August 14, 2024 Project Reference #22108

Ms. Hera Hulsey
Senior Hydrologist – Remediation and Redevelopment
Wisconsin Department of Natural Resources
1027 W. St. Paul Avenue
Milwaukee, WI 53233

RE: Ch. NR 716 Site Investigation Report Addendum 1
616, 622, and 626 West North Avenue, 2307 and 2317 North 6th Street, and
2316 and 2322 North 7th Street, Milwaukee, Wisconsin
WDNR BRRTS Nos. 03-41-551687 and 02-41-594503 and FID No. 341142340

Dear Ms. Hulsey:

On behalf of FIT Investment Group, Inc. (FIT), as developer, and in cooperation with the Redevelopment Authority of the City of Milwaukee (RACM), as property owner, the Sigma Group, Inc. (Sigma) has prepared this addendum to the NR 716 Site Investigation Report (SIR) dated February 24, 2024, for the above referenced property (the "Site") in response to the June 28, 2024 Wisconsin Department of Natural Resources electronic mail comments (**Attachment A**). The following information is being submitted to the WDNR to document 1) identification of seven 2008-installed groundwater monitoring wells for which four were not able to be located during 2023 investigation activities; 2) groundwater analytical data from groundwater samples collected from the seven groundwater monitoring wells on July 17, 2024; and 3) an additional assessment and discussion of how the utilities are not a migration pathway for the PVOC contamination.

GROUNDWATER SAMPLING ACTIVITIES

Sigma conducted a geophysical survey on the Site and surrounding area using a Schonstedt GA-52Cx magnetic locator to locate four 2008-installed groundwater monitoring wells known to be associated with prior subsurface investigations conducted on the Site. Sigma located the four groundwater monitoring wells MW-4, MW-5, MW-6 and MW-7.

Monitoring Well Development

On July 9, 2024, the four located and previously installed NR 141 compliant groundwater monitoring wells (MW-4, MW-5, MW-6 and MW-7) were redeveloped in accordance with NR 141 by purging a minimum of four volumes of the respective calculated well casing and filter pack. The *Monitoring Well Development Forms (WDNR Form 4400-113B)* are provided in **Attachment B**.

Purged groundwater from the monitoring well development activities was placed in labeled 55-gallon drums and staged on-Site pending analysis.

Static Water Level Measurements

On July 17, 2024 Sigma measured the static water levels within the seven 2008-installed installed NR-141-compliant groundwater monitoring wells (MW-1 through MW-7).

Sigma measured the depth to the bottom of the well and depth to water with an electronic water level indicator relative to the ground surface. The electronic water level indicator utilized was capable of measuring to an accuracy of plus or minus 0.01 feet. The electronic water level indicator was decontaminated between each well and measurement.

The water level elevation data collected by Sigma were recorded in the field logbook and are summarized on the updated **Table 1**.

Groundwater Sampling

On July 17, 2024, following purging four well volumes with a peristaltic pump from the respective NR 141 compliant groundwater monitoring wells (MW-1 through MW-7), Sigma completed groundwater sampling activities. Groundwater samples collected for volatile organic compounds (VOCs) were collected with new disposable bailers and transferred to laboratory supplied vials containing appropriate preservatives. Following VOC sample collection groundwater samples were collected for polynuclear aromatic hydrocarbons (PAHs) and dissolved lead analysis using low flow techniques with a peristaltic pump. A disposable 0.45-micron filter was attached to the disposable tubing used for the peristaltic pump for the collection of the dissolved lead samples. The groundwater samples were stored on ice in a cooler for the duration of field activities.

Groundwater samples collected by Sigma were submitted for laboratory analysis for the following parameters:

- VOCs by EPA Method 8260;
- PAHs by EPA Method 8270; and
- Dissolved Lead by EPA Method 6020

Additionally, one duplicate groundwater sample from MW-1 and a trip blank were submitted to the laboratory for quality assurance/quality control (QA/QC) purposes. The duplicate groundwater sample was collected to measure laboratory precision. The trip blank was analyzed to determine if analyzed VOCs infiltrated the samples during transportation or field procedures. The QA/QC samples were transported along with the samples collected from the monitoring wells. The groundwater samples were shipped on ice under chain of custody control to Eurofins Chicago (Eurofins) of University Park, Illinois (Wisconsin Lab Certification No. 999580010).

Following the collection of groundwater samples from MW-1 through MW-7, locking well plugs were reinstalled and the flush-mounted covers were bolted and secured. Purged groundwater from the monitoring well sampling activities was placed in a labeled 55-gallon drum and staged on-Site pending analysis.

Groundwater Quality Results & Discussion

During the July 17, 2024, groundwater sampling event groundwater was present at approximately 7.5 to 9.5-feet below ground surface (bgs) and groundwater flow was generally towards the southeast. The July 2024 groundwater depth and groundwater flow direction is consistent with previous (2008 to 2023) groundwater investigations. The groundwater elevation data is provided within the updated **Table 1.**

Review of groundwater quality data from the groundwater samples collected during previous site investigation activities indicates the primary constituents of concern include select PVOCs, select PAHs,

and dissolved lead. Groundwater quality results are provided within the updated **Table 3** and presented within updated **Figure 9** and **Figure 10**.

Volatile Organic Compounds Associated with the 2307-09 N. 6th Street Parcel
Based on the laboratory analytical report, concentrations of petroleum hydrocarbons benzene and naphthalene were detected within MW-1, on the 2307-09 N. 6th Street parcel (the open LUST case area). Benzene was detected at a concentration greater than its NR 140 ES and naphthalene was detected at a concentration greater than its NR 140 PALs but less than its NR 140 ESs. VOCs were not detected at concentrations greater than the laboratory LOD at MW-5 nor MW-6. VOCs were detected at concentrations greater than the laboratory LOD but less than the NR 140 PALs at MW-2, MW-3, and MW-7, with the exception of chloroform at MW-7. A copy of the groundwater laboratory analytical report is provided as **Attachment C**.

The chloroform concentration detected within MW-7 was greater than its than its NR 140 PAL but less than its NR 140 ES. Review of the 2009 groundwater analytical data indicates that chloroform was not detected within MW-7. Furthermore, review of other site-wide groundwater data from 2008 to 2024 indicates that chloroform was not detected at concentrations greater than its laboratory LOD. Therefore, Sigma attributes the July 2024 detected concentration of chloroform within MW-7 to be representative of a laboratory artifact.

During a review of July 17 2024, QA/QC data, it was noted that 1,1,2-trichlorethane was detected within DUP-1 (duplicate of MW-1), at a concentration greater than its NR 140 PAL but less than its NR 140 ES. Although 1,1,2-trichlorethane was detected within DUP-1, it was not detected at concentrations greater than the laboratory LOD within the MW-1 parent groundwater sample concurrently collected from MW-1. Based on a review of the site-wide 2007 to 2024 groundwater data, chlorinated hydrocarbons have not been associated with nor detected within groundwater samples at concentrations greater than their respective laboratory LODs. Therefore, Sigma requested Eurofins to re-run the DUP-1 sample. The laboratory reported that 1,1,2-trichlorethane concentration within the re-run DUP-1 sample was less than the laboratory LOD. Specifically, the Eurofins job narrative (page 4 of the laboratory report) states the following: *"Sample was reanalyzed on different instrument after hold time expired and this compound was not present. Duplicate (500-253675-8)"*. Chlorinated hydrocarbons have not been detected within groundwater analyzed from the Site from 2008 to 2024, the parent groundwater sample collected from MW-1 and the re-run (duplicate of MW-1) did not detect concentrations of 1,1,2-trichlorethane greater than its laboratory LOD; therefore, the detection of 1,1,2-trichlorethane within DUP-1 considered an anomaly and not representative of groundwater quality conditions at MW-1.

Dissolved Lead Associated with the 2307-09 N. 6th Street Parcel
Based on the laboratory analytical report, the concentration of dissolved lead within monitoring well MW-1 was greater than its laboratory LODs but less than its NR 140 PAL and ES. Dissolved lead concentrations in the remaining July 2024 groundwater samples were not detected at concentrations greater than laboratory LODs.

Based on review of the 2008 to 2024 groundwater analytical data, concentrations of petroleum hydrocarbons and dissolved lead have significantly decreased. The order of magnitude decrease in petroleum hydrocarbon concentrations (within the collected groundwater samples) is likely the result of on-going natural attenuation.

The degree and extent of petroleum hydrocarbon and dissolved lead impacted groundwater has been delineated and is stable or decreasing based on concentration trends in MW-1 through MW-7 from 2008 to 2023/2024.

Groundwater Impacts Associated with Historic Reworked Soil Fill
Based on the laboratory analytical report, the concentration of naphthalene within MW-1 was greater than its NR 140 PALs but less than its NR 140 ES. This is consistent with the above discussion relative to VOCs (naphthalene) on the 2307-09 N. 6th Street parcel (the open LUST case area).

Other PAH concentrations detected within MW-1 and PAHs within groundwater samples from MW-2 through MW-7 were detected at concentrations less than their respective laboratory LODs.

UTILITY MIGRATION PATHWAY FOR PVOC CONTAMINATION
Based on a review of soil analytical data, PVOC impacts are present on-Site at depths greater than 10-feet bgs. Existing and future below-grade utility lines are not likely to extend beyond 10-feet bgs, the depth of identified PVOC soil impacts on the 2307-09 North 6th Street parcel. Utility lines will not intersect PVOC-impacted soil; and therefore, the utility lines will not act as a preferential migration pathway.

Based on a review of groundwater data, PVOC impacts are localized to the MW-1 area, groundwater is present at approximately 7.5 to 9.5-feet bgs, and groundwater flow is generally towards the southeast. Existing and future below-grade utility lines are not likely to extend beyond 7.5-feet bgs, the depth of identified PVOC groundwater impacts on the 2307-09 North 6th Street parcel. Utility lines will not intersect PVOC-impacted groundwater; and therefore, the utility lines will not act as a preferential migration pathway. Furthermore, considering the historic date of the release(s) and the decreasing PVOC concentration trend by orders of magnitude (2008 to 2024), PVOC impacted groundwater has not migrated and is not present within cross- nor down-gradient wells (MW-6 and MW-7).

The future vapor risk concern has been discussed and addressed in the previously submitted June 7, 2024, *Remedial Action Options Report and Remedial Action Plan*. Utility lines will not intersect PVOC-impacted soil nor groundwater; and therefore, the utility lines will not act as a preferential migration pathway. In addition, review of groundwater data indicates that the calculated vertical separation distance between the proposed finished floor elevation of 108.25 feet and the elevation of groundwater 100.22 feet is approximately 8.03 feet. The groundwater elevation to finish floor elevation vertical separation distance is greater than the petroleum vapor intrusion distance criteria (5 foot vertical and/or horizontal separation distance) outlined in WDNR guidance. Therefore, a potential volatile vapor intrusion risk and migration pathway does not appear to exist on the Site.

CONCLUSION AND RECOMMENDATION
On July 17, 2024, seven groundwater samples were collected from the existing groundwater monitoring well network as requested by WDNR on June 28, 2024. The PVOC, PAH, and/or dissolved lead concentrations detected within MW-1 through MW-7 were less than respective concentrations measured in 2009 and/or 2023. The benzene concentration detected in groundwater within MW-1 in July 2024, remains above its NR 140 ES while the naphthalene concentration detected within MW-1 remains above its NR 140 PAL. PVOCs have not been detected within groundwater samples collected from off-site cross- and downgradient wells MW-6 and MW-7.

Based on a review of soil and groundwater data, PVOC impacts localized to the MW-1 area are present at approximately 7.5 to 9.5-feet bgs. Existing and future below-grade utility lines are not likely to extend beyond 7.5-feet bgs. Utility lines will not intersect PVOC-impacted soil/groundwater; and therefore, the utility lines will not act as a preferential migration pathway.

Based on the findings to date, FIT and Sigma request the WDNR approve the Site Investigation as complete. The Site Investigation has adequately characterized soil and groundwater to allow for an evaluation of potential risks to human health and the surrounding environment in relation to WDNR regulations and the proposed Site redevelopment plan.

Sincerely,

THE SIGMA GROUP, INC.

Trevor Hornbacher
Project Scientist

Paul Rohde, P.G.
Geosciences Group Leader

Enclosures

Updated Tables
1. Water Level Elevations
3. Groundwater Analytical Results

Updated Figures
9. Groundwater Quality Map – VOCs
10. Groundwater Quality Map – PAHs, Dissolved Cadmium and Lead

Attachments
A. WDNR Comments/Requests – June 28, 2024
B. Monitoring Well Development Forms
C. Groundwater Analytical Report

TABLES

Table 1
Water Level Elevations
Bronzeville Tech Hub - W. North Ave. and N. 6th St., Milwaukee, Wisconsin
Sigma Project No. 22108

FFE (Milw Datum) = 107.75 580.60 688.35 = FFE MSL

MW-1

Ground Elev.: 688.6 (feet MSL) Screen Interval: 10.7 to 20.7 (feet bgs)
TOC Elev.: 688.45 (feet MSL) 677.9 to 667.9 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	8.95	20.53	11.58	---	679.50	9.1	Well development, slightly turbid, slight petroleum odor, good recharge
10/13/23	8.48	20.50	12.02	-0.47	679.97	8.7	Sample collection
7/17/24	9.34	20.20	10.86	0.86	679.11	9.5	Clear, petroleum odor, good recovery
8/25/08	*15.56*	*NA*	*--*	*7.08*	*672.89*	*15.7*	*Historical data from Giles*
7/20/09	*14.21*						
9/3/09	*15.92*						

MW-2

Ground Elev.: 688.8 (feet MSL) Screen Interval: 10.5 to 20.5 (feet bgs)
TOC Elev.: 688.48 (feet MSL) 678.4 to 668.4 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	6.00	20.13	14.13	---	682.48	6.37	Well development, turbid, petroleum odor, moderate recharge
10/13/23	7.86	20.15	12.29	1.86	680.62	8.23	Sample collection
7/17/24	5.61	19.90	14.29	-2.25	682.87	5.98	Clear, petroleum odor, good recovery
8/25/08	*15.97*	*NA*	*--*	*8.11*	*672.51*	*16.34*	*Historical data from Giles*
7/20/09	*15.04*						
9/3/09	*17.04*						

MW-3

Ground Elev.: 689.5 (feet MSL) Screen Interval: 9.3 to 19.3 (feet bgs)
TOC Elev.: 689.30 (feet MSL) 680.2 to 670.2 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	8.45	19.06	10.61	---	680.85	8.65	Well development, moderately turbid, no odor, good recharge
10/13/23	8.65	19.38	10.73	0.20	680.65	8.85	Sample collection
7/17/24	8.32	19.10	10.78	-0.33	680.98	8.52	Clear, petroleum odor, good recovery
8/25/08	*16.51*	*NA*	*--*	7.86	*672.79*	*16.71*	*Historical data from Giles*
7/20/09	*15.16*						
9/3/09	*16.87*						

MW-4

Ground Elev.: 689.1 (feet MSL) Screen Interval: 10.1 to 20.1
TOC Elev.: 688.79 (feet MSL) Resurveyed 02/12/2024 679.0 to 669.0

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	NM						Well not located by Sigma
10/13/23	NM						Well not located by Sigma
7/17/24	7.49	19.81	12.32		681.30	7.81	Clear, no odor, good recovery
8/25/08	*16.04*	*NA*					*Historical data from Giles*
7/20/09	*13.95*						
9/3/09	*16.42*						

MW-5

Ground Elev.: 691.2 (feet MSL) Screen Interval: 10.0 to 20.0
TOC Elev.: 691.04 (feet MSL) Resurveyed 02/12/2024 681.2 to 671.2

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	NM						Well not located by Sigma
10/13/23	NM						Well not located by Sigma
7/17/24	7.49	19.81	12.32		683.55	7.65	Clear no odor, good recovery
8/25/08	*14.00*	*NA*					*Historical data from Giles*
7/20/09	*11.61*						
9/3/09	*14.87*						

MW-6

Ground Elev.: 688.4 (feet MSL) Screen Interval: 9.8 to 19.8
TOC Elev.: 688.34 (feet MSL) Resurveyed 02/12/2024 678.5 to 668.5

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	NM						Well not located by Sigma
10/13/23	NM						Well not located by Sigma
7/17/24	7.49	19.81	12.32		680.85	7.51	Clear, no odor, good recovery
8/25/08	*Not installed*	*NA*					*Historical data from Giles*
7/20/09	*Not installed*						
9/3/09	*12.74*						

Table 1
Water Level Elevations
Bronzeville Tech Hub - W. North Ave. and N. 6th St., Milwaukee, Wisconsin
Sigma Project No. 22108

FFE (Milw Datum) = 107.75 580.60 688.35 = FFE MSL

MW-7

Ground Elev.: 688.5 (feet MSL) Screen Interval: 10.2 to 20.2
TOC Elev.: 688.06 (feet MSL) Resurveyed 02/12/2024 678.3 to 668.3

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	NM						Well not located by Sigma
10/13/23	NM						Well not located by Sigma
7/17/24	7.49	19.81	12.32		680.57	7.89	Slightly turbid, no odor, good recovery
8/25/08	*Not installed*	*NA*					*Historical data from Giles*
7/20/09	*Not installed*						
9/3/09	*15.54*						

SB-3/TW-1

Ground Elev.: 690.2 (feet MSL) Screen Interval: 4.3 to 14.3 (feet bgs)
TOC Elev.: 691.09 (feet MSL) 686.0 to 676.0 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	5.08	15.13	10.05	---	683.37	5.26	Well development, turbid, poor recharge
10/13/23	5.12	15.13	10.01	0.04	683.33	5.30	Sample collection

SB-8/TW-2

Ground Elev.: 691.2 (feet MSL) Screen Interval: 4.1 to 14.1 (feet bgs)
TOC Elev.: 691.98 (feet MSL) 687.1 to 677.1 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	5.52	14.91	9.39	---	682.96	5.89	Well development, turbid, good recharge
10/13/23	5.49	14.30	8.81	-0.03	682.99	5.86	Sample collection

SB-12/TW-3

Ground Elev.: 691.7 (feet MSL) Screen Interval: 2.9 to 12.9 (feet bgs)
TOC Elev.: 692.38 (feet MSL) 688.9 to 678.9 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
10/11/23	6.95	13.50	6.55	---	685.43	6.31	Well development, turbid, moderate recharge
10/13/23	7.05	14.10	7.05	0.10	685.33	6.41	Sample collection

Notes:
1. Monitoring wells MW-1 through MW-3 surveyed by The Sigma Group, Inc. on October 11, 2023 with Trimble GPS receiver.
2. Monitoring wells SB-3/TW-1, SB-8/TW-2, and SB12/TW-3 surveyed by The Sigma Group, Inc. on October 13, 2023 with Trimble GPS receiver.
3. feet MSL = feet above Mean Sea Level
4. feet bgs = feet below ground surface
5. feet TOC = feet below top of casing

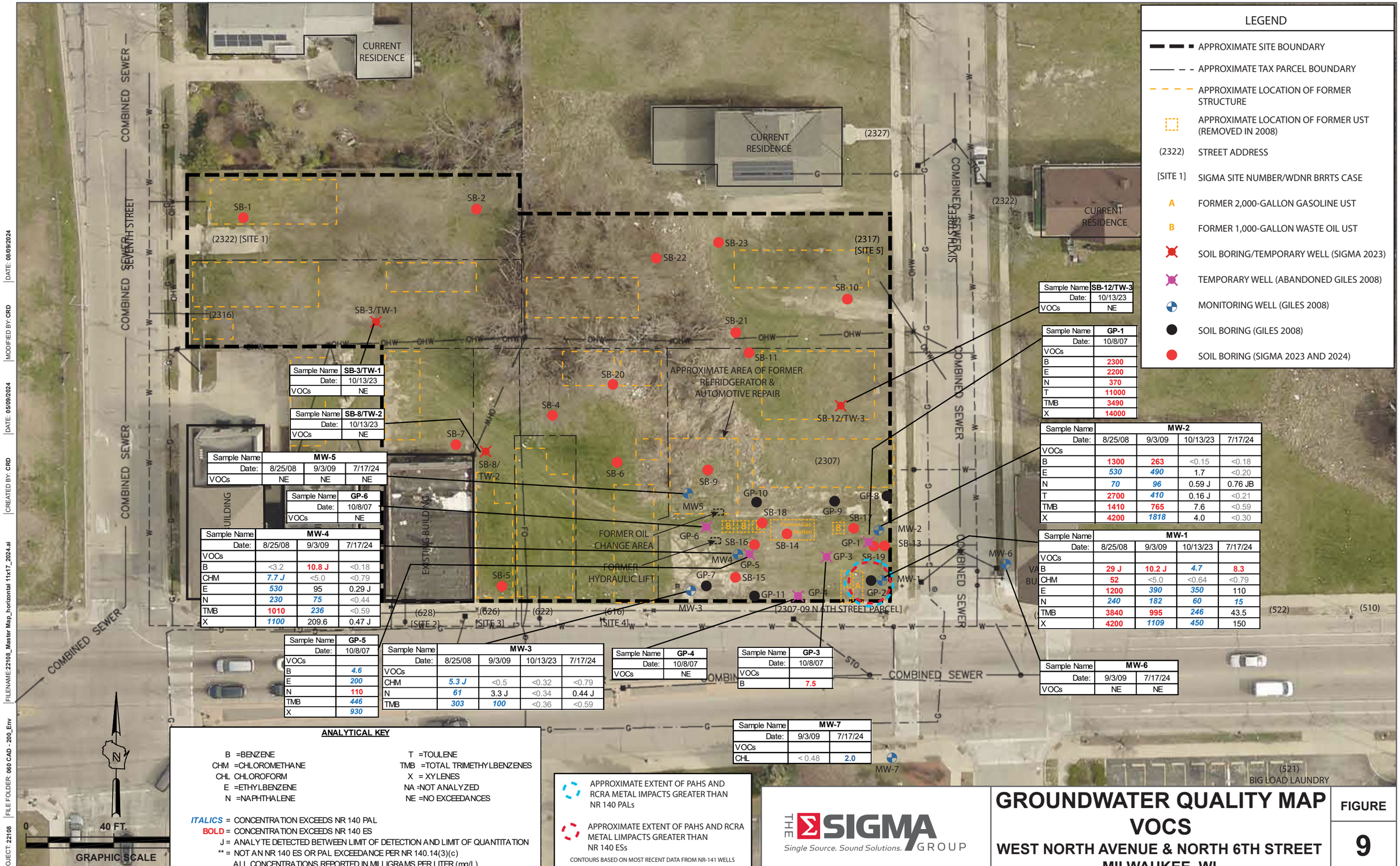
NM = Not Measured
NA = Not Available

Data entered / updated by: RJA Date: 10/17/2023
Data checked by: TJH Date: 8/7/2024

Table 3
Groundwater Analytical Results
Bronzeville Tech Hub - W. North Ave. and N. 6th St., Milwaukee, Wisconsin
Sigma Project No. 22108

Well Location:		GP-1	GP-3	GP-4	GP-5	GP-6	MW-1					MW-2					MW-3				MW-4			MW-5			MW-6		MW-7		SB-3/TW-1	SB-8/TW-2	SB-12/TW-3	NR 140 ES	NR 140 PAL
Date:		10/8/07	10/8/07	10/8/07	10/8/07	10/8/07	8/25/08	9/3/09	10/13/23	7/17/24	7/17/24	8/25/08	9/3/09	10/13/23	10/13/23	7/17/24	8/25/08	9/3/09	10/13/23	7/17/24	8/25/08	9/3/09	7/17/24	8/25/08	9/3/09	7/17/24	9/9/09	7/17/24	9/3/09	7/17/24	10/13/23	10/13/23	10/13/23		
Water Elevation* (feet MSL):		NM	NM	NM	NM	NM	NM	NM	679.97 *	678.11	DUP-1	NM	NM	680.62 *	DUP-1	682.87	NM	NM	680.65 *	680.98	NM	NM	681.30	NM	NM	683.55	NM	680.85	NM	680.57	683.33	682.99	685.33		
VOCs																																			
Benzene	µg/L	**2300**	**7.5**	0.32 J	***4.6***	<0.20	**29 J**	**10.2 J**	***4.7***	**8.3**	**9.6**	**1300**	**263**	<0.15	<0.15	<0.18	<1.6	< 0.41	<0.15	<0.18	<3.2	**10.8 J**	<0.18	<0.20	< 0.41	<0.18	< 0.41	<0.18	< 0.41	<0.18	<0.15	<0.15	<0.15	5	0.5
Bromobenzene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 4.3	<0.71	<0.60	<0.60	<16	< 4.3	<0.36	<0.36	<0.60	<1.6	< 0.43	<0.36	<0.60	<3.2	< 4.3	<0.60	<0.20	< 0.43	<0.60	< 0.43	<0.60	< 0.43	<0.60	<0.36	<0.36	<0.36	NS	NS
Bromodichloromethane	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 4.1	<0.74	<0.57	<0.57	<16	< 4.1	<0.37	<0.37	<0.57	<1.6	< 0.41	<0.37	<0.57	<3.2	< 4.1	<0.57	<0.20	< 0.41	<0.57	< 0.41	<0.57	< 0.41	<0.57	<0.37	<0.37	<0.37	0.6	0.06
Bromoform	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 4.6	<0.97 +	<0.96	<0.96	<16	< 4.6	<0.48 +	<0.48 +	<0.96	<1.6	< 0.46	<0.48 +	<0.96	<3.2	< 4.6	<0.96	<0.20	< 0.46	<0.96	< 0.46	<0.96	< 0.46	<0.96	<0.48 +	<0.48 +	<0.48 +	4.4	0.44
tert-Butylbenzene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 4.6	<0.80	<0.26	<0.26	<16	< 4.6	<0.40	<0.40	<0.26	<1.6	< 0.46	<0.40	<0.26	<3.2	< 4.6	<0.26	<0.20	< 0.46	<0.26	< 0.46	<0.26	< 0.46	<0.26	<0.40	<0.40	<0.40	NS	NS
sec-Butylbenzene	µg/L	<50	<0.50	<0.25	6	<0.25	<12	14.2	6.4	3	3.1	<20	8.1 J	1.6	1.5	<0.27	<2.0	2.93	<0.40	<0.27	<4.0	7.0 J	<0.27	<0.25	< 0.43	<0.27	< 0.43	<0.27	< 0.43	<0.27	<0.40	<0.40	<0.40	NS	NS
n-Butylbenzene	µg/L	120 J	<0.40	<0.20	6.3	<0.20	110	23.6 J	11	4.1	4	48 J	23.9 J	6.4	6.2	<0.33	18	2.31 J	<0.39	<0.33	59	< 15	<0.33	<0.20	< 1.5	<0.33	< 1.5	<0.33	< 1.5	<0.33	<0.39	<0.39	<0.39	NS	NS
Carbon Tetrachloride	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 4.3	<0.77	<0.41	<0.41	<40	< 4.3	<0.38	<0.38	<0.41	<4.0	< 0.43	<0.38	<0.41	<8.0	< 4.3	<0.41	<0.50	< 0.43	<0.41	< 0.43	<0.41	< 0.43	<0.41	<0.38	<0.38	<0.38	5	0.5
Chlorobenzene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 3.9	<0.77	<0.41	<0.41	<16	< 3.9	<0.39	<0.39	<0.41	<1.6	< 0.39	<0.39	<0.41	<3.2	< 3.9	<0.41	<0.20	< 0.39	<0.41	< 0.39	<0.41	< 0.39	<0.41	<0.39	<0.39	<0.39	100	20
Chloroethane	µg/L	<200	<2.0	<1.0	<1.0	<1.0	<50	< 15	<1.0 + #	<0.47	<0.47	<80	< 15	<0.51 + #	<0.51 + #	<0.47	<8.0	< 1.5	<0.51 + #	<0.47	<16	< 15	<0.47	<1.0	< 1.5	<0.47	< 1.5	<0.47	< 1.5	<0.47	<0.51 + #	<0.51 + #	<0.51 + #	400	80
Chloroform	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 4.8	<0.74 **	<0.92	<0.92	<16	< 4.8	<0.37	<0.37	<0.92	<1.6	< 0.48	<0.37	<0.92	<3.2	< 4.8	<0.92	<0.20	< 0.48	<0.92	< 0.48	<0.92	< 0.48	**2.0**	<0.37	<0.37	<0.37	6	0.6
Chloromethane	µg/L	<40	<0.40	<0.20	<0.20	<0.20 C	**52 C8**	< 5	<0.64	<0.79	<0.79	<24 C	< 5	<0.32	<0.32	<0.79	***5.3 C8, J***	< 0.5	<0.32	<0.79	***7.7 J, C8***	< 5	<0.79	<0.30 C	< 0.5	<0.79	< 0.5	<0.79	< 0.5	<0.79	<0.32	<0.32	<0.32	30	3
2-Chlorotoluene	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 3.7	<0.63	<0.36	<0.36	<40	< 3.7	<0.31	<0.31	<0.36	<4.0	< 0.37	<0.31	<0.36	<8.0	< 3.7	<0.36	<0.50	< 0.37	<0.36	< 0.37	<0.36	< 0.37	<0.36	<0.31	<0.31	<0.31	NS	NS
4-Chlorotoluene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 6.3	<0.70	<0.34	<0.34	<16	< 6.3	<0.35	<0.35	<0.34	<1.6	< 0.63	<0.35	<0.34	<3.2	< 6.3	<0.34	<0.20	< 0.63	<0.34	< 0.63	<0.34	< 0.63	<0.34	<0.35	<0.35	<0.35	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 20	<4.0	<3.9	<3.9	<40	< 20	<2.0	<2.0	<3.9	<4.0	< 2	<2.0	<3.9	<8.0	< 20	<3.9	<0.50	< 2	<3.9	< 2	<3.9	< 2	<3.9	<2.0	<2.0	<2.0	0.2	0.02
Dibromochloromethane	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 7.6	<0.98 +	<0.83	<0.83	<16	< 7.6	<0.49 +	<0.49 +	<0.83	<1.6	< 0.76	<0.49 +	<0.83	<3.2	< 7.6	<0.83	<0.20	< 0.76	<0.83	< 0.76	<0.83	< 0.76	<0.83	<0.49 +	<0.49 +	<0.49 +	60	6
1,4-Dichlorobenzene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<25	< 7.7	<0.73	<0.45	<0.45	<40	< 7.7	<0.36	<0.36	<0.45	<4.0	< 0.77	<0.36	<0.45	<8.0	< 7.7	<0.45	<0.50	< 0.77	<0.45	< 0.77	<0.45	< 0.77	<0.45	<0.36	<0.36	<0.36	75	15
1,3-Dichlorobenzene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 3.4	<0.80	<0.41	<0.41	<16	< 3.4	<0.40	<0.40	<0.41	<1.6	< 0.34	<0.40	<0.41	<3.2	< 3.4	<0.41	<0.20	< 0.34	<0.41	< 0.34	<0.41	< 0.34	<0.41	<0.40	<0.40	<0.40	600	120
1,2-Dichlorobenzene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 6.6	<0.67	<0.48	<0.48	<16	< 6.6	<0.33	<0.33	<0.48	<1.6	< 0.66	<0.33	<0.48	<3.2	< 6.6	<0.48	<0.20	< 0.66	<0.48	< 0.66	<0.48	< 0.66	<0.48	<0.33	<0.33	<0.33	600	60
Dichlorodifluoromethane	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 4.5	<1.3	<1.8	<1.8	<40	< 4.5	<0.67	<0.67	<1.8	<4.0	< 0.45	<0.67	<1.8	<8.0	< 4.5	<1.8	<0.50	< 0.45	<1.8	< 0.45	<1.8	< 0.45	<1.8	<0.67	<0.67	<0.67	1,000	200
1,2-Dichloroethane	µg/L	<100	<1.0	1.6 J	<0.50	<0.50	<25	< 4.3	<0.78	<0.58	<0.58	<40	< 4.3	<0.39	<0.39	<0.58	<4.0	< 0.43	<0.39	<0.58	<8.0	< 4.3	<0.58	<0.50	< 0.43	<0.58	< 0.43	<0.58	< 0.43	<0.58	<0.39	<0.39	<0.39	5	0.5
1,1-Dichloroethane	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 4.4	<0.82	<0.36	<0.36	<40	< 4.4	<0.41	<0.41	<0.36	<4.0	< 0.44	<0.41	<0.36	<8.0	< 4.4	<0.36	<0.50	< 0.44	<0.36	< 0.44	<0.36	< 0.44	<0.36	<0.41	<0.41	<0.41	850	85
1,1-Dichloroethene	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 4.7	<0.78	<0.48	<0.48	<40	< 4.7	<0.39	<0.39	<0.48	<4.0	< 0.47	<0.39	<0.48	<8.0	< 4.7	<0.48	<0.50	< 0.47	<0.48	< 0.47	<0.48	< 0.47	<0.48	<0.39	<0.39	<0.39	7	0.7
cis-1,2-Dichloroethene	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 6.8	<0.82	<0.42	<0.42	<40	< 6.8	<0.41	<0.41	<0.42	<4.0	< 0.68	<0.41	<0.42	<8.0	< 6.8	<0.42	<0.50	< 0.68	<0.42	< 0.68	<0.42	< 0.68	<0.42	<0.41	<0.41	<0.41	70	7
trans-1,2-Dichloroethene	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 6.1	<0.70	<0.44	<0.44	<40	< 6.1	<0.35	<0.35	<0.44	<4.0	< 0.61	<0.35	<0.44	<8.0	< 6.1	<0.44	<0.50	< 0.61	<0.44	< 0.61	<0.44	< 0.61	<0.44	<0.35	<0.35	<0.35	100	20
1,2-Dichloropropane	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 2.6	<0.86	<0.37	<0.37	<40	< 2.6	<0.43	<0.43	<0.37	<4.0	< 0.26	<0.43	<0.37	<8.0	< 2.6	<0.37	<0.50	< 0.26	<0.37	< 0.26	<0.37	< 0.26	<0.37	<0.43	<0.43	<0.43	5	0.5
1,3-Dichloropropane	µg/L	<50	<0.50	<0.25	<0.25	<0.25	<12	< 4.9	<0.72	<0.56	<0.56	<20	< 4.9	<0.36	<0.36	<0.56	<2.0	< 0.49	<0.36	<0.56	<4.0	< 4.9	<0.56	<0.25	< 0.49	<0.56	< 0.49	<0.56	< 0.49	<0.56	<0.36	<0.36	<0.36	NS	NS
trans-1,3-Dichloropropene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	NA	<0.72	<0.63	<0.63	<16	NA	<0.36	<0.36	<0.63	<1.6	NA	<0.36	<0.63	<3.2	NA	<0.63	<0.20	NA	<0.63	NA	<0.63	NA	<0.63	<0.36	<0.36	<0.36	0.40	0.04
cis-1,3-Dichloropropene	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	NA	<0.83	<0.52	<0.52	<16	NA	<0.42	<0.42	<0.52	<1.6	NA	<0.42	<0.52	<3.2	NA	<0.52	<0.20	NA	<0.52	NA	<0.52	NA	<0.52	<0.42	<0.42	<0.42	0.40	0.04
Di-isopropyl ether	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25 C	< 3.2	<0.55	<0.38	<0.38	<40 C	< 3.2	<0.28	<0.28	<0.38	<4.0 C	< 0.32	<0.28	<0.38	<8.0 C	< 3.2	<0.38	<0.50 C	< 0.32	<0.38	< 0.32	<0.38	< 0.32	<0.38	<0.28	<0.28	<0.28	NS	NS
EDB (1,2-Dibromoethane)	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 5.2	<0.77	<0.56	<0.56	<16	< 5.2	<0.39	<0.39	<0.56	<1.6	< 0.52	<0.39	<0.56	<3.2	< 5.2	<0.56	<0.20	< 0.52	<0.56	< 0.52	<0.56	< 0.52	<0.56	<0.39	<0.39	<0.39	0.05	0.005
Ethylbenzene	µg/L	**2200**	2.3 J	<0.50	***200***	<0.50	**1200**	***390***	***350***	110	120	***530***	***490***	1.7	1.5	<0.20	130	34	<0.18	<0.20	***530***	95	0.29 J	<0.50	< 0.87	<0.20	< 0.87	<0.20	< 0.87	<0.20	<0.18	<0.18	<0.18	700	140
Hexachlorobutadiene	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 15	<0.89	<0.54	<0.54	<40	< 15	<0.45	<0.45	<0.54	<4.0	< 1.5	<0.45	<0.54	<8.0	< 15	<0.54	<0.50	< 1.5	<0.54	< 1.5	<0.54	< 1.5	<0.54	<0.45	<0.45	<0.45	NS	NS
Isopropylbenzene	µg/L	130 J	0.56 J	<0.20	83	<0.20	140	54	42	27	28	33 J	30.9	<0.39	<0.39	<0.29	30	16.9	<0.39	0.63J	91	20.8	<0.29	<0.20	< 0.39	<0.29	< 0.39	<0.29	< 0.39	<0.29	<0.39	<0.39	<0.39	NS	NS
p-Isopropyltoluene	µg/L	<40	<0.40	0.46 J	8.2	<0.20	<10	5.9 J	3.0	0.99J	0.92 J	<16	< 5.7	1.1	1.1	<0.29	<1.6	8.5	<0.36	<0.29	<3.2	11.3 J	<0.29	<0.20	< 0.57	<0.29	< 0.57	<0.29	< 0.57	<0.29	<0.36	<0.36	<0.36	NS	NS
Methylene Chloride	µg/L	<200	<2.0	<1.0	<1.0	<1.0	<50	< 15	<3.3	<3.6	<3.6	<80	< 15	<1.6	<1.6	<3.6	<8.0	< 1.5	<1.6	<3.6	<16	< 15	<3.6	<1.0	< 1.5	<3.6	< 1.5	<3.6	< 1.5	<3.6	<1.6	<1.6	<1.6	5	0.5
Methyl-tert-butyl-ether	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 5	<0.79	<0.43	<0.43	<40	< 5	<0.39	<0.39	<0.43	<4.0	< 0.5	<0.39	<0.43	<8.0	< 5	<0.43	<0.50	< 0.5	<0.43	< 0.5	<0.43	< 0.5	<0.43	<0.39	<0.39	<0.39	60	12
Naphthalene	µg/L	**370**	1.6 J	<0.25	**110**	<0.25	**240**	**182**	***60***	***15***	***16***	***70***	***96***	0.59 J	0.55 J	0.76 J B	***61***	3.3 J	<0.34	0.44 J F2	**230**	***75***	<0.44	<0.25	< 1.7	<0.44	< 1.7	<0.44	< 1.7	<0.44	<0.34	<0.34	<0.34	100	10
n-Propylbenzene	µg/L	350	<1.0	<0.50	120	<0.50	440	144	94	51	52	86 J	90	1.3	1.2	<0.32	28	17.9	<0.41	0.78J	150	36	<0.32	<0.50	< 0.33	<0.32	< 0.33	<0.32	< 0.33	<0.32	<0.41	<0.41	<0.41	NS	NS
1,1,2,2-Tetrachloroethane	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 5.5	<0.80	<0.65	<0.65	<16	< 5.5	<0.40	<0.40	<0.65	<1.6	< 0.55	<0.40	<0.65	<3.2	< 5.5	<0.65	<0.20	< 0.55	<0.65	< 0.55	<0.65	< 0.55	<0.65	<0.40	<0.40	<0.40	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L	<50	<0.50	<0.25	<0.25	<0.25	<12	< 5.4	<0.92	<0.67	<0.67	<20	< 5.4	<0.46	<0.46	<0.67	<2.0	< 0.54	<0.46	<0.67	<4.0	< 5.4	<0.67	<0.25	< 0.54	<0.67	< 0.54	<0.67	< 0.54	<0.67	<0.46	<0.46	<0.46	70	7
Tetrachloroethene	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 4.2	<0.74	<0.39	<0.39	<40	< 4.2	<0.37	<0.37	<0.39	<4.0	< 0.42	<0.37	<0.39	<8.0	< 4.2	<0.39	<0.50	< 0.42	<0.39	< 0.42	<0.39	< 0.42	<0.39	<0.37	<0.37	<0.37	5	0.5
Toluene	µg/L	**11000**	3.3	0.52 J	21	0.20 J	<25	< 5.1	5.9	1.3	1.2	**2700**	410	0.16 J	0.16 J	<0.21	31	2.11	<0.15	<0.21	15 J	17.5	<0.21	<0.50	< 0.51	<0.21	< 0.51	<0.21	< 0.51	<0.21	<0.15	<0.15	<0.15	800	160
1,2,4-Trichlorobenzene	µg/L	<50	<0.50	<0.25	<0.25	<0.25	<12	< 21	<0.68	<0.31	<0.31	<20	< 21	<0.34	<0.34	<0.31	<2.0	< 2.1	<0.34	<0.31	<4.0	< 21	<0.31	<0.25	< 2.1	<0.31	< 2.1	<0.31	< 2.1	<0.31	<0.34	<0.34	<0.34	70	14
1,2,3-Trichlorobenzene	µg/L	<50	<0.50	<0.25	<0.25	<0.25	<12	< 16	<0.92	<0.35	<0.35	<20	< 16	<0.46	<0.46	<0.35	<2.0	< 1.6	<0.46	<0.35	<4.0	< 16	<0.35	<0.25	< 1.6	<0.35	< 1.6	<0.35	< 1.6	<0.35	<0.46	<0.46	<0.46	NS	NS
1,1,1-Trichloroethane	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 4.6	<0.76	<0.45	<0.45	<40	< 4.6	<0.38	<0.38	<0.45	<4.0	< 0.46	<0.38	<0.45	<8.0	< 4.6	<0.45	<0.50	< 0.46	<0.45	< 0.46	<0.45	< 0.46	<0.45	<0.38	<0.38	<0.38	200	40
1,1,2-Trichloroethane	µg/L	<50	<0.50	<0.25	<0.25	<0.25	<12	< 4.1	<0.70	<0.73	***1.4 @***	<20	< 4.1	<0.35	<0.35	<0.73	<2.0	< 0.41	<0.35	<0.73	<4.0	< 4.1	<0.73	<0.25	< 0.41	<0.73	< 0.41	<0.73	< 0.41	<0.73	<0.35	<0.35	<0.35	5	0.5
Trichloroethene (TCE)	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 3.9	<0.33	<0.15	<0.15	<16	< 3.9	<0.16	<0.16	<0.15	<1.6	< 0.39	<0.16	<0.15	<3.2	< 3.9	<0.15	<0.20	< 0.39	<0.15	< 0.39	<0.15	< 0.39	<0.15	<0.16	<0.16	<0.16	5	0.5
Trichlorofluoromethane	µg/L	<100	<1.0	<0.50	<0.50	<0.50	<25	< 7.2	<0.85	<0.44	<0.44	<40	< 7.2	<0.43	<0.43	<0.44	<4.0	< 0.72	<0.43	<0.44	<8.0	< 7.2	<0.44	<0.50	< 0.72	<0.44	< 0.72	<0.44	< 0.72	<0.44	<0.43	<0.43	<0.43	3,490	698
1,2,4-Trimethylbenzene	µg/L	2800	0.94 J	0.27 J	400	<0.20	3200	900	190	34	35	1100	610	6.5	6.0	<0.30	250	100	<0.36	<0.30	880	236	<0.30	<0.20	< 1.1	<0.30	< 1.1	<0.30	< 1.1	<0.30	<0.36	<0.36	<0.36	NS	NS
1,3,5-Trimethylbenzene	µg/L	690	1.5	<0.20	46	<0.20	640	95	56	9.5	9.2	310	155	1.1	0.94 J	<0.29	53	< 1.5	<0.25	<0.29	130	< 15	<0.29	<0.20	< 1.5	<0.29	< 1.5	<0.29	< 1.5	<0.29	<0.25	<0.25	<0.25	NS	NS
Total Trimethylbenzene	µg/L	**3490**	2.44 J	0.27 J	***446***	<0.40	**3840**	**995**	***246***	43.5	44.2	**1410**	**765**	7.6	1.34 J	<0.59	***303***	***100***	<0.36	<0.59	**1010**	***236***	<0.59	<0.40	<2.6	<0.59	<2.6	<0.59	<2.6	<0.59	<0.36	<0.36	<0.36	480	96
Vinyl Chloride	µg/L	<40	<0.40	<0.20	<0.20	<0.20	<10	< 2	<0.41	<0.47	<0.47	<16	< 2	<0.20	<0.20	<0.47	<1.6	< 0.2	<0.20	<0.47	<3.2	< 2	<0.47	<0.20	< 0.2	<0.47	< 0.2	<0.47	< 0.2	<0.47	<0.20	<0.20	<0.20	0.2	0.02
Xylenes, Total	µg/L	**14000**	19	<0.50	930	<0.50	**4200**	***1109***	***450***	150	150	**4200**	***1818***	4.0	3.7	<0.30	390	71.5	<0.22	<0.30	***1100***	209.6	0.47 J	<0.50	<2.13	<0.30	<2.13	<0.30	<2.13	<0.30	<0.22	<0.22	<0.22	2,000	400
PAHs																																			
Acenaphthene	µg/L	NA	NA	NA	NA	NA	1.1 J	0.35	NA	<0.26	<0.26	<0.35	0.278 J	NA	NA	<0.24	<0.34	<0.009	NA	<0.23	<0.34	< 0.009	<0.24	<0.34	< 0.009	<0.24	< 0.009	<0.24	< 0.009	<0.25	<0.26	<0.25	<0.29	NS	NS
Acenaphthylene	µg/L	NA	NA	NA	NA	NA	<0.71	< 0.11	NA	<0.22	<0.22	<0.73	< 0.11	NA	NA	<0.21	<0.70	< 0.011	NA	<0.20	<0.70	0.014 J	<0.21	<0.72	< 0.011	<0.21	< 0.011	<0.21	< 0.011	<0.22	<0.22	<0.22	<0.25	NS	NS
Anthracene	µg/L	NA	NA	NA	NA	NA	0.93	< 0.1	NA	<0.28	<0.28	0.13 J	0.267 J	NA	NA	<0.26	<0.039	< 0.01	NA	<0.25	0.12 J	< 0.01	<0.26	<0.040	< 0.01	<0.26	< 0.01	<0.26	< 0.01	<0.28	<0.28	<0.27	<0.31	3,000	600
Benzo(a)anthracene	µg/L	NA	NA	NA	NA	NA	0.6	< 0.17	NA	<0.047	<0.047	0.052 J	0.263 J	NA	NA	<0.045	<0.045	< 0.017	NA	<0.043	<0.045	< 0.017	<0.044	<0.046	< 0.017	<0.045	< 0.017	<0.045	< 0.017	<0.047	<0.047	<0.046	<0.053	NS	NS
Benzo(a)pyrene	µg/L	NA	NA	NA	NA	NA	**0.31**	< 0.14	NA	<0.082	<0.082	<0.034	< 0.14	NA	NA	<0.078	<0.033	< 0.014	NA	<0.074	<0.033	< 0.014	<0.077	<0.033	< 0.014	<0.078	< 0.014	<0.078	< 0.014	<0.082	<0.083	<0.081	<0.092	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	NA	NA	NA	NA	0.20 J	< 0.18	NA	<0.067	<0.067	<0.10	***0.198 J***	NA	NA	<0.064	<0.10	< 0.018	NA	<0.061	<0.10	< 0.018	<0.063	<0.10	< 0.018	<0.064	< 0.018	<0.064	< 0.018	<0.066	<0.067	<0.066	<0.075	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	NA	NA	NA	NA	<0.12	< 0.18	NA	<0.31	<0.31	<0.13	< 0.18	NA	NA	<0.30	<0.12	< 0.018	NA	<0.28	<0.12	< 0.018	<0.29	<0.12	< 0.018	<0.30	< 0.018	<0.30	< 0.018	<0.31	<0.31	<0.31	<0.35	NS	NS
Benzo(k)fluoranthene	µg/L	NA	NA	NA	NA	NA	0.23	< 0.29	NA	<0.053	<0.053	<0.052	< 0.29	NA	NA	<0.050	<0.050	< 0.029	NA	<0.048	<0.050	< 0.029	<0.050	<0.051	< 0.029	<0.050	< 0.029	<0.051	< 0.029	<0.053	<0.054	<0.053	<0.060	NS	NS
Chrysene	µg/L	NA	NA	NA	NA	NA	**0.33**	< 0.1	NA	<0.056	<0.056	<0.043	**0.228 J**	NA	NA	<0.054	<0.042	< 0.01	NA	<0.051	<0.042	< 0.01	<0.053	<0.043	< 0.01	<0.054	< 0.01	<0.054	< 0.01	<0.056	<0.057	<0.056	<0.063	0.2	0.02
Dibenzo(a,h)anthracene	µg/L	NA	NA	NA	NA	NA	<0.13	< 0.19	NA	<0.042	<0.042	<0.14	< 0.19	NA	NA	<0.040	<0.13	< 0.019	NA	<0.038	<0.13	< 0.019	<0.039	<0.14	< 0.019	<0.040	< 0.019	<0.040	< 0.019	<0.042	<0.042	<0.042	<0.047	NS	NS
Fluoranthene	µg/L	NA	NA	NA	NA	NA	1.7	< 0.13	NA	<0.38	<0.38	<0.085	0.69	NA	NA	<0.36	<0.083	< 0.013	NA	<0.34	0.56	< 0.013	<0.35	<0.084	< 0.013	<0.36	< 0.013	<0.36	< 0.013	<0.37	<0.38	<0.37	<0.42	400	80
Fluorene	µg/L	NA	NA	NA	NA	NA	1.6	0.39 J	NA	<0.20	<0.20	1.6	0.37 J	NA	NA	<0.19	2.3	0.037 J	NA	<0.18	10	< 0.013	<0.19	<0.065	< 0.013	<0.19	< 0.013	<0.19	< 0.013	<0.20	<0.20	<0.20	<0.23	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA	NA	NA	0.2	< 0.19	NA	<0.062	<0.062	<0.065	< 0.19	NA	NA	<0.059	<0.063	< 0.019	NA	<0.056	<0.063	< 0.019	<0.058	<0.065	< 0.019	<0.059	< 0.019	<0.059	< 0.019	<0.062	<0.063	<0.061	<0.070	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	NA	NA	NA	76	18.1	NA	4.5	4.5	20	20.5	NA	NA	<0.24	5.4	1.87	NA	<0.23	30	0.077	<0.23	<0.33	< 0.013	<0.24	0.014 J	<0.24	< 0.013	<0.25	<0.25	<0.25	<0.28	NS	NS
2-Methylnaphthalene	µg/L	NA	NA	NA	NA	NA	120	14.2	NA	2.5	2.5	38	44	NA	NA	<0.051	8.6	0.022 J	NA	<0.049	59	0.020 J	<0.051	<0.32	< 0.019	<0.051	0.021 J	<0.052	< 0.019	<0.054	<0.054	<0.053	<0.061	NS	NS
Naphthalene	µg/L	NA	NA	NA	NA	NA	**230**	***43***	NA	***17***	***17***	***56***	***57***	NA	NA	<0.24	***74***	1.84	NA	<0.23	**210**	0.194	<0.24	<0.42	0.039 J	<0.24	0.038 J	<0.24	0.026 J	<0.25	<0.26	<0.25	<0.29	100	10
Phenanthrene	µg/L	NA	NA	NA	NA	NA	3	0.199 J	NA	<0.25	<0.25	0.93	0.79	NA	NA	<0.24	<0.031	< 0.015	NA	<0.23	1.9	< 0.015	<0.23	<0.031	< 0.015	<0.24	< 0.015	<0.24	< 0.015	<0.25	<0.25	<0.25	<0.28	NS	NS
Pyrene	µg/L	NA	NA	NA	NA	NA	0.85	< 0.12	NA	<0.35	<0.35	0.065 J	0.57	NA	NA	<0.34	<0.045	< 0.012

FIGURES



LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE TAX PARCEL BOUNDARY
- APPROXIMATE LOCATION OF FORMER STRUCTURE
- APPROXIMATE LOCATION OF FORMER UST (REMOVED IN 2008)
- (2322) STREET ADDRESS
- [SITE 1] SIGMA SITE NUMBER/WDNR BRRTS CASE
- A FORMER 2,000-GALLON GASOLINE UST
- B FORMER 1,000-GALLON WASTE OIL UST
- SOIL BORING/TEMPORARY WELL (SIGMA 2023)
- TEMPORARY WELL (ABANDONED GILES 2008)
- MONITORING WELL (GILES 2008)
- SOIL BORING (GILES 2008)
- SOIL BORING (SIGMA 2023 AND 2024)

Sample Name	SB-12/TW-3
Date:	10/13/23
VOCs	NE

Sample Name	GP-1
Date:	10/8/07
VOCs	
B	2300
E	2200
N	370
T	11000
TMB	3490
X	14000

Sample Name	MW-2			
Date:	8/25/08	9/3/09	10/13/23	7/17/24
VOCs				
B	1300	263	<0.15	<0.18
E	530	490	1.7	<0.20
N	70	96	0.59 J	0.76 JB
T	2700	410	0.16 J	<0.21
TMB	1410	765	7.6	<0.59
X	4200	1818	4.0	<0.30

Sample Name	MW-1			
Date:	8/25/08	9/3/09	10/13/23	7/17/24
VOCs				
B	29 J	10.2 J	4.7	8.3
CHM	52	<5.0	<0.64	<0.79
E	1200	390	350	110
N	240	182	60	15
TMB	3840	995	246	43.5
X	4200	1109	450	150

Sample Name	MW-6	
Date:	9/3/09	7/17/24
VOCs	NE	NE

Sample Name	SB-3/TW-1
Date:	10/13/23
VOCs	NE

Sample Name	SB-8/TW-2
Date:	10/13/23
VOCs	NE

Sample Name	MW-5		
Date:	8/25/08	9/3/09	7/17/24
VOCs	NE	NE	NE

Sample Name	GP-6
Date:	10/8/07
VOCs	NE

Sample Name	MW-4		
Date:	8/25/08	9/3/09	7/17/24
VOCs			
B	<3.2	10.8 J	<0.18
CHM	7.7 J	<5.0	<0.79
E	530	95	0.29 J
N	230	75	<0.44
TMB	1010	236	<0.59
X	1100	209.6	0.47 J

Sample Name	GP-5
Date:	10/8/07
VOCs	
B	4.6
E	200
N	110
TMB	446
X	930

Sample Name	MW-3			
Date:	8/25/08	9/3/09	10/13/23	7/17/24
VOCs				
CHM	5.3 J	<0.5	<0.32	<0.79
N	61	3.3 J	<0.34	0.44 J
TMB	303	100	<0.36	<0.59

Sample Name	GP-4
Date:	10/8/07
VOCs	NE

Sample Name	GP-3
Date:	10/8/07
VOCs	
B	7.5

Sample Name	MW-7	
Date:	9/3/09	7/17/24
VOCs		
CHL	< 0.48	2.0

ANALYTICAL KEY

B =BENZENE
CHM =CHLOROMETHANE
CHL CHLOROFORM
E =ETHYLBENZENE
N =NAPHTHALENE
T =TOULENE
TMB =TOTAL TRIMETHYLBENZENES
X = XYLENES
NA =NOT ANALYZED
NE =NO EXCEEDANCES

ITALICS = CONCENTRATION EXCEEDS NR 140 PAL
BOLD = CONCENTRATION EXCEEDS NR 140 ES
J = ANALYTE DETECTED BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTITATION
** = NOT AN NR 140 ES OR PAL EXCEEDANCE PER NR 140.14(3)(c)
ALL CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (mg/L)

APPROXIMATE EXTENT OF PAHS AND RCRA METAL IMPACTS GREATER THAN NR 140 PALs

APPROXIMATE EXTENT OF PAHS AND RCRA METAL LIMPACTS GREATER THAN NR 140 ESs

CONTOURS BASED ON MOST RECENT DATA FROM NR-141 WELLS

THE SIGMA GROUP
Single Source. Sound Solutions.

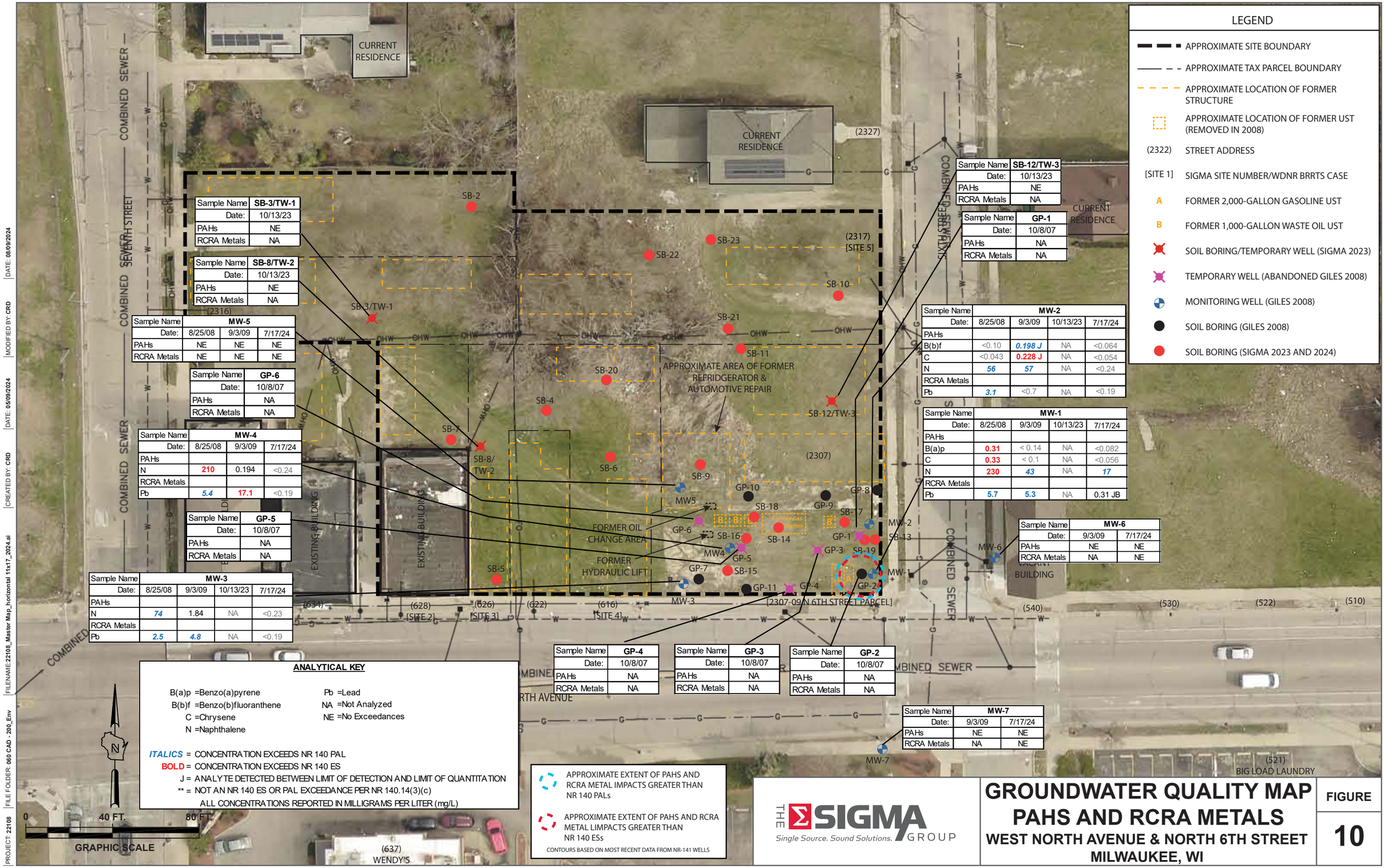
GROUNDWATER QUALITY MAP VOCS

WEST NORTH AVENUE & NORTH 6TH STREET MILWAUKEE, WI

FIGURE 9

PROJECT: 22108 | FILE FOLDER: 060 CAD - 200_Env | FILENAME: 22108_Master Map_horizontal 11x17_2024.ai | CREATED BY: CRD | DATE: 05/09/2024 | MODIFIED BY: CRD | DATE: 08/09/2024

FILE PATH: I:\Emem Group\22108- Bronzeville Tech Hub\060 CAD\200_Environmental\RAOR Figures



LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE TAX PARCEL BOUNDARY
- APPROXIMATE LOCATION OF FORMER STRUCTURE
- APPROXIMATE LOCATION OF FORMER UST (REMOVED IN 2008)
- (2322) STREET ADDRESS
- [SITE 1] SIGMA SITE NUMBER/WDNR BRRTS CASE
- A FORMER 2,000-GALLON GASOLINE UST
- B FORMER 1,000-GALLON WASTE OIL UST
- SOIL BORING/TEMPORARY WELL (SIGMA 2023)
- TEMPORARY WELL (ABANDONED GILES 2008)
- MONITORING WELL (GILES 2008)
- SOIL BORING (GILES 2008)
- SOIL BORING (SIGMA 2023 AND 2024)

Sample Name	SB-3/TW-1
Date:	10/13/23
PAHs	NE
RCRA Metals	NA

Sample Name	SB-8/TW-2
Date:	10/13/23
PAHs	NE
RCRA Metals	NA

Sample Name	MW-5		
Date:	8/25/08	9/3/09	7/17/24
PAHs	NE	NE	NE
RCRA Metals	NE	NE	NE

Sample Name	GP-6
Date:	10/8/07
PAHs	NA
RCRA Metals	NA

Sample Name	MW-4		
Date:	8/25/08	9/3/09	7/17/24
PAHs			
N	**210**	0.194	<0.24
RCRA Metals			
Pb	*5.4*	**17.1**	<0.19

Sample Name	GP-5
Date:	10/8/07
PAHs	NA
RCRA Metals	NA

Sample Name	MW-3			
Date:	8/25/08	9/3/09	10/13/23	7/17/24
PAHs				
N	*74*	1.84	NA	<0.23
RCRA Metals				
Pb	*2.5*	*4.8*	NA	<0.19

Sample Name	SB-12/TW-3
Date:	10/13/23
PAHs	NE
RCRA Metals	NA

Sample Name	GP-1
Date:	10/8/07
PAHs	NA
RCRA Metals	NA

Sample Name	MW-2			
Date:	8/25/08	9/3/09	10/13/23	7/17/24
PAHs				
B(b)f	<0.10	*0.198 J*	NA	<0.064
C	<0.043	**0.228 J**	NA	<0.054
N	*56*	*57*	NA	<0.24
RCRA Metals				
Pb	*3.1*	<0.7	NA	<0.19

Sample Name	MW-1			
Date:	8/25/08	9/3/09	10/13/23	7/17/24
PAHs				
B(a)p	**0.31**	< 0.14	NA	<0.082
C	**0.33**	< 0.1	NA	<0.056
N	**230**	*43*	NA	*17*
RCRA Metals				
Pb	5.7	5.3	NA	0.31 JB

Sample Name	MW-6	
Date:	9/3/09	7/17/24
PAHs	NE	NE
RCRA Metals	NA	NE

Sample Name	GP-4
Date:	10/8/07
PAHs	NA
RCRA Metals	NA

Sample Name	GP-3
Date:	10/8/07
PAHs	NA
RCRA Metals	NA

Sample Name	GP-2
Date:	10/8/07
PAHs	NA
RCRA Metals	NA

Sample Name	MW-7	
Date:	9/3/09	7/17/24
PAHs	NE	NE
RCRA Metals	NA	NE

ANALYTICAL KEY

B(a)p = Benzo(a)pyrene
B(b)f = Benzo(b)fluoranthene
C = Chrysene
N = Naphthalene
Pb = Lead
NA = Not Analyzed
NE = No Exceedances

ITALICS = CONCENTRATION EXCEEDS NR 140 PAL
BOLD = CONCENTRATION EXCEEDS NR 140 ES
J = ANALYTE DETECTED BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTITATION
** = NOT AN NR 140 ES OR PAL EXCEEDANCE PER NR 140.14(3)(c)
ALL CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (mg/L)

APPROXIMATE EXTENT OF PAHS AND RCRA METAL IMPACTS GREATER THAN NR 140 PALs

APPROXIMATE EXTENT OF PAHS AND RCRA METAL LIMPACTS GREATER THAN NR 140 ESs

CONTOURS BASED ON MOST RECENT DATA FROM NR-141 WELLS

THE SIGMA GROUP
Single Source. Sound Solutions.

GROUNDWATER QUALITY MAP PAHS AND RCRA METALS

WEST NORTH AVENUE & NORTH 6TH STREET MILWAUKEE, WI

FIGURE 10

PROJECT: 22108 | FILE FOLDER: 060 CAD - 200_Env | FILENAME: 22108_Master Map_horizontal 11x17_2024.ai | CREATED BY: CRD | MODIFIED BY: CRD | DATE: 05/09/2024 | DATE: 08/09/2024

FILE PATH: I:\Emem Group\22108- Bronzeville Tech Hub\060 CAD\200_Environmental\RAOR Figures

ATTACHMENT A

WDNR Comments/Requests – June 28, 2024

[EXT] Bronzeville Redevelopment SIR Review, 2307-09 N 6th St. BRRTS # 02-41-594503, 03-41-551687

Hulsey, Hera N - DNR <hera.hulsey@wisconsin.gov>

Fri 06/28/2024 12:49 PM

To:Trevor Hornbacher <thornbacher@thesigmagroup.com>
Cc:Kristin Kurzka, P.E., P.G. <kkurzka@thesigmagroup.com>;Chelsea Corson <ccorson@thesigmagroup.com>

Some people who received this message don't often get email from hera.hulsey@wisconsin.gov. Learn why this is important

Hello,

The DNR has reviewed the SIR for the Bronzeville Redevelopment Project, 2307-09 N 6th St. BRRTS # 02-41-594503 and 03-41-551687. The site investigation was found to be incomplete due to the need for additional groundwater investigation and the need for some additional assessment of migration pathways. I am drafting a letter for this determination, but a summary of what will be in the letter is listed below so that action can be taken quickly.

Soil
-The DNR agrees that the PVOC investigation related to the LUST is complete and the PAH and metals investigation related to the fill materials is complete.

Groundwater
-With the previous groundwater investigation data being more than a decade old, the DNR would like an additional round of samples to be collected from the monitoring wells that are present to confirm the current condition of groundwater. An effort to locate the other wells, especially the ones offsite to the south and east should be made and sampled if found. Please analyze samples for VOCs, PAHs, and RCRA metals.
-Please provide additional assessment and discussion of how the utilities are not a migration pathway for the PVOC contamination.

Vapor
-The DNR agrees with the vapor screening assessment for the SI. Future vapor risk concerns will be reviewed when we review the RAOR.

Emerging Contaminants Statement
-The DNR agrees with the emerging contaminants statement provided and deems it adequate. Sampling for emerging contaminants is not required at this time.

Please let me know if you have any questions regarding this review conclusion and/or if you would like to discuss this.

Hera

Hera Hulsey
Senior Hydrogeologist – Remediation and Redevelopment
Wisconsin Department of Natural Resources
1027 West Saint Paul Avenue
Milwaukee, WI 53233
Phone #: 262-612-9127

hera.hulsey@wisconsin.gov

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

dnr.wi.gov

CAUTION: This email originated outside of Sigma. Do not click links or open attachments unless you recognize the sender and know the content is safe.

ATTACHMENT B

Monitoring Well Development Forms

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Bronzeville Tech Hub	Milwaukee	MW-6

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	40	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☒ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☐ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 70 min.

4. Depth of well (from top of well casisng) 20.5 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 13.7 gal.

7. Volume of water removed from well 35 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.78 ft.	0.00 ft.
Date	b. 07/09/2024 (m m d d y y y y)	07/09/2024 (m m d d y y y y)
Time	c. 7:50 ☒ a.m. ☐ p.m.	13:30 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	___.___ inches	___.___ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Slight Brown Color	Clear ☒ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.___ mg/l	____.___ mg/l
15. COD	____.___ mg/l	____.___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ryan Last Name: Adamec
Firm: The Sigma Group

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: _____
Street: _____
City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Ryan Adamec
Print Name: Ryan Adamec
Firm: The Sigma Group

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Bronzeville Tech Hub	Milwaukee	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	40	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☒ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☐ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 110 min.

4. Depth of well (from top of well casisng) 19.7 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 18.5 gal.

7. Volume of water removed from well 110.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.83 ft.	4.21 ft.
Date	b. 07/09/2024 (m m d d y y y y)	07/09/2024 (m m d d y y y y)
Time	c. 7:40 ☒ a.m. ☐ p.m.	13:40 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Slight brown color	Clear ☒ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ryan Last Name: Adamec
Firm: The Sigma Group

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: _____
Street: _____
City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Ryan Adamec
Print Name: Ryan Adamec
Firm: The Sigma Group

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Bronzeville Tech Hub	Milwaukee	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	40	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☒ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☐ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 20.0 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 17.8 gal.

7. Volume of water removed from well 55.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.8 ft.	5.3 ft.
Date	b. 07/09/2024 (m m d d y y y y)	07/09/2024 (m m d d y y y y)
Time	c. 7:30 ☒ a.m. ☐ p.m.	13:50 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	___.___ inches	___.___ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) gray/black color	Clear ☒ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.___ mg/l	____.___ mg/l
15. COD	____.___ mg/l	____.___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ryan Last Name: Adamec
Firm: The Sigma Group

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: _____
Street: _____
City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Ryan Adamec
Print Name: Ryan Adamec
Firm: The Sigma Group

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Bronzeville Tech Hub	Milwaukee	MW-7

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	40	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☒ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☐ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 70 min.

4. Depth of well (from top of well casisng) 20.5 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 16.3 gal.

7. Volume of water removed from well 20.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.55 ft.	0.00 ft.
Date	b. 07/09/2024 (m m d d y y y y)	07/09/2024 (m m d d y y y y)
Time	c. 8:00 ☒ a.m. ☐ p.m.	14:00 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Slight brown color	Clear ☒ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ryan Last Name: Adamec
Firm: The Sigma Group

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: _____
Street: _____
City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Ryan Adamec
Print Name: Ryan Adamec
Firm: The Sigma Group

NOTE: See instructions for more information including a list of county codes and well type codes.

ATTACHMENT D

Groundwater Analytical Report

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Trevor Hornbacher
Sigma Group Inc, The
1300 West Canal Street
Milwaukee, Wisconsin 53233

Generated 8/2/2024 3:39:17 PM Revision 1

JOB DESCRIPTION

Bronzeville Tech - 22108

JOB NUMBER

500-253675-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

Generated
8/2/2024 3:39:17 PM
Revision 1

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
Designee for
Jodie Bracken, Project Manager I
Jodie.Bracken@ET.EurofinsUS.com
(708)534-5200

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 7
Sample Summary 8
Client Sample Results 9
Definitions 27
QC Association 28
Surrogate Summary 30
QC Sample Results 31
Chronicle 47
Certification Summary 49
Chain of Custody 50
Receipt Checklists 52

Job Narrative
500-253675-1

Revision
The report being provided is a revision of the original report sent on 7/31/2024. The report (revision 1) is being revised due to: Reanalysis of sample 8 per client..

Receipt
The samples were received on 7/18/2024 9:20 AM. 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 5.0º C.

GC/MS VOA
Method 8260D: The following sample was originally reported with a detect for 1,1,2-Trichloroethane. Upon review, it was justified to report this result as there was suffiicient evidence compound was present in spite of poor mass spectra. Sample was reanalyzed on different instrument after hold time expired-and this compound was not present.Duplicate (500-253675-8)

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 500-777447 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260D: The method blank for analytical batch 500-777692 contained Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) analyzed in 500-777470 was outside the method criteria for the following analyte(s): Benzo[g,h,i]perylene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 500-777394 and analytical batch 500-777678 recovered outside control limits for the following analytes: Fluorene and Phenanthrene.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 500-777394 and analytical batch 500-777470 recovered outside limits for: Benzo[a]anthracene, Fluorene, Phenanthrene and Pyrene. The laboratory control sample (LCS) was within acceptable limits for all analytes. There is insufficient sample to perform another extraction, therefore the data have been reported. The following samples are affected: MW-5 (500-253675-5), MW-6 (500-253675-6), (LCS 500-777394/2-A) and (LCSD 500-777394/3-A).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3510C: 3510_LVI 8270 There is insufficient volume to re-extract samples 500-253675-5 and 6.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-1 — Lab Sample ID: 500-253675-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	34		1.0	0.30	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	9.5		1.0	0.29	ug/L	1		8260D	Total/NA
Benzene	8.3		0.50	0.18	ug/L	1		8260D	Total/NA
Ethylbenzene	110		0.50	0.20	ug/L	1		8260D	Total/NA
Isopropylbenzene	27		1.0	0.29	ug/L	1		8260D	Total/NA
Naphthalene	15		1.0	0.44	ug/L	1		8260D	Total/NA
n-Butylbenzene	4.1		1.0	0.33	ug/L	1		8260D	Total/NA
N-Propylbenzene	51		1.0	0.32	ug/L	1		8260D	Total/NA
p-Isopropyltoluene	0.99	J	1.0	0.29	ug/L	1		8260D	Total/NA
sec-Butylbenzene	3.0		1.0	0.27	ug/L	1		8260D	Total/NA
Toluene	1.3		0.50	0.21	ug/L	1		8260D	Total/NA
Xylenes, Total	150		1.0	0.30	ug/L	1		8260D	Total/NA
1-Methylnaphthalene	4.5		1.7	0.25	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	2.5		1.7	0.054	ug/L	1		8270E	Total/NA
Naphthalene	17		0.83	0.26	ug/L	1		8270E	Total/NA
Lead	0.31	J B	0.50	0.19	ug/L	1		6020B	Dissolved

Client Sample ID: MW-2 — Lab Sample ID: 500-253675-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.76	J B	1.0	0.44	ug/L	1		8260D	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 500-253675-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.63	J	1.0	0.29	ug/L	1		8260D	Total/NA
Naphthalene	0.44	J F2	1.0	0.44	ug/L	1		8260D	Total/NA
N-Propylbenzene	0.78	J	1.0	0.32	ug/L	1		8260D	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 500-253675-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.29	J	0.50	0.20	ug/L	1		8260D	Total/NA
Xylenes, Total	0.47	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 500-253675-5

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 500-253675-6

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 500-253675-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.0		2.0	0.92	ug/L	1		8260D	Total/NA

Client Sample ID: Duplicate — Lab Sample ID: 500-253675-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	1.4		1.0	0.73	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	35		1.0	0.30	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	9.2		1.0	0.29	ug/L	1		8260D	Total/NA
Benzene	9.6		0.50	0.18	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: Duplicate (Continued) — Lab Sample ID: 500-253675-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	120		0.50	0.20	ug/L	1		8260D	Total/NA
Isopropylbenzene	28		1.0	0.29	ug/L	1		8260D	Total/NA
Naphthalene	16		1.0	0.44	ug/L	1		8260D	Total/NA
n-Butylbenzene	4.0		1.0	0.33	ug/L	1		8260D	Total/NA
N-Propylbenzene	52		1.0	0.32	ug/L	1		8260D	Total/NA
p-Isopropyltoluene	0.92	J	1.0	0.29	ug/L	1		8260D	Total/NA
sec-Butylbenzene	3.1		1.0	0.27	ug/L	1		8260D	Total/NA
Toluene	1.2		0.50	0.21	ug/L	1		8260D	Total/NA
Xylenes, Total	150		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-253675-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-253675-1	MW-1	Water	07/17/24 15:15	07/18/24 09:20
500-253675-2	MW-2	Water	07/17/24 15:00	07/18/24 09:20
500-253675-3	MW-3	Water	07/17/24 13:45	07/18/24 09:20
500-253675-4	MW-4	Water	07/17/24 13:25	07/18/24 09:20
500-253675-5	MW-5	Water	07/17/24 09:50	07/18/24 09:20
500-253675-6	MW-6	Water	07/17/24 11:05	07/18/24 09:20
500-253675-7	MW-7	Water	07/17/24 12:15	07/18/24 09:20
500-253675-8	Duplicate	Water	07/17/24 00:00	07/18/24 09:20
500-253675-9	Trip Blank	Water	07/17/24 00:00	07/18/24 09:20

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-1

Date Collected: 07/17/24 15:15
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 12:15	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 12:15	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 12:15	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/19/24 12:15	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 12:15	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 12:15	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 12:15	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/19/24 12:15	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 12:15	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 12:15	1
1,2,4-Trimethylbenzene	**34**		1.0	0.30	ug/L			07/19/24 12:15	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 12:15	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 12:15	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 12:15	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 12:15	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 12:15	1
1,3,5-Trimethylbenzene	**9.5**		1.0	0.29	ug/L			07/19/24 12:15	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 12:15	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 12:15	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 12:15	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 12:15	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 12:15	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 12:15	1
Benzene	**8.3**		0.50	0.18	ug/L			07/19/24 12:15	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 12:15	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 12:15	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 12:15	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 12:15	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 12:15	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 12:15	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 12:15	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 12:15	1
Chloroform	<0.92		2.0	0.92	ug/L			07/19/24 12:15	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 12:15	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 12:15	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 12:15	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 12:15	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 12:15	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 12:15	1
Ethylbenzene	**110**		0.50	0.20	ug/L			07/19/24 12:15	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 12:15	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 12:15	1
Isopropylbenzene	**27**		1.0	0.29	ug/L			07/19/24 12:15	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 12:15	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 12:15	1
Naphthalene	**15**		1.0	0.44	ug/L			07/19/24 12:15	1
n-Butylbenzene	**4.1**		1.0	0.33	ug/L			07/19/24 12:15	1
N-Propylbenzene	**51**		1.0	0.32	ug/L			07/19/24 12:15	1
p-Isopropyltoluene	**0.99**	**J**	1.0	0.29	ug/L			07/19/24 12:15	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-1

Date Collected: 07/17/24 15:15
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**3.0**		1.0	0.27	ug/L			07/19/24 12:15	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 12:15	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 12:15	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 12:15	1
Toluene	**1.3**		0.50	0.21	ug/L			07/19/24 12:15	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 12:15	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 12:15	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 12:15	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 12:15	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 12:15	1
Xylenes, Total	**150**		1.0	0.30	ug/L			07/19/24 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*07/19/24 12:15*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*07/19/24 12:15*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*07/19/24 12:15*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*07/19/24 12:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**4.5**		1.7	0.25	ug/L		07/23/24 13:40	07/24/24 13:59	1
2-Methylnaphthalene	**2.5**		1.7	0.054	ug/L		07/23/24 13:40	07/24/24 13:59	1
Acenaphthene	<0.26		0.83	0.26	ug/L		07/23/24 13:40	07/24/24 13:59	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		07/23/24 13:40	07/24/24 13:59	1
Anthracene	<0.28		0.83	0.28	ug/L		07/23/24 13:40	07/24/24 13:59	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		07/23/24 13:40	07/24/24 13:59	1
Benzo[a]pyrene	<0.082		0.17	0.082	ug/L		07/23/24 13:40	07/24/24 13:59	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		07/23/24 13:40	07/24/24 13:59	1
Benzo[g,h,i]perylene	<0.31		0.83	0.31	ug/L		07/23/24 13:40	07/24/24 13:59	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		07/23/24 13:40	07/24/24 13:59	1
Chrysene	<0.056		0.17	0.056	ug/L		07/23/24 13:40	07/24/24 13:59	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		07/23/24 13:40	07/24/24 13:59	1
Fluoranthene	<0.38		0.83	0.38	ug/L		07/23/24 13:40	07/24/24 13:59	1
Fluorene	<0.20		0.83	0.20	ug/L		07/23/24 13:40	07/24/24 13:59	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		07/23/24 13:40	07/24/24 13:59	1
Naphthalene	**17**		0.83	0.26	ug/L		07/23/24 13:40	07/24/24 13:59	1
Phenanthrene	<0.25		0.83	0.25	ug/L		07/23/24 13:40	07/24/24 13:59	1
Pyrene	<0.35		0.83	0.35	ug/L		07/23/24 13:40	07/24/24 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*34 - 110*	*07/23/24 13:40*	*07/24/24 13:59*	*1*
Nitrobenzene-d5 (Surr)	*71*		*36 - 120*	*07/23/24 13:40*	*07/24/24 13:59*	*1*
Terphenyl-d14 (Surr)	*91*		*40 - 145*	*07/23/24 13:40*	*07/24/24 13:59*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.31**	**J B**	0.50	0.19	ug/L		07/26/24 15:50	07/30/24 22:51	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-2

Date Collected: 07/17/24 15:00
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/22/24 13:13	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/22/24 13:13	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/22/24 13:13	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/22/24 13:13	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/22/24 13:13	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/22/24 13:13	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/22/24 13:13	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/22/24 13:13	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/22/24 13:13	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/22/24 13:13	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/22/24 13:13	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/22/24 13:13	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/22/24 13:13	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/22/24 13:13	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/22/24 13:13	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/22/24 13:13	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/22/24 13:13	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/22/24 13:13	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/22/24 13:13	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/22/24 13:13	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/22/24 13:13	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/22/24 13:13	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/22/24 13:13	1
Benzene	<0.18		0.50	0.18	ug/L			07/22/24 13:13	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/22/24 13:13	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/22/24 13:13	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/22/24 13:13	1
Bromoform	<0.96		1.0	0.96	ug/L			07/22/24 13:13	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/22/24 13:13	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/22/24 13:13	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/22/24 13:13	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/22/24 13:13	1
Chloroform	<0.92		2.0	0.92	ug/L			07/22/24 13:13	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/22/24 13:13	1
cis-1,2-Dichloroethene	<0.42	F2	1.0	0.42	ug/L			07/22/24 13:13	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/22/24 13:13	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/22/24 13:13	1
Dibromomethane	<0.58	F2	1.0	0.58	ug/L			07/22/24 13:13	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/22/24 13:13	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			07/22/24 13:13	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/22/24 13:13	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/22/24 13:13	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			07/22/24 13:13	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/22/24 13:13	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/22/24 13:13	1
Naphthalene	**0.76**	**J B**	1.0	0.44	ug/L			07/22/24 13:13	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/22/24 13:13	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			07/22/24 13:13	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/22/24 13:13	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-2

Date Collected: 07/17/24 15:00
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/22/24 13:13	1
Styrene	<0.31		1.0	0.31	ug/L			07/22/24 13:13	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/22/24 13:13	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/22/24 13:13	1
Toluene	<0.21		0.50	0.21	ug/L			07/22/24 13:13	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/22/24 13:13	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/22/24 13:13	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/22/24 13:13	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/22/24 13:13	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/22/24 13:13	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			07/22/24 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*07/22/24 13:13*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*07/22/24 13:13*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*07/22/24 13:13*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*07/22/24 13:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		07/23/24 13:40	07/24/24 14:20	1
2-Methylnaphthalene	<0.051		1.6	0.051	ug/L		07/23/24 13:40	07/24/24 14:20	1
Acenaphthene	<0.24		0.79	0.24	ug/L		07/23/24 13:40	07/24/24 14:20	1
Acenaphthylene	<0.21		0.79	0.21	ug/L		07/23/24 13:40	07/24/24 14:20	1
Anthracene	<0.26		0.79	0.26	ug/L		07/23/24 13:40	07/24/24 14:20	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		07/23/24 13:40	07/24/24 14:20	1
Benzo[a]pyrene	<0.078		0.16	0.078	ug/L		07/23/24 13:40	07/24/24 14:20	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		07/23/24 13:40	07/24/24 14:20	1
Benzo[g,h,i]perylene	<0.30		0.79	0.30	ug/L		07/23/24 13:40	07/24/24 14:20	1
Benzo[k]fluoranthene	<0.050		0.16	0.050	ug/L		07/23/24 13:40	07/24/24 14:20	1
Chrysene	<0.054		0.16	0.054	ug/L		07/23/24 13:40	07/24/24 14:20	1
Dibenz(a,h)anthracene	<0.040		0.24	0.040	ug/L		07/23/24 13:40	07/24/24 14:20	1
Fluoranthene	<0.36		0.79	0.36	ug/L		07/23/24 13:40	07/24/24 14:20	1
Fluorene	<0.19		0.79	0.19	ug/L		07/23/24 13:40	07/24/24 14:20	1
Indeno[1,2,3-cd]pyrene	<0.059		0.16	0.059	ug/L		07/23/24 13:40	07/24/24 14:20	1
Naphthalene	<0.24		0.79	0.24	ug/L		07/23/24 13:40	07/24/24 14:20	1
Phenanthrene	<0.24		0.79	0.24	ug/L		07/23/24 13:40	07/24/24 14:20	1
Pyrene	<0.34		0.79	0.34	ug/L		07/23/24 13:40	07/24/24 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*34 - 110*	*07/23/24 13:40*	*07/24/24 14:20*	*1*
Nitrobenzene-d5 (Surr)	*74*		*36 - 120*	*07/23/24 13:40*	*07/24/24 14:20*	*1*
Terphenyl-d14 (Surr)	*92*		*40 - 145*	*07/23/24 13:40*	*07/24/24 14:20*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		07/26/24 15:50	07/30/24 22:58	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-3

Date Collected: 07/17/24 13:45
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 13:01	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 13:01	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 13:01	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/19/24 13:01	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 13:01	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 13:01	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 13:01	1
1,2,3-Trichlorobenzene	<0.35	F1 F2	1.0	0.35	ug/L			07/19/24 13:01	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 13:01	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 13:01	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/19/24 13:01	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 13:01	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 13:01	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 13:01	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 13:01	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 13:01	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 13:01	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 13:01	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 13:01	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 13:01	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 13:01	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 13:01	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 13:01	1
Benzene	<0.18		0.50	0.18	ug/L			07/19/24 13:01	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 13:01	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 13:01	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 13:01	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 13:01	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 13:01	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 13:01	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 13:01	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 13:01	1
Chloroform	<0.92		2.0	0.92	ug/L			07/19/24 13:01	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 13:01	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 13:01	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 13:01	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 13:01	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 13:01	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 13:01	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			07/19/24 13:01	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 13:01	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 13:01	1
Isopropylbenzene	**0.63**	**J**	1.0	0.29	ug/L			07/19/24 13:01	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 13:01	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 13:01	1
Naphthalene	**0.44**	**J F2**	1.0	0.44	ug/L			07/19/24 13:01	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/19/24 13:01	1
N-Propylbenzene	**0.78**	**J**	1.0	0.32	ug/L			07/19/24 13:01	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/19/24 13:01	1

Client Sample ID: MW-3

Date Collected: 07/17/24 13:45
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/19/24 13:01	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 13:01	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 13:01	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 13:01	1
Toluene	<0.21		0.50	0.21	ug/L			07/19/24 13:01	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 13:01	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 13:01	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 13:01	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 13:01	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 13:01	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			07/19/24 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*07/19/24 13:01*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*07/19/24 13:01*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*07/19/24 13:01*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*07/19/24 13:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.23		1.5	0.23	ug/L		07/23/24 13:40	07/24/24 14:42	1
2-Methylnaphthalene	<0.049		1.5	0.049	ug/L		07/23/24 13:40	07/24/24 14:42	1
Acenaphthene	<0.23		0.75	0.23	ug/L		07/23/24 13:40	07/24/24 14:42	1
Acenaphthylene	<0.20		0.75	0.20	ug/L		07/23/24 13:40	07/24/24 14:42	1
Anthracene	<0.25		0.75	0.25	ug/L		07/23/24 13:40	07/24/24 14:42	1
Benzo[a]anthracene	<0.043		0.15	0.043	ug/L		07/23/24 13:40	07/24/24 14:42	1
Benzo[a]pyrene	<0.074		0.15	0.074	ug/L		07/23/24 13:40	07/24/24 14:42	1
Benzo[b]fluoranthene	<0.061		0.15	0.061	ug/L		07/23/24 13:40	07/24/24 14:42	1
Benzo[g,h,i]perylene	<0.28		0.75	0.28	ug/L		07/23/24 13:40	07/24/24 14:42	1
Benzo[k]fluoranthene	<0.048		0.15	0.048	ug/L		07/23/24 13:40	07/24/24 14:42	1
Chrysene	<0.051		0.15	0.051	ug/L		07/23/24 13:40	07/24/24 14:42	1
Dibenz(a,h)anthracene	<0.038		0.23	0.038	ug/L		07/23/24 13:40	07/24/24 14:42	1
Fluoranthene	<0.34		0.75	0.34	ug/L		07/23/24 13:40	07/24/24 14:42	1
Fluorene	<0.18		0.75	0.18	ug/L		07/23/24 13:40	07/24/24 14:42	1
Indeno[1,2,3-cd]pyrene	<0.056		0.15	0.056	ug/L		07/23/24 13:40	07/24/24 14:42	1
Naphthalene	<0.23		0.75	0.23	ug/L		07/23/24 13:40	07/24/24 14:42	1
Phenanthrene	<0.23		0.75	0.23	ug/L		07/23/24 13:40	07/24/24 14:42	1
Pyrene	<0.32		0.75	0.32	ug/L		07/23/24 13:40	07/24/24 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*34 - 110*	*07/23/24 13:40*	*07/24/24 14:42*	*1*
Nitrobenzene-d5 (Surr)	*67*		*36 - 120*	*07/23/24 13:40*	*07/24/24 14:42*	*1*
Terphenyl-d14 (Surr)	*90*		*40 - 145*	*07/23/24 13:40*	*07/24/24 14:42*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		07/26/24 15:50	07/30/24 23:00	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-4

Date Collected: 07/17/24 13:25
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 14:57	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 14:57	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 14:57	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/19/24 14:57	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 14:57	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 14:57	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 14:57	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/19/24 14:57	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 14:57	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 14:57	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/19/24 14:57	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 14:57	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 14:57	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 14:57	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 14:57	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 14:57	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 14:57	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 14:57	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 14:57	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 14:57	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 14:57	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 14:57	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 14:57	1
Benzene	<0.18		0.50	0.18	ug/L			07/19/24 14:57	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 14:57	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 14:57	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 14:57	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 14:57	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 14:57	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 14:57	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 14:57	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 14:57	1
Chloroform	<0.92		2.0	0.92	ug/L			07/19/24 14:57	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 14:57	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 14:57	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 14:57	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 14:57	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 14:57	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 14:57	1
Ethylbenzene	**0.29**	**J**	0.50	0.20	ug/L			07/19/24 14:57	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 14:57	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 14:57	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 14:57	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 14:57	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 14:57	1
Naphthalene	<0.44		1.0	0.44	ug/L			07/19/24 14:57	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/19/24 14:57	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			07/19/24 14:57	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/19/24 14:57	1

Client Sample ID: MW-4

Date Collected: 07/17/24 13:25
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/19/24 14:57	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 14:57	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 14:57	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 14:57	1
Toluene	<0.21		0.50	0.21	ug/L			07/19/24 14:57	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 14:57	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 14:57	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 14:57	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 14:57	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 14:57	1
Xylenes, Total	**0.47**	**J**	1.0	0.30	ug/L			07/19/24 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*07/19/24 14:57*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*07/19/24 14:57*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*07/19/24 14:57*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*07/19/24 14:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.23		1.6	0.23	ug/L		07/23/24 13:40	07/24/24 15:04	1
2-Methylnaphthalene	<0.051		1.6	0.051	ug/L		07/23/24 13:40	07/24/24 15:04	1
Acenaphthene	<0.24		0.78	0.24	ug/L		07/23/24 13:40	07/24/24 15:04	1
Acenaphthylene	<0.21		0.78	0.21	ug/L		07/23/24 13:40	07/24/24 15:04	1
Anthracene	<0.26		0.78	0.26	ug/L		07/23/24 13:40	07/24/24 15:04	1
Benzo[a]anthracene	<0.044		0.16	0.044	ug/L		07/23/24 13:40	07/24/24 15:04	1
Benzo[a]pyrene	<0.077		0.16	0.077	ug/L		07/23/24 13:40	07/24/24 15:04	1
Benzo[b]fluoranthene	<0.063		0.16	0.063	ug/L		07/23/24 13:40	07/24/24 15:04	1
Benzo[g,h,i]perylene	<0.29		0.78	0.29	ug/L		07/23/24 13:40	07/24/24 15:04	1
Benzo[k]fluoranthene	<0.050		0.16	0.050	ug/L		07/23/24 13:40	07/24/24 15:04	1
Chrysene	<0.053		0.16	0.053	ug/L		07/23/24 13:40	07/24/24 15:04	1
Dibenz(a,h)anthracene	<0.039		0.23	0.039	ug/L		07/23/24 13:40	07/24/24 15:04	1
Fluoranthene	<0.35		0.78	0.35	ug/L		07/23/24 13:40	07/24/24 15:04	1
Fluorene	<0.19		0.78	0.19	ug/L		07/23/24 13:40	07/24/24 15:04	1
Indeno[1,2,3-cd]pyrene	<0.058		0.16	0.058	ug/L		07/23/24 13:40	07/24/24 15:04	1
Naphthalene	<0.24		0.78	0.24	ug/L		07/23/24 13:40	07/24/24 15:04	1
Phenanthrene	<0.23		0.78	0.23	ug/L		07/23/24 13:40	07/24/24 15:04	1
Pyrene	<0.33		0.78	0.33	ug/L		07/23/24 13:40	07/24/24 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*34 - 110*	*07/23/24 13:40*	*07/24/24 15:04*	*1*
Nitrobenzene-d5 (Surr)	*82*		*36 - 120*	*07/23/24 13:40*	*07/24/24 15:04*	*1*
Terphenyl-d14 (Surr)	*98*		*40 - 145*	*07/23/24 13:40*	*07/24/24 15:04*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		07/26/24 15:50	07/30/24 23:02	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-5

Date Collected: 07/17/24 09:50
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 14:11	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 14:11	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 14:11	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/19/24 14:11	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 14:11	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 14:11	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 14:11	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/19/24 14:11	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 14:11	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 14:11	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/19/24 14:11	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 14:11	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 14:11	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 14:11	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 14:11	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 14:11	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 14:11	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 14:11	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 14:11	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 14:11	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 14:11	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 14:11	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 14:11	1
Benzene	<0.18		0.50	0.18	ug/L			07/19/24 14:11	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 14:11	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 14:11	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 14:11	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 14:11	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 14:11	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 14:11	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 14:11	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 14:11	1
Chloroform	<0.92		2.0	0.92	ug/L			07/19/24 14:11	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 14:11	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 14:11	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 14:11	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 14:11	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 14:11	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 14:11	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			07/19/24 14:11	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 14:11	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 14:11	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 14:11	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 14:11	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 14:11	1
Naphthalene	<0.44		1.0	0.44	ug/L			07/19/24 14:11	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/19/24 14:11	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			07/19/24 14:11	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/19/24 14:11	1

Client Sample ID: MW-5

Date Collected: 07/17/24 09:50
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/19/24 14:11	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 14:11	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 14:11	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 14:11	1
Toluene	<0.21		0.50	0.21	ug/L			07/19/24 14:11	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 14:11	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 14:11	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 14:11	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 14:11	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 14:11	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			07/19/24 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*07/19/24 14:11*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*07/19/24 14:11*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*07/19/24 14:11*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*07/19/24 14:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		07/18/24 15:00	07/19/24 15:03	1
2-Methylnaphthalene	<0.051		1.6	0.051	ug/L		07/18/24 15:00	07/19/24 15:03	1
Acenaphthene	<0.24		0.79	0.24	ug/L		07/18/24 15:00	07/19/24 15:03	1
Acenaphthylene	<0.21		0.79	0.21	ug/L		07/18/24 15:00	07/19/24 15:03	1
Anthracene	<0.26		0.79	0.26	ug/L		07/18/24 15:00	07/19/24 15:03	1
Benzo[a]anthracene	<0.045	*-	0.16	0.045	ug/L		07/18/24 15:00	07/19/24 15:03	1
Benzo[a]pyrene	<0.078		0.16	0.078	ug/L		07/18/24 15:00	07/19/24 15:03	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		07/18/24 15:00	07/19/24 15:03	1
Benzo[g,h,i]perylene	<0.30		0.79	0.30	ug/L		07/18/24 15:00	07/19/24 15:03	1
Benzo[k]fluoranthene	<0.050		0.16	0.050	ug/L		07/18/24 15:00	07/19/24 15:03	1
Chrysene	<0.054		0.16	0.054	ug/L		07/18/24 15:00	07/19/24 15:03	1
Dibenz(a,h)anthracene	<0.040		0.24	0.040	ug/L		07/18/24 15:00	07/19/24 15:03	1
Fluoranthene	<0.36		0.79	0.36	ug/L		07/18/24 15:00	07/19/24 15:03	1
Fluorene	<0.19	*- *1	0.79	0.19	ug/L		07/18/24 15:00	07/19/24 15:03	1
Indeno[1,2,3-cd]pyrene	<0.059		0.16	0.059	ug/L		07/18/24 15:00	07/19/24 15:03	1
Naphthalene	<0.24		0.79	0.24	ug/L		07/18/24 15:00	07/19/24 15:03	1
Phenanthrene	<0.24	*- *1	0.79	0.24	ug/L		07/18/24 15:00	07/19/24 15:03	1
Pyrene	<0.34	*-	0.79	0.34	ug/L		07/18/24 15:00	07/19/24 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*34 - 110*	*07/18/24 15:00*	*07/19/24 15:03*	*1*
Nitrobenzene-d5 (Surr)	*56*		*36 - 120*	*07/18/24 15:00*	*07/19/24 15:03*	*1*
Terphenyl-d14 (Surr)	*87*		*40 - 145*	*07/18/24 15:00*	*07/19/24 15:03*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		07/26/24 15:50	07/30/24 23:04	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-6

Date Collected: 07/17/24 11:05
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 13:24	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 13:24	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 13:24	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/19/24 13:24	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 13:24	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 13:24	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 13:24	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/19/24 13:24	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 13:24	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 13:24	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/19/24 13:24	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 13:24	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 13:24	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 13:24	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 13:24	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 13:24	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 13:24	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 13:24	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 13:24	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 13:24	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 13:24	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 13:24	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 13:24	1
Benzene	<0.18		0.50	0.18	ug/L			07/19/24 13:24	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 13:24	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 13:24	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 13:24	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 13:24	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 13:24	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 13:24	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 13:24	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 13:24	1
Chloroform	<0.92		2.0	0.92	ug/L			07/19/24 13:24	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 13:24	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 13:24	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 13:24	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 13:24	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 13:24	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 13:24	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			07/19/24 13:24	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 13:24	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 13:24	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 13:24	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 13:24	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 13:24	1
Naphthalene	<0.44		1.0	0.44	ug/L			07/19/24 13:24	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/19/24 13:24	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			07/19/24 13:24	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/19/24 13:24	1

Client Sample ID: MW-6

Date Collected: 07/17/24 11:05
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/19/24 13:24	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 13:24	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 13:24	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 13:24	1
Toluene	<0.21		0.50	0.21	ug/L			07/19/24 13:24	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 13:24	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 13:24	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 13:24	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 13:24	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 13:24	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			07/19/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*07/19/24 13:24*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*07/19/24 13:24*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*07/19/24 13:24*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*07/19/24 13:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		07/18/24 15:00	07/19/24 15:28	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		07/18/24 15:00	07/19/24 15:28	1
Acenaphthene	<0.24		0.79	0.24	ug/L		07/18/24 15:00	07/19/24 15:28	1
Acenaphthylene	<0.21		0.79	0.21	ug/L		07/18/24 15:00	07/19/24 15:28	1
Anthracene	<0.26		0.79	0.26	ug/L		07/18/24 15:00	07/19/24 15:28	1
Benzo[a]anthracene	<0.045	*-	0.16	0.045	ug/L		07/18/24 15:00	07/19/24 15:28	1
Benzo[a]pyrene	<0.078		0.16	0.078	ug/L		07/18/24 15:00	07/19/24 15:28	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		07/18/24 15:00	07/19/24 15:28	1
Benzo[g,h,i]perylene	<0.30		0.79	0.30	ug/L		07/18/24 15:00	07/19/24 15:28	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		07/18/24 15:00	07/19/24 15:28	1
Chrysene	<0.054		0.16	0.054	ug/L		07/18/24 15:00	07/19/24 15:28	1
Dibenz(a,h)anthracene	<0.040		0.24	0.040	ug/L		07/18/24 15:00	07/19/24 15:28	1
Fluoranthene	<0.36		0.79	0.36	ug/L		07/18/24 15:00	07/19/24 15:28	1
Fluorene	<0.19	*- *1	0.79	0.19	ug/L		07/18/24 15:00	07/19/24 15:28	1
Indeno[1,2,3-cd]pyrene	<0.059		0.16	0.059	ug/L		07/18/24 15:00	07/19/24 15:28	1
Naphthalene	<0.24		0.79	0.24	ug/L		07/18/24 15:00	07/19/24 15:28	1
Phenanthrene	<0.24	*- *1	0.79	0.24	ug/L		07/18/24 15:00	07/19/24 15:28	1
Pyrene	<0.34	*-	0.79	0.34	ug/L		07/18/24 15:00	07/19/24 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*34 - 110*	*07/18/24 15:00*	*07/19/24 15:28*	*1*
Nitrobenzene-d5 (Surr)	*73*		*36 - 120*	*07/18/24 15:00*	*07/19/24 15:28*	*1*
Terphenyl-d14 (Surr)	*97*		*40 - 145*	*07/18/24 15:00*	*07/19/24 15:28*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		07/26/24 15:50	07/30/24 23:06	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-7

Date Collected: 07/17/24 12:15
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 13:47	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 13:47	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 13:47	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/19/24 13:47	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 13:47	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 13:47	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 13:47	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/19/24 13:47	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 13:47	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 13:47	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/19/24 13:47	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 13:47	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 13:47	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 13:47	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 13:47	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 13:47	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 13:47	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 13:47	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 13:47	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 13:47	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 13:47	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 13:47	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 13:47	1
Benzene	<0.18		0.50	0.18	ug/L			07/19/24 13:47	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 13:47	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 13:47	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 13:47	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 13:47	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 13:47	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 13:47	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 13:47	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 13:47	1
Chloroform	**2.0**		2.0	0.92	ug/L			07/19/24 13:47	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 13:47	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 13:47	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 13:47	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 13:47	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 13:47	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 13:47	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			07/19/24 13:47	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 13:47	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 13:47	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 13:47	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 13:47	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 13:47	1
Naphthalene	<0.44		1.0	0.44	ug/L			07/19/24 13:47	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/19/24 13:47	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			07/19/24 13:47	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/19/24 13:47	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-7

Date Collected: 07/17/24 12:15
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/19/24 13:47	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 13:47	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 13:47	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 13:47	1
Toluene	<0.21		0.50	0.21	ug/L			07/19/24 13:47	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 13:47	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 13:47	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 13:47	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 13:47	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 13:47	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			07/19/24 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*07/19/24 13:47*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*07/19/24 13:47*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*07/19/24 13:47*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*07/19/24 13:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25		1.6	0.25	ug/L		07/23/24 13:40	07/24/24 15:26	1
2-Methylnaphthalene	<0.054		1.6	0.054	ug/L		07/23/24 13:40	07/24/24 15:26	1
Acenaphthene	<0.25		0.82	0.25	ug/L		07/23/24 13:40	07/24/24 15:26	1
Acenaphthylene	<0.22		0.82	0.22	ug/L		07/23/24 13:40	07/24/24 15:26	1
Anthracene	<0.28		0.82	0.28	ug/L		07/23/24 13:40	07/24/24 15:26	1
Benzo[a]anthracene	<0.047		0.16	0.047	ug/L		07/23/24 13:40	07/24/24 15:26	1
Benzo[a]pyrene	<0.082		0.16	0.082	ug/L		07/23/24 13:40	07/24/24 15:26	1
Benzo[b]fluoranthene	<0.066		0.16	0.066	ug/L		07/23/24 13:40	07/24/24 15:26	1
Benzo[g,h,i]perylene	<0.31		0.82	0.31	ug/L		07/23/24 13:40	07/24/24 15:26	1
Benzo[k]fluoranthene	<0.053		0.16	0.053	ug/L		07/23/24 13:40	07/24/24 15:26	1
Chrysene	<0.056		0.16	0.056	ug/L		07/23/24 13:40	07/24/24 15:26	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		07/23/24 13:40	07/24/24 15:26	1
Fluoranthene	<0.37		0.82	0.37	ug/L		07/23/24 13:40	07/24/24 15:26	1
Fluorene	<0.20		0.82	0.20	ug/L		07/23/24 13:40	07/24/24 15:26	1
Indeno[1,2,3-cd]pyrene	<0.062		0.16	0.062	ug/L		07/23/24 13:40	07/24/24 15:26	1
Naphthalene	<0.25		0.82	0.25	ug/L		07/23/24 13:40	07/24/24 15:26	1
Phenanthrene	<0.25		0.82	0.25	ug/L		07/23/24 13:40	07/24/24 15:26	1
Pyrene	<0.35		0.82	0.35	ug/L		07/23/24 13:40	07/24/24 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*34 - 110*	*07/23/24 13:40*	*07/24/24 15:26*	*1*
Nitrobenzene-d5 (Surr)	*79*		*36 - 120*	*07/23/24 13:40*	*07/24/24 15:26*	*1*
Terphenyl-d14 (Surr)	*95*		*40 - 145*	*07/23/24 13:40*	*07/24/24 15:26*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		07/26/24 15:50	07/30/24 23:08	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: Duplicate

Date Collected: 07/17/24 00:00
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 15:43	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 15:43	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 15:43	1
1,1,2-Trichloroethane	**1.4**		1.0	0.73	ug/L			07/19/24 15:43	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 15:43	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 15:43	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 15:43	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/19/24 15:43	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 15:43	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 15:43	1
1,2,4-Trimethylbenzene	**35**		1.0	0.30	ug/L			07/19/24 15:43	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 15:43	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 15:43	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 15:43	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 15:43	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 15:43	1
1,3,5-Trimethylbenzene	**9.2**		1.0	0.29	ug/L			07/19/24 15:43	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 15:43	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 15:43	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 15:43	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 15:43	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 15:43	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 15:43	1
Benzene	**9.6**		0.50	0.18	ug/L			07/19/24 15:43	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 15:43	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 15:43	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 15:43	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 15:43	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 15:43	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 15:43	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 15:43	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 15:43	1
Chloroform	<0.92		2.0	0.92	ug/L			07/19/24 15:43	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 15:43	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 15:43	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 15:43	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 15:43	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 15:43	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 15:43	1
Ethylbenzene	**120**		0.50	0.20	ug/L			07/19/24 15:43	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 15:43	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 15:43	1
Isopropylbenzene	**28**		1.0	0.29	ug/L			07/19/24 15:43	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 15:43	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 15:43	1
Naphthalene	**16**		1.0	0.44	ug/L			07/19/24 15:43	1
n-Butylbenzene	**4.0**		1.0	0.33	ug/L			07/19/24 15:43	1
N-Propylbenzene	**52**		1.0	0.32	ug/L			07/19/24 15:43	1
p-Isopropyltoluene	**0.92**	**J**	1.0	0.29	ug/L			07/19/24 15:43	1

Client Sample ID: Duplicate

Lab Sample ID: 500-253675-8

Date Collected: 07/17/24 00:00

Matrix: Water

Date Received: 07/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**3.1**		1.0	0.27	ug/L			07/19/24 15:43	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 15:43	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 15:43	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 15:43	1
Toluene	**1.2**		0.50	0.21	ug/L			07/19/24 15:43	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 15:43	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 15:43	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 15:43	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 15:43	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 15:43	1
Xylenes, Total	**150**		1.0	0.30	ug/L			07/19/24 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*07/19/24 15:43*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*07/19/24 15:43*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*07/19/24 15:43*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*07/19/24 15:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.73	H	1.0	0.73	ug/L			08/01/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*08/01/24 18:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*08/01/24 18:38*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/01/24 18:38*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/01/24 18:38*	*1*

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: Trip Blank

Date Collected: 07/17/24 00:00
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 11:52	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 11:52	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 11:52	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/19/24 11:52	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 11:52	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 11:52	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 11:52	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/19/24 11:52	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 11:52	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 11:52	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/19/24 11:52	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 11:52	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 11:52	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 11:52	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 11:52	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 11:52	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 11:52	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 11:52	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 11:52	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 11:52	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 11:52	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 11:52	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 11:52	1
Benzene	<0.18		0.50	0.18	ug/L			07/19/24 11:52	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 11:52	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 11:52	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 11:52	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 11:52	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 11:52	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 11:52	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 11:52	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 11:52	1
Chloroform	<0.92		2.0	0.92	ug/L			07/19/24 11:52	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 11:52	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 11:52	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 11:52	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 11:52	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 11:52	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 11:52	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			07/19/24 11:52	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 11:52	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 11:52	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 11:52	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 11:52	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 11:52	1
Naphthalene	<0.44		1.0	0.44	ug/L			07/19/24 11:52	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/19/24 11:52	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			07/19/24 11:52	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/19/24 11:52	1

Client Sample Results

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-253675-9

Date Collected: 07/17/24 00:00

Matrix: Water

Date Received: 07/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/19/24 11:52	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 11:52	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 11:52	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 11:52	1
Toluene	<0.21		0.50	0.21	ug/L			07/19/24 11:52	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 11:52	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 11:52	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 11:52	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 11:52	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 11:52	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			07/19/24 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*07/19/24 11:52*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*07/19/24 11:52*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*07/19/24 11:52*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*07/19/24 11:52*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

QC Association Summary

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

GC/MS VOA

Analysis Batch: 777447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-1	MW-1	Total/NA	Water	8260D	
500-253675-3	MW-3	Total/NA	Water	8260D	
500-253675-4	MW-4	Total/NA	Water	8260D	
500-253675-5	MW-5	Total/NA	Water	8260D	
500-253675-6	MW-6	Total/NA	Water	8260D	
500-253675-7	MW-7	Total/NA	Water	8260D	
500-253675-8	Duplicate	Total/NA	Water	8260D	
500-253675-9	Trip Blank	Total/NA	Water	8260D	
MB 500-777447/7	Method Blank	Total/NA	Water	8260D	
LCS 500-777447/4	Lab Control Sample	Total/NA	Water	8260D	
500-253675-3 MS	MW-3	Total/NA	Water	8260D	
500-253675-3 MSD	MW-3	Total/NA	Water	8260D	

Analysis Batch: 777692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-2	MW-2	Total/NA	Water	8260D	
MB 500-777692/7	Method Blank	Total/NA	Water	8260D	
LCS 500-777692/5	Lab Control Sample	Total/NA	Water	8260D	
500-253675-2 MS	MW-2	Total/NA	Water	8260D	
500-253675-2 MSD	MW-2	Total/NA	Water	8260D	

Analysis Batch: 779414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-8 - RA	Duplicate	Total/NA	Water	8260D	
MB 500-779414/7	Method Blank	Total/NA	Water	8260D	
LCS 500-779414/4	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 777394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-5	MW-5	Total/NA	Water	3510C	
500-253675-6	MW-6	Total/NA	Water	3510C	
MB 500-777394/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-777394/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-777394/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 777470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-5	MW-5	Total/NA	Water	8270E	777394
500-253675-6	MW-6	Total/NA	Water	8270E	777394

Analysis Batch: 777678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-777394/1-A	Method Blank	Total/NA	Water	8270E	777394
LCS 500-777394/2-A	Lab Control Sample	Total/NA	Water	8270E	777394
LCSD 500-777394/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	777394

Prep Batch: 777999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-1	MW-1	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 777999 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-2	MW-2	Total/NA	Water	3510C	
500-253675-3	MW-3	Total/NA	Water	3510C	
500-253675-4	MW-4	Total/NA	Water	3510C	
500-253675-7	MW-7	Total/NA	Water	3510C	
MB 500-777999/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-777999/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-777999/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 778127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-1	MW-1	Total/NA	Water	8270E	777999
500-253675-2	MW-2	Total/NA	Water	8270E	777999
500-253675-3	MW-3	Total/NA	Water	8270E	777999
500-253675-4	MW-4	Total/NA	Water	8270E	777999
500-253675-7	MW-7	Total/NA	Water	8270E	777999
MB 500-777999/1-A	Method Blank	Total/NA	Water	8270E	777999
LCS 500-777999/2-A	Lab Control Sample	Total/NA	Water	8270E	777999
LCSD 500-777999/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	777999

Metals

Prep Batch: 778644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-1	MW-1	Dissolved	Water	3005A	
500-253675-2	MW-2	Dissolved	Water	3005A	
500-253675-3	MW-3	Dissolved	Water	3005A	
500-253675-4	MW-4	Dissolved	Water	3005A	
500-253675-5	MW-5	Dissolved	Water	3005A	
500-253675-6	MW-6	Dissolved	Water	3005A	
500-253675-7	MW-7	Dissolved	Water	3005A	
MB 500-778644/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-778644/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 779182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253675-1	MW-1	Dissolved	Water	6020B	778644
500-253675-2	MW-2	Dissolved	Water	6020B	778644
500-253675-3	MW-3	Dissolved	Water	6020B	778644
500-253675-4	MW-4	Dissolved	Water	6020B	778644
500-253675-5	MW-5	Dissolved	Water	6020B	778644
500-253675-6	MW-6	Dissolved	Water	6020B	778644
500-253675-7	MW-7	Dissolved	Water	6020B	778644
MB 500-778644/1-A	Method Blank	Total Recoverable	Water	6020B	778644
LCS 500-778644/2-A	Lab Control Sample	Total Recoverable	Water	6020B	778644

Surrogate Summary

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

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	(75-126)	(72-124)	(75-120)	(75-120)
500-253675-1	MW-1	89	91	90	90
500-253675-2	MW-2	87	89	89	92
500-253675-2 MS	MW-2	85	88	88	91
500-253675-2 MSD	MW-2	82	91	86	92
500-253675-3	MW-3	94	91	93	90
500-253675-3 MS	MW-3	91	93	90	91
500-253675-3 MSD	MW-3	90	95	89	89
500-253675-4	MW-4	93	90	92	88
500-253675-5	MW-5	95	90	92	88
500-253675-6	MW-6	95	91	92	89
500-253675-7	MW-7	94	89	91	89
500-253675-8	Duplicate	91	91	90	91
500-253675-8 - RA	Duplicate	97	101	92	94
500-253675-9	Trip Blank	92	89	93	90
LCS 500-777447/4	Lab Control Sample	89	93	90	90
LCS 500-777692/5	Lab Control Sample	81	89	87	92
LCS 500-779414/4	Lab Control Sample	91	98	90	94
MB 500-777447/7	Method Blank	95	89	94	90
MB 500-777692/7	Method Blank	83	90	87	91
MB 500-779414/7	Method Blank	99	102	97	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
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)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(34-110)	(36-120)	(40-145)
500-253675-1	MW-1	68	71	91
500-253675-2	MW-2	70	74	92
500-253675-3	MW-3	62	67	90
500-253675-4	MW-4	77	82	98
500-253675-5	MW-5	51	56	87
500-253675-6	MW-6	64	73	97
500-253675-7	MW-7	74	79	95
LCS 500-777394/2-A	Lab Control Sample	59	69	87
LCS 500-777999/2-A	Lab Control Sample	74	79	93
LCSD 500-777394/3-A	Lab Control Sample Dup	51	58	79
LCSD 500-777999/3-A	Lab Control Sample Dup	110	115	130
MB 500-777394/1-A	Method Blank	54	68	96
MB 500-777999/1-A	Method Blank	63	72	94

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 500-777447/7
Matrix: Water
Analysis Batch: 777447

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/19/24 11:06	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/19/24 11:06	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/19/24 11:06	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/19/24 11:06	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/19/24 11:06	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/19/24 11:06	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/19/24 11:06	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/19/24 11:06	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/19/24 11:06	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/19/24 11:06	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/19/24 11:06	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/19/24 11:06	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/19/24 11:06	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/19/24 11:06	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/19/24 11:06	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/19/24 11:06	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 11:06	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 11:06	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/19/24 11:06	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/19/24 11:06	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/19/24 11:06	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/19/24 11:06	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/19/24 11:06	1
Benzene	<0.18		0.50	0.18	ug/L			07/19/24 11:06	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/19/24 11:06	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/19/24 11:06	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/19/24 11:06	1
Bromoform	<0.96		1.0	0.96	ug/L			07/19/24 11:06	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/19/24 11:06	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/19/24 11:06	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/19/24 11:06	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/19/24 11:06	1
Chloroform	<0.92		2.0	0.92	ug/L			07/19/24 11:06	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/19/24 11:06	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/19/24 11:06	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/19/24 11:06	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/19/24 11:06	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/19/24 11:06	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/19/24 11:06	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			07/19/24 11:06	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/19/24 11:06	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/19/24 11:06	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			07/19/24 11:06	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/19/24 11:06	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/19/24 11:06	1
Naphthalene	<0.44		1.0	0.44	ug/L			07/19/24 11:06	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/19/24 11:06	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			07/19/24 11:06	1

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

Lab Sample ID: MB 500-777447/7
Matrix: Water
Analysis Batch: 777447

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/19/24 11:06	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/19/24 11:06	1
Styrene	<0.31		1.0	0.31	ug/L			07/19/24 11:06	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/19/24 11:06	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/19/24 11:06	1
Toluene	<0.21		0.50	0.21	ug/L			07/19/24 11:06	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/19/24 11:06	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/19/24 11:06	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/19/24 11:06	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/19/24 11:06	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/19/24 11:06	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			07/19/24 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*07/19/24 11:06*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*07/19/24 11:06*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*07/19/24 11:06*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*07/19/24 11:06*	*1*

Lab Sample ID: LCS 500-777447/4
Matrix: Water
Analysis Batch: 777447

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	49.0		ug/L		98	70 - 125
1,1,1-Trichloroethane	50.0	52.2		ug/L		104	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.5		ug/L		87	62 - 140
1,1,2-Trichloroethane	50.0	46.8		ug/L		94	71 - 130
1,1-Dichloroethane	50.0	50.7		ug/L		101	70 - 125
1,1-Dichloroethene	50.0	51.9		ug/L		104	67 - 122
1,1-Dichloropropene	50.0	50.5		ug/L		101	70 - 121
1,2,3-Trichlorobenzene	50.0	30.4		ug/L		61	51 - 145
1,2,3-Trichloropropane	50.0	42.3		ug/L		85	50 - 133
1,2,4-Trichlorobenzene	50.0	38.9		ug/L		78	57 - 137
1,2,4-Trimethylbenzene	50.0	47.7		ug/L		95	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.2		ug/L		72	56 - 123
1,2-Dibromoethane (EDB)	50.0	45.1		ug/L		90	70 - 125
1,2-Dichlorobenzene	50.0	45.6		ug/L		91	70 - 125
1,2-Dichloroethane	50.0	47.4		ug/L		95	68 - 127
1,2-Dichloropropane	50.0	49.4		ug/L		99	67 - 130
1,3,5-Trimethylbenzene	50.0	47.5		ug/L		95	70 - 123
1,3-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 125
1,3-Dichloropropane	50.0	49.0		ug/L		98	62 - 136
1,4-Dichlorobenzene	50.0	46.0		ug/L		92	70 - 120
2,2-Dichloropropane	50.0	55.2		ug/L		110	58 - 139
2-Chlorotoluene	50.0	47.4		ug/L		95	70 - 125
4-Chlorotoluene	50.0	47.6		ug/L		95	68 - 124
Benzene	50.0	47.3		ug/L		95	70 - 120

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

Lab Sample ID: LCS 500-777447/4
Matrix: Water
Analysis Batch: 777447

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	45.5		ug/L		91	70 - 122
Bromochloromethane	50.0	46.1		ug/L		92	65 - 122
Bromodichloromethane	50.0	47.3		ug/L		95	69 - 120
Bromoform	50.0	44.9		ug/L		90	56 - 132
Bromomethane	50.0	65.5		ug/L		131	40 - 152
Carbon tetrachloride	50.0	52.0		ug/L		104	59 - 133
Chlorobenzene	50.0	47.4		ug/L		95	70 - 120
Chloroethane	50.0	63.2		ug/L		126	48 - 136
Chloroform	50.0	48.7		ug/L		97	70 - 120
Chloromethane	50.0	64.5		ug/L		129	56 - 152
cis-1,2-Dichloroethene	50.0	48.0		ug/L		96	70 - 125
cis-1,3-Dichloropropene	50.0	46.3		ug/L		93	64 - 127
Dibromochloromethane	50.0	46.1		ug/L		92	68 - 125
Dibromomethane	50.0	46.0		ug/L		92	70 - 120
Dichlorodifluoromethane	50.0	65.0		ug/L		130	40 - 159
Ethylbenzene	50.0	47.8		ug/L		96	70 - 123
Hexachlorobutadiene	50.0	42.2		ug/L		84	51 - 150
Isopropylbenzene	50.0	46.8		ug/L		94	70 - 126
Methyl tert-butyl ether	50.0	47.2		ug/L		94	55 - 123
Methylene Chloride	50.0	46.4		ug/L		93	69 - 125
Naphthalene	50.0	34.6		ug/L		69	53 - 144
n-Butylbenzene	50.0	45.8		ug/L		92	68 - 125
N-Propylbenzene	50.0	46.6		ug/L		93	69 - 127
p-Isopropyltoluene	50.0	45.7		ug/L		91	70 - 125
sec-Butylbenzene	50.0	45.9		ug/L		92	70 - 123
Styrene	50.0	49.8		ug/L		100	70 - 120
tert-Butylbenzene	50.0	45.7		ug/L		91	70 - 121
Tetrachloroethene	50.0	47.2		ug/L		94	70 - 128
Toluene	50.0	45.1		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	49.7		ug/L		99	70 - 125
trans-1,3-Dichloropropene	50.0	46.9		ug/L		94	62 - 128
Trichloroethene	50.0	45.6		ug/L		91	70 - 125
Trichlorofluoromethane	50.0	58.1		ug/L		116	55 - 128
Vinyl chloride	50.0	56.2		ug/L		112	64 - 126
Xylenes, Total	100	98.8		ug/L		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane (Surr)	*90*		*75 - 120*
Toluene-d8 (Surr)	*90*		*75 - 120*

Lab Sample ID: 500-253675-3 MS
Matrix: Water
Analysis Batch: 777447

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.67		50.0	49.3		ug/L		99	70 - 125

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

Lab Sample ID: 500-253675-3 MS
Matrix: Water
Analysis Batch: 777447

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<0.45		50.0	49.5		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	<0.65		50.0	45.4		ug/L		91	62 - 140
1,1,2-Trichloroethane	<0.73		50.0	48.6		ug/L		97	71 - 130
1,1-Dichloroethane	<0.36		50.0	47.9		ug/L		96	70 - 125
1,1-Dichloroethene	<0.48		50.0	50.0		ug/L		100	67 - 122
1,1-Dichloropropene	<0.33		50.0	47.3		ug/L		95	70 - 121
1,2,3-Trichlorobenzene	<0.35	F1 F2	50.0	19.6	F1	ug/L		39	51 - 145
1,2,3-Trichloropropane	<1.5		50.0	43.1		ug/L		86	50 - 133
1,2,4-Trichlorobenzene	<0.31		50.0	32.7		ug/L		65	57 - 137
1,2,4-Trimethylbenzene	<0.30		50.0	48.2		ug/L		96	70 - 123
1,2-Dibromo-3-Chloropropane	<3.9		50.0	35.8		ug/L		72	56 - 123
1,2-Dibromoethane (EDB)	<0.56		50.0	46.2		ug/L		92	70 - 125
1,2-Dichlorobenzene	<0.48		50.0	46.4		ug/L		93	70 - 125
1,2-Dichloroethane	<0.58		50.0	47.1		ug/L		94	68 - 127
1,2-Dichloropropane	<0.37		50.0	49.0		ug/L		98	67 - 130
1,3,5-Trimethylbenzene	<0.29		50.0	48.7		ug/L		97	70 - 123
1,3-Dichlorobenzene	<0.41		50.0	46.2		ug/L		92	70 - 125
1,3-Dichloropropane	<0.56		50.0	51.0		ug/L		102	62 - 136
1,4-Dichlorobenzene	<0.45		50.0	45.9		ug/L		92	70 - 120
2,2-Dichloropropane	<0.48		50.0	51.4		ug/L		103	58 - 139
2-Chlorotoluene	<0.36		50.0	47.6		ug/L		95	70 - 125
4-Chlorotoluene	<0.34		50.0	47.4		ug/L		95	68 - 124
Benzene	<0.18		50.0	46.8		ug/L		94	70 - 120
Bromobenzene	<0.60		50.0	46.1		ug/L		92	70 - 122
Bromochloromethane	<0.50		50.0	46.1		ug/L		92	65 - 122
Bromodichloromethane	<0.57		50.0	48.1		ug/L		96	69 - 120
Bromoform	<0.96		50.0	47.1		ug/L		94	56 - 132
Bromomethane	<1.8		50.0	55.4		ug/L		111	40 - 152
Carbon tetrachloride	<0.41		50.0	48.0		ug/L		96	59 - 133
Chlorobenzene	<0.41		50.0	47.4		ug/L		95	70 - 120
Chloroethane	<0.47		50.0	56.1		ug/L		112	48 - 136
Chloroform	<0.92		50.0	48.3		ug/L		97	70 - 120
Chloromethane	<0.79		50.0	57.4		ug/L		115	56 - 152
cis-1,2-Dichloroethene	<0.42		50.0	46.9		ug/L		94	70 - 125
cis-1,3-Dichloropropene	<0.52		50.0	45.2		ug/L		90	64 - 127
Dibromochloromethane	<0.83		50.0	47.4		ug/L		95	68 - 125
Dibromomethane	<0.58		50.0	47.2		ug/L		94	70 - 120
Dichlorodifluoromethane	<1.8		50.0	64.7		ug/L		129	40 - 159
Ethylbenzene	<0.20		50.0	48.4		ug/L		97	70 - 123
Hexachlorobutadiene	<0.54		50.0	42.4		ug/L		85	51 - 150
Isopropylbenzene	0.63	J	50.0	48.0		ug/L		95	70 - 126
Methyl tert-butyl ether	<0.43		50.0	46.9		ug/L		94	55 - 123
Methylene Chloride	<3.6		50.0	45.5		ug/L		91	69 - 125
Naphthalene	0.44	J F2	50.0	27.8		ug/L		56	53 - 144
n-Butylbenzene	<0.33		50.0	46.4		ug/L		93	68 - 125
N-Propylbenzene	0.78	J	50.0	47.5		ug/L		93	69 - 127
p-Isopropyltoluene	<0.29		50.0	47.7		ug/L		95	70 - 125
sec-Butylbenzene	<0.27		50.0	48.3		ug/L		97	70 - 123
Styrene	<0.31		50.0	51.1		ug/L		102	70 - 120

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

Lab Sample ID: 500-253675-3 MS
Matrix: Water
Analysis Batch: 777447

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	<0.26		50.0	47.9		ug/L		96	70 - 121
Tetrachloroethene	<0.39		50.0	46.0		ug/L		92	70 - 128
Toluene	<0.21		50.0	44.8		ug/L		90	70 - 125
trans-1,2-Dichloroethene	<0.44		50.0	48.6		ug/L		97	70 - 125
trans-1,3-Dichloropropene	<0.63		50.0	46.0		ug/L		92	62 - 128
Trichloroethene	<0.15		50.0	44.5		ug/L		89	70 - 125
Trichlorofluoromethane	<0.44		50.0	50.4		ug/L		101	55 - 128
Vinyl chloride	<0.47		50.0	52.9		ug/L		106	64 - 126
Xylenes, Total	<0.30		100	100		ug/L		100	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane (Surr)	*90*		*75 - 120*
Toluene-d8 (Surr)	*91*		*75 - 120*

Lab Sample ID: 500-253675-3 MSD
Matrix: Water
Analysis Batch: 777447

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.67		50.0	48.1		ug/L		96	70 - 125	2	20
1,1,1-Trichloroethane	<0.45		50.0	49.5		ug/L		99	70 - 125	0	20
1,1,2,2-Tetrachloroethane	<0.65		50.0	45.4		ug/L		91	62 - 140	0	20
1,1,2-Trichloroethane	<0.73		50.0	46.3		ug/L		93	71 - 130	5	20
1,1-Dichloroethane	<0.36		50.0	47.3		ug/L		95	70 - 125	1	20
1,1-Dichloroethene	<0.48		50.0	47.0		ug/L		94	67 - 122	6	20
1,1-Dichloropropene	<0.33		50.0	46.2		ug/L		92	70 - 121	2	20
1,2,3-Trichlorobenzene	<0.35	F1 F2	50.0	27.6	F2	ug/L		55	51 - 145	34	20
1,2,3-Trichloropropane	<1.5		50.0	45.8		ug/L		92	50 - 133	6	20
1,2,4-Trichlorobenzene	<0.31		50.0	36.4		ug/L		73	57 - 137	11	20
1,2,4-Trimethylbenzene	<0.30		50.0	47.2		ug/L		94	70 - 123	2	20
1,2-Dibromo-3-Chloropropane	<3.9		50.0	39.8		ug/L		80	56 - 123	11	20
1,2-Dibromoethane (EDB)	<0.56		50.0	45.0		ug/L		90	70 - 125	3	20
1,2-Dichlorobenzene	<0.48		50.0	45.3		ug/L		91	70 - 125	2	20
1,2-Dichloroethane	<0.58		50.0	46.4		ug/L		93	68 - 127	2	20
1,2-Dichloropropane	<0.37		50.0	47.2		ug/L		94	67 - 130	4	20
1,3,5-Trimethylbenzene	<0.29		50.0	48.1		ug/L		96	70 - 123	1	20
1,3-Dichlorobenzene	<0.41		50.0	46.2		ug/L		92	70 - 125	0	20
1,3-Dichloropropane	<0.56		50.0	48.0		ug/L		96	62 - 136	6	20
1,4-Dichlorobenzene	<0.45		50.0	45.1		ug/L		90	70 - 120	2	20
2,2-Dichloropropane	<0.48		50.0	49.8		ug/L		100	58 - 139	3	20
2-Chlorotoluene	<0.36		50.0	46.8		ug/L		94	70 - 125	2	20
4-Chlorotoluene	<0.34		50.0	47.2		ug/L		94	68 - 124	0	20
Benzene	<0.18		50.0	45.4		ug/L		91	70 - 120	3	20
Bromobenzene	<0.60		50.0	46.8		ug/L		94	70 - 122	2	20
Bromochloromethane	<0.50		50.0	43.2		ug/L		86	65 - 122	6	20
Bromodichloromethane	<0.57		50.0	47.5		ug/L		95	69 - 120	1	20

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

Lab Sample ID: 500-253675-3 MSD
Matrix: Water
Analysis Batch: 777447

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	<0.96		50.0	45.1		ug/L		90	56 - 132	4	20
Bromomethane	<1.8		50.0	56.5		ug/L		113	40 - 152	2	20
Carbon tetrachloride	<0.41		50.0	47.1		ug/L		94	59 - 133	2	20
Chlorobenzene	<0.41		50.0	45.8		ug/L		92	70 - 120	3	20
Chloroethane	<0.47		50.0	56.9		ug/L		114	48 - 136	1	20
Chloroform	<0.92		50.0	46.2		ug/L		92	70 - 120	4	20
Chloromethane	<0.79		50.0	52.4		ug/L		105	56 - 152	9	20
cis-1,2-Dichloroethene	<0.42		50.0	44.8		ug/L		90	70 - 125	5	20
cis-1,3-Dichloropropene	<0.52		50.0	43.3		ug/L		87	64 - 127	4	20
Dibromochloromethane	<0.83		50.0	46.0		ug/L		92	68 - 125	3	20
Dibromomethane	<0.58		50.0	46.2		ug/L		92	70 - 120	2	20
Dichlorodifluoromethane	<1.8		50.0	66.4		ug/L		133	40 - 159	3	20
Ethylbenzene	<0.20		50.0	46.1		ug/L		92	70 - 123	5	20
Hexachlorobutadiene	<0.54		50.0	42.4		ug/L		85	51 - 150	0	20
Isopropylbenzene	0.63	J	50.0	48.0		ug/L		95	70 - 126	0	20
Methyl tert-butyl ether	<0.43		50.0	44.7		ug/L		89	55 - 123	5	20
Methylene Chloride	<3.6		50.0	43.8		ug/L		88	69 - 125	4	20
Naphthalene	0.44	J F2	50.0	35.2	F2	ug/L		70	53 - 144	23	20
n-Butylbenzene	<0.33		50.0	45.3		ug/L		91	68 - 125	3	20
N-Propylbenzene	0.78	J	50.0	47.2		ug/L		93	69 - 127	1	20
p-Isopropyltoluene	<0.29		50.0	46.6		ug/L		93	70 - 125	2	20
sec-Butylbenzene	<0.27		50.0	46.9		ug/L		94	70 - 123	3	20
Styrene	<0.31		50.0	48.7		ug/L		97	70 - 120	5	20
tert-Butylbenzene	<0.26		50.0	47.0		ug/L		94	70 - 121	2	20
Tetrachloroethene	<0.39		50.0	44.6		ug/L		89	70 - 128	3	20
Toluene	<0.21		50.0	43.0		ug/L		86	70 - 125	4	20
trans-1,2-Dichloroethene	<0.44		50.0	46.2		ug/L		92	70 - 125	5	20
trans-1,3-Dichloropropene	<0.63		50.0	45.1		ug/L		90	62 - 128	2	20
Trichloroethene	<0.15		50.0	42.4		ug/L		85	70 - 125	5	20
Trichlorofluoromethane	<0.44		50.0	49.4		ug/L		99	55 - 128	2	20
Vinyl chloride	<0.47		50.0	54.4		ug/L		109	64 - 126	3	20
Xylenes, Total	<0.30		100	95.6		ug/L		96	70 - 125	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane (Surr)	*89*		*75 - 120*
Toluene-d8 (Surr)	*89*		*75 - 120*

Lab Sample ID: MB 500-777692/7
Matrix: Water
Analysis Batch: 777692

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			07/22/24 11:56	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			07/22/24 11:56	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			07/22/24 11:56	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			07/22/24 11:56	1

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

Lab Sample ID: MB 500-777692/7
Matrix: Water
Analysis Batch: 777692

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			07/22/24 11:56	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			07/22/24 11:56	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			07/22/24 11:56	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			07/22/24 11:56	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			07/22/24 11:56	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/22/24 11:56	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			07/22/24 11:56	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			07/22/24 11:56	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			07/22/24 11:56	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			07/22/24 11:56	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			07/22/24 11:56	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			07/22/24 11:56	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			07/22/24 11:56	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			07/22/24 11:56	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			07/22/24 11:56	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			07/22/24 11:56	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			07/22/24 11:56	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			07/22/24 11:56	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			07/22/24 11:56	1
Benzene	<0.18		0.50	0.18	ug/L			07/22/24 11:56	1
Bromobenzene	<0.60		1.0	0.60	ug/L			07/22/24 11:56	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			07/22/24 11:56	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			07/22/24 11:56	1
Bromoform	<0.96		1.0	0.96	ug/L			07/22/24 11:56	1
Bromomethane	<1.8		3.0	1.8	ug/L			07/22/24 11:56	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			07/22/24 11:56	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			07/22/24 11:56	1
Chloroethane	<0.47		5.0	0.47	ug/L			07/22/24 11:56	1
Chloroform	<0.92		2.0	0.92	ug/L			07/22/24 11:56	1
Chloromethane	<0.79		5.0	0.79	ug/L			07/22/24 11:56	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			07/22/24 11:56	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			07/22/24 11:56	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			07/22/24 11:56	1
Dibromomethane	<0.58		1.0	0.58	ug/L			07/22/24 11:56	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			07/22/24 11:56	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			07/22/24 11:56	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			07/22/24 11:56	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			07/22/24 11:56	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			07/22/24 11:56	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			07/22/24 11:56	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			07/22/24 11:56	1
Naphthalene	0.835	J	1.0	0.44	ug/L			07/22/24 11:56	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			07/22/24 11:56	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			07/22/24 11:56	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			07/22/24 11:56	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			07/22/24 11:56	1
Styrene	<0.31		1.0	0.31	ug/L			07/22/24 11:56	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			07/22/24 11:56	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			07/22/24 11:56	1

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

Lab Sample ID: MB 500-777692/7
Matrix: Water
Analysis Batch: 777692

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.21		0.50	0.21	ug/L			07/22/24 11:56	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			07/22/24 11:56	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			07/22/24 11:56	1
Trichloroethene	<0.15		0.50	0.15	ug/L			07/22/24 11:56	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			07/22/24 11:56	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			07/22/24 11:56	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			07/22/24 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*		*07/22/24 11:56*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*07/22/24 11:56*	*1*
Dibromofluoromethane (Surr)	*87*		*75 - 120*		*07/22/24 11:56*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*07/22/24 11:56*	*1*

Lab Sample ID: LCS 500-777692/5
Matrix: Water
Analysis Batch: 777692

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	52.5		ug/L		105	70 - 125
1,1,1-Trichloroethane	50.0	50.1		ug/L		100	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	62 - 140
1,1,2-Trichloroethane	50.0	44.3		ug/L		89	71 - 130
1,1-Dichloroethane	50.0	49.9		ug/L		100	70 - 125
1,1-Dichloroethene	50.0	51.4		ug/L		103	67 - 122
1,1-Dichloropropene	50.0	46.7		ug/L		93	70 - 121
1,2,3-Trichlorobenzene	50.0	48.6		ug/L		97	51 - 145
1,2,3-Trichloropropane	50.0	48.1		ug/L		96	50 - 133
1,2,4-Trichlorobenzene	50.0	48.2		ug/L		96	57 - 137
1,2,4-Trimethylbenzene	50.0	51.6		ug/L		103	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.8		ug/L		100	70 - 125
1,2-Dichlorobenzene	50.0	50.9		ug/L		102	70 - 125
1,2-Dichloroethane	50.0	49.5		ug/L		99	68 - 127
1,2-Dichloropropane	50.0	50.1		ug/L		100	67 - 130
1,3,5-Trimethylbenzene	50.0	51.0		ug/L		102	70 - 123
1,3-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 125
1,3-Dichloropropane	50.0	51.1		ug/L		102	62 - 136
1,4-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 120
2,2-Dichloropropane	50.0	44.8		ug/L		90	58 - 139
2-Chlorotoluene	50.0	52.1		ug/L		104	70 - 125
4-Chlorotoluene	50.0	52.6		ug/L		105	68 - 124
Benzene	50.0	51.8		ug/L		104	70 - 120
Bromobenzene	50.0	51.1		ug/L		102	70 - 122
Bromochloromethane	50.0	46.9		ug/L		94	65 - 122
Bromodichloromethane	50.0	47.8		ug/L		96	69 - 120
Bromoform	50.0	42.1		ug/L		84	56 - 132
Bromomethane	50.0	58.0		ug/L		116	40 - 152

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

Lab Sample ID: LCS 500-777692/5
Matrix: Water
Analysis Batch: 777692

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	51.8		ug/L		104	59 - 133
Chlorobenzene	50.0	50.7		ug/L		101	70 - 120
Chloroethane	50.0	39.6		ug/L		79	48 - 136
Chloroform	50.0	48.1		ug/L		96	70 - 120
Chloromethane	50.0	39.4		ug/L		79	56 - 152
cis-1,2-Dichloroethene	50.0	48.8		ug/L		98	70 - 125
cis-1,3-Dichloropropene	50.0	45.1		ug/L		90	64 - 127
Dibromochloromethane	50.0	45.3		ug/L		91	68 - 125
Dibromomethane	50.0	49.8		ug/L		100	70 - 120
Dichlorodifluoromethane	50.0	35.0		ug/L		70	40 - 159
Ethylbenzene	50.0	46.2		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	48.5		ug/L		97	51 - 150
Isopropylbenzene	50.0	47.5		ug/L		95	70 - 126
Methyl tert-butyl ether	50.0	40.6		ug/L		81	55 - 123
Methylene Chloride	50.0	46.4		ug/L		93	69 - 125
Naphthalene	50.0	41.7		ug/L		83	53 - 144
n-Butylbenzene	50.0	53.1		ug/L		106	68 - 125
N-Propylbenzene	50.0	51.9		ug/L		104	69 - 127
p-Isopropyltoluene	50.0	47.0		ug/L		94	70 - 125
sec-Butylbenzene	50.0	51.5		ug/L		103	70 - 123
Styrene	50.0	46.4		ug/L		93	70 - 120
tert-Butylbenzene	50.0	51.4		ug/L		103	70 - 121
Tetrachloroethene	50.0	50.3		ug/L		101	70 - 128
Toluene	50.0	49.1		ug/L		98	70 - 125
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 125
trans-1,3-Dichloropropene	50.0	43.8		ug/L		88	62 - 128
Trichloroethene	50.0	51.8		ug/L		104	70 - 125
Trichlorofluoromethane	50.0	43.1		ug/L		86	55 - 128
Vinyl chloride	50.0	38.7		ug/L		77	64 - 126
Xylenes, Total	100	103		ug/L		103	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane (Surr)	*87*		*75 - 120*
Toluene-d8 (Surr)	*92*		*75 - 120*

Lab Sample ID: 500-253675-2 MS
Matrix: Water
Analysis Batch: 777692

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.67		50.0	53.8		ug/L		108	70 - 125
1,1,1-Trichloroethane	<0.45		50.0	52.0		ug/L		104	70 - 125
1,1,2,2-Tetrachloroethane	<0.65		50.0	55.4		ug/L		111	62 - 140
1,1,2-Trichloroethane	<0.73		50.0	47.5		ug/L		95	71 - 130
1,1-Dichloroethane	<0.36		50.0	52.4		ug/L		105	70 - 125
1,1-Dichloroethene	<0.48		50.0	53.8		ug/L		108	67 - 122

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

Lab Sample ID: 500-253675-2 MS
Matrix: Water
Analysis Batch: 777692

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	<0.33		50.0	48.2		ug/L		96	70 - 121
1,2,3-Trichlorobenzene	<0.35		50.0	50.7		ug/L		101	51 - 145
1,2,3-Trichloropropane	<1.5		50.0	50.6		ug/L		101	50 - 133
1,2,4-Trichlorobenzene	<0.31		50.0	50.1		ug/L		100	57 - 137
1,2,4-Trimethylbenzene	<0.30		50.0	51.8		ug/L		104	70 - 123
1,2-Dibromo-3-Chloropropane	<3.9		50.0	47.9		ug/L		96	56 - 123
1,2-Dibromoethane (EDB)	<0.56		50.0	53.0		ug/L		106	70 - 125
1,2-Dichlorobenzene	<0.48		50.0	52.3		ug/L		105	70 - 125
1,2-Dichloroethane	<0.58		50.0	52.7		ug/L		105	68 - 127
1,2-Dichloropropane	<0.37		50.0	53.2		ug/L		106	67 - 130
1,3,5-Trimethylbenzene	<0.29		50.0	51.6		ug/L		103	70 - 123
1,3-Dichlorobenzene	<0.41		50.0	52.0		ug/L		104	70 - 125
1,3-Dichloropropane	<0.56		50.0	54.3		ug/L		109	62 - 136
1,4-Dichlorobenzene	<0.45		50.0	51.4		ug/L		103	70 - 120
2,2-Dichloropropane	<0.48		50.0	45.0		ug/L		90	58 - 139
2-Chlorotoluene	<0.36		50.0	52.3		ug/L		105	70 - 125
4-Chlorotoluene	<0.34		50.0	52.6		ug/L		105	68 - 124
Benzene	<0.18		50.0	54.0		ug/L		108	70 - 120
Bromobenzene	<0.60		50.0	53.1		ug/L		106	70 - 122
Bromochloromethane	<0.50		50.0	50.7		ug/L		101	65 - 122
Bromodichloromethane	<0.57		50.0	49.8		ug/L		100	69 - 120
Bromoform	<0.96		50.0	45.7		ug/L		91	56 - 132
Bromomethane	<1.8		50.0	67.0		ug/L		134	40 - 152
Carbon tetrachloride	<0.41		50.0	52.9		ug/L		106	59 - 133
Chlorobenzene	<0.41		50.0	52.0		ug/L		104	70 - 120
Chloroethane	<0.47		50.0	46.9		ug/L		94	48 - 136
Chloroform	<0.92		50.0	50.5		ug/L		101	70 - 120
Chloromethane	<0.79		50.0	46.8		ug/L		94	56 - 152
cis-1,2-Dichloroethene	<0.42	F2	50.0	51.9		ug/L		104	70 - 125
cis-1,3-Dichloropropene	<0.52		50.0	46.6		ug/L		93	64 - 127
Dibromochloromethane	<0.83		50.0	48.0		ug/L		96	68 - 125
Dibromomethane	<0.58	F2	50.0	53.8		ug/L		108	70 - 120
Dichlorodifluoromethane	<1.8		50.0	41.2		ug/L		82	40 - 159
Ethylbenzene	<0.20		50.0	47.2		ug/L		94	70 - 123
Hexachlorobutadiene	<0.54		50.0	50.8		ug/L		102	51 - 150
Isopropylbenzene	<0.29		50.0	48.4		ug/L		97	70 - 126
Methyl tert-butyl ether	<0.43		50.0	44.5		ug/L		89	55 - 123
Methylene Chloride	<3.6		50.0	47.9		ug/L		96	69 - 125
Naphthalene	0.76	J B	50.0	46.4		ug/L		91	53 - 144
n-Butylbenzene	<0.33		50.0	52.9		ug/L		106	68 - 125
N-Propylbenzene	<0.32		50.0	52.6		ug/L		105	69 - 127
p-Isopropyltoluene	<0.29		50.0	47.8		ug/L		96	70 - 125
sec-Butylbenzene	<0.27		50.0	52.4		ug/L		105	70 - 123
Styrene	<0.31		50.0	47.4		ug/L		95	70 - 120
tert-Butylbenzene	<0.26		50.0	52.6		ug/L		105	70 - 121
Tetrachloroethene	<0.39		50.0	50.9		ug/L		102	70 - 128
Toluene	<0.21		50.0	50.6		ug/L		101	70 - 125
trans-1,2-Dichloroethene	<0.44		50.0	52.6		ug/L		105	70 - 125
trans-1,3-Dichloropropene	<0.63		50.0	45.9		ug/L		92	62 - 128

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

Lab Sample ID: 500-253675-2 MS
Matrix: Water
Analysis Batch: 777692

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	<0.15		50.0	53.2		ug/L		106	70 - 125
Trichlorofluoromethane	<0.44		50.0	52.3		ug/L		105	55 - 128
Vinyl chloride	<0.47		50.0	46.2		ug/L		92	64 - 126
Xylenes, Total	<0.30		100	106		ug/L		106	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*88*		*75 - 120*
Toluene-d8 (Surr)	*91*		*75 - 120*

Lab Sample ID: 500-253675-2 MSD
Matrix: Water
Analysis Batch: 777692

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.67		50.0	45.9		ug/L		92	70 - 125	16	20
1,1,1-Trichloroethane	<0.45		50.0	43.4		ug/L		87	70 - 125	18	20
1,1,2,2-Tetrachloroethane	<0.65		50.0	48.5		ug/L		97	62 - 140	13	20
1,1,2-Trichloroethane	<0.73		50.0	40.8		ug/L		82	71 - 130	15	20
1,1-Dichloroethane	<0.36		50.0	44.2		ug/L		88	70 - 125	17	20
1,1-Dichloroethene	<0.48		50.0	45.4		ug/L		91	67 - 122	17	20
1,1-Dichloropropene	<0.33		50.0	40.2		ug/L		80	70 - 121	18	20
1,2,3-Trichlorobenzene	<0.35		50.0	43.3		ug/L		87	51 - 145	16	20
1,2,3-Trichloropropane	<1.5		50.0	45.8		ug/L		92	50 - 133	10	20
1,2,4-Trichlorobenzene	<0.31		50.0	42.3		ug/L		85	57 - 137	17	20
1,2,4-Trimethylbenzene	<0.30		50.0	45.4		ug/L		91	70 - 123	13	20
1,2-Dibromo-3-Chloropropane	<3.9		50.0	40.3		ug/L		81	56 - 123	17	20
1,2-Dibromoethane (EDB)	<0.56		50.0	45.3		ug/L		91	70 - 125	16	20
1,2-Dichlorobenzene	<0.48		50.0	45.2		ug/L		90	70 - 125	15	20
1,2-Dichloroethane	<0.58		50.0	43.8		ug/L		88	68 - 127	18	20
1,2-Dichloropropane	<0.37		50.0	44.0		ug/L		88	67 - 130	19	20
1,3,5-Trimethylbenzene	<0.29		50.0	45.1		ug/L		90	70 - 123	14	20
1,3-Dichlorobenzene	<0.41		50.0	45.7		ug/L		91	70 - 125	13	20
1,3-Dichloropropane	<0.56		50.0	46.3		ug/L		93	62 - 136	16	20
1,4-Dichlorobenzene	<0.45		50.0	44.5		ug/L		89	70 - 120	14	20
2,2-Dichloropropane	<0.48		50.0	37.2		ug/L		74	58 - 139	19	20
2-Chlorotoluene	<0.36		50.0	46.4		ug/L		93	70 - 125	12	20
4-Chlorotoluene	<0.34		50.0	46.8		ug/L		94	68 - 124	12	20
Benzene	<0.18		50.0	45.3		ug/L		91	70 - 120	18	20
Bromobenzene	<0.60		50.0	45.9		ug/L		92	70 - 122	14	20
Bromochloromethane	<0.50		50.0	42.4		ug/L		85	65 - 122	18	20
Bromodichloromethane	<0.57		50.0	41.4		ug/L		83	69 - 120	18	20
Bromoform	<0.96		50.0	39.1		ug/L		78	56 - 132	16	20
Bromomethane	<1.8		50.0	57.5		ug/L		115	40 - 152	15	20
Carbon tetrachloride	<0.41		50.0	43.9		ug/L		88	59 - 133	19	20
Chlorobenzene	<0.41		50.0	44.8		ug/L		90	70 - 120	15	20
Chloroethane	<0.47		50.0	40.6		ug/L		81	48 - 136	14	20

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

Lab Sample ID: 500-253675-2 MSD
Matrix: Water
Analysis Batch: 777692

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	<0.92		50.0	41.8		ug/L		84	70 - 120	19	20
Chloromethane	<0.79		50.0	39.9		ug/L		80	56 - 152	16	20
cis-1,2-Dichloroethene	<0.42	F2	50.0	42.0	F2	ug/L		84	70 - 125	21	20
cis-1,3-Dichloropropene	<0.52		50.0	39.9		ug/L		80	64 - 127	15	20
Dibromochloromethane	<0.83		50.0	41.0		ug/L		82	68 - 125	16	20
Dibromomethane	<0.58	F2	50.0	43.6	F2	ug/L		87	70 - 120	21	20
Dichlorodifluoromethane	<1.8		50.0	35.7		ug/L		71	40 - 159	14	20
Ethylbenzene	<0.20		50.0	41.0		ug/L		82	70 - 123	14	20
Hexachlorobutadiene	<0.54		50.0	45.3		ug/L		91	51 - 150	11	20
Isopropylbenzene	<0.29		50.0	43.0		ug/L		86	70 - 126	12	20
Methyl tert-butyl ether	<0.43		50.0	37.0		ug/L		74	55 - 123	18	20
Methylene Chloride	<3.6		50.0	41.2		ug/L		82	69 - 125	15	20
Naphthalene	0.76	J B	50.0	39.6		ug/L		78	53 - 144	16	20
n-Butylbenzene	<0.33		50.0	46.6		ug/L		93	68 - 125	13	20
N-Propylbenzene	<0.32		50.0	46.7		ug/L		93	69 - 127	12	20
p-Isopropyltoluene	<0.29		50.0	42.0		ug/L		84	70 - 125	13	20
sec-Butylbenzene	<0.27		50.0	46.1		ug/L		92	70 - 123	13	20
Styrene	<0.31		50.0	40.2		ug/L		80	70 - 120	17	20
tert-Butylbenzene	<0.26		50.0	46.2		ug/L		92	70 - 121	13	20
Tetrachloroethene	<0.39		50.0	44.2		ug/L		88	70 - 128	14	20
Toluene	<0.21		50.0	43.7		ug/L		87	70 - 125	15	20
trans-1,2-Dichloroethene	<0.44		50.0	44.0		ug/L		88	70 - 125	18	20
trans-1,3-Dichloropropene	<0.63		50.0	39.4		ug/L		79	62 - 128	15	20
Trichloroethene	<0.15		50.0	44.1		ug/L		88	70 - 125	19	20
Trichlorofluoromethane	<0.44		50.0	44.1		ug/L		88	55 - 128	17	20
Vinyl chloride	<0.47		50.0	39.6		ug/L		79	64 - 126	15	20
Xylenes, Total	<0.30		100	90.7		ug/L		91	70 - 125	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane (Surr)	*86*		*75 - 120*
Toluene-d8 (Surr)	*92*		*75 - 120*

Lab Sample ID: MB 500-779414/7
Matrix: Water
Analysis Batch: 779414

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			08/01/24 13:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*08/01/24 13:27*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*08/01/24 13:27*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*08/01/24 13:27*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/01/24 13:27*	*1*

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

Lab Sample ID: LCS 500-779414/4
Matrix: Water
Analysis Batch: 779414

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	40.0	41.1		ug/L		103	71 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*90*		*75 - 120*
Toluene-d8 (Surr)	*94*		*75 - 120*

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

Lab Sample ID: MB 500-777394/1-A
Matrix: Water
Analysis Batch: 777678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		07/18/24 15:00	07/22/24 13:03	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		07/18/24 15:00	07/22/24 13:03	1
Acenaphthene	<0.25		0.80	0.25	ug/L		07/18/24 15:00	07/22/24 13:03	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		07/18/24 15:00	07/22/24 13:03	1
Anthracene	<0.27		0.80	0.27	ug/L		07/18/24 15:00	07/22/24 13:03	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		07/18/24 15:00	07/22/24 13:03	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		07/18/24 15:00	07/22/24 13:03	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		07/18/24 15:00	07/22/24 13:03	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		07/18/24 15:00	07/22/24 13:03	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		07/18/24 15:00	07/22/24 13:03	1
Chrysene	<0.055		0.16	0.055	ug/L		07/18/24 15:00	07/22/24 13:03	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		07/18/24 15:00	07/22/24 13:03	1
Fluoranthene	<0.36		0.80	0.36	ug/L		07/18/24 15:00	07/22/24 13:03	1
Fluorene	<0.20		0.80	0.20	ug/L		07/18/24 15:00	07/22/24 13:03	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		07/18/24 15:00	07/22/24 13:03	1
Naphthalene	<0.25		0.80	0.25	ug/L		07/18/24 15:00	07/22/24 13:03	1
Phenanthrene	<0.24		0.80	0.24	ug/L		07/18/24 15:00	07/22/24 13:03	1
Pyrene	<0.34		0.80	0.34	ug/L		07/18/24 15:00	07/22/24 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*34 - 110*	*07/18/24 15:00*	*07/22/24 13:03*	*1*
Nitrobenzene-d5 (Surr)	*68*		*36 - 120*	*07/18/24 15:00*	*07/22/24 13:03*	*1*
Terphenyl-d14 (Surr)	*96*		*40 - 145*	*07/18/24 15:00*	*07/22/24 13:03*	*1*

Lab Sample ID: LCS 500-777394/2-A
Matrix: Water
Analysis Batch: 777678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	40.0	19.7		ug/L		49	38 - 110
2-Methylnaphthalene	40.0	17.9		ug/L		45	34 - 110
Acenaphthene	40.0	24.0		ug/L		60	46 - 110
Acenaphthylene	40.0	26.3		ug/L		66	47 - 113

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

Lab Sample ID: LCS 500-777394/2-A
Matrix: Water
Analysis Batch: 777678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	40.0	32.0		ug/L		80	67 - 118
Benzo[a]anthracene	40.0	31.7		ug/L		79	70 - 126
Benzo[a]pyrene	40.0	38.1		ug/L		95	70 - 135
Benzo[b]fluoranthene	40.0	36.8		ug/L		92	69 - 136
Benzo[g,h,i]perylene	40.0	37.1		ug/L		93	70 - 135
Benzo[k]fluoranthene	40.0	36.6		ug/L		91	70 - 133
Chrysene	40.0	33.2		ug/L		83	68 - 129
Dibenz(a,h)anthracene	40.0	37.7		ug/L		94	70 - 134
Fluoranthene	40.0	35.7		ug/L		89	68 - 126
Fluorene	40.0	26.0		ug/L		65	53 - 120
Indeno[1,2,3-cd]pyrene	40.0	34.7		ug/L		87	65 - 133
Naphthalene	40.0	17.8		ug/L		45	36 - 110
Phenanthrene	40.0	30.3		ug/L		76	65 - 120
Pyrene	40.0	33.2		ug/L		83	70 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*59*		*34 - 110*
Nitrobenzene-d5 (Surr)	*69*		*36 - 120*
Terphenyl-d14 (Surr)	*87*		*40 - 145*

Lab Sample ID: LCSD 500-777394/3-A
Matrix: Water
Analysis Batch: 777678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777394

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	40.0	17.0		ug/L		43	38 - 110	14	20
2-Methylnaphthalene	40.0	15.5		ug/L		39	34 - 110	14	20
Acenaphthene	40.0	19.9		ug/L		50	46 - 110	19	20
Acenaphthylene	40.0	22.3		ug/L		56	47 - 113	17	20
Anthracene	40.0	26.7		ug/L		67	67 - 118	18	20
Benzo[a]anthracene	40.0	27.0	*-	ug/L		68	70 - 126	16	20
Benzo[a]pyrene	40.0	31.8		ug/L		80	70 - 135	18	20
Benzo[b]fluoranthene	40.0	30.6		ug/L		76	69 - 136	18	20
Benzo[g,h,i]perylene	40.0	31.0		ug/L		77	70 - 135	18	20
Benzo[k]fluoranthene	40.0	31.8		ug/L		80	70 - 133	14	20
Chrysene	40.0	28.4		ug/L		71	68 - 129	15	20
Dibenz(a,h)anthracene	40.0	31.2		ug/L		78	70 - 134	19	20
Fluoranthene	40.0	30.4		ug/L		76	68 - 126	16	20
Fluorene	40.0	20.6	*- *1	ug/L		51	53 - 120	23	20
Indeno[1,2,3-cd]pyrene	40.0	28.5		ug/L		71	65 - 133	20	20
Naphthalene	40.0	15.3		ug/L		38	36 - 110	15	20
Phenanthrene	40.0	24.5	*- *1	ug/L		61	65 - 120	21	20
Pyrene	40.0	27.5	*-	ug/L		69	70 - 126	19	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*51*		*34 - 110*
Nitrobenzene-d5 (Surr)	*58*		*36 - 120*
Terphenyl-d14 (Surr)	*79*		*40 - 145*

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

Lab Sample ID: MB 500-777999/1-A
Matrix: Water
Analysis Batch: 778127

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		07/23/24 13:40	07/24/24 11:26	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		07/23/24 13:40	07/24/24 11:26	1
Acenaphthene	<0.25		0.80	0.25	ug/L		07/23/24 13:40	07/24/24 11:26	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		07/23/24 13:40	07/24/24 11:26	1
Anthracene	<0.27		0.80	0.27	ug/L		07/23/24 13:40	07/24/24 11:26	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		07/23/24 13:40	07/24/24 11:26	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		07/23/24 13:40	07/24/24 11:26	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		07/23/24 13:40	07/24/24 11:26	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		07/23/24 13:40	07/24/24 11:26	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		07/23/24 13:40	07/24/24 11:26	1
Chrysene	<0.055		0.16	0.055	ug/L		07/23/24 13:40	07/24/24 11:26	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		07/23/24 13:40	07/24/24 11:26	1
Fluoranthene	<0.36		0.80	0.36	ug/L		07/23/24 13:40	07/24/24 11:26	1
Fluorene	<0.20		0.80	0.20	ug/L		07/23/24 13:40	07/24/24 11:26	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		07/23/24 13:40	07/24/24 11:26	1
Naphthalene	<0.25		0.80	0.25	ug/L		07/23/24 13:40	07/24/24 11:26	1
Phenanthrene	<0.24		0.80	0.24	ug/L		07/23/24 13:40	07/24/24 11:26	1
Pyrene	<0.34		0.80	0.34	ug/L		07/23/24 13:40	07/24/24 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*34 - 110*	*07/23/24 13:40*	*07/24/24 11:26*	*1*
Nitrobenzene-d5 (Surr)	*72*		*36 - 120*	*07/23/24 13:40*	*07/24/24 11:26*	*1*
Terphenyl-d14 (Surr)	*94*		*40 - 145*	*07/23/24 13:40*	*07/24/24 11:26*	*1*

Lab Sample ID: LCS 500-777999/2-A
Matrix: Water
Analysis Batch: 778127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	40.0	26.3		ug/L		66	38 - 110
2-Methylnaphthalene	40.0	24.3		ug/L		61	34 - 110
Acenaphthene	40.0	28.8		ug/L		72	46 - 110
Acenaphthylene	40.0	31.9		ug/L		80	47 - 113
Anthracene	40.0	36.5		ug/L		91	67 - 118
Benzo[a]anthracene	40.0	35.4		ug/L		89	70 - 126
Benzo[a]pyrene	40.0	42.3		ug/L		106	70 - 135
Benzo[b]fluoranthene	40.0	40.9		ug/L		102	69 - 136
Benzo[g,h,i]perylene	40.0	41.4		ug/L		103	70 - 135
Benzo[k]fluoranthene	40.0	40.0		ug/L		100	70 - 133
Chrysene	40.0	36.7		ug/L		92	68 - 129
Dibenz(a,h)anthracene	40.0	42.2		ug/L		106	70 - 134
Fluoranthene	40.0	42.0		ug/L		105	68 - 126
Fluorene	40.0	31.9		ug/L		80	53 - 120
Indeno[1,2,3-cd]pyrene	40.0	40.6		ug/L		101	65 - 133
Naphthalene	40.0	24.7		ug/L		62	36 - 110
Phenanthrene	40.0	35.5		ug/L		89	65 - 120
Pyrene	40.0	35.8		ug/L		90	70 - 126

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

Lab Sample ID: LCS 500-777999/2-A
Matrix: Water
Analysis Batch: 778127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777999

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*74*		*34 - 110*
Nitrobenzene-d5 (Surr)	*79*		*36 - 120*
Terphenyl-d14 (Surr)	*93*		*40 - 145*

Lab Sample ID: LCSD 500-777999/3-A
Matrix: Water
Analysis Batch: 778127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	40.0	25.4		ug/L		63	38 - 110	3	20
2-Methylnaphthalene	40.0	23.9		ug/L		60	34 - 110	2	20
Acenaphthene	40.0	29.3		ug/L		73	46 - 110	2	20
Acenaphthylene	40.0	32.2		ug/L		81	47 - 113	1	20
Anthracene	40.0	37.7		ug/L		94	67 - 118	3	20
Benzo[a]anthracene	40.0	34.6		ug/L		86	70 - 126	2	20
Benzo[a]pyrene	40.0	42.1		ug/L		105	70 - 135	1	20
Benzo[b]fluoranthene	40.0	40.2		ug/L		100	69 - 136	2	20
Benzo[g,h,i]perylene	40.0	40.8		ug/L		102	70 - 135	1	20
Benzo[k]fluoranthene	40.0	40.2		ug/L		100	70 - 133	0	20
Chrysene	40.0	35.7		ug/L		89	68 - 129	3	20
Dibenz(a,h)anthracene	40.0	42.2		ug/L		105	70 - 134	0	20
Fluoranthene	40.0	42.6		ug/L		107	68 - 126	2	20
Fluorene	40.0	32.5		ug/L		81	53 - 120	2	20
Indeno[1,2,3-cd]pyrene	40.0	40.0		ug/L		100	65 - 133	2	20
Naphthalene	40.0	24.0		ug/L		60	36 - 110	3	20
Phenanthrene	40.0	36.0		ug/L		90	65 - 120	2	20
Pyrene	40.0	35.6		ug/L		89	70 - 126	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*110*		*34 - 110*
Nitrobenzene-d5 (Surr)	*115*		*36 - 120*
Terphenyl-d14 (Surr)	*130*		*40 - 145*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-778644/1-A
Matrix: Water
Analysis Batch: 779182

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 778644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.196	J	0.50	0.19	ug/L		07/26/24 15:50	07/30/24 22:32	1

Lab Sample ID: LCS 500-778644/2-A
Matrix: Water
Analysis Batch: 779182

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 778644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	100	103		ug/L		103	80 - 120

Lab Chronicle

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-1
Date Collected: 07/17/24 15:15
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777447	SW1	EET CHI	07/19/24 12:15
Total/NA	Prep	3510C			777999	AC	EET CHI	07/23/24 13:40
Total/NA	Analysis	8270E		1	778127	H7CM	EET CHI	07/24/24 13:59
Dissolved	Prep	3005A			778644	S1Z	EET CHI	07/26/24 15:50 - 07/26/24 21:50 [1]
Dissolved	Analysis	6020B		1	779182	S1Z	EET CHI	07/30/24 22:51

Client Sample ID: MW-2
Date Collected: 07/17/24 15:00
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777692	W1T	EET CHI	07/22/24 13:13
Total/NA	Prep	3510C			777999	AC	EET CHI	07/23/24 13:40
Total/NA	Analysis	8270E		1	778127	H7CM	EET CHI	07/24/24 14:20
Dissolved	Prep	3005A			778644	S1Z	EET CHI	07/26/24 15:50 - 07/26/24 21:50 [1]
Dissolved	Analysis	6020B		1	779182	S1Z	EET CHI	07/30/24 22:58

Client Sample ID: MW-3
Date Collected: 07/17/24 13:45
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777447	SW1	EET CHI	07/19/24 13:01
Total/NA	Prep	3510C			777999	AC	EET CHI	07/23/24 13:40
Total/NA	Analysis	8270E		1	778127	H7CM	EET CHI	07/24/24 14:42
Dissolved	Prep	3005A			778644	S1Z	EET CHI	07/26/24 15:50 - 07/26/24 21:50 [1]
Dissolved	Analysis	6020B		1	779182	S1Z	EET CHI	07/30/24 23:00

Client Sample ID: MW-4
Date Collected: 07/17/24 13:25
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777447	SW1	EET CHI	07/19/24 14:57
Total/NA	Prep	3510C			777999	AC	EET CHI	07/23/24 13:40
Total/NA	Analysis	8270E		1	778127	H7CM	EET CHI	07/24/24 15:04
Dissolved	Prep	3005A			778644	S1Z	EET CHI	07/26/24 15:50 - 07/26/24 21:50 [1]
Dissolved	Analysis	6020B		1	779182	S1Z	EET CHI	07/30/24 23:02

Client Sample ID: MW-5
Date Collected: 07/17/24 09:50
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777447	SW1	EET CHI	07/19/24 14:11

Lab Chronicle

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Client Sample ID: MW-5
Date Collected: 07/17/24 09:50
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			777394	SV	EET CHI	07/18/24 15:00
Total/NA	Analysis	8270E		1	777470	H7CM	EET CHI	07/19/24 15:03
Dissolved	Prep	3005A			778644	S1Z	EET CHI	07/26/24 15:50 - 07/26/24 21:50 [1]
Dissolved	Analysis	6020B		1	779182	S1Z	EET CHI	07/30/24 23:04

Client Sample ID: MW-6
Date Collected: 07/17/24 11:05
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777447	SW1	EET CHI	07/19/24 13:24
Total/NA	Prep	3510C			777394	SV	EET CHI	07/18/24 15:00
Total/NA	Analysis	8270E		1	777470	H7CM	EET CHI	07/19/24 15:28
Dissolved	Prep	3005A			778644	S1Z	EET CHI	07/26/24 15:50 - 07/26/24 21:50 [1]
Dissolved	Analysis	6020B		1	779182	S1Z	EET CHI	07/30/24 23:06

Client Sample ID: MW-7
Date Collected: 07/17/24 12:15
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777447	SW1	EET CHI	07/19/24 13:47
Total/NA	Prep	3510C			777999	AC	EET CHI	07/23/24 13:40
Total/NA	Analysis	8270E		1	778127	H7CM	EET CHI	07/24/24 15:26
Dissolved	Prep	3005A			778644	S1Z	EET CHI	07/26/24 15:50 - 07/26/24 21:50 [1]
Dissolved	Analysis	6020B		1	779182	S1Z	EET CHI	07/30/24 23:08

Client Sample ID: Duplicate
Date Collected: 07/17/24 00:00
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777447	SW1	EET CHI	07/19/24 15:43
Total/NA	Analysis	8260D	RA	1	779414	W1T	EET CHI	08/01/24 18:38

Client Sample ID: Trip Blank
Date Collected: 07/17/24 00:00
Date Received: 07/18/24 09:20

Lab Sample ID: 500-253675-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	777447	SW1	EET CHI	07/19/24 11:52

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Sigma Group Inc, The
Project/Site: Bronzeville Tech - 22108

Job ID: 500-253675-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins
environment testing

Client Information	Sampler:	Lab PM: Bracken, Jodie V	Carrier Tracking No(s):	COC No: 500-126427-48983 1
Client Contact: Trevor Hornbacher	Phone: 414-643-4143	E-Mail: Jodie Bracken@ET EurofinsUS com	State of Origin:	Page: 1 Page
Company: Sigma Group Inc, The	PWSID:			Job #: 500-253675

Address: 1300 West Canal Street
City: Milwaukee
State, Zip: WI, 53233
Phone: 414-840-7503
Email: thornbacher@thesigmagroup.com
Project Name: Bronzeville Tech - 22108
Site:

500-253675 COC

Due Date Requested: Standard
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: Purchase Order not required
WO #:
Project #: 50014001
SSOW#:

Analysis Requested

Preservation Codes: A) HCl B) NaOH C) None
Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOC	PAH (2/ample)	~~RCRA Metals~~ Dissolved Lead	Total Number of containers	Special Instructions/Note.
			Preservation Code				A	C	B		
1 MW-1	7/17		G	Water	Y		X	X	X		
2 MW-2				Water	Y		X	X	X		
3 MW-3		1:45		Water	Y		X	X	X		
4 MW-4		1:25		Water	Y		X	X	X		
5 MW-5		9:50		Water	Y		X	X	X		
6 MW-6		11:05		Water	Y		X	X	X		
7 MW-7		12:15		Water	Y		X	X	X		
8 Duplicate				Water			X				
9 Trip Blank				Water			X				
				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	7/17/24 3.18	Sigma		7/17/24 318	Eurofins
	7/19/24 1630	Eurofins		7/18/24 0920	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No
Custody Seal No
Cooler Temperature(s) °C and Other Remarks: 5.3 → 5.0

500 253675 Waybi

OFINS CHICAGO
17 BOND ST.
UNIVERSITY PARK, IL 60484
UNITED STATES US

CAD: 0780307/CAFE3808

BILL RECIPIENT

Part # 159469-434 MTW EXP 01/25

TO SAMPLE RECEIPT
EUROFINS – CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 534-5200 REF:
INV:
PO: DEPT:

FedEx
Express

THU – 18 JUL 10:30
PRIORITY OVERNIGHT

TRK# 0201 4051 7962 2412

79 JOTA

60484
IL-US ORD

2412
07.18

Login Sample Receipt Checklist

Client: Sigma Group Inc, The

Job Number: 500-253675-1

Login Number: 253675
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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	5.0
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.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	