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			04/03/23 14:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			04/03/23 14:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			04/03/23 14:17	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			04/03/23 14:17	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			04/03/23 14:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			04/03/23 14:17	1
Acetone	5.0	U	5.0	4.4	ug/L			04/03/23 14:17	1
Benzene	1.0	U	1.0	0.20	ug/L			04/03/23 14:17	1
Bromoform	1.0	U	1.0	0.54	ug/L			04/03/23 14:17	1
Bromomethane	1.0	U	1.0	0.55	ug/L			04/03/23 14:17	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			04/03/23 14:17	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			04/03/23 14:17	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			04/03/23 14:17	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			04/03/23 14:17	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			04/03/23 14:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/03/23 14:17	1
Chloroform	1.0	U	1.0	0.33	ug/L			04/03/23 14:17	1
Chloromethane	1.0	U	1.0	0.40	ug/L			04/03/23 14:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			04/03/23 14:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 14:17	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			04/03/23 14:17	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			04/03/23 14:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/03/23 14:17	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			04/03/23 14:17	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			04/03/23 14:17	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			04/03/23 14:17	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			04/03/23 14:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			04/03/23 14:17	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			04/03/23 14:17	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			04/03/23 14:17	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			04/03/23 14:17	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			04/03/23 14:17	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			04/03/23 14:17	1
o-Xylene	1.0	U	1.0	0.36	ug/L			04/03/23 14:17	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			04/03/23 14:17	1
Styrene	1.0	U	1.0	0.42	ug/L			04/03/23 14:17	1

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Client Sample ID: TB_20230330
Date Collected: 03/30/23 00:00
Date Received: 03/30/23 17:00

Lab Sample ID: 460-277400-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			04/03/23 14:17	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			04/03/23 14:17	1
Toluene	1.0	U	1.0	0.38	ug/L			04/03/23 14:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/03/23 14:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 14:17	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			04/03/23 14:17	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			04/03/23 14:17	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			04/03/23 14:17	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			04/03/23 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*		*04/03/23 14:17*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*04/03/23 14:17*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*04/03/23 14:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/03/23 14:17*	*1*

Surrogate Summary

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-124)	(80-120)
460-277400-1	MW-1_20230330	99	105	96	98
460-277400-2	DUP-X_20230330	96	107	91	99
460-277400-3	MW-3_20230330	97	106	99	98
460-277400-4	MW-4_20230330	107	106	90	101
460-277400-5	TB_20230330	98	106	100	99
460-277404-A-4 MS	Matrix Spike	98	106	101	98
460-277404-A-4 MSD	Matrix Spike Duplicate	97	106	100	98
LCS 460-901008/4	Lab Control Sample	98	107	100	99
MB 460-901008/9	Method Blank	101	103	101	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(19-80)	(52-137)	(10-56)	(22-150)
460-277400-1	MW-1_20230330	147	93	47	102	31	82
460-277400-2	DUP-X_20230330	159 *	96	49	107	32	89
460-277400-3	MW-3_20230330	135	88	42	95	28	99
460-277400-4	MW-4_20230330	150	92	48	102	32	84
LCS 460-901239/2-A	Lab Control Sample	141	89	41	88	28	105
LCSD 460-901239/3-A	Lab Control Sample Dup	147	90	40	86	27	103
MB 460-901239/1-A	Method Blank	137	95	45	100	29	107

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-901008/9
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			04/03/23 08:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			04/03/23 08:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/03/23 08:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			04/03/23 08:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			04/03/23 08:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			04/03/23 08:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			04/03/23 08:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			04/03/23 08:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			04/03/23 08:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			04/03/23 08:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			04/03/23 08:32	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			04/03/23 08:32	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			04/03/23 08:32	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			04/03/23 08:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			04/03/23 08:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			04/03/23 08:32	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			04/03/23 08:32	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			04/03/23 08:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			04/03/23 08:32	1
Acetone	5.0	U	5.0	4.4	ug/L			04/03/23 08:32	1
Benzene	1.0	U	1.0	0.20	ug/L			04/03/23 08:32	1
Bromoform	1.0	U	1.0	0.54	ug/L			04/03/23 08:32	1
Bromomethane	1.0	U	1.0	0.55	ug/L			04/03/23 08:32	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			04/03/23 08:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			04/03/23 08:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			04/03/23 08:32	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			04/03/23 08:32	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			04/03/23 08:32	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/03/23 08:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			04/03/23 08:32	1
Chloromethane	1.0	U	1.0	0.40	ug/L			04/03/23 08:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			04/03/23 08:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 08:32	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			04/03/23 08:32	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			04/03/23 08:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			04/03/23 08:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			04/03/23 08:32	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			04/03/23 08:32	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			04/03/23 08:32	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			04/03/23 08:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			04/03/23 08:32	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			04/03/23 08:32	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			04/03/23 08:32	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			04/03/23 08:32	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			04/03/23 08:32	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			04/03/23 08:32	1
o-Xylene	1.0	U	1.0	0.36	ug/L			04/03/23 08:32	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			04/03/23 08:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-901008/9
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.42	ug/L			04/03/23 08:32	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			04/03/23 08:32	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			04/03/23 08:32	1
Toluene	1.0	U	1.0	0.38	ug/L			04/03/23 08:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/03/23 08:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			04/03/23 08:32	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			04/03/23 08:32	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			04/03/23 08:32	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			04/03/23 08:32	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			04/03/23 08:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*		*04/03/23 08:32*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*04/03/23 08:32*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*04/03/23 08:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/03/23 08:32*	*1*

Lab Sample ID: LCS 460-901008/4
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	20.5		ug/L		102	68 - 128
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		93	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.2		ug/L		91	51 - 142
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	74 - 125
1,1-Dichloroethane	20.0	19.8		ug/L		99	73 - 130
1,1-Dichloroethene	20.0	20.1		ug/L		101	68 - 133
1,2,3-Trichlorobenzene	20.0	21.7		ug/L		108	56 - 144
1,2,4-Trichlorobenzene	20.0	21.0		ug/L		105	67 - 132
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		95	75 - 125
1,2-Dibromo-3-Chloropropane	20.0	14.7		ug/L		74	58 - 132
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120
1,2-Dichloroethane	20.0	20.7		ug/L		103	66 - 129
1,2-Dichloropropane	20.0	19.7		ug/L		98	68 - 128
1,3,5-Trimethylbenzene	20.0	19.3		ug/L		97	75 - 125
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
1,4-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120
2-Butanone (MEK)	100	101		ug/L		101	61 - 128
2-Hexanone	100	76.5		ug/L		77	61 - 134
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	69 - 128
Acetone	100	103		ug/L		103	61 - 134
Benzene	20.0	20.3		ug/L		102	71 - 126
Bromoform	20.0	15.5		ug/L		77	48 - 144
Bromomethane	20.0	21.3		ug/L		107	32 - 150
Carbon disulfide	20.0	19.4		ug/L		97	64 - 138
Carbon tetrachloride	20.0	19.4		ug/L		97	61 - 131
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-901008/4
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	20.0	20.8		ug/L		104	67 - 126
Chlorodibromomethane	20.0	17.3		ug/L		86	62 - 130
Chloroethane	20.0	20.2		ug/L		101	42 - 150
Chloroform	20.0	20.8		ug/L		104	78 - 125
Chloromethane	20.0	19.1		ug/L		95	43 - 150
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	78 - 121
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	74 - 125
Cyclohexane	20.0	17.8		ug/L		89	60 - 133
Dichlorobromomethane	20.0	18.2		ug/L		91	76 - 121
Dichlorodifluoromethane	20.0	12.2		ug/L		61	33 - 150
Ethylbenzene	20.0	20.8		ug/L		104	78 - 120
Ethylene Dibromide	20.0	19.6		ug/L		98	79 - 126
Isopropylbenzene	20.0	21.1		ug/L		106	79 - 125
Methyl acetate	40.0	39.3		ug/L		98	55 - 146
Methyl tert-butyl ether	20.0	20.0		ug/L		100	72 - 131
Methylcyclohexane	20.0	16.5		ug/L		82	54 - 139
Methylene Chloride	20.0	19.5		ug/L		97	74 - 127
m-Xylene & p-Xylene	20.0	20.9		ug/L		105	78 - 120
n-Butylbenzene	20.0	20.0		ug/L		100	69 - 135
N-Propylbenzene	20.0	19.3		ug/L		97	68 - 129
o-Xylene	20.0	20.4		ug/L		102	78 - 120
sec-Butylbenzene	20.0	19.6		ug/L		98	73 - 129
Styrene	20.0	19.8		ug/L		99	75 - 127
tert-Butylbenzene	20.0	18.8		ug/L		94	72 - 124
Tetrachloroethene	20.0	21.8		ug/L		109	70 - 127
Toluene	20.0	19.9		ug/L		100	78 - 120
trans-1,2-Dichloroethene	20.0	19.9		ug/L		100	74 - 126
trans-1,3-Dichloropropene	20.0	17.9		ug/L		90	66 - 127
Trichloroethene	20.0	18.9		ug/L		95	71 - 121
Trichlorofluoromethane	20.0	17.6		ug/L		88	50 - 150
Vinyl chloride	20.0	18.9		ug/L		94	55 - 144
Xylenes, Total	40.0	41.3		ug/L		103	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*107*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 460-277404-A-4 MS
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	20.0	21.2		ug/L		106	68 - 128
1,1,2,2-Tetrachloroethane	1.0	U	20.0	18.9		ug/L		95	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	21.7		ug/L		108	51 - 142
1,1,2-Trichloroethane	1.0	U	20.0	18.8		ug/L		94	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-277404-A-4 MS
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	1.0	U	20.0	20.4		ug/L		102	73 - 130
1,1-Dichloroethene	1.0	U	20.0	21.0		ug/L		105	68 - 133
1,2,3-Trichlorobenzene	1.0	U	20.0	21.1		ug/L		106	56 - 144
1,2,4-Trichlorobenzene	1.0	U	20.0	20.5		ug/L		102	67 - 132
1,2,4-Trimethylbenzene	1.0	U	20.0	19.3		ug/L		96	75 - 125
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	15.7		ug/L		79	58 - 132
1,2-Dichlorobenzene	1.0	U	20.0	20.5		ug/L		103	80 - 120
1,2-Dichloroethane	1.0	U	20.0	20.7		ug/L		104	66 - 129
1,2-Dichloropropane	1.0	U	20.0	20.1		ug/L		101	68 - 128
1,3,5-Trimethylbenzene	1.0	U	20.0	19.2		ug/L		96	75 - 125
1,3-Dichlorobenzene	1.0	U	20.0	20.2		ug/L		101	80 - 120
1,4-Dichlorobenzene	1.0	U	20.0	20.3		ug/L		101	80 - 120
2-Butanone (MEK)	5.0	U	100	104		ug/L		104	61 - 128
2-Hexanone	5.0	U	100	84.7		ug/L		85	61 - 134
4-Methyl-2-pentanone (MIBK)	5.0	U	100	113		ug/L		113	69 - 128
Acetone	5.0	U	100	104		ug/L		104	61 - 134
Benzene	1.0	U	20.0	20.5		ug/L		102	71 - 126
Bromoform	1.0	U	20.0	14.5		ug/L		73	48 - 144
Bromomethane	1.0	U	20.0	20.5		ug/L		102	32 - 150
Carbon disulfide	1.0	U	20.0	19.5		ug/L		97	64 - 138
Carbon tetrachloride	1.0	U	20.0	19.8		ug/L		99	61 - 131
Chlorobenzene	2.1		20.0	22.2		ug/L		100	80 - 120
Chlorobromomethane	1.0	U	20.0	20.9		ug/L		104	67 - 126
Chlorodibromomethane	1.0	U	20.0	16.2		ug/L		81	62 - 130
Chloroethane	1.0	U	20.0	20.6		ug/L		103	42 - 150
Chloroform	1.0	U	20.0	21.1		ug/L		105	78 - 125
Chloromethane	1.0	U	20.0	19.1		ug/L		96	43 - 150
cis-1,2-Dichloroethene	1.0	U	20.0	20.8		ug/L		104	78 - 121
cis-1,3-Dichloropropene	1.0	U	20.0	18.1		ug/L		91	74 - 125
Cyclohexane	1.0	U	20.0	20.6		ug/L		103	60 - 133
Dichlorobromomethane	1.0	U	20.0	17.7		ug/L		88	76 - 121
Dichlorodifluoromethane	1.0	U	20.0	17.5		ug/L		88	33 - 150
Ethylbenzene	1.0	U	20.0	20.7		ug/L		103	78 - 120
Ethylene Dibromide	1.0	U	20.0	19.3		ug/L		97	79 - 126
Isopropylbenzene	1.0	U	20.0	21.2		ug/L		106	79 - 125
Methyl acetate	5.0	U	40.0	67.1	*	ug/L		168	55 - 146
Methyl tert-butyl ether	1.0	U	20.0	20.8		ug/L		104	72 - 131
Methylcyclohexane	1.0	U	20.0	20.0		ug/L		100	54 - 139
Methylene Chloride	1.0	U	20.0	20.2		ug/L		101	74 - 127
m-Xylene & p-Xylene	1.0	U	20.0	21.0		ug/L		105	78 - 120
n-Butylbenzene	1.0	U	20.0	20.0		ug/L		100	69 - 135
N-Propylbenzene	1.0	U	20.0	19.7		ug/L		99	68 - 129
o-Xylene	1.0	U	20.0	20.2		ug/L		101	78 - 120
sec-Butylbenzene	1.0	U	20.0	19.8		ug/L		99	73 - 129
Styrene	1.0	U	20.0	18.8		ug/L		94	75 - 127
tert-Butylbenzene	1.0	U	20.0	19.3		ug/L		96	72 - 124
Tetrachloroethene	1.0	U	20.0	21.9		ug/L		110	70 - 127
Toluene	1.0	U	20.0	20.0		ug/L		100	78 - 120
trans-1,2-Dichloroethene	1.0	U	20.0	21.3		ug/L		107	74 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-277404-A-4 MS
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	1.0	U	20.0	17.3		ug/L		86	66 - 127
Trichloroethene	1.0	U	20.0	19.9		ug/L		100	71 - 121
Trichlorofluoromethane	1.0	U	20.0	19.0		ug/L		95	50 - 150
Vinyl chloride	1.0	U	20.0	20.1		ug/L		100	55 - 144
Xylenes, Total	2.0	U	40.0	41.2		ug/L		103	78 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 460-277404-A-4 MSD
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	22.7		ug/L		113	68 - 128	7	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	20.9		ug/L		104	63 - 139	10	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	23.1		ug/L		116	51 - 142	6	30
1,1,2-Trichloroethane	1.0	U	20.0	20.9		ug/L		104	74 - 125	10	30
1,1-Dichloroethane	1.0	U	20.0	21.9		ug/L		109	73 - 130	7	30
1,1-Dichloroethene	1.0	U	20.0	22.6		ug/L		113	68 - 133	8	30
1,2,3-Trichlorobenzene	1.0	U	20.0	24.1		ug/L		121	56 - 144	13	30
1,2,4-Trichlorobenzene	1.0	U	20.0	22.8		ug/L		114	67 - 132	11	30
1,2,4-Trimethylbenzene	1.0	U	20.0	20.9		ug/L		105	75 - 125	8	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	17.3		ug/L		87	58 - 132	10	30
1,2-Dichlorobenzene	1.0	U	20.0	22.3		ug/L		112	80 - 120	8	30
1,2-Dichloroethane	1.0	U	20.0	22.7		ug/L		113	66 - 129	9	30
1,2-Dichloropropane	1.0	U	20.0	21.5		ug/L		108	68 - 128	7	30
1,3,5-Trimethylbenzene	1.0	U	20.0	20.8		ug/L		104	75 - 125	8	30
1,3-Dichlorobenzene	1.0	U	20.0	22.3		ug/L		111	80 - 120	10	30
1,4-Dichlorobenzene	1.0	U	20.0	22.3		ug/L		112	80 - 120	10	30
2-Butanone (MEK)	5.0	U	100	111		ug/L		111	61 - 128	7	30
2-Hexanone	5.0	U	100	93.0		ug/L		93	61 - 134	9	30
4-Methyl-2-pentanone (MIBK)	5.0	U	100	123		ug/L		123	69 - 128	8	30
Acetone	5.0	U	100	115		ug/L		115	61 - 134	9	30
Benzene	1.0	U	20.0	22.2		ug/L		111	71 - 126	8	30
Bromoform	1.0	U	20.0	16.0		ug/L		80	48 - 144	10	30
Bromomethane	1.0	U	20.0	21.0		ug/L		105	32 - 150	2	30
Carbon disulfide	1.0	U	20.0	20.4		ug/L		102	64 - 138	5	30
Carbon tetrachloride	1.0	U	20.0	21.5		ug/L		108	61 - 131	8	30
Chlorobenzene	2.1		20.0	24.2		ug/L		111	80 - 120	9	30
Chlorobromomethane	1.0	U	20.0	22.4		ug/L		112	67 - 126	7	30
Chlorodibromomethane	1.0	U	20.0	18.4		ug/L		92	62 - 130	13	30
Chloroethane	1.0	U	20.0	20.8		ug/L		104	42 - 150	1	30
Chloroform	1.0	U	20.0	22.8		ug/L		114	78 - 125	8	30
Chloromethane	1.0	U	20.0	20.3		ug/L		101	43 - 150	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-277404-A-4 MSD
Matrix: Water
Analysis Batch: 901008

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	1.0	U	20.0	22.2		ug/L		111	78 - 121	6	30
cis-1,3-Dichloropropene	1.0	U	20.0	20.3		ug/L		102	74 - 125	12	30
Cyclohexane	1.0	U	20.0	22.0		ug/L		110	60 - 133	7	30
Dichlorobromomethane	1.0	U	20.0	19.6		ug/L		98	76 - 121	10	30
Dichlorodifluoromethane	1.0	U	20.0	18.9		ug/L		94	33 - 150	7	30
Ethylbenzene	1.0	U	20.0	22.2		ug/L		111	78 - 120	7	30
Ethylene Dibromide	1.0	U	20.0	21.3		ug/L		107	79 - 126	10	30
Isopropylbenzene	1.0	U	20.0	22.9		ug/L		115	79 - 125	8	30
Methyl acetate	5.0	U	40.0	70.9	*	ug/L		177	55 - 146	6	30
Methyl tert-butyl ether	1.0	U	20.0	22.8		ug/L		114	72 - 131	9	30
Methylcyclohexane	1.0	U	20.0	21.1		ug/L		105	54 - 139	5	30
Methylene Chloride	1.0	U	20.0	21.4		ug/L		107	74 - 127	5	30
m-Xylene & p-Xylene	1.0	U	20.0	22.6		ug/L		113	78 - 120	8	30
n-Butylbenzene	1.0	U	20.0	21.6		ug/L		108	69 - 135	8	30
N-Propylbenzene	1.0	U	20.0	21.5		ug/L		107	68 - 129	8	30
o-Xylene	1.0	U	20.0	21.8		ug/L		109	78 - 120	8	30
sec-Butylbenzene	1.0	U	20.0	21.7		ug/L		108	73 - 129	9	30
Styrene	1.0	U	20.0	20.6		ug/L		103	75 - 127	9	30
tert-Butylbenzene	1.0	U	20.0	21.3		ug/L		106	72 - 124	10	30
Tetrachloroethene	1.0	U	20.0	23.9		ug/L		119	70 - 127	8	30
Toluene	1.0	U	20.0	22.0		ug/L		110	78 - 120	10	30
trans-1,2-Dichloroethene	1.0	U	20.0	22.5		ug/L		112	74 - 126	5	30
trans-1,3-Dichloropropene	1.0	U	20.0	18.9		ug/L		94	66 - 127	9	30
Trichloroethene	1.0	U	20.0	21.7		ug/L		108	71 - 121	8	30
Trichlorofluoromethane	1.0	U	20.0	19.2		ug/L		96	50 - 150	1	30
Vinyl chloride	1.0	U	20.0	20.3		ug/L		102	55 - 144	1	30
Xylenes, Total	2.0	U	40.0	44.5		ug/L		111	78 - 120	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-901239/1-A
Matrix: Water
Analysis Batch: 901346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 901239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		04/04/23 10:04	04/04/23 20:14	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		04/04/23 10:04	04/04/23 20:14	1
1,4-Dioxane	10	U	10	1.6	ug/L		04/04/23 10:04	04/04/23 20:14	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		04/04/23 10:04	04/04/23 20:14	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		04/04/23 10:04	04/04/23 20:14	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		04/04/23 10:04	04/04/23 20:14	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		04/04/23 10:04	04/04/23 20:14	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		04/04/23 10:04	04/04/23 20:14	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-901239/1-A
Matrix: Water
Analysis Batch: 901346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 901239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	10	U	10	0.62	ug/L		04/04/23 10:04	04/04/23 20:14	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		04/04/23 10:04	04/04/23 20:14	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		04/04/23 10:04	04/04/23 20:14	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		04/04/23 10:04	04/04/23 20:14	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		04/04/23 10:04	04/04/23 20:14	1
2-Chlorophenol	10	U	10	0.38	ug/L		04/04/23 10:04	04/04/23 20:14	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		04/04/23 10:04	04/04/23 20:14	1
2-Methylphenol	10	U	10	0.67	ug/L		04/04/23 10:04	04/04/23 20:14	1
2-Nitroaniline	10	U	10	0.47	ug/L		04/04/23 10:04	04/04/23 20:14	1
2-Nitrophenol	10	U	10	0.75	ug/L		04/04/23 10:04	04/04/23 20:14	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		04/04/23 10:04	04/04/23 20:14	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		04/04/23 10:04	04/04/23 20:14	1
3-Nitroaniline	10	U	10	1.9	ug/L		04/04/23 10:04	04/04/23 20:14	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		04/04/23 10:04	04/04/23 20:14	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		04/04/23 10:04	04/04/23 20:14	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		04/04/23 10:04	04/04/23 20:14	1
4-Chloroaniline	10	U	10	1.9	ug/L		04/04/23 10:04	04/04/23 20:14	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		04/04/23 10:04	04/04/23 20:14	1
4-Methylphenol	10	U	10	0.65	ug/L		04/04/23 10:04	04/04/23 20:14	1
4-Nitroaniline	10	U	10	1.2	ug/L		04/04/23 10:04	04/04/23 20:14	1
4-Nitrophenol	20	U	20	4.0	ug/L		04/04/23 10:04	04/04/23 20:14	1
Acenaphthene	10	U	10	1.1	ug/L		04/04/23 10:04	04/04/23 20:14	1
Acenaphthylene	10	U	10	0.82	ug/L		04/04/23 10:04	04/04/23 20:14	1
Acetophenone	10	U	10	2.3	ug/L		04/04/23 10:04	04/04/23 20:14	1
Anthracene	10	U	10	1.3	ug/L		04/04/23 10:04	04/04/23 20:14	1
Atrazine	2.0	U	2.0	1.3	ug/L		04/04/23 10:04	04/04/23 20:14	1
Benzaldehyde	10	U	10	2.1	ug/L		04/04/23 10:04	04/04/23 20:14	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		04/04/23 10:04	04/04/23 20:14	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		04/04/23 10:04	04/04/23 20:14	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		04/04/23 10:04	04/04/23 20:14	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		04/04/23 10:04	04/04/23 20:14	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		04/04/23 10:04	04/04/23 20:14	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		04/04/23 10:04	04/04/23 20:14	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		04/04/23 10:04	04/04/23 20:14	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		04/04/23 10:04	04/04/23 20:14	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		04/04/23 10:04	04/04/23 20:14	1
Caprolactam	10	U	10	2.2	ug/L		04/04/23 10:04	04/04/23 20:14	1
Carbazole	10	U	10	0.68	ug/L		04/04/23 10:04	04/04/23 20:14	1
Chrysene	2.0	U	2.0	0.91	ug/L		04/04/23 10:04	04/04/23 20:14	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		04/04/23 10:04	04/04/23 20:14	1
Dibenzofuran	10	U	10	1.1	ug/L		04/04/23 10:04	04/04/23 20:14	1
Diethyl phthalate	10	U	10	0.98	ug/L		04/04/23 10:04	04/04/23 20:14	1
Dimethyl phthalate	10	U	10	0.77	ug/L		04/04/23 10:04	04/04/23 20:14	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		04/04/23 10:04	04/04/23 20:14	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		04/04/23 10:04	04/04/23 20:14	1
Fluoranthene	10	U	10	0.84	ug/L		04/04/23 10:04	04/04/23 20:14	1
Fluorene	10	U	10	0.91	ug/L		04/04/23 10:04	04/04/23 20:14	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		04/04/23 10:04	04/04/23 20:14	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		04/04/23 10:04	04/04/23 20:14	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-901239/1-A
Matrix: Water
Analysis Batch: 901346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 901239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		04/04/23 10:04	04/04/23 20:14	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		04/04/23 10:04	04/04/23 20:14	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		04/04/23 10:04	04/04/23 20:14	1
Isophorone	10	U	10	0.80	ug/L		04/04/23 10:04	04/04/23 20:14	1
Naphthalene	2.0	U	2.0	0.54	ug/L		04/04/23 10:04	04/04/23 20:14	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		04/04/23 10:04	04/04/23 20:14	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		04/04/23 10:04	04/04/23 20:14	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		04/04/23 10:04	04/04/23 20:14	1
Pentachlorophenol	20	U	20	1.4	ug/L		04/04/23 10:04	04/04/23 20:14	1
Phenanthrene	10	U	10	1.3	ug/L		04/04/23 10:04	04/04/23 20:14	1
Phenol	10	U	10	0.29	ug/L		04/04/23 10:04	04/04/23 20:14	1
Pyrene	10	U	10	1.6	ug/L		04/04/23 10:04	04/04/23 20:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*137*		*37 - 150*	*04/04/23 10:04*	*04/04/23 20:14*	*1*
2-Fluorobiphenyl	*95*		*46 - 139*	*04/04/23 10:04*	*04/04/23 20:14*	*1*
2-Fluorophenol (Surr)	*45*		*19 - 80*	*04/04/23 10:04*	*04/04/23 20:14*	*1*
Nitrobenzene-d5 (Surr)	*100*		*52 - 137*	*04/04/23 10:04*	*04/04/23 20:14*	*1*
Phenol-d5 (Surr)	*29*		*10 - 56*	*04/04/23 10:04*	*04/04/23 20:14*	*1*
Terphenyl-d14 (Surr)	*107*		*22 - 150*	*04/04/23 10:04*	*04/04/23 20:14*	*1*

Lab Sample ID: LCS 460-901239/2-A
Matrix: Water
Analysis Batch: 901346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 901239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	71.1		ug/L		89	53 - 120
1,2,4,5-Tetrachlorobenzene	80.0	70.9		ug/L		89	46 - 117
1,4-Dioxane	80.0	35.5		ug/L		44	26 - 120
2,2'-oxybis[1-chloropropane]	80.0	54.6		ug/L		68	37 - 120
2,3,4,6-Tetrachlorophenol	80.0	87.0		ug/L		109	54 - 122
2,4,5-Trichlorophenol	80.0	83.1		ug/L		104	58 - 120
2,4,6-Trichlorophenol	80.0	83.8		ug/L		105	61 - 120
2,4-Dichlorophenol	80.0	70.2		ug/L		88	65 - 120
2,4-Dimethylphenol	80.0	64.3		ug/L		80	62 - 120
2,4-Dinitrophenol	160	156		ug/L		97	36 - 150
2,4-Dinitrotoluene	80.0	89.2		ug/L		112	68 - 134
2,6-Dinitrotoluene	80.0	89.5		ug/L		112	65 - 124
2-Chloronaphthalene	80.0	71.5		ug/L		89	52 - 120
2-Chlorophenol	80.0	58.2		ug/L		73	53 - 120
2-Methylnaphthalene	80.0	62.3		ug/L		78	44 - 120
2-Methylphenol	80.0	48.9		ug/L		61	44 - 120
2-Nitroaniline	80.0	68.8		ug/L		86	49 - 120
2-Nitrophenol	80.0	78.2		ug/L		98	60 - 125
3 & 4 Methylphenol	80.0	45.8		ug/L		57	35 - 120
3,3'-Dichlorobenzidine	80.0	70.2		ug/L		88	37 - 137
3-Nitroaniline	80.0	72.7		ug/L		91	40 - 120
4,6-Dinitro-2-methylphenol	160	185		ug/L		115	59 - 135

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-901239/2-A
Matrix: Water
Analysis Batch: 901346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 901239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Bromophenyl phenyl ether	80.0	86.6		ug/L		108	62 - 125
4-Chloro-3-methylphenol	80.0	71.8		ug/L		90	61 - 120
4-Chloroaniline	80.0	72.0		ug/L		90	29 - 127
4-Chlorophenyl phenyl ether	80.0	79.8		ug/L		100	59 - 122
4-Methylphenol	80.0	45.7		ug/L		57	33 - 120
4-Nitroaniline	80.0	72.2		ug/L		90	45 - 120
4-Nitrophenol	160	45.3		ug/L		28	12 - 120
Acenaphthene	80.0	74.0		ug/L		92	49 - 120
Acenaphthylene	80.0	69.3		ug/L		87	60 - 120
Acetophenone	80.0	67.1		ug/L		84	62 - 120
Anthracene	80.0	76.6		ug/L		96	65 - 120
Atrazine	40.0	38.1		ug/L		95	43 - 150
Benzaldehyde	40.0	28.6		ug/L		71	41 - 150
Benzo[a]anthracene	80.0	81.9		ug/L		102	63 - 120
Benzo[a]pyrene	80.0	75.4		ug/L		94	60 - 139
Benzo[b]fluoranthene	80.0	81.8		ug/L		102	66 - 125
Benzo[g,h,i]perylene	80.0	85.5		ug/L		107	59 - 136
Benzo[k]fluoranthene	80.0	79.4		ug/L		99	64 - 125
Bis(2-chloroethoxy)methane	80.0	69.5		ug/L		87	64 - 120
Bis(2-chloroethyl)ether	80.0	63.6		ug/L		80	63 - 120
Bis(2-ethylhexyl) phthalate	80.0	85.3		ug/L		107	60 - 132
Butyl benzyl phthalate	80.0	90.8		ug/L		113	58 - 132
Caprolactam	40.0	7.93	J	ug/L		20	10 - 120
Carbazole	80.0	75.2		ug/L		94	65 - 120
Chrysene	80.0	76.7		ug/L		96	63 - 120
Dibenz(a,h)anthracene	80.0	90.7		ug/L		113	62 - 140
Dibenzofuran	80.0	76.5		ug/L		96	58 - 120
Diethyl phthalate	80.0	83.6		ug/L		105	53 - 129
Dimethyl phthalate	80.0	83.1		ug/L		104	60 - 124
Di-n-butyl phthalate	80.0	79.8		ug/L		100	59 - 133
Di-n-octyl phthalate	80.0	73.8		ug/L		92	49 - 135
Fluoranthene	80.0	77.2		ug/L		96	65 - 123
Fluorene	80.0	77.1		ug/L		96	58 - 120
Hexachlorobenzene	80.0	84.8		ug/L		106	61 - 128
Hexachlorobutadiene	80.0	60.5		ug/L		76	27 - 127
Hexachlorocyclopentadiene	80.0	61.4		ug/L		77	24 - 123
Hexachloroethane	80.0	48.9		ug/L		61	26 - 120
Indeno[1,2,3-cd]pyrene	80.0	96.1		ug/L		120	59 - 137
Isophorone	80.0	72.5		ug/L		91	68 - 121
Naphthalene	80.0	62.7		ug/L		78	51 - 120
Nitrobenzene	80.0	70.9		ug/L		89	64 - 120
N-Nitrosodi-n-propylamine	80.0	67.4		ug/L		84	60 - 120
N-Nitrosodiphenylamine	80.0	77.3		ug/L		97	63 - 120
Pentachlorophenol	160	182		ug/L		114	24 - 131
Phenanthrene	80.0	75.6		ug/L		95	65 - 120
Phenol	80.0	28.7		ug/L		36	18 - 120
Pyrene	80.0	84.7		ug/L		106	51 - 124

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-901239/2-A
Matrix: Water
Analysis Batch: 901346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 901239

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*141*		*37 - 150*
2-Fluorobiphenyl	*89*		*46 - 139*
2-Fluorophenol (Surr)	*41*		*19 - 80*
Nitrobenzene-d5 (Surr)	*88*		*52 - 137*
Phenol-d5 (Surr)	*28*		*10 - 56*
Terphenyl-d14 (Surr)	*105*		*22 - 150*

Lab Sample ID: LCSD 460-901239/3-A
Matrix: Water
Analysis Batch: 901346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 901239

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			80.0	72.0		ug/L		90	53 - 120	1	30
1,2,4,5-Tetrachlorobenzene			80.0	71.3		ug/L		89	46 - 117	1	30
1,4-Dioxane			80.0	33.5		ug/L		42	26 - 120	6	30
2,2'-oxybis[1-chloropropane]			80.0	53.5		ug/L		67	37 - 120	2	30
2,3,4,6-Tetrachlorophenol			80.0	90.6		ug/L		113	54 - 122	4	30
2,4,5-Trichlorophenol			80.0	82.4		ug/L		103	58 - 120	1	30
2,4,6-Trichlorophenol			80.0	87.3		ug/L		109	61 - 120	4	30
2,4-Dichlorophenol			80.0	70.8		ug/L		89	65 - 120	1	30
2,4-Dimethylphenol			80.0	64.9		ug/L		81	62 - 120	1	30
2,4-Dinitrophenol			160	164		ug/L		102	36 - 150	5	30
2,4-Dinitrotoluene			80.0	89.5		ug/L		112	68 - 134	0	30
2,6-Dinitrotoluene			80.0	91.2		ug/L		114	65 - 124	2	30
2-Chloronaphthalene			80.0	72.1		ug/L		90	52 - 120	1	30
2-Chlorophenol			80.0	56.4		ug/L		71	53 - 120	3	30
2-Methylnaphthalene			80.0	61.8		ug/L		77	44 - 120	1	30
2-Methylphenol			80.0	48.9		ug/L		61	44 - 120	0	30
2-Nitroaniline			80.0	80.7		ug/L		101	49 - 120	16	30
2-Nitrophenol			80.0	80.3		ug/L		100	60 - 125	3	30
3 & 4 Methylphenol			80.0	45.0		ug/L		56	35 - 120	2	30
3,3'-Dichlorobenzidine			80.0	71.8		ug/L		90	37 - 137	2	30
3-Nitroaniline			80.0	76.8		ug/L		96	40 - 120	5	30
4,6-Dinitro-2-methylphenol			160	185		ug/L		116	59 - 135	0	30
4-Bromophenyl phenyl ether			80.0	86.9		ug/L		109	62 - 125	0	30
4-Chloro-3-methylphenol			80.0	71.2		ug/L		89	61 - 120	1	30
4-Chloroaniline			80.0	69.1		ug/L		86	29 - 127	4	30
4-Chlorophenyl phenyl ether			80.0	82.6		ug/L		103	59 - 122	3	30
4-Methylphenol			80.0	45.1		ug/L		56	33 - 120	1	30
4-Nitroaniline			80.0	77.5		ug/L		97	45 - 120	7	30
4-Nitrophenol			160	49.2		ug/L		31	12 - 120	8	30
Acenaphthene			80.0	74.2		ug/L		93	49 - 120	0	30
Acenaphthylene			80.0	71.0		ug/L		89	60 - 120	2	30
Acetophenone			80.0	65.8		ug/L		82	62 - 120	2	30
Anthracene			80.0	75.6		ug/L		94	65 - 120	1	30
Atrazine			40.0	39.7		ug/L		99	43 - 150	4	30
Benzaldehyde			40.0	27.2		ug/L		68	41 - 150	5	30
Benzo[a]anthracene			80.0	81.5		ug/L		102	63 - 120	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-901239/3-A
Matrix: Water
Analysis Batch: 901346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 901239

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene			80.0	77.3		ug/L		97	60 - 139	2	30
Benzo[b]fluoranthene			80.0	81.9		ug/L		102	66 - 125	0	30
Benzo[g,h,i]perylene			80.0	85.1		ug/L		106	59 - 136	0	30
Benzo[k]fluoranthene			80.0	80.1		ug/L		100	64 - 125	1	30
Bis(2-chloroethoxy)methane			80.0	69.5		ug/L		87	64 - 120	0	30
Bis(2-chloroethyl)ether			80.0	62.4		ug/L		78	63 - 120	2	30
Bis(2-ethylhexyl) phthalate			80.0	84.9		ug/L		106	60 - 132	0	30
Butyl benzyl phthalate			80.0	89.6		ug/L		112	58 - 132	1	30
Caprolactam			40.0	8.99	J	ug/L		22	10 - 120	12	30
Carbazole			80.0	76.9		ug/L		96	65 - 120	2	30
Chrysene			80.0	76.1		ug/L		95	63 - 120	1	30
Dibenz(a,h)anthracene			80.0	90.6		ug/L		113	62 - 140	0	30
Dibenzofuran			80.0	76.9		ug/L		96	58 - 120	1	30
Diethyl phthalate			80.0	84.9		ug/L		106	53 - 129	2	30
Dimethyl phthalate			80.0	84.9		ug/L		106	60 - 124	2	30
Di-n-butyl phthalate			80.0	81.5		ug/L		102	59 - 133	2	30
Di-n-octyl phthalate			80.0	75.7		ug/L		95	49 - 135	3	30
Fluoranthene			80.0	78.3		ug/L		98	65 - 123	1	30
Fluorene			80.0	79.9		ug/L		100	58 - 120	4	30
Hexachlorobenzene			80.0	85.7		ug/L		107	61 - 128	1	30
Hexachlorobutadiene			80.0	60.6		ug/L		76	27 - 127	0	30
Hexachlorocyclopentadiene			80.0	61.7		ug/L		77	24 - 123	0	30
Hexachloroethane			80.0	49.0		ug/L		61	26 - 120	0	30
Indeno[1,2,3-cd]pyrene			80.0	95.2		ug/L		119	59 - 137	1	30
Isophorone			80.0	72.3		ug/L		90	68 - 121	0	30
Naphthalene			80.0	62.3		ug/L		78	51 - 120	1	30
Nitrobenzene			80.0	69.6		ug/L		87	64 - 120	2	30
N-Nitrosodi-n-propylamine			80.0	65.4		ug/L		82	60 - 120	3	30
N-Nitrosodiphenylamine			80.0	76.1		ug/L		95	63 - 120	2	30
Pentachlorophenol			160	185		ug/L		116	24 - 131	2	30
Phenanthrene			80.0	76.2		ug/L		95	65 - 120	1	30
Phenol			80.0	27.7		ug/L		35	18 - 120	4	30
Pyrene			80.0	83.2		ug/L		104	51 - 124	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*147*		*37 - 150*
2-Fluorobiphenyl	*90*		*46 - 139*
2-Fluorophenol (Surr)	*40*		*19 - 80*
Nitrobenzene-d5 (Surr)	*86*		*52 - 137*
Phenol-d5 (Surr)	*27*		*10 - 56*
Terphenyl-d14 (Surr)	*103*		*22 - 150*

QC Association Summary

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

GC/MS VOA

Analysis Batch: 901008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-277400-1	MW-1_20230330	Total/NA	Water	8260D	
460-277400-2	DUP-X_20230330	Total/NA	Water	8260D	
460-277400-3	MW-3_20230330	Total/NA	Water	8260D	
460-277400-4	MW-4_20230330	Total/NA	Water	8260D	
460-277400-5	TB_20230330	Total/NA	Water	8260D	
MB 460-901008/9	Method Blank	Total/NA	Water	8260D	
LCS 460-901008/4	Lab Control Sample	Total/NA	Water	8260D	
460-277404-A-4 MS	Matrix Spike	Total/NA	Water	8260D	
460-277404-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 901239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-277400-1	MW-1_20230330	Total/NA	Water	3510C	
460-277400-2	DUP-X_20230330	Total/NA	Water	3510C	
460-277400-3	MW-3_20230330	Total/NA	Water	3510C	
460-277400-4	MW-4_20230330	Total/NA	Water	3510C	
MB 460-901239/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-901239/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-901239/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 901346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-277400-1	MW-1_20230330	Total/NA	Water	8270E	901239
460-277400-2	DUP-X_20230330	Total/NA	Water	8270E	901239
460-277400-3	MW-3_20230330	Total/NA	Water	8270E	901239
460-277400-4	MW-4_20230330	Total/NA	Water	8270E	901239
MB 460-901239/1-A	Method Blank	Total/NA	Water	8270E	901239
LCS 460-901239/2-A	Lab Control Sample	Total/NA	Water	8270E	901239
LCSD 460-901239/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	901239

Lab Chronicle

Client: AKRF Inc
Job ID: 460-277400-1
Project/Site: 2477 Third Ave Bronx

Client Sample ID: MW-1_20230330
Lab Sample ID: 460-277400-1
Date Collected: 03/30/23 09:40
Matrix: Water
Date Received: 03/30/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	901008	SZD	EET EDI	04/03/23 14:58
Total/NA	Prep	3510C			901239	SXS	EET EDI	04/04/23 10:09
Total/NA	Analysis	8270E		1	901346	MME	EET EDI	04/05/23 01:51

Client Sample ID: DUP-X_20230330
Lab Sample ID: 460-277400-2
Date Collected: 03/30/23 09:50
Matrix: Water
Date Received: 03/30/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	901008	SZD	EET EDI	04/03/23 15:18
Total/NA	Prep	3510C			901239	SXS	EET EDI	04/04/23 10:09
Total/NA	Analysis	8270E		1	901346	MME	EET EDI	04/05/23 03:58

Client Sample ID: MW-3_20230330
Lab Sample ID: 460-277400-3
Date Collected: 03/30/23 10:15
Matrix: Water
Date Received: 03/30/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	901008	SZD	EET EDI	04/03/23 15:38
Total/NA	Prep	3510C			901239	SXS	EET EDI	04/04/23 10:09
Total/NA	Analysis	8270E		1	901346	MME	EET EDI	04/05/23 02:12

Client Sample ID: MW-4_20230330
Lab Sample ID: 460-277400-4
Date Collected: 03/30/23 11:00
Matrix: Water
Date Received: 03/30/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	901008	SZD	EET EDI	04/03/23 15:59
Total/NA	Prep	3510C			901239	SXS	EET EDI	04/04/23 10:09
Total/NA	Analysis	8270E		1	901346	MME	EET EDI	04/05/23 02:34

Client Sample ID: TB_20230330
Lab Sample ID: 460-277400-5
Date Collected: 03/30/23 00:00
Matrix: Water
Date Received: 03/30/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	901008	SZD	EET EDI	04/03/23 14:17

Laboratory References:
EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 460-277400-1
Project/Site: 2477 Third Ave Bronx

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3510C	Water	3 & 4 Methylphenol

Method Summary

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: AKRF Inc
Project/Site: 2477 Third Ave Bronx

Job ID: 460-277400-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-277400-1	MW-1_20230330	Water	03/30/23 09:40	03/30/23 17:00
460-277400-2	DUP-X_20230330	Water	03/30/23 09:50	03/30/23 17:00
460-277400-3	MW-3_20230330	Water	03/30/23 10:15	03/30/23 17:00
460-277400-4	MW-4_20230330	Water	03/30/23 11:00	03/30/23 17:00
460-277400-5	TB_20230330	Water	03/30/23 00:00	03/30/23 17:00

Address: _____

NYC 222

Chain of Custody Record

608946

eurofins | Environment Testing America

277400

TAL-8210

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Axel Schwandt	Site Contact: A. Cardenas	Date: 3/30/23	COC No:
Company Name: AKRF, Inc	Tel/Email: Aschwandt@AKRF.com	Lab Contact: M. Haas	Carrier:	1 of 1 COCs
Address: 440 Park Ave S 7th Fl	Analysis Turnaround Time			Sampler:
City/State/Zip: New York, NY 10016	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 917 596 3442	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day Standard			Lab Sampling:
Project Name: 2477 Third Ave				Job / SDG No.: 277400
Site:				
P O # 11160				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260D - VOCs	8270E - SVOCs	Sample Specific Notes:
MW-1_20230330	3/30/23	0940	G	Aq	5			X	X	-1
DUP-X_20230330		0950						X	X	-2
MW-3_20230330		1015						X	X	-3
MW-4_20230330		1100						X	X	-4
TB_20230330		—	—		2			X		-5

460-277400 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Cut B deliverable

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: A. Cardenas	Company: AKRF, Inc	Date/Time: 3/30/23 13:30	Received by:	Company: TA NYC	Date/Time: 03/30/23 13:30
Relinquished by:	Company: TA NYC	Date/Time: 03/30/23 17:00	Received by:	Company:	Date/Time: 3/30/23 1600
Relinquished by:	Company:	Date/Time: 3/30/23 1800	Received in Laboratory by: Angela Caralla	Company: TA Ed	Date/Time: 3/30/23 17:00

17/17 2Ry

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4/5/2023

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 277400

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.7 °C	1.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: Xavier **Date:** 3 30 23

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-277400-1

Login Number: 277400
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ATTACHMENT B
GROUNDWATER SAMPLING LOGS

AKRF

Well Sampling Log

Job No:		**Client:**	**Well No:** MW-4
Project Location:		**Sampled By:** AC	
Date: 3/3/23		**Sampling Time:** 1100	
LEL at surface:			
PID at surface: 752 ppm			
Total Depth: 15.5	ft. below top of casing	**Water Column (WC):** feet	*= 0.163 * WC for 2" wells
Depth to Water: 3.5	ft. below top of casing	**Well Volume*:** gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ft. below top of casing	**Volume Purged:** gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	ft. below top of casing	**Well Diam.:** inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	ft. below top of casing	**Purging Device (pump type):** Bladder Pump	
Approx. Pump Intake: ~12	ft. below top of casing		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1035	12	160	12.12	2.251	2.40	7.09	-93.4	15.4	Purge start @ 1030
1040	12	160	12.60	2.258	0.78	7.07	-121	10.1	
1045	12	160	12.77	2.259	0.46	6.95	-128	5.4	
1050	12	160	13.02	2.251	0.41	6.93	-131	2.7	
1055	12	160	13.02	2.256	0.37	6.92	-133	2.4	
1100	Sample								No sheen, Some odors
1105	12	160	12.93	2.252	0.48	6.93	-134	3.8	

Stabilization Criteria:	+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

AKRF

Well Sampling Log

Job No:		**Client:**	**Well No:** MW-1
Project Location:		**Sampled By:** A. Carday	
Date: 3/30/23		**Sampling Time:** 0940	
LEL at surface:			
PID at surface: ND			
Total Depth: 15.2	ft. below top of casing	**Water Column (WC):** feet	*= 0.163 * WC for 2" wells
Depth to Water: 3.7	ft. below top of casing	**Well Volume*:** gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ft. below top of casing	**Volume Purged:** 2.5 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	ft. below top of casing	**Well Diam.:** inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	ft. below top of casing	**Purging Device (pump type):** Bladder pump	
Approx. Pump Intake: ~12	ft. below top of casing		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
0700	12	100	4.23	0.043	12.53	7.98	173.4	-8.3	Purge start @ 0740. No YSI onsite, will purge 2 hours - clear, no sheen + odor
0705	12	100	11.45	2.632	1.29	7.01	-85.8	0.2	
0710	12	100	11.61	2.636	0.81	7.06	-92.8	-1.6	
0715	12	100	11.70	2.628	0.58	7.06	-95.0	1.4	
0720	12	100	11.67	2.617	0.44	7.00	-97.4	-0.9	
0725	12	100	11.64	2.618	0.43	7.02	-97.8	0.2	
0730	12	100	11.64	2.617	0.41	6.95	-97.8	0.2	
0735	12	100	11.61	2.619	0.40	7.01	-98.1	0.0	
0740		Grade							* Dupe collected @ 0950

Stabilization Criteria:	+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

AKRF

Well Sampling Log

Job No:			**Client:**		**Well No:** MW-3
Project Location:			**Sampled By:** A. Giddings		
Date: 3/30/17			**Sampling Time:** 1015		
LEL at surface:					
PID at surface: ND					
Total Depth: 15.1	ft. below top of casing		**Water Column (WC):**	feet	*= 0.163 * WC for 2" wells
Depth to Water: 8.3	ft. below top of casing		**Well Volume*:**	gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ft. below top of casing		**Volume Purged:** ~~0.75~~ 1	gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	ft. below top of casing		**Well Diam.:**	inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	ft. below top of casing		**Purging Device (pump type):** Bladder pump		
Approx. Pump Intake: ~~10~~ 12	ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
0955	12	100	11.39	2.454	3.30	7.65	15.4	7.4	Purge start @ 0950
1000	12	100	11.35	2.467	0.78	7.36	14.5	5.3	
1005	12	100	11.38	2.466	0.73	7.36	13.6	5.6	
1010	12	100	11.42	2.467	0.52	7.34	10.3	7.9	
1015	SAMPLE								
1020	12	100	11.65	2.274	0.86	7.46	4.2	8.1	No odor or sheen. Clear

Stabilization Criteria:	+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: