

January 18, 2024

Ms. Jennifer Dorman
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI 53212

Project # 40443A

Subject: **Groundwater Monitoring Data Transmittal
Community Within the Corridor – West Block
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190**

Dear Ms. Dorman:

On behalf of the Community Within the Corridor Limited Partnership (CWC), K. Singh & Associates, Inc. (KSingh) prepared this *Groundwater Monitoring Data Transmittal* for the above referenced site. A site location map is presented as Figure 1, and the groundwater monitoring well locations are presented on Figure 2.

Groundwater Sampling

On November 17, 2023, groundwater sampling was completed for four (4) of the six (6), on-site groundwater monitoring wells (WB-MW-1, WB-MW-2R, WB-MW-5, and WB-MW-6). Groundwater monitoring well WB-MW-3R was dry, groundwater monitoring well WB-MW-4 could not be accessed, and there was limited groundwater in WB-MW-6. Therefore, on December 27, 2023, KSingh personnel returned to perform groundwater sampling of groundwater monitoring wells WB-MW-4 and WB-MW-6 and measure static water levels from the six (6) groundwater monitoring wells.

Prior to groundwater sampling, the monitoring wells expandable caps were removed, and groundwater allowed to equilibrate prior to the measurement of static water levels. Depth to water was measured in each monitoring well using a Durham Geo Slope Indicator water level indicator and measuring from the top of PVC casing. Four (4) volumes of groundwater were then purged from each well with a dedicated, clean bailer. Groundwater elevation data is summarized in Table 1.

Following purging, groundwater samples were collected in accordance with the DNR's Groundwater Field Sampling Manual, placed in laboratory supplied containers and preserved on ice in a cooler. The groundwater samples were submitted to Eurofins - Test America, Inc. (Eurofins), University Park, Illinois using proper chain-of-custody procedures for laboratory analysis. On November 17, 2023, groundwater samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8260D, polycyclic aromatic hydrocarbons (PAHs) using EPA Method 8270E, RCRA metals using EPA Method 6020B/7470A, and polychlorinated biphenyls (PCBs) using EPA Method 8082E, from all wells with the exception of WB-MW-6. There was insufficient groundwater in

MW-6; therefore, a groundwater sample was collected and submitted for RCRA metal analysis only on November 17, 2023. Groundwater samples analyzed for RCRA metals were filtered by Eurofins.

On December 27 and 28, 2023, groundwater samples were collected from WB-MW-6 and WB-MW-4. Groundwater from WB-MW-6 was analyzed for VOCs using EPA Method 8260D, PAHs using EPA Method 8270E, RCRA metals using EPA Method 6020B/7470A, and PCBs using EPA Method 8082E. Groundwater from WB-MW-4 was analyzed for VOCs using EPA Method 8260D, PAHs using EPA Method 8270E, and RCRA metals using EPA Method 6020B/7470A. A trip blank which accompanied the samples was submitted for VOC analysis. Groundwater samples analyzed for RCRA metals were filtered by Eurofins.

Purge water from the November and December sampling events was placed in labeled 55-gallon drums which are staged on-site pending disposal.

Groundwater Flow

The December 27, 2023, static water levels in the groundwater monitoring wells ranged from approximately 17.63 feet below top of casing (TOC) in WB-MW-1 to 29.71 feet below TOC in WB-MW-6, or 667.73 and 656.03 feet mean sea level, respectively. A groundwater contour map, generated from December 27, 2023, static water levels is presented as Figure 3.

Overall groundwater flow direction across the site appears to be to the southeast, from WB-MW-1 which is located on the northwest corner of the site, towards WB-MW-5 which is located near the southeastern corner of the site, at an approximate horizontal hydraulic gradient of 0.012 feet/foot (ft/ft). However, there is a local depression in the area surrounding WB-MW-2R and WB-MW-6. Groundwater depths in this area appear to be influenced by a cistern/tank (10'x 32 x 10') which is used to store water for irrigation purposes, and a storm drain. Groundwater flow is to the southeast from WB-MW-1 on northwest corner towards WB-MW-2R and WB-MW-6 at a horizontal hydraulic gradient of approximately 0.035 ft/ft, and flow is to the north from WB-MW-5 towards WB-MW-6 at an approximate horizontal hydraulic gradient of 0.012 ft/ft. The location of the cistern, storm drain, and other utilities are presented in the Proposed Utility Plan (C4.0) presented in Attachment A.

Groundwater Regulatory Criteria and Analytical Results

Groundwater analytical results are summarized in the attached Tables 2 through 5. The laboratory reports and chain-of-custody forms are included in Attachment B.

The WDNR has established groundwater quality standards, which are set forth in NR 140, Wisconsin Administrative Code (WAC). For each regulated compound, two standards have been established, the Enforcement Standard (ES) and the Preventive Action Limit (PAL). In general, if the regulated contaminant exceeds the PAL, but is below the ES, the WDNR may require additional investigation/continued monitoring. If the regulated contaminant is above its ES, the WDNR may require additional investigation, continued monitoring, and/or remediation.

PAHs were not detected at concentrations above analytical method detection limits (MDLs) in the groundwater samples collected from groundwater monitoring wells WB-MW-1, WB-MW-2R, WB-MW-4, WB-MW-5, and WB-MW-6.

PCBs were not detected at concentrations above analytical MDLs in the groundwater samples collected from groundwater monitoring wells WB-MW-1, WB-MW-2R, WB-MW-5, and WB-MW-6.

VOCs were not detected at concentrations above analytical MDLs in the groundwater samples collected from groundwater monitoring wells WB-MW-1, WB-MW-2R, WB-MW-5, and WB-MW-6. Vinyl chloride was the only VOC detected at concentrations above MDLs in groundwater from WM-MW-4. Vinyl chloride was detected at an estimated concentration between its reporting limit (RL) and MDL at 0.41 milligrams per liter (ug/L), which is above its ES of 0.2 ug/L.

Arsenic, barium, cadmium, chromium, lead, silver, and mercury were the metals detected at concentrations above MDLs in groundwater from one or more of the groundwater monitoring wells; however, concentrations did not exceed their respective ESs. Arsenic and barium were detected in all five (5) of the wells; however, the detected concentrations were all below their respective PALs. Cadmium was detected in WB-MW-6 at a concentration of 0.55 ug/L, which is slightly above its PAL of 0.5 ug/L on November 17, 2023, but below its MDL on December 27, 2023. Cadmium was not detected at concentrations above MDLs in groundwater from WB-MW-1, WB-MW-2R, and WB-MW-5. Chromium was detected at an estimated concentration of 1.6 ug/L in groundwater from WB-MW-2R, which is below its PAL of 10 ug/l. Lead was detected at concentrations above its MDL in WB-MW-1, WB-MW-2R, and WB-MW-4; however, the only PAL exceedance occurred in WB-MW-4 at an estimated concentration of 2.3 ug/L, which is above its PAL of 1.5 ug/L. Silver was detected at concentrations above its MDL in WB-MW-1 and WB-MW-2R; however, concentrations were below its PAL. Mercury was detected in WB-MW-5 at an estimated concentration between its RL and MDL at 1.1 ug/L, which is above its PAL of 0.2 ug/L, but below its ES of 2 ug/L.

Conclusions and Recommendation

Groundwater monitoring of the site was initiated in June 2021, and four (4) rounds of sampling performed for monitoring wells WB-MW-1, WB-MW-2/2R, WB-MW-3, and WB-MW-5, and three (3) rounds performed on WB-MW-6 for VOC analysis. Two (2) or three (3) rounds of sampling for PCB analysis were performed, and one (1) round of sampling for PAHs and RCRA metals analysis was performed in December 2023.

PAHs and PCBs were not detected at concentrations above MDLs, and metals were not detected at concentrations above WAC, NR 140 ESs. Vinyl chloride was the only VOC detected at concentrations above ESs. Vinyl chloride was detected in WB-MW-4 at estimated concentrations between its RL and MDL, ranging from 0.29 to 0.68 ug/L, slightly above its ES of 0.2 ug/L. Based on the groundwater monitoring performed to date in the five (5) site groundwater monitoring wells, groundwater is not significantly impacted.

KSingh recommends one (1) additional groundwater sampling event from the groundwater monitoring well network, with groundwater sample submission for VOC laboratory analysis.

Please contact us at (262) 821-1171 if you have any questions.

Sincerely,

K. SINGH & ASSOCIATES, INC.



Alexander M. Huebner
Staff Engineer



Timothy P. Welch, P.G.
Senior Geologist



Pratap N. Singh, Ph.D., P.E
Principal Engineer

cc: Shane LaFave / Roers Companies
Que El-Amin / Scott Crawford, Inc.

Attachments:

Figure 1	Site Location Map
Figure 2	Site Diagram
Figure 3	Groundwater Contour Map (December 27, 2023)
Table 1	Groundwater Elevation Data
Table 2	Groundwater Quality Test Results-VOCs
Table 3	Groundwater Quality Test Results-PAHs
Table 4	Groundwater Quality Test Results-RCRA Metals
Table 5	Groundwater Quality Test Results-PCBs
Attachment A	Proposed Utility Plan
Attachment B	Groundwater Analytical Results

FIGURES

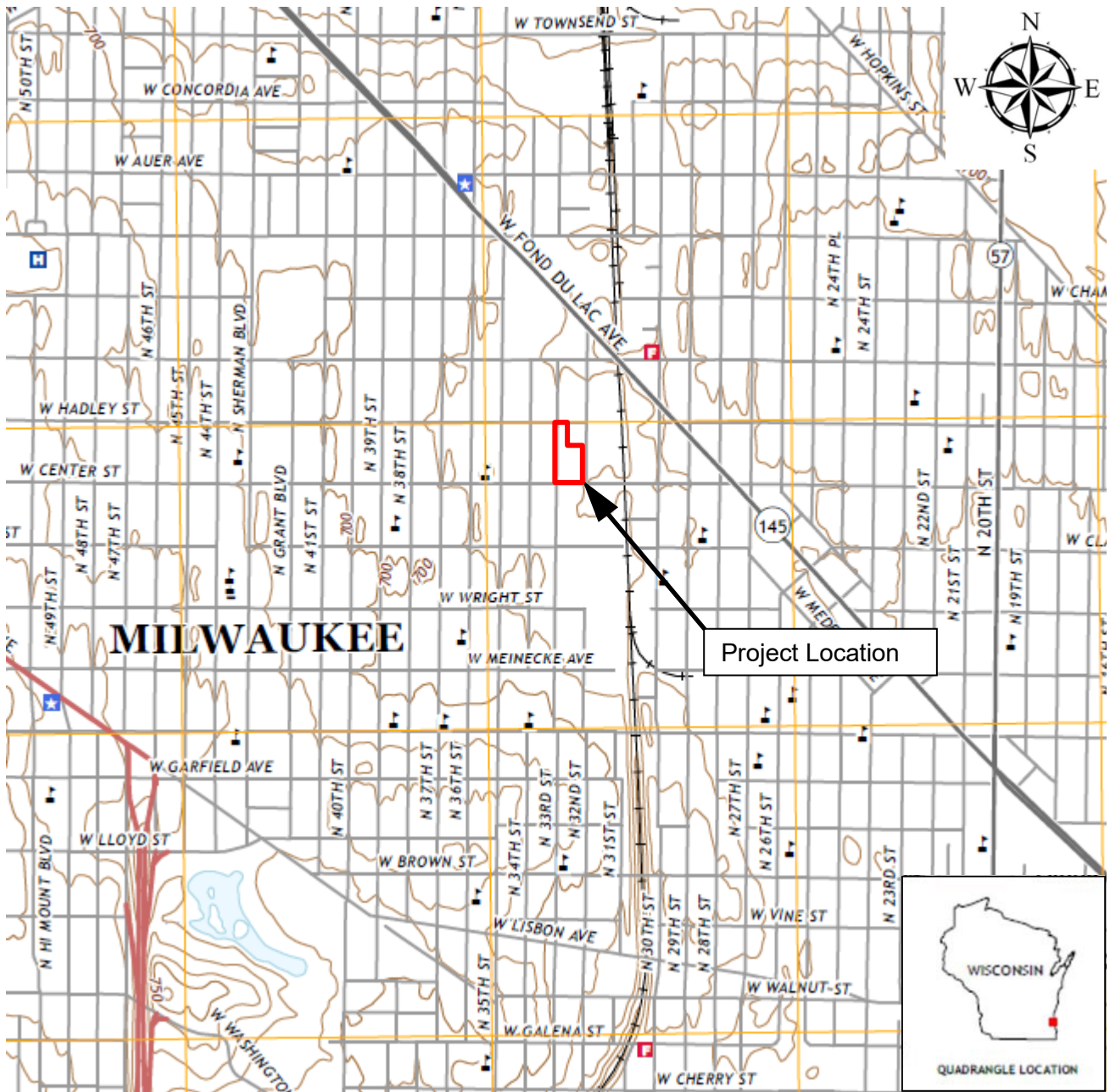
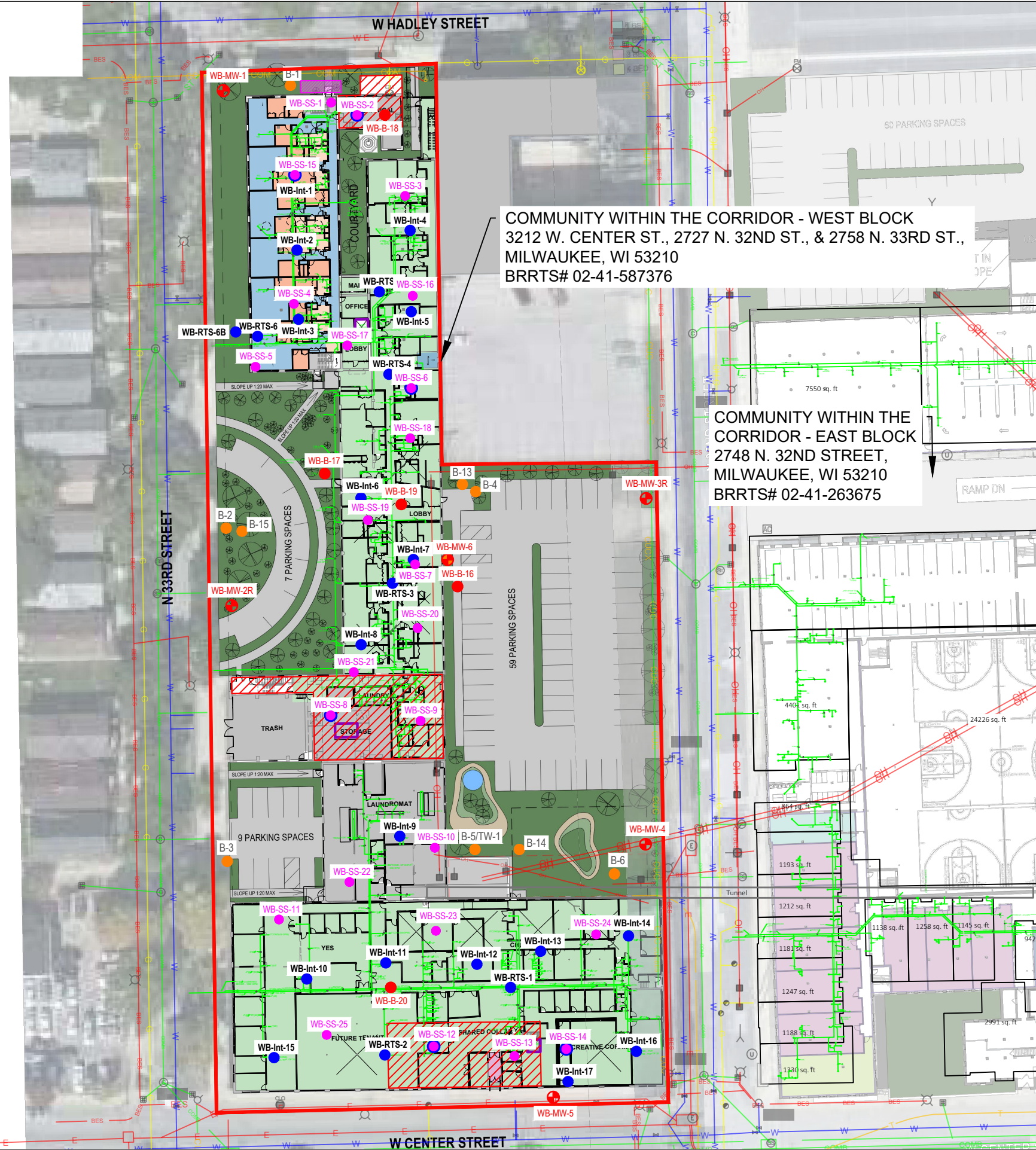
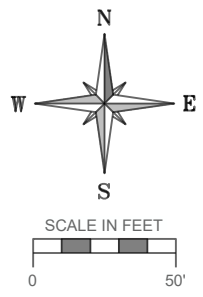


Figure 1 – Site Location Map

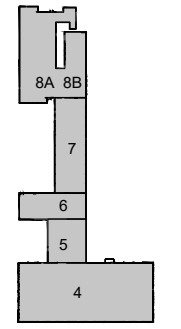
from 2018 Milwaukee Quadrangle, Wisconsin – Milwaukee County 7.5-minute series

Scale 1:24,000



COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
 3212 W. CENTER ST., 2727 N. 32ND ST., & 2758 N. 33RD ST.,
 MILWAUKEE, WI 53210
 BRRTS# 02-41-587376

COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
 2748 N. 32ND STREET,
 MILWAUKEE, WI 53210
 BRRTS# 02-41-263675



KEY PLAN

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

	Known Elevator Shaft
	Planned Underground Plumbing
	Underground Tunnel
	Basement Area(s)
	Sub-Slab Vapor Sampling Locations (25)
	Sub-Slab Soil Sampling Locations (28)
	Previous Soil Probe, Hand Auger, and Temp. Well Locations (9)
	Monitoring Well Locations (6)
	Soil Probe Locations (5)
	Former Underground Storage Tank
	Approximate Property Boundary

	EX. AIR CONDITIONER
	EX. GAS VALVE
	EX. GAS METER
	EX. TELEPHONE MANHOLE
	EX. TELEPHONE PEDESTAL
	EX. STORM MANHOLE
	EX. CATCH BASIN SQUARE
	EX. CLEANOUT
	EX. SANITARY MANHOLE
	EX. UNKNOWN MANHOLE
	EX. COMBINED SEWER MANHOLE
	EX. ELECTRIC METER
	EX. ELECTRIC PEDESTAL
	EX. ELECTRIC MANHOLE
	EX. ELECTRIC TRANSFORMER
	EX. POWER / TELEPHONE POLE
	EX. LIGHT POLE
	EX. WATER VALVE
	EX. HYDRANT

	EX. UG. GAS
	EX. UG. ELECTRIC
	EX. OVERHEAD WIRES
	EX. BUREAU OF ELECTRICAL SERVICES
	EX. UG. COMBINED SEWER
	EX. CITY UG. CONDUIT/COMM
	EX. SANITARY SEWER (SAN)
	EX. STORM SEWER (STO)
	EX. UG. COMMUNICATIONS
	EX. UG. TELEPHONE
	EX. UG. FIBER OPTICS
	EX. UG. CABLE TELEVISION
	EX. WATER MAIN

- SAMPLE ID CODES:**
- WB = WEST BLOCK
 - B = BORING
 - TW = TEMPORARY WELL
 - MW = MONITORING WELL
 - SS = SUB-SLAB
 - INT = INTERIOR
 - RTS = REPRESENTATIVE TRENCH SAMPLE
 - 4 = COMMERCIAL SPACE AND DAYCARE CENTER
 - 5 = LAUNDROMAT
 - 6, 7, 8A, AND 8B = RESIDENTIAL SPACE

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 262-821-1171

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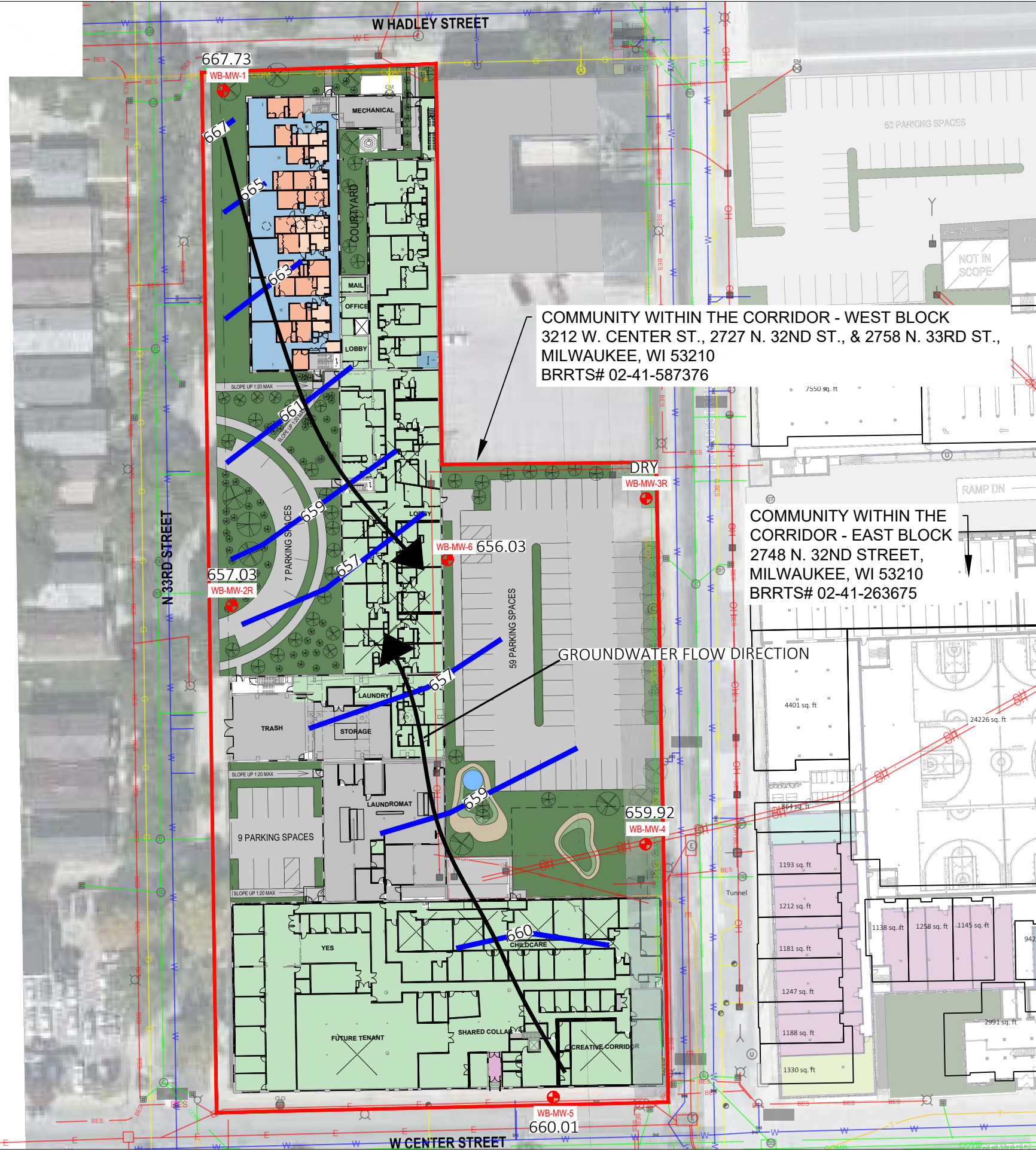
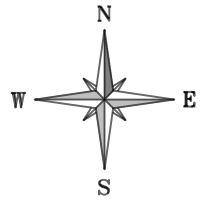
PROJECT TITLE: SITE INVESTIGATION REPORT
 3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
 MILWAUKEE, WI 53210
 PROJECT NUMBER: 40443

CLIENT:
 COMMUNITY WITHIN THE CORRIDOR LIMITED
 PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY: AMH DATE: 12/22/2023
 CHECKED BY: TPW DATE: 12/22/2023
 SHEET TITLE: SITE DIAGRAM

FIGURE 2



COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
 3212 W. CENTER ST., 2727 N. 32ND ST., & 2758 N. 33RD ST.,
 MILWAUKEE, WI 53210
 BRRTS# 02-41-587376

COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
 2748 N. 32ND STREET,
 MILWAUKEE, WI 53210
 BRRTS# 02-41-263675

GROUNDWATER FLOW DIRECTION

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
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	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Monitoring Well Locations (6)
- Groundwater Contour (Dashed were inferred)
- Groundwater Flow Direction Arrow
- Approximate Property Boundary
- Contour Interval: 2.0'
- Groundwater Elevation: (658)
- EX. UG. GAS
- EX. UG. ELECTRIC
- EX. OVERHEAD WIRES
- EX. BUREAU OF ELECTRICAL SERVICES
- EX. UG. COMBINED SEWER
- EX. CITY UG. CONDUIT/COMM
- EX. SANITARY SEWER (SAN)
- EX. STORM SEWER (STO)
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- EX. WATER MAIN

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CONSULTANT

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 3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
 MILWAUKEE, WI 53210
 PROJECT NUMBER: 40443
 CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION
DRAWN BY AMH	DATE 12/22/2023	
CHECKED BY TPW	DATE 12/22/2023	
SHEET TITLE GROUNDWATER CONTOUR MAP (DECEMBER 27, 2023)		

FIGURE 3

TABLES

TABLE 1
 GROUNDWATER ELEVATION DATA
 COMMUNITY WITHIN THE CORRIDOR-WEST BLOCK
 MILWAUKEE, WI
 PROJECT NUMBER 40443A

Well ID	Units	WB-MW-1		WB-MW-2		WB-MW-2R		WB-MW-3		WB-MW-3R		WB-MW-4		WB-MW-5		WB-MW-6	
Ground Elevation	Feet	682.57		686.17		683.03		685.83		683.82		684.89		680.03		686.34	
TOC Elevation	Feet	685.36		689.16		682.68		688.97		683.42		687.94		679.21		685.74	
TOS Elevation	Feet	673.32		675.64		668.64		677.23		664.31		674.08		664.38		665.96	
BOS Elevation	Feet	658.32		660.64		653.64		662.23		649.31		659.08		654.38		650.96	
Screen Height	Feet	15		15		15.00		15		15.00		15		10		15.00	
DATE	DTW (TOC)	GROUNDWATER ELEVATION	DTW (TOC)	GROUNDWATER ELEVATION	DTW (TOC)	GROUNDWATER ELEVATION	DTW (TOC)	GROUNDWATER ELEVATION	DTW (TOC)	GROUNDWATER ELEVATION	DTW (TOC)	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	
5/18/2021	17.58	667.78	23.42	665.74	NI	---	DRY	---	NI	---	27.51	660.43	---	---	---	---	
6/10/2021	17.28	668.08	23.25	665.91	NI	---	DRY	---	NI	---	27.15	660.79	---	---	---	---	
6/22/2021	17.22	668.14	23.53	665.63	NI	---	DRY	---	NI	---	27.14	660.80	---	---	---	---	
6/30/2021	15.44	669.92	23.59	665.57	NI	---	DRY	---	NI	---	27.13	660.81	---	---	---	---	
7/20/2021	17.33	668.03	22.95	666.21	NI	---	DRY	---	NI	---	27.00	660.94	18.55	660.66	---	---	
7/29/2021	17.41	667.95	23.76	665.40	NI	---	DRY	---	NI	---	27.00	660.94	18.67	660.54	---	---	
8/19/2021	17.31	668.05	23.87	665.29	NI	---	DRY	---	NI	---	26.91	661.03	18.23	660.98	---	---	
10/6/2021	17.62	667.74	24.70	664.46	NI	---	DRY	---	NI	---	27.40	660.54	18.20	661.01	---	---	
8/3/2022	17.10	668.26	---	---	18.10	664.58	---	---	DRY	---	21.50	666.44	21.50	657.71	31.18	654.56	
3/16/2023	17.30	668.06	---	---	---	---	---	---	DRY	---	21.80	*660.37	18.50	660.71	29.22	656.52	
11/17/2023	17.10	668.26	---	---	25.32	657.36	---	---	DRY	---	---	---	19.20	660.01	30.50	655.24	
12/27/2023	17.63	667.73	---	---	25.65	657.03	---	---	---	---	22.25	*659.92	19.20	660.01	29.71	656.03	

Notes:

DTW= Depth to Water
 TOC=Top of Casing
 TOS=Top of Screen
 BOS= Bottom of Screen

NI=Not Installed
 --- = Not Measured/Abandoned

WB-MW-2 replaced by WB-MW2R on 7/20/22
 WB-MW-3 replaced by WB-MW3R on 7/18/22
 *WB-MW-4 converted from stickup to flush mount on 7/18/22 (TOC=682.17', TOS=673.72', BOS=658.72')
 WB-MW-6 constructed on 7/20/22

TABLE 3
GROUNDWATER QUALITY TEST RESULTS-PAHs
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample Date	Units	EPA Method	NR 140 PAL	NR 140 ES	TW-3	WB-MW-1		WB-MW-2	WB-MW-2R	WB-MW-4			WB-MW-5		WB-MW-6	
					4/10/2020	6/30/2021	11/17/2023	6/30/2021	11/17/2023	6/30/2021	11/17/2023	12/27/2023	07/20/2021	11/17/2023	11/17/2023	12/27/2023
Polycyclic Aromatic Hydrocarbons (PAHs)																
1-Methylnaphthalene	ug/L	8270D	---	---	2900 J	---	<0.24	---	<0.27	---	---	<0.30	---	<0.22	---	<0.24
2-Methylnaphthalene	ug/L	8270D	---	---	4400	---	<0.051	---	<0.058	---	---	<0.065	---	<0.048	---	<0.053
Acenaphthene	ug/L	8270D	---	---	<490	---	<0.24	---	<0.27	---	---	<0.31	---	<0.23	---	<0.25
Acenaphthylene	ug/L	8270D	---	---	<420	---	<0.21	---	<0.24	---	---	<0.27	---	<0.20	---	<0.22
Anthracene	ug/L	8270D	600	3000	<530	---	<0.26	---	<0.30	---	---	<0.33	---	<0.25	---	<0.27
Benzo[a]anthracene	ug/L	8270D	---	---	<89	---	<0.045	---	<0.050	---	---	<0.057	---	<0.042	---	<0.046
Benzo[a]pyrene	ug/L	8270D	0.02	0.2	<160	---	<0.078	---	<0.088	---	---	<0.099	---	<0.073	---	<0.080
Benzo[b]fluoranthene	ug/L	8270D	0.02	0.2	<130	---	<0.064	---	<0.072	---	---	<0.081	---	<0.060	---	<0.065
Benzo[g,h,i]perylene	ug/L	8270D	---	---	<590	---	<0.30	---	<0.33	---	---	<0.38	---	<0.28	---	<0.30
Benzo[k]fluoranthene	ug/L	8270D	---	---	<100	---	<0.051	---	<0.057	---	---	<0.064	---	<0.048	---	<0.052
Chrysene	ug/L	8270D	0.02	0.2	<110	---	<0.054	---	<0.061	---	---	<0.068	---	<0.051	---	<0.055
Dibenz(a,h)anthracene	ug/L	8270D	---	---	<80	---	<0.040	---	<0.045	---	---	<0.051	---	<0.038	---	<0.041
Fluoranthene	ug/L	8270D	80	400	<720	---	<0.36	---	<0.40	---	---	<0.46	---	<0.34	---	<0.37
Fluorene	ug/L	8270D	80	400	<390	---	<0.19	---	<0.22	---	---	<0.24	---	<0.18	---	<0.20
Indeno[1,2,3-cd]pyrene	ug/L	8270D	---	---	<120	---	<0.059	---	<0.066	---	---	<0.075	---	<0.056	---	<0.061
Naphthalene	ug/L	8270D	10	100	13000	---	<0.24	---	<0.27	---	---	<0.31	---	<0.23	---	<0.25
Phenanthrene	ug/L	8270D	---	---	1100 J	---	<0.24	---	<0.27	---	---	<0.30	---	<0.22	---	<0.24
Pyrene	ug/L	8270D	50	250	<670	---	<0.34	---	<0.38	---	---	<0.43	---	<0.32	---	<0.35

Notes:

Italics = Exceeds Wisconsin Administrative Code (WAC) NR 140 Preventive Action Limit (PAL), July 2023

Bold = Exceeds WAC, NR 140 Enforcement Standard (ES), July 2023

--- No Established Standards / Not Analyzed

ug/L= Results expressed in micrograms per liter (ug/L)

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

TABLE 4
GROUNDWATER QUALITY TEST RESULTS-RCRA METALS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample Date	Units	EPA Method	NR 140 PAL	NR 140 ES	TW-3	WB-MW-1		WB-MW-2	WB-MW-2R	WB-MW-4			WB-MW-5		WB-MW-6	
					4/10/2020	6/30/2021	11/17/2023	6/30/2021	11/17/2023	6/30/2021	11/17/2023	12/27/2023	07/20/2021	11/17/2023	11/27/2023	12/27/2023
Dissolved RCRA Metals																
Arsenic	ug/L	6020A	<i>1</i>	10	420	---	0.36 J	---	0.73 J	---	---	0.69 J	---	0.41 J	2.6	0.82 J
Barium	ug/L	6020A	<i>400</i>	2000	<i>1300</i>	---	190 B	---	47 B	---	---	48 B	---	71 B	200 B	56 B
Cadmium	ug/L	6020A	<i>0.5</i>	5	16	---	<0.17	---	<0.17	---	---	<0.17	---	<0.17	<i>0.55</i>	<0.17
Chromium	ug/L	6020A	<i>10</i>	100	610	---	<1.1	---	1.6 J	---	---	<1.1	---	<1.1	<1.1	<1.1
Lead	ug/L	6020A	<i>1.5</i>	15	1800	---	0.38 J	---	0.86	---	---	<i>2.3 J</i>	---	<0.19	<0.19	<0.19
Mercury	ug/L	7470A	<i>0.2</i>	2	<i>1</i>	---	<0.98	---	<0.98	---	---	<0.98	---	<i>1.1 J</i>	<0.98	<0.98
Selenium	ug/L	6020A	<i>10</i>	50	<49	---	<0.12	---	<0.12	---	---	<0.12	---	<0.12	<0.12	<0.12
Silver	ug/L	6020A	<i>10</i>	50	1.9 J	---	0.19 J	---	0.31	---	---	<0.079	---	<0.079	<0.079	<0.079

Notes:

Italics = Exceeds Wisconsin Administrative Code (WAC) NR 140 Preventive Action Limit (PAL), July 2023

Bold = Exceeds WAC, NR 140 Enforcement Standard (ES), July 2023

--- No Established Standards / Not Analyzed

ug/L= Results expressed in micrograms per liter (ug/L)

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

TABLE 5
 GROUNDWATER QUALITY TEST RESULTS- PCBs
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
 MILWAUKEE, WI
 PROJECT NUMBER: 40443A

Sample Date	Units	EPA Method	NR 140 PAL	NR 140 ES	WB-MW-1				WB-MW-2		WB-MW-2R		WB-MW-4				WB-MW-5				WB-MW-6					
					6/30/2021	10/6/2021	8/5/2022	11/17/2023	6/30/2021	10/6/2021	8/5/2022	11/17/2023	6/30/2021	10/6/2021	10/6/2021**	8/5/2022	11/17/2023	12/27/2023	07/20/2021	10/6/2021	8/5/2022	11/17/2023	8/5/2022	8/5/2022**	11/17/2023	12/27/2023
Polychlorinated Biphenyls (PCBs)																										
PCB-1016	ug/L	8082A	0.003	0.03	---	<0.062	<0.064	<0.066	---	<0.063	<0.066	<0.085	---	<0.062	<0.076	<0.064	---	---	---	<0.062	<0.063	<0.062	<0.066	---	---	<0.086
PCB-1221	ug/L	8082A	0.003	0.03	---	<0.19	<0.19	<0.20	---	<0.19	<0.20	<0.25	---	<0.18	<0.23	<0.19	---	---	---	<0.18	<0.19	<0.19	<0.20	---	---	<0.26
PCB-1232	ug/L	8082A	0.003	0.03	---	<0.19	<0.19	<0.20	---	<0.19	<0.20	<0.25	---	<0.18	<0.23	<0.19	---	---	---	<0.18	<0.19	<0.19	<0.20	---	---	<0.26
PCB-1242	ug/L	8082A	0.003	0.03	---	<0.19	<0.19	<0.20	---	<0.19	<0.20	<0.25	---	<0.18	<0.23	<0.19	---	---	---	<0.18	<0.19	<0.19	<0.20	---	---	<0.26
PCB-1248	ug/L	8082A	0.003	0.03	---	<0.19	<0.19	<0.20	---	<0.19	<0.20	<0.25	---	<0.18	<0.23	<0.19	---	---	---	<0.18	<0.19	<0.19	<0.20	---	---	<0.26
PCB-1254	ug/L	8082A	0.003	0.03	---	<0.19	<0.19	<0.20	---	<0.19	<0.20	<0.25	---	<0.18	<0.23	<0.19	---	---	---	<0.18	<0.19	<0.19	<0.20	---	---	<0.26
PCB-1260	ug/L	8082A	0.003	0.03	---	<0.065	<0.067	<0.069	---	<0.065	<0.069	<0.089	---	<0.065	<0.079	<0.066	---	---	---	<0.064	<0.065	<0.065	<0.069	---	---	<0.090

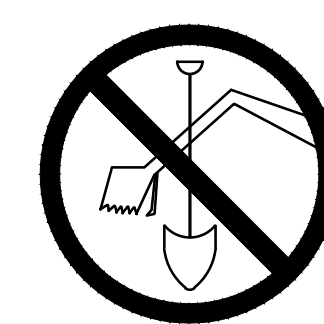
Notes:
 Italics = Exceeds Wisconsin Administrative Code (WAC), NR 140 Preventive Action Limits (PAL), July 2023
 Bold = Exceeds WAC, NR 140 Enforcement Limits (ES), July 2023
 '---' No Established Standards or Not Tested
 ug/L= Results expressed in micrograms per liter (ug/L)
 ** - Duplicate sample

ATTACHMENTS

ATTACHMENT A

Proposed Utility Plan

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN



CALL DIGGERS HOTLINE
811 OR 1-800-242-8511 TOLL FREE
WIS. STATUTE 103.15(1)(a) REQUIRES MIN. 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE
MILWAUKEE AREA 1-414-259-1161

NOTE: The location and size of the underground structures and utilities shown herein have been located to a reasonable degree of accuracy, but the Engineer and/or Surveyor does not guarantee their exact location or the location of others not shown. Contact Diggers Hotline, Inc., Etc.

ABBREVIATIONS:

- AC = ACRES
- ARC = ARC OF CURVE
- ASPH = ASPHALT
- BM = BENCHMARK
- CH = CHORD LENGTH
- COR = CORNER
- CSM = CERTIFIED SURVEY MAP OR MAPPING
- C.T.H. = COUNTY TRUNK HIGHWAY
- D = DELTA
- DEG = DEGREE OF CURVE
- E = EAST
- EL = ELEVATION
- EX = EXISTING
- EXC. = EXCEPTION
- FFE = FINISH FLOOR EL.
- FND = FOUND
- GFE = GARAGE FLOOR EL.
- GND = GROUND
- INV = INVERT
- IP = IRON PIPE
- IR = IRON ROD
- MEA = MEASURED
- NAD = NORTH AMERICAN DATUM
- N = NORTH
- NE = NORTHEAST
- NO = NUMBER
- NW = NORTHWEST
- PG = PAGE
- QTR = QUARTER
- REC = RECORDED AS
- RIM = RIM OR TOP POINT
- RW = RIGHT OF WAY
- S = SOUTH
- SE = SOUTHEAST
- SEWRP = SOUTHWEST WISCONSIN REGIONAL PLANNING COMMISSION
- SW = SOUTHWEST
- SUR = SURVEYED
- UG = UNDERGROUND
- U.S.H. = UNITED STATES HIGHWAY
- U.S.G.S. = UNITED STATES GEOLOGICAL SURVEY
- VAR = VARIATIONS
- VPI = VERTICAL POINT OF INTERSECTION
- W = WEST

LEGEND:

- SECTION CORNER MONUMENT
- EX. CHISELED CROSS FOUND
- EX. IRON ROD FOUND
- EX. IRON PIPE FOUND
- EX. CITY OR SITE BENCHMARK
- EX. STORM MANHOLE
- EX. CATCH BASIN ROUND
- EX. CATCH BASIN SQUARE
- EX. FLOOD LAMP
- EX. BOLLARD LIGHT
- EX. FLAG POLE
- EX. GAS VALVE
- EX. AIR CONDITIONER
- EX. ELECTRIC METER
- EX. GAS METER
- EX. ELECTRIC PEDESTAL
- EX. TELEPHONE PEDESTAL
- EX. CLEANOUT
- EX. POWER POLE
- EX. POWER / TELEPHONE POLE
- EX. MONITORING WELL OR CORING
- EX. MAILBOX
- EX. SANITARY MANHOLE
- EX. UNKNOWN MANHOLE
- EX. COMBINED SEWER MANHOLE
- EX. ELECTRIC MANHOLE
- EX. ELECTRIC TRANSFORMER
- EX. TELEPHONE MANHOLE
- EX. GUY WIRE
- EX. LIGHT POLE
- EX. SIGN
- EX. BOLLARD (BOL)
- EX. WATER VALVE
- EX. HYDRANT
- EX. SIAMESE HYDRANT

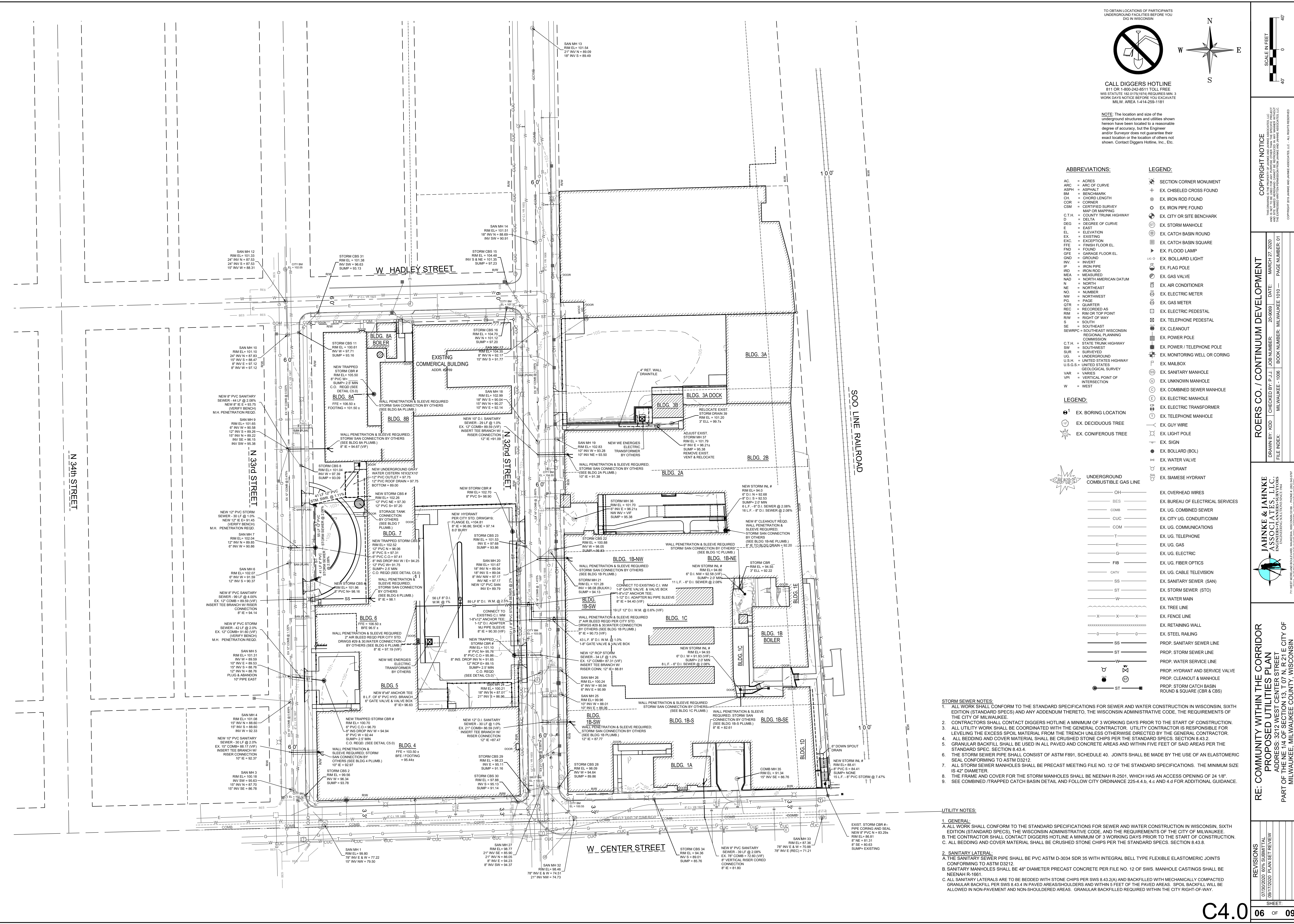
LEGEND:

- EX. BORING LOCATION
- EX. DECIDUOUS TREE
- EX. CONIFEROUS TREE

- UNDERGROUND COMBUSTIBLE GAS LINE**
- OH = OVERHEAD WIRES
 - BES = BUREAU OF ELECTRICAL SERVICES
 - COMB = EX. UG. COMBINED SEWER
 - CUC = EX. CITY UG. CONDUIT/COMM
 - COM = EX. UG. COMMUNICATIONS
 - T = EX. UG. TELEPHONE
 - EG = EX. UG. GAS
 - E = EX. UG. ELECTRIC
 - FIB = EX. UG. FIBER OPTICS
 - CATV = EX. UG. CABLE TELEVISION
 - SS = EX. SANITARY SEWER (SAN)
 - ST = EX. STORM SEWER (STO)
 - W = EX. WATER MAIN
 - EX. TREE LINE
 - EX. FENCE LINE
 - EX. RETAINING WALL
 - EX. STEEL RAILING
 - PROP. SANITARY SEWER LINE
 - PROP. STORM SEWER LINE
 - PROP. WATER SERVICE LINE
 - PROP. HYDRANT AND SERVICE VALVE
 - PROP. CLEANOUT & MANHOLE
 - PROP. STORM CATCH BASIN ROUND & SQUARE (C&B)

- STORM SEWER NOTES:**
- ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION (STANDARD SPECS) AND ANY ADDENDUM THERETO, THE WISCONSIN ADMINISTRATIVE CODE, THE REQUIREMENTS OF THE CITY OF MILWAUKEE.
 - CONTRACTORS SHALL CONTACT DIGGERS HOTLINE A MINIMUM OF 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. ALL UTILITY WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. UTILITY CONTRACTOR IS RESPONSIBLE FOR LEVELING THE EXCESS SPILL MATERIAL FROM THE TRENCH UNLESS OTHERWISE DIRECTED BY THE GENERAL CONTRACTOR.
 - ALL BEDDING AND COVER MATERIAL SHALL BE CRUSHED STONE CHIPS PER THE STANDARD SPECS. SECTION 8.4.3.2.
 - GRANULAR BACKFILL SHALL BE USED IN ALL PAVED AND CONCRETE AREAS AND WITHIN FIVE FEET OF SAID AREAS PER THE STANDARD SPEC. SECTION 8.4.3.
 - THE STORM SEWER PIPE SHALL CONSIST OF ASTM F891, SCHEDULE 40. JOINTS SHALL BE MADE BY THE USE OF AN ELASTOMERIC SEAL CONFORMING TO ASTM D3212.
 - ALL STORM SEWER MANHOLES SHALL BE PRECAST MEETING FILE NO. 12 OF THE STANDARD SPECIFICATIONS. THE MINIMUM SIZE IS 42" DIAMETER.
 - THE FRAME AND COVER FOR THE STORM MANHOLES SHALL BE NEENAH R-2501, WHICH HAS AN ACCESS OPENING OF 24 1/8".
 - SEE COMBINED /TRAPPED CATCH BASIN DETAIL AND FOLLOW CITY ORDINANCE 225-4.4, c.c. AND 4.4 FOR ADDITIONAL GUIDANCE.

- UTILITY NOTES:**
- GENERAL:
A. ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION (STANDARD SPECS), THE WISCONSIN ADMINISTRATIVE CODE, AND THE REQUIREMENTS OF THE CITY OF MILWAUKEE.
B. THE CONTRACTOR SHALL CONTACT DIGGERS HOTLINE A MINIMUM OF 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
C. ALL BEDDING AND COVER MATERIAL SHALL BE CRUSHED STONE CHIPS PER THE STANDARD SPECS. SECTION 8.4.3.8.
 - SANITARY LATERAL:
A. THE SANITARY SEWER PIPE SHALL BE PVC ASTM D-3034 SDR 35 WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS CONFORMING TO ASTM D3212.
B. SANITARY MANHOLES SHALL BE 48" DIAMETER PRECAST CONCRETE PER FILE NO. 12 OF SWS. MANHOLE CASTINGS SHALL BE NEENAH R-1801.
C. ALL SANITARY LATERALS ARE TO BE BEDDED WITH STONE CHIPS PER SWS 8.4.3.2(A) AND BACKFILLED WITH MECHANICALLY COMPACTED GRANULAR BACKFILL PER SWS 8.4.3.4 IN PAVED AREAS/SHOULDERS AND WITHIN 5 FEET OF THE PAVED AREAS. SPOIL BACKFILL WILL BE ALLOWED IN NON-PAVED AND NON-SHOULDERED AREAS. GRANULAR BACKFILL REQUIRED WITHIN THE CITY RIGHT-OF-WAY.



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ROERS CO. / CONTINUUM DEVELOPMENT
DRAWN BY: KDD | CHECKED BY: P.L.J. | JOB NUMBER: 20-0909 | DATE: MARCH 27, 2020 | PAGE NUMBER: 01
FILE INDEX: MILWAUKEE - 1008 | BOOK NUMBER: MILWAUKEE 1010



RE: COMMUNITY WITHIN THE CORRIDOR
PROPOSED UTILITIES PLAN
ADDRESS: 3212 WEST CENTER STREET
PART OF THE NE 1/4 OF SECTION 13, T.07 N, R.21 E CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

REVISIONS
07/30/2020 60% SUBMITTAL
09/17/2020 PLAN REVIEW
SHEET: 06 OF 09
FILE NAME: S:\projects\20-0909\dwg\20-0909.dwg

C4.0

ATTACHMENT B

Groundwater Analytical Results



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Robert Reineke
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Generated 12/6/2023 12:31:21 PM

JOB DESCRIPTION

Community Within the Corridor - 40443A

JOB NUMBER

500-242645-1

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.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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12/6/2023 12:31:21 PM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660



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Case Narrative

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Job ID: 500-242645-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-242645-1

Receipt

The samples were received on 11/16/2023 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.1° C and 1.8° C.

Receipt Exceptions

Received two VOA vials for sample -1 with headspace.

Received only one 250ml amber bottle and no VOA vials for sample -3.

GC/MS VOA

Method 8260B: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: WB-MW-1 (500-242645-1) and WB-MW-2R (500-242645-2).

Method 8260B: The laboratory control sample (LCS) for analytical batch 500-743209 recovered outside control limits for the following analytes: Vinyl chloride, 1,1-Dichloroethene, Tetrachloroethene, Trichlorofluoromethane and trans-1,2-Dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) analyzed in 500-743245 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and Benzo[a]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC Semi VOA

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

Metals

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

Organic Prep

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

Detection Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-1

Lab Sample ID: 500-242645-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	190	B	2.5	0.73	ug/L	1		6020A	Dissolved
Lead	0.38	J	0.50	0.19	ug/L	1		6020A	Dissolved
Mercury	0.19	J	0.20	0.079	ug/L	1		7470A	Dissolved

Client Sample ID: WB-MW-2R

Lab Sample ID: 500-242645-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.73	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	47	B	2.5	0.73	ug/L	1		6020A	Dissolved
Chromium	1.6	J	5.0	1.1	ug/L	1		6020A	Dissolved
Lead	0.86		0.50	0.19	ug/L	1		6020A	Dissolved
Mercury	0.31		0.20	0.079	ug/L	1		7470A	Dissolved

Client Sample ID: WB-MW-6

Lab Sample ID: 500-242645-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.41	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	71	B	2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.1	J	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: WB-MW-5

Lab Sample ID: 500-242645-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.6		1.0	0.23	ug/L	1		6020A	Dissolved
Barium	200	B	2.5	0.73	ug/L	1		6020A	Dissolved
Cadmium	0.55		0.50	0.17	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CHI
6020A	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	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
7470A	Preparation, Mercury	SW846	EET CHI
FILTRATION	Sample Filtration	None	EET CHI

Protocol References:

None = None

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: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-242645-1	WB-MW-1	Water	11/14/23 14:30	11/16/23 10:10
500-242645-2	WB-MW-2R	Water	11/14/23 14:45	11/16/23 10:10
500-242645-3	WB-MW-6	Water	11/14/23 16:30	11/16/23 10:10
500-242645-4	WB-MW-5	Water	11/14/23 16:05	11/16/23 10:10

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-1

Lab Sample ID: 500-242645-1

Date Collected: 11/14/23 14:30

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 15:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 15:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 15:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 15:31	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 15:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 15:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 15:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 15:31	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 15:31	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 15:31	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 15:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 15:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 15:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 15:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 15:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 15:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 15:31	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 15:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 15:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 15:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 15:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 15:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 15:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 15:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 15:31	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 15:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 15:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 15:31	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 15:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 15:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 15:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 15:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 15:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 15:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/21/23 15:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 15:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 15:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 15:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 15:31	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 15:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 15:31	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 15:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 15:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 15:31	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 15:31	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 15:31	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 15:31	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 15:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 15:31	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-1

Lab Sample ID: 500-242645-1

Date Collected: 11/14/23 14:30

Matrix: Water

Date Received: 11/16/23 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 15:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 15:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 15:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 15:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 15:31	1
Trichlorofluoromethane	<0.43	+	1.0	0.43	ug/L			11/21/23 15:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 15:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 15:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 15:31	1
Vinyl chloride	<0.20	+	1.0	0.20	ug/L			11/21/23 15:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		72 - 124		11/21/23 15:31	1
Dibromofluoromethane (Surr)	112		75 - 120		11/21/23 15:31	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		11/21/23 15:31	1
Toluene-d8 (Surr)	96		75 - 120		11/21/23 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.24		0.79	0.24	ug/L		11/20/23 07:57	11/21/23 17:13	1
Acenaphthylene	<0.21		0.79	0.21	ug/L		11/20/23 07:57	11/21/23 17:13	1
Anthracene	<0.26		0.79	0.26	ug/L		11/20/23 07:57	11/21/23 17:13	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		11/20/23 07:57	11/21/23 17:13	1
Benzo[a]pyrene	<0.078		0.16	0.078	ug/L		11/20/23 07:57	11/21/23 17:13	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		11/20/23 07:57	11/21/23 17:13	1
Benzo[g,h,i]perylene	<0.30		0.79	0.30	ug/L		11/20/23 07:57	11/21/23 17:13	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		11/20/23 07:57	11/21/23 17:13	1
Chrysene	<0.054		0.16	0.054	ug/L		11/20/23 07:57	11/21/23 17:13	1
Dibenz(a,h)anthracene	<0.040		0.24	0.040	ug/L		11/20/23 07:57	11/21/23 17:13	1
Fluoranthene	<0.36		0.79	0.36	ug/L		11/20/23 07:57	11/21/23 17:13	1
Fluorene	<0.19		0.79	0.19	ug/L		11/20/23 07:57	11/21/23 17:13	1
Indeno[1,2,3-cd]pyrene	<0.059		0.16	0.059	ug/L		11/20/23 07:57	11/21/23 17:13	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		11/20/23 07:57	11/21/23 17:13	1
2-Methylnaphthalene	<0.051		1.6	0.051	ug/L		11/20/23 07:57	11/21/23 17:13	1
Naphthalene	<0.24		0.79	0.24	ug/L		11/20/23 07:57	11/21/23 17:13	1
Phenanthrene	<0.24		0.79	0.24	ug/L		11/20/23 07:57	11/21/23 17:13	1
Pyrene	<0.34		0.79	0.34	ug/L		11/20/23 07:57	11/21/23 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	81		34 - 110	11/20/23 07:57	11/21/23 17:13	1
Nitrobenzene-d5 (Surr)	89		36 - 120	11/20/23 07:57	11/21/23 17:13	1
Terphenyl-d14 (Surr)	88		40 - 145	11/20/23 07:57	11/21/23 17:13	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.066		0.39	0.066	ug/L		11/29/23 07:42	12/01/23 16:20	1
PCB-1221	<0.20		0.39	0.20	ug/L		11/29/23 07:42	12/01/23 16:20	1
PCB-1232	<0.20		0.39	0.20	ug/L		11/29/23 07:42	12/01/23 16:20	1
PCB-1242	<0.20		0.39	0.20	ug/L		11/29/23 07:42	12/01/23 16:20	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-1

Lab Sample ID: 500-242645-1

Date Collected: 11/14/23 14:30

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.20		0.39	0.20	ug/L		11/29/23 07:42	12/01/23 16:20	1
PCB-1254	<0.20		0.39	0.20	ug/L		11/29/23 07:42	12/01/23 16:20	1
PCB-1260	<0.069		0.39	0.069	ug/L		11/29/23 07:42	12/01/23 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	55		30 - 120				11/29/23 07:42	12/01/23 16:20	1
DCB Decachlorobiphenyl	38		30 - 140				11/29/23 07:42	12/01/23 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.36	J	1.0	0.23	ug/L		11/28/23 08:55	12/05/23 21:02	1
Barium	190	B	2.5	0.73	ug/L		11/28/23 08:55	12/05/23 21:02	1
Cadmium	<0.17		0.50	0.17	ug/L		11/28/23 08:55	12/05/23 21:02	1
Chromium	<1.1		5.0	1.1	ug/L		11/28/23 08:55	12/05/23 21:02	1
Lead	0.38	J	0.50	0.19	ug/L		11/28/23 08:55	12/05/23 21:02	1
Selenium	<0.98		2.5	0.98	ug/L		11/28/23 08:55	12/05/23 21:02	1
Silver	<0.12		0.50	0.12	ug/L		11/28/23 08:55	12/05/23 21:02	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19	J	0.20	0.079	ug/L		11/21/23 11:15	11/22/23 09:09	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-2R

Lab Sample ID: 500-242645-2

Date Collected: 11/14/23 14:45

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 15:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 15:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 15:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 15:56	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 15:56	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 15:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 15:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 15:56	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 15:56	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 15:56	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 15:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 15:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 15:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 15:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 15:56	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 15:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 15:56	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 15:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 15:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 15:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 15:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 15:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 15:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 15:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 15:56	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 15:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 15:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 15:56	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 15:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 15:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 15:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 15:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 15:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 15:56	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/21/23 15:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 15:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 15:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 15:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 15:56	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 15:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 15:56	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 15:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 15:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 15:56	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 15:56	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 15:56	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 15:56	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 15:56	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 15:56	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-2R

Lab Sample ID: 500-242645-2

Date Collected: 11/14/23 14:45

Matrix: Water

Date Received: 11/16/23 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 15:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 15:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 15:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 15:56	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 15:56	1
Trichlorofluoromethane	<0.43	+	1.0	0.43	ug/L			11/21/23 15:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 15:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 15:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 15:56	1
Vinyl chloride	<0.20	+	1.0	0.20	ug/L			11/21/23 15:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		72 - 124		11/21/23 15:56	1
Dibromofluoromethane (Surr)	108		75 - 120		11/21/23 15:56	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		11/21/23 15:56	1
Toluene-d8 (Surr)	96		75 - 120		11/21/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.27		0.89	0.27	ug/L		11/20/23 07:57	11/21/23 17:37	1
Acenaphthylene	<0.24		0.89	0.24	ug/L		11/20/23 07:57	11/21/23 17:37	1
Anthracene	<0.30		0.89	0.30	ug/L		11/20/23 07:57	11/21/23 17:37	1
Benzo[a]anthracene	<0.050		0.18	0.050	ug/L		11/20/23 07:57	11/21/23 17:37	1
Benzo[a]pyrene	<0.088		0.18	0.088	ug/L		11/20/23 07:57	11/21/23 17:37	1
Benzo[b]fluoranthene	<0.072		0.18	0.072	ug/L		11/20/23 07:57	11/21/23 17:37	1
Benzo[g,h,i]perylene	<0.33		0.89	0.33	ug/L		11/20/23 07:57	11/21/23 17:37	1
Benzo[k]fluoranthene	<0.057		0.18	0.057	ug/L		11/20/23 07:57	11/21/23 17:37	1
Chrysene	<0.061		0.18	0.061	ug/L		11/20/23 07:57	11/21/23 17:37	1
Dibenz(a,h)anthracene	<0.045		0.27	0.045	ug/L		11/20/23 07:57	11/21/23 17:37	1
Fluoranthene	<0.40		0.89	0.40	ug/L		11/20/23 07:57	11/21/23 17:37	1
Fluorene	<0.22		0.89	0.22	ug/L		11/20/23 07:57	11/21/23 17:37	1
Indeno[1,2,3-cd]pyrene	<0.066		0.18	0.066	ug/L		11/20/23 07:57	11/21/23 17:37	1
1-Methylnaphthalene	<0.27		1.8	0.27	ug/L		11/20/23 07:57	11/21/23 17:37	1
2-Methylnaphthalene	<0.058		1.8	0.058	ug/L		11/20/23 07:57	11/21/23 17:37	1
Naphthalene	<0.27		0.89	0.27	ug/L		11/20/23 07:57	11/21/23 17:37	1
Phenanthrene	<0.27		0.89	0.27	ug/L		11/20/23 07:57	11/21/23 17:37	1
Pyrene	<0.38		0.89	0.38	ug/L		11/20/23 07:57	11/21/23 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		34 - 110	11/20/23 07:57	11/21/23 17:37	1
Nitrobenzene-d5 (Surr)	89		36 - 120	11/20/23 07:57	11/21/23 17:37	1
Terphenyl-d14 (Surr)	75		40 - 145	11/20/23 07:57	11/21/23 17:37	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.085		0.51	0.085	ug/L		11/29/23 07:42	12/01/23 16:33	1
PCB-1221	<0.25		0.51	0.25	ug/L		11/29/23 07:42	12/01/23 16:33	1
PCB-1232	<0.25		0.51	0.25	ug/L		11/29/23 07:42	12/01/23 16:33	1
PCB-1242	<0.25		0.51	0.25	ug/L		11/29/23 07:42	12/01/23 16:33	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-2R

Lab Sample ID: 500-242645-2

Date Collected: 11/14/23 14:45

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.25		0.51	0.25	ug/L		11/29/23 07:42	12/01/23 16:33	1
PCB-1254	<0.25		0.51	0.25	ug/L		11/29/23 07:42	12/01/23 16:33	1
PCB-1260	<0.089		0.51	0.089	ug/L		11/29/23 07:42	12/01/23 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		30 - 120				11/29/23 07:42	12/01/23 16:33	1
DCB Decachlorobiphenyl	67		30 - 140				11/29/23 07:42	12/01/23 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.73	J	1.0	0.23	ug/L		11/28/23 08:55	12/05/23 21:06	1
Barium	47	B	2.5	0.73	ug/L		11/28/23 08:55	12/05/23 21:06	1
Cadmium	<0.17		0.50	0.17	ug/L		11/28/23 08:55	12/05/23 21:06	1
Chromium	1.6	J	5.0	1.1	ug/L		11/28/23 08:55	12/05/23 21:06	1
Lead	0.86		0.50	0.19	ug/L		11/28/23 08:55	12/05/23 21:06	1
Selenium	<0.98		2.5	0.98	ug/L		11/28/23 08:55	12/05/23 21:06	1
Silver	<0.12		0.50	0.12	ug/L		11/28/23 08:55	12/05/23 21:06	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31		0.20	0.079	ug/L		11/21/23 11:15	11/22/23 09:11	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-6

Lab Sample ID: 500-242645-3

Date Collected: 11/14/23 16:30

Matrix: Water

Date Received: 11/16/23 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.41	J	1.0	0.23	ug/L		11/28/23 08:55	12/05/23 21:09	1
Barium	71	B	2.5	0.73	ug/L		11/28/23 08:55	12/05/23 21:09	1
Cadmium	<0.17		0.50	0.17	ug/L		11/28/23 08:55	12/05/23 21:09	1
Chromium	<1.1		5.0	1.1	ug/L		11/28/23 08:55	12/05/23 21:09	1
Lead	<0.19		0.50	0.19	ug/L		11/28/23 08:55	12/05/23 21:09	1
Selenium	1.1	J	2.5	0.98	ug/L		11/28/23 08:55	12/05/23 21:09	1
Silver	<0.12		0.50	0.12	ug/L		11/28/23 08:55	12/05/23 21:09	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		11/21/23 11:15	11/22/23 09:13	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-5

Lab Sample ID: 500-242645-4

Date Collected: 11/14/23 16:05

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 16:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 16:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 16:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 16:21	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 16:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 16:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 16:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 16:21	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 16:21	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 16:21	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 16:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 16:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 16:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 16:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 16:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 16:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 16:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 16:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 16:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 16:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 16:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 16:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 16:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 16:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 16:21	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 16:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 16:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 16:21	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 16:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 16:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 16:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 16:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 16:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 16:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/21/23 16:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 16:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 16:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 16:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 16:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 16:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 16:21	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 16:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 16:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 16:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 16:21	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 16:21	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 16:21	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 16:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 16:21	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-5

Lab Sample ID: 500-242645-4

Date Collected: 11/14/23 16:05

Matrix: Water

Date Received: 11/16/23 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 16:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 16:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 16:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 16:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 16:21	1
Trichlorofluoromethane	<0.43	+	1.0	0.43	ug/L			11/21/23 16:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 16:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 16:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 16:21	1
Vinyl chloride	<0.20	+	1.0	0.20	ug/L			11/21/23 16:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		11/21/23 16:21	1
Dibromofluoromethane (Surr)	109		75 - 120		11/21/23 16:21	1
1,2-Dichloroethane-d4 (Surr)	104		75 - 126		11/21/23 16:21	1
Toluene-d8 (Surr)	100		75 - 120		11/21/23 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.23		0.74	0.23	ug/L		11/20/23 07:57	11/27/23 14:13	1
Acenaphthylene	<0.20		0.74	0.20	ug/L		11/20/23 07:57	11/27/23 14:13	1
Anthracene	<0.25		0.74	0.25	ug/L		11/20/23 07:57	11/27/23 14:13	1
Benzo[a]anthracene	<0.042		0.15	0.042	ug/L		11/20/23 07:57	11/27/23 14:13	1
Benzo[a]pyrene	<0.073		0.15	0.073	ug/L		11/20/23 07:57	11/27/23 14:13	1
Benzo[b]fluoranthene	<0.060		0.15	0.060	ug/L		11/20/23 07:57	11/27/23 14:13	1
Benzo[g,h,i]perylene	<0.28		0.74	0.28	ug/L		11/20/23 07:57	11/27/23 14:13	1
Benzo[k]fluoranthene	<0.048		0.15	0.048	ug/L		11/20/23 07:57	11/27/23 14:13	1
Chrysene	<0.051		0.15	0.051	ug/L		11/20/23 07:57	11/27/23 14:13	1
Dibenz(a,h)anthracene	<0.038		0.22	0.038	ug/L		11/20/23 07:57	11/27/23 14:13	1
Fluoranthene	<0.34		0.74	0.34	ug/L		11/20/23 07:57	11/27/23 14:13	1
Fluorene	<0.18		0.74	0.18	ug/L		11/20/23 07:57	11/27/23 14:13	1
Indeno[1,2,3-cd]pyrene	<0.056		0.15	0.056	ug/L		11/20/23 07:57	11/27/23 14:13	1
1-Methylnaphthalene	<0.22		1.5	0.22	ug/L		11/20/23 07:57	11/27/23 14:13	1
2-Methylnaphthalene	<0.048		1.5	0.048	ug/L		11/20/23 07:57	11/27/23 14:13	1
Naphthalene	<0.23		0.74	0.23	ug/L		11/20/23 07:57	11/27/23 14:13	1
Phenanthrene	<0.22		0.74	0.22	ug/L		11/20/23 07:57	11/27/23 14:13	1
Pyrene	<0.32		0.74	0.32	ug/L		11/20/23 07:57	11/27/23 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		34 - 110	11/20/23 07:57	11/27/23 14:13	1
Nitrobenzene-d5 (Surr)	82		36 - 120	11/20/23 07:57	11/27/23 14:13	1
Terphenyl-d14 (Surr)	82		40 - 145	11/20/23 07:57	11/27/23 14:13	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.062		0.37	0.062	ug/L		11/29/23 07:42	12/01/23 16:46	1
PCB-1221	<0.19		0.37	0.19	ug/L		11/29/23 07:42	12/01/23 16:46	1
PCB-1232	<0.19		0.37	0.19	ug/L		11/29/23 07:42	12/01/23 16:46	1
PCB-1242	<0.19		0.37	0.19	ug/L		11/29/23 07:42	12/01/23 16:46	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-5

Lab Sample ID: 500-242645-4

Date Collected: 11/14/23 16:05

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.19		0.37	0.19	ug/L		11/29/23 07:42	12/01/23 16:46	1
PCB-1254	<0.19		0.37	0.19	ug/L		11/29/23 07:42	12/01/23 16:46	1
PCB-1260	<0.065		0.37	0.065	ug/L		11/29/23 07:42	12/01/23 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		30 - 120				11/29/23 07:42	12/01/23 16:46	1
DCB Decachlorobiphenyl	41		30 - 140				11/29/23 07:42	12/01/23 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6		1.0	0.23	ug/L		11/28/23 08:55	12/05/23 21:13	1
Barium	200	B	2.5	0.73	ug/L		11/28/23 08:55	12/05/23 21:13	1
Cadmium	0.55		0.50	0.17	ug/L		11/28/23 08:55	12/05/23 21:13	1
Chromium	<1.1		5.0	1.1	ug/L		11/28/23 08:55	12/05/23 21:13	1
Lead	<0.19		0.50	0.19	ug/L		11/28/23 08:55	12/05/23 21:13	1
Selenium	<0.98		2.5	0.98	ug/L		11/28/23 08:55	12/05/23 21:13	1
Silver	<0.12		0.50	0.12	ug/L		11/28/23 08:55	12/05/23 21:13	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		11/21/23 11:15	11/22/23 09:16	1

Definitions/Glossary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

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: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

GC/MS VOA

Analysis Batch: 743209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Total/NA	Water	8260B	
500-242645-2	WB-MW-2R	Total/NA	Water	8260B	
500-242645-4	WB-MW-5	Total/NA	Water	8260B	
MB 500-743209/8	Method Blank	Total/NA	Water	8260B	
LCS 500-743209/27	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 743002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Total/NA	Water	3510C	
500-242645-2	WB-MW-2R	Total/NA	Water	3510C	
500-242645-4	WB-MW-5	Total/NA	Water	3510C	
MB 500-743002/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-743002/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 500-743002/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 743245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Total/NA	Water	8270D	743002
500-242645-2	WB-MW-2R	Total/NA	Water	8270D	743002
MB 500-743002/1-A	Method Blank	Total/NA	Water	8270D	743002
LCS 500-743002/2-A	Lab Control Sample	Total/NA	Water	8270D	743002
LCS 500-743002/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	743002

Analysis Batch: 743752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-4	WB-MW-5	Total/NA	Water	8270D	743002

GC Semi VOA

Prep Batch: 744154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Total/NA	Water	3510C	
500-242645-2	WB-MW-2R	Total/NA	Water	3510C	
500-242645-4	WB-MW-5	Total/NA	Water	3510C	
MB 500-744154/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-744154/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 500-744154/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 744707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Total/NA	Water	8082A	744154
500-242645-2	WB-MW-2R	Total/NA	Water	8082A	744154
500-242645-4	WB-MW-5	Total/NA	Water	8082A	744154
MB 500-744154/1-A	Method Blank	Total/NA	Water	8082A	744154
LCS 500-744154/4-A	Lab Control Sample	Total/NA	Water	8082A	744154
LCS 500-744154/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	744154

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QC Association Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Metals

Filtration Batch: 743280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Dissolved	Water	FILTRATION	
500-242645-2	WB-MW-2R	Dissolved	Water	FILTRATION	
500-242645-3	WB-MW-6	Dissolved	Water	FILTRATION	
500-242645-4	WB-MW-5	Dissolved	Water	FILTRATION	
MB 500-743280/1-B	Method Blank	Dissolved	Water	FILTRATION	
MB 500-743280/1-C	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 743314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Dissolved	Water	7470A	743280
500-242645-2	WB-MW-2R	Dissolved	Water	7470A	743280
500-242645-3	WB-MW-6	Dissolved	Water	7470A	743280
500-242645-4	WB-MW-5	Dissolved	Water	7470A	743280
MB 500-743280/1-B	Method Blank	Dissolved	Water	7470A	743280
MB 500-743314/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-743314/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 743577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Dissolved	Water	7470A	743314
500-242645-2	WB-MW-2R	Dissolved	Water	7470A	743314
500-242645-3	WB-MW-6	Dissolved	Water	7470A	743314
500-242645-4	WB-MW-5	Dissolved	Water	7470A	743314
MB 500-743280/1-B	Method Blank	Dissolved	Water	7470A	743314
MB 500-743314/12-A	Method Blank	Total/NA	Water	7470A	743314
LCS 500-743314/13-A	Lab Control Sample	Total/NA	Water	7470A	743314

Prep Batch: 743983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Dissolved	Water	3005A	743280
500-242645-2	WB-MW-2R	Dissolved	Water	3005A	743280
500-242645-3	WB-MW-6	Dissolved	Water	3005A	743280
500-242645-4	WB-MW-5	Dissolved	Water	3005A	743280
MB 500-743280/1-C	Method Blank	Dissolved	Water	3005A	743280
LCS 500-743983/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 745371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242645-1	WB-MW-1	Dissolved	Water	6020A	743983
500-242645-2	WB-MW-2R	Dissolved	Water	6020A	743983
500-242645-3	WB-MW-6	Dissolved	Water	6020A	743983
500-242645-4	WB-MW-5	Dissolved	Water	6020A	743983
MB 500-743280/1-C	Method Blank	Dissolved	Water	6020A	743983
LCS 500-743983/2-A	Lab Control Sample	Total Recoverable	Water	6020A	743983

Surrogate Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-242645-1	WB-MW-1	87	112	99	96
500-242645-2	WB-MW-2R	88	108	98	96
500-242645-4	WB-MW-5	90	109	104	100
LCS 500-743209/27	Lab Control Sample	79	109	92	97
MB 500-743209/8	Method Blank	89	104	96	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (34-110)	NBZ (36-120)	TPHL (40-145)
500-242645-1	WB-MW-1	81	89	88
500-242645-2	WB-MW-2R	83	89	75
500-242645-4	WB-MW-5	78	82	82
LCS 500-743002/2-A	Lab Control Sample	88	96	103
LCSD 500-743002/3-A	Lab Control Sample Dup	83	88	99
MB 500-743002/1-A	Method Blank	74	83	94

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (30-120)	DCBP2 (30-140)
500-242645-1	WB-MW-1	55	38
500-242645-2	WB-MW-2R	70	67
500-242645-4	WB-MW-5	59	41
LCS 500-744154/4-A	Lab Control Sample	61	79
LCSD 500-744154/5-A	Lab Control Sample Dup	54	72
MB 500-744154/1-A	Method Blank	44	78

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-743209/8
Matrix: Water
Analysis Batch: 743209

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 11:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 11:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 11:23	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 11:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 11:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 11:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 11:23	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 11:23	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 11:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 11:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 11:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 11:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 11:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 11:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 11:23	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 11:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 11:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 11:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 11:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 11:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 11:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 11:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 11:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 11:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 11:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 11:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/21/23 11:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 11:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 11:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 11:23	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 11:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 11:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 11:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/21/23 11:23	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 11:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/21/23 11:23	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

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

Lab Sample ID: MB 500-743209/8
Matrix: Water
Analysis Batch: 743209

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 11:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 11:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 11:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 11:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 11:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/21/23 11:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 11:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 11:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/21/23 11:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 11:23	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	89		72 - 124		11/21/23 11:23	1
Dibromofluoromethane (Surr)	104		75 - 120		11/21/23 11:23	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		11/21/23 11:23	1
Toluene-d8 (Surr)	93		75 - 120		11/21/23 11:23	1

Lab Sample ID: LCS 500-743209/27
Matrix: Water
Analysis Batch: 743209

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	45.4		ug/L		91	70 - 122
Bromochloromethane	50.0	60.2		ug/L		120	65 - 122
Bromodichloromethane	50.0	43.5		ug/L		87	69 - 120
Bromoform	50.0	45.3		ug/L		91	56 - 132
Bromomethane	50.0	55.1		ug/L		110	40 - 152
Carbon tetrachloride	50.0	65.2		ug/L		130	59 - 133
Chlorobenzene	50.0	50.7		ug/L		101	70 - 120
Chloroethane	50.0	52.0		ug/L		104	48 - 136
Chloroform	50.0	60.1		ug/L		120	70 - 120
Chloromethane	50.0	57.3		ug/L		115	56 - 152
2-Chlorotoluene	50.0	45.0		ug/L		90	70 - 125
4-Chlorotoluene	50.0	42.4		ug/L		85	68 - 124
cis-1,2-Dichloroethene	50.0	55.6		ug/L		111	70 - 125
cis-1,3-Dichloropropene	50.0	39.6		ug/L		79	64 - 127
Dibromochloromethane	50.0	46.2		ug/L		92	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	35.1		ug/L		70	56 - 123
1,2-Dibromoethane	50.0	44.4		ug/L		89	70 - 125
Dibromomethane	50.0	47.7		ug/L		95	70 - 120
1,2-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 125
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 125
1,4-Dichlorobenzene	50.0	48.1		ug/L		96	70 - 120
Dichlorodifluoromethane	50.0	71.8		ug/L		144	40 - 159
1,1-Dichloroethane	50.0	57.0		ug/L		114	70 - 125

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

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

Lab Sample ID: LCS 500-743209/27
Matrix: Water
Analysis Batch: 743209

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	46.5		ug/L		93	68 - 127
1,1-Dichloroethene	50.0	61.8	*+	ug/L		124	67 - 122
1,2-Dichloropropane	50.0	43.6		ug/L		87	67 - 130
1,3-Dichloropropane	50.0	44.6		ug/L		89	62 - 136
2,2-Dichloropropane	50.0	55.0		ug/L		110	58 - 139
1,1-Dichloropropene	50.0	56.3		ug/L		113	70 - 121
Ethylbenzene	50.0	50.2		ug/L		100	70 - 123
Hexachlorobutadiene	50.0	64.5		ug/L		129	51 - 150
Isopropylbenzene	50.0	43.6		ug/L		87	70 - 126
Methylene Chloride	50.0	55.0		ug/L		110	69 - 125
Methyl tert-butyl ether	50.0	46.4		ug/L		93	55 - 123
Naphthalene	50.0	43.3		ug/L		87	53 - 144
n-Butylbenzene	50.0	44.6		ug/L		89	68 - 125
N-Propylbenzene	50.0	42.3		ug/L		85	69 - 127
p-Isopropyltoluene	50.0	46.5		ug/L		93	70 - 125
sec-Butylbenzene	50.0	46.8		ug/L		94	70 - 123
Styrene	50.0	46.3		ug/L		93	70 - 120
tert-Butylbenzene	50.0	43.6		ug/L		87	70 - 121
1,1,1,2-Tetrachloroethane	50.0	53.9		ug/L		108	70 - 125
1,1,2,2-Tetrachloroethane	50.0	34.9		ug/L		70	62 - 140
Tetrachloroethene	50.0	64.9	*+	ug/L		130	70 - 128
Toluene	50.0	49.5		ug/L		99	70 - 125
trans-1,2-Dichloroethene	50.0	64.0	*+	ug/L		128	70 - 125
trans-1,3-Dichloropropene	50.0	41.6		ug/L		83	62 - 128
1,2,3-Trichlorobenzene	50.0	55.1		ug/L		110	51 - 145
1,2,4-Trichlorobenzene	50.0	54.4		ug/L		109	57 - 137
1,1,1-Trichloroethane	50.0	61.3		ug/L		123	70 - 125
1,1,2-Trichloroethane	50.0	43.2		ug/L		86	71 - 130
Trichloroethene	50.0	58.1		ug/L		116	70 - 125
Trichlorofluoromethane	50.0	80.8	*+	ug/L		162	55 - 128
1,2,3-Trichloropropane	50.0	45.0		ug/L		90	50 - 133
1,2,4-Trimethylbenzene	50.0	43.1		ug/L		86	70 - 123
1,3,5-Trimethylbenzene	50.0	44.3		ug/L		89	70 - 123
Vinyl chloride	50.0	64.4	*+	ug/L		129	64 - 126
Xylenes, Total	100	98.6		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	79		72 - 124
Dibromofluoromethane (Surr)	109		75 - 120
1,2-Dichloroethane-d4 (Surr)	92		75 - 126
Toluene-d8 (Surr)	97		75 - 120

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

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

Lab Sample ID: MB 500-743002/1-A
Matrix: Water
Analysis Batch: 743245

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743002

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.25		0.80	0.25	ug/L		11/20/23 07:57	11/21/23 13:29	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		11/20/23 07:57	11/21/23 13:29	1
Anthracene	<0.27		0.80	0.27	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		11/20/23 07:57	11/21/23 13:29	1
Chrysene	<0.055		0.16	0.055	ug/L		11/20/23 07:57	11/21/23 13:29	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		11/20/23 07:57	11/21/23 13:29	1
Fluoranthene	<0.36		0.80	0.36	ug/L		11/20/23 07:57	11/21/23 13:29	1
Fluorene	<0.20		0.80	0.20	ug/L		11/20/23 07:57	11/21/23 13:29	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		11/20/23 07:57	11/21/23 13:29	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		11/20/23 07:57	11/21/23 13:29	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		11/20/23 07:57	11/21/23 13:29	1
Naphthalene	<0.25		0.80	0.25	ug/L		11/20/23 07:57	11/21/23 13:29	1
Phenanthrene	<0.24		0.80	0.24	ug/L		11/20/23 07:57	11/21/23 13:29	1
Pyrene	<0.34		0.80	0.34	ug/L		11/20/23 07:57	11/21/23 13:29	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	74		34 - 110	11/20/23 07:57	11/21/23 13:29	1
Nitrobenzene-d5 (Surr)	83		36 - 120	11/20/23 07:57	11/21/23 13:29	1
Terphenyl-d14 (Surr)	94		40 - 145	11/20/23 07:57	11/21/23 13:29	1

Lab Sample ID: LCS 500-743002/2-A
Matrix: Water
Analysis Batch: 743245

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	32.0	26.7		ug/L		83	46 - 110
Acenaphthylene	32.0	28.2		ug/L		88	47 - 113
Anthracene	32.0	32.2		ug/L		101	67 - 118
Benzo[a]anthracene	32.0	32.7		ug/L		102	70 - 126
Benzo[a]pyrene	32.0	39.9		ug/L		125	70 - 135
Benzo[b]fluoranthene	32.0	37.9		ug/L		118	69 - 136
Benzo[g,h,i]perylene	32.0	35.6		ug/L		111	70 - 135
Benzo[k]fluoranthene	32.0	33.5		ug/L		105	70 - 133
Chrysene	32.0	33.7		ug/L		105	68 - 129
Dibenz(a,h)anthracene	32.0	35.3		ug/L		110	70 - 134
Fluoranthene	32.0	34.6		ug/L		108	68 - 126
Fluorene	32.0	28.9		ug/L		90	53 - 120
Indeno[1,2,3-cd]pyrene	32.0	37.7		ug/L		118	65 - 133
1-Methylnaphthalene	32.0	24.1		ug/L		75	38 - 110
2-Methylnaphthalene	32.0	23.5		ug/L		73	34 - 110
Naphthalene	32.0	23.2		ug/L		73	36 - 110
Phenanthrene	32.0	31.4		ug/L		98	65 - 120
Pyrene	32.0	32.0		ug/L		100	70 - 126

Eurofins Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

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

Lab Sample ID: LCS 500-743002/2-A
Matrix: Water
Analysis Batch: 743245

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743002

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	88		34 - 110
Nitrobenzene-d5 (Surr)	96		36 - 120
Terphenyl-d14 (Surr)	103		40 - 145

Lab Sample ID: LCSD 500-743002/3-A
Matrix: Water
Analysis Batch: 743245

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 743002

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Acenaphthene	32.0	25.3		ug/L		79	46 - 110	5	20	
Acenaphthylene	32.0	26.6		ug/L		83	47 - 113	6	20	
Anthracene	32.0	31.6		ug/L		99	67 - 118	2	20	
Benzo[a]anthracene	32.0	31.9		ug/L		100	70 - 126	3	20	
Benzo[a]pyrene	32.0	36.4		ug/L		114	70 - 135	9	20	
Benzo[b]fluoranthene	32.0	34.9		ug/L		109	69 - 136	8	20	
Benzo[g,h,i]perylene	32.0	32.5		ug/L		102	70 - 135	9	20	
Benzo[k]fluoranthene	32.0	31.0		ug/L		97	70 - 133	8	20	
Chrysene	32.0	31.7		ug/L		99	68 - 129	6	20	
Dibenz(a,h)anthracene	32.0	33.7		ug/L		105	70 - 134	4	20	
Fluoranthene	32.0	34.1		ug/L		107	68 - 126	1	20	
Fluorene	32.0	27.7		ug/L		86	53 - 120	5	20	
Indeno[1,2,3-cd]pyrene	32.0	34.5		ug/L		108	65 - 133	9	20	
1-Methylnaphthalene	32.0	22.1		ug/L		69	38 - 110	9	20	
2-Methylnaphthalene	32.0	22.2		ug/L		69	34 - 110	6	20	
Naphthalene	32.0	21.6		ug/L		67	36 - 110	7	20	
Phenanthrene	32.0	30.0		ug/L		94	65 - 120	5	20	
Pyrene	32.0	29.8		ug/L		93	70 - 126	7	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	83		34 - 110
Nitrobenzene-d5 (Surr)	88		36 - 120
Terphenyl-d14 (Surr)	99		40 - 145

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-744154/1-A
Matrix: Water
Analysis Batch: 744707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744154

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.067		0.40	0.067	ug/L		11/29/23 07:42	12/01/23 13:55	1
PCB-1221	<0.20		0.40	0.20	ug/L		11/29/23 07:42	12/01/23 13:55	1
PCB-1232	<0.20		0.40	0.20	ug/L		11/29/23 07:42	12/01/23 13:55	1
PCB-1242	<0.20		0.40	0.20	ug/L		11/29/23 07:42	12/01/23 13:55	1
PCB-1248	<0.20		0.40	0.20	ug/L		11/29/23 07:42	12/01/23 13:55	1
PCB-1254	<0.20		0.40	0.20	ug/L		11/29/23 07:42	12/01/23 13:55	1
PCB-1260	<0.070		0.40	0.070	ug/L		11/29/23 07:42	12/01/23 13:55	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 500-744154/1-A
Matrix: Water
Analysis Batch: 744707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744154

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	44		30 - 120	11/29/23 07:42	12/01/23 13:55	1
DCB Decachlorobiphenyl	78		30 - 140	11/29/23 07:42	12/01/23 13:55	1

Lab Sample ID: LCS 500-744154/4-A
Matrix: Water
Analysis Batch: 744707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1260	4.00	3.58		ug/L		89	53 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	61		30 - 120
DCB Decachlorobiphenyl	79		30 - 140

Lab Sample ID: LCSD 500-744154/5-A
Matrix: Water
Analysis Batch: 744707

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 744154

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
PCB-1016	4.00	3.40		ug/L		85	56 - 120	1	20
PCB-1260	4.00	3.69		ug/L		92	53 - 137	3	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	54		30 - 120
DCB Decachlorobiphenyl	72		30 - 140

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 500-743983/2-A
Matrix: Water
Analysis Batch: 745371

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 743983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	500	553		ug/L		111	80 - 120
Cadmium	50.0	50.9		ug/L		102	80 - 120
Chromium	200	199		ug/L		99	80 - 120
Lead	100	107		ug/L		107	80 - 120
Selenium	100	103		ug/L		103	80 - 120
Silver	50.0	50.3		ug/L		101	80 - 120

Lab Sample ID: MB 500-743280/1-C
Matrix: Water
Analysis Batch: 745371

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 743983

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.23		1.0	0.23	ug/L		11/28/23 08:55	12/05/23 20:58	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-743280/1-C
Matrix: Water
Analysis Batch: 745371

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 743983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.790	J	2.5	0.73	ug/L		11/28/23 08:55	12/05/23 20:58	1
Cadmium	<0.17		0.50	0.17	ug/L		11/28/23 08:55	12/05/23 20:58	1
Chromium	<1.1		5.0	1.1	ug/L		11/28/23 08:55	12/05/23 20:58	1
Lead	<0.19		0.50	0.19	ug/L		11/28/23 08:55	12/05/23 20:58	1
Selenium	<0.98		2.5	0.98	ug/L		11/28/23 08:55	12/05/23 20:58	1
Silver	<0.12		0.50	0.12	ug/L		11/28/23 08:55	12/05/23 20:58	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-743314/12-A
Matrix: Water
Analysis Batch: 743577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		11/21/23 11:15	11/22/23 08:20	1

Lab Sample ID: LCS 500-743314/13-A
Matrix: Water
Analysis Batch: 743577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.01	2.19		ug/L		109	80 - 120

Lab Sample ID: MB 500-743280/1-B
Matrix: Water
Analysis Batch: 743577

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 743314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		11/21/23 11:15	11/22/23 09:05	1

Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-1
Date Collected: 11/14/23 14:30
Date Received: 11/16/23 10:10

Lab Sample ID: 500-242645-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 15:31
Total/NA	Prep	3510C			743002	DAK	EET CHI	11/20/23 07:57
Total/NA	Analysis	8270D		1	743245	SS	EET CHI	11/21/23 17:13
Total/NA	Prep	3510C			744154	DAK	EET CHI	11/29/23 07:42
Total/NA	Analysis	8082A		1	744707	JAB	EET CHI	12/01/23 16:20
Dissolved	Filtration	FILTRATION			743280	MJG	EET CHI	11/21/23 08:48
Dissolved	Prep	3005A			743983	BDE	EET CHI	11/28/23 08:55 - 11/28/23 09:25 ¹
Dissolved	Analysis	6020A		1	745371	BJH	EET CHI	12/05/23 21:02
Dissolved	Filtration	FILTRATION			743280	MJG	EET CHI	11/21/23 08:48
Dissolved	Prep	7470A			743314	MJG	EET CHI	11/21/23 11:15 - 11/21/23 13:15 ¹
Dissolved	Analysis	7470A		1	743577	MJG	EET CHI	11/22/23 09:09

Client Sample ID: WB-MW-2R
Date Collected: 11/14/23 14:45
Date Received: 11/16/23 10:10

Lab Sample ID: 500-242645-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 15:56
Total/NA	Prep	3510C			743002	DAK	EET CHI	11/20/23 07:57
Total/NA	Analysis	8270D		1	743245	SS	EET CHI	11/21/23 17:37
Total/NA	Prep	3510C			744154	DAK	EET CHI	11/29/23 07:42
Total/NA	Analysis	8082A		1	744707	JAB	EET CHI	12/01/23 16:33
Dissolved	Filtration	FILTRATION			743280	MJG	EET CHI	11/21/23 08:48
Dissolved	Prep	3005A			743983	BDE	EET CHI	11/28/23 08:55 - 11/28/23 09:25 ¹
Dissolved	Analysis	6020A		1	745371	BJH	EET CHI	12/05/23 21:06
Dissolved	Filtration	FILTRATION			743280	MJG	EET CHI	11/21/23 08:48
Dissolved	Prep	7470A			743314	MJG	EET CHI	11/21/23 11:15 - 11/21/23 13:15 ¹
Dissolved	Analysis	7470A		1	743577	MJG	EET CHI	11/22/23 09:11

Client Sample ID: WB-MW-6
Date Collected: 11/14/23 16:30
Date Received: 11/16/23 10:10

Lab Sample ID: 500-242645-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			743280	MJG	EET CHI	11/21/23 08:48
Dissolved	Prep	3005A			743983	BDE	EET CHI	11/28/23 08:55 - 11/28/23 09:25 ¹
Dissolved	Analysis	6020A		1	745371	BJH	EET CHI	12/05/23 21:09
Dissolved	Filtration	FILTRATION			743280	MJG	EET CHI	11/21/23 08:48
Dissolved	Prep	7470A			743314	MJG	EET CHI	11/21/23 11:15 - 11/21/23 13:15 ¹
Dissolved	Analysis	7470A		1	743577	MJG	EET CHI	11/22/23 09:13

Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

Client Sample ID: WB-MW-5

Lab Sample ID: 500-242645-4

Date Collected: 11/14/23 16:05

Matrix: Water

Date Received: 11/16/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 16:21
Total/NA	Prep	3510C			743002	DAK	EET CHI	11/20/23 07:57
Total/NA	Analysis	8270D		1	743752	SS	EET CHI	11/27/23 14:13
Total/NA	Prep	3510C			744154	DAK	EET CHI	11/29/23 07:42
Total/NA	Analysis	8082A		1	744707	JAB	EET CHI	12/01/23 16:46
Dissolved	Filtration	FILTRATION			743280	MJG	EET CHI	11/21/23 08:48
Dissolved	Prep	3005A			743983	BDE	EET CHI	11/28/23 08:55 - 11/28/23 09:25 ¹
Dissolved	Analysis	6020A		1	745371	BJH	EET CHI	12/05/23 21:13
Dissolved	Filtration	FILTRATION			743280	MJG	EET CHI	11/21/23 08:48
Dissolved	Prep	7470A			743314	MJG	EET CHI	11/21/23 11:15 - 11/21/23 13:15 ¹
Dissolved	Analysis	7470A		1	743577	MJG	EET CHI	11/22/23 09:16

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: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443A

Job ID: 500-242645-1

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

500-242645



Sample Collector(s) Samuel Ramirez	Title Staff Geologist	Telephone # (incl area code) (262) 821 1171	Report To Robert Reineke, Pratap Singh, Samuel Ramirez, Tim Welch
Property Owner West 500-242645 COC	Property Address 3212 W Center Street, 2727 N 32nd Street, & 2758 N 33rd Street, Milwaukee WI	Telephone # (incl area code)	KSingh Project # 40443A
Community Within The Corridor East Block		Laboratory Name Eurofins	Temperature 11/20-7/18

I hereby certify that I received, properly, and disposed of the samples as noted below:

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 11/15/23 1516	Received By (Signature) <i>[Signature]</i>	Temperature 11/16/23 1010
Relinquished By (Signature) <i>[Signature]</i>	Date/Time 11/15/23 1700	Received By (Signature) <i>[Signature]</i>	

If samples were received on ice and there was ice remaining, you may report the temperature as received on ice. If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.

1 Specify groundwater (GW), soil (S) air (A), sludge (SL), surface water (SW), etc		Sample Condition																	
2 Sample description must clearly correlate the sample I D to the sampling location		# / Type of Container																	
Date Collected	Time Collected	Samples		Location/Description (2)	VOC	PAH	PCRA	PCBs											
		Type (1)	Device												MeOH	HCL	H2SO4	Unpres	Other Comment
11/14	1430	GW	Baker	WB-MW-1	X	X	X	X								3		3	
11/14	1445	GW	Baker	WB-MW-2R	X	X	X	X								3		3	
11/14	1630	GW	Baker	WB-MW- 4 6	X	X	X	X								3		3	
11/14	1605	GW	Baker	WB-MW-5	X	X	X	X								3		3	
				WB-MW-3															

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES				DEPARTMENT USE ONLY			
Disposition of unused portion of sample				Split Samples			
Laboratory should (check)				Offered			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dispose	Return	Retain for (days)	Other	Accepted	Accepted By	Signature	

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-242645-1

Login Number: 242645

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	1.1,1.8
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.	False	
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 <math><6\text{mm}</math> (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Mr. Robert Reineke
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Generated 1/15/2024 10:23:30 AM

JOB DESCRIPTION

Community Within the Corridor West Block - 40433A

JOB NUMBER

500-244463-1

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.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
1/15/2024 10:23:30 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660



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Case Narrative

Client: K. Singh & Associates, Inc
Project: Community Within the Corridor West Block - 40433A

Job ID: 500-244463-1

Job ID: 500-244463-1

Eurofins Chicago

Job Narrative 500-244463-1

Receipt

The samples were received on 12/29/2023 10:05 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 1.6° C.

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

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

Metals

Method 3005A: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation/analysis: WB-MW-4 (500-244463-1).

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

Organic Prep

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



500-244463 COC

500-244463

Sample Collector(s) Sam Ramirez	Title Staff Scientist	Telephone # (incl. area code) (262) 821-1171	Report To Robert Reineke, Tim Welch & Sam Ramirez
Property Owner CWC - West Block	Property Address 3212 W Center Street, 2727 N 32nd St. & 2758 N 33rd Street, Milwaukee, WI	Telephone # (incl. area code)	KSingh Project # 40433A

I hereby certify that I received, properly, and disposed of the samples as noted below

Relinquished By (Signature) 	Date/Time 12/28 1500	Received By (Signature) E, 12 28 23	Temperature Blank 177.10
Relinquished By (Signature) ER	Date/Time 12 28 23 1700 Eurofins	Received By (Signature) 12/29/23 1005 Stephanie Hernandez EETA	If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice" If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.

1		Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW), etc.												Sample Condition									
2		Sample description must clearly correlate the sample I D. to the sampling location												# / Type of Container									
Date Collected	Time Collected	Samples		Location/Description (2)	VOCs (8260)	PCRA Metals	PAHs	PCBS											MeOH HCL H2SO4 Unpres.				Other Comment
		Type (1)	Device																MeOH	HCL	H2SO4	Unpres.	
12/28	1300	GW	Bailer	WB-MW-4	x	x	x														2	Lab Filter	
12/27	1445	GW	Bailer	WB-MW-6	x	x	x	x													3	Lab Filter	
				Trip Blank	x																		

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES				DEPARTMENT USE ONLY			
Disposition of unused portion of sample Laboratory should (check) <input type="checkbox"/> Dispose <input type="checkbox"/> Return <input type="checkbox"/> Retain for (days) <input type="checkbox"/> Other				Split Samples Offered <input type="checkbox"/> Y <input type="checkbox"/> N Accepted By Accepted <input type="checkbox"/> Y <input type="checkbox"/> N Signature			



IAN EVANS
EUROFINS
4125 N 124TH STREET
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 53.70 LB
CAD: 0780307/CAFE3755

BILL RECIPIENT



500-244463 Waybi

TO **SAMPLE RECEIPT**
EUROFINS - CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

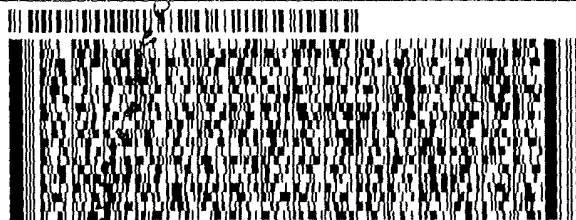
(708) 634-6200

REF:

INU:

DEPT:

PAT # 159466-434 NTW EXP 03/24
595C478E4/AE7D



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FRI - 29 DEC 12:00P
PRIORITY OVERNIGHT

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Detection Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor West Block -
40433A

Job ID: 500-244463-1

Client Sample ID: WB-MW-4

Lab Sample ID: 500-244463-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.47	J	1.0	0.20	ug/L	1		8260D	Total/NA
Arsenic	0.69	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	48	B	2.5	0.73	ug/L	1		6020B	Dissolved
Lead	2.3	J	2.5	0.93	ug/L	1		6020B	Dissolved

Client Sample ID: WB-MW-6

Lab Sample ID: 500-244463-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.82	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	56	B	2.5	0.73	ug/L	1		6020B	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 500-244463-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor West Block -
40433A

Job ID: 500-244463-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	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
7470A	Preparation, Mercury	SW846	EET CHI
FILTRATION	Sample Filtration	None	EET CHI

Protocol References:

None = None

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: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor West Block -
40433A

Job ID: 500-244463-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
500-244463-1	WB-MW-4	Water	12/28/23 13:00	12/29/23 10:05
500-244463-2	WB-MW-6	Water	12/27/23 14:45	12/29/23 10:05
500-244463-3	Trip Blank	Water	12/27/23 00:00	12/29/23 10:05

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: WB-MW-4

Lab Sample ID: 500-244463-1

Date Collected: 12/28/23 13:00

Matrix: Water

Date Received: 12/29/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/02/24 11:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/02/24 11:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/02/24 11:06	1
Bromoform	<0.48		1.0	0.48	ug/L			01/02/24 11:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/02/24 11:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/02/24 11:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/02/24 11:06	1
Chloroethane	<0.51		5.0	0.51	ug/L			01/02/24 11:06	1
Chloroform	<0.37		2.0	0.37	ug/L			01/02/24 11:06	1
Chloromethane	<0.32		5.0	0.32	ug/L			01/02/24 11:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/02/24 11:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/02/24 11:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/02/24 11:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/02/24 11:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/02/24 11:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/02/24 11:06	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/02/24 11:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/02/24 11:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/02/24 11:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/02/24 11:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/02/24 11:06	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			01/02/24 11:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/02/24 11:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/02/24 11:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/02/24 11:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/02/24 11:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/02/24 11:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/02/24 11:06	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			01/02/24 11:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/02/24 11:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/02/24 11:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/02/24 11:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/02/24 11:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/02/24 11:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/02/24 11:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/02/24 11:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/02/24 11:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/02/24 11:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/02/24 11:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/02/24 11:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/02/24 11:06	1
Styrene	<0.39		1.0	0.39	ug/L			01/02/24 11:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/02/24 11:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/02/24 11:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/02/24 11:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/02/24 11:06	1
Toluene	<0.15		0.50	0.15	ug/L			01/02/24 11:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/02/24 11:06	1

Eurofins Chicago

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: WB-MW-4

Lab Sample ID: 500-244463-1

Date Collected: 12/28/23 13:00

Matrix: Water

Date Received: 12/29/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/02/24 11:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/02/24 11:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/02/24 11:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/02/24 11:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/02/24 11:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/02/24 11:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/02/24 11:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/02/24 11:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/02/24 11:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/02/24 11:06	1
Vinyl chloride	0.47	J	1.0	0.20	ug/L			01/02/24 11:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/02/24 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		72 - 124		01/02/24 11:06	1
Dibromofluoromethane (Surr)	96		75 - 120		01/02/24 11:06	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		01/02/24 11:06	1
Toluene-d8 (Surr)	92		75 - 120		01/02/24 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.31		1.0	0.31	ug/L		01/02/24 10:46	01/03/24 15:36	1
Acenaphthylene	<0.27		1.0	0.27	ug/L		01/02/24 10:46	01/03/24 15:36	1
Anthracene	<0.33		1.0	0.33	ug/L		01/02/24 10:46	01/03/24 15:36	1
Benzo[a]anthracene	<0.057		0.20	0.057	ug/L		01/02/24 10:46	01/03/24 15:36	1
Benzo[a]pyrene	<0.099		0.20	0.099	ug/L		01/02/24 10:46	01/03/24 15:36	1
Benzo[b]fluoranthene	<0.081		0.20	0.081	ug/L		01/02/24 10:46	01/03/24 15:36	1
Benzo[g,h,i]perylene	<0.38		1.0	0.38	ug/L		01/02/24 10:46	01/03/24 15:36	1
Benzo[k]fluoranthene	<0.064		0.20	0.064	ug/L		01/02/24 10:46	01/03/24 15:36	1
Chrysene	<0.068		0.20	0.068	ug/L		01/02/24 10:46	01/03/24 15:36	1
Dibenz(a,h)anthracene	<0.051		0.30	0.051	ug/L		01/02/24 10:46	01/03/24 15:36	1
Fluoranthene	<0.46		1.0	0.46	ug/L		01/02/24 10:46	01/03/24 15:36	1
Fluorene	<0.24		1.0	0.24	ug/L		01/02/24 10:46	01/03/24 15:36	1
Indeno[1,2,3-cd]pyrene	<0.075		0.20	0.075	ug/L		01/02/24 10:46	01/03/24 15:36	1
1-Methylnaphthalene	<0.30		2.0	0.30	ug/L		01/02/24 10:46	01/03/24 15:36	1
2-Methylnaphthalene	<0.065		2.0	0.065	ug/L		01/02/24 10:46	01/03/24 15:36	1
Naphthalene	<0.31		1.0	0.31	ug/L		01/02/24 10:46	01/03/24 15:36	1
Phenanthrene	<0.30		1.0	0.30	ug/L		01/02/24 10:46	01/03/24 15:36	1
Pyrene	<0.43		1.0	0.43	ug/L		01/02/24 10:46	01/03/24 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		34 - 110	01/02/24 10:46	01/03/24 15:36	1
Nitrobenzene-d5 (Surr)	92		36 - 120	01/02/24 10:46	01/03/24 15:36	1
Terphenyl-d14 (Surr)	96		40 - 145	01/02/24 10:46	01/03/24 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.69	J	1.0	0.23	ug/L		01/05/24 09:03	01/08/24 21:41	1
Barium	48	B	2.5	0.73	ug/L		01/05/24 09:03	01/05/24 22:38	1

Eurofins Chicago

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: WB-MW-4

Lab Sample ID: 500-244463-1

Date Collected: 12/28/23 13:00

Matrix: Water

Date Received: 12/29/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.17		0.50	0.17	ug/L		01/05/24 09:03	01/05/24 22:38	1
Chromium	<1.1		5.0	1.1	ug/L		01/05/24 09:03	01/05/24 22:38	1
Lead	2.3	J	2.5	0.93	ug/L		01/10/24 19:03	01/11/24 13:37	1
Selenium	<0.98		2.5	0.98	ug/L		01/05/24 09:03	01/05/24 22:38	1
Silver	<0.12		0.50	0.12	ug/L		01/05/24 09:03	01/05/24 22:38	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		01/05/24 10:30	01/08/24 08:48	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: WB-MW-6

Lab Sample ID: 500-244463-2

Date Collected: 12/27/23 14:45

Matrix: Water

Date Received: 12/29/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/02/24 11:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/02/24 11:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/02/24 11:31	1
Bromoform	<0.48		1.0	0.48	ug/L			01/02/24 11:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/02/24 11:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/02/24 11:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/02/24 11:31	1
Chloroethane	<0.51		5.0	0.51	ug/L			01/02/24 11:31	1
Chloroform	<0.37		2.0	0.37	ug/L			01/02/24 11:31	1
Chloromethane	<0.32		5.0	0.32	ug/L			01/02/24 11:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/02/24 11:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/02/24 11:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/02/24 11:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/02/24 11:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/02/24 11:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/02/24 11:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/02/24 11:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/02/24 11:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/02/24 11:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/02/24 11:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/02/24 11:31	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			01/02/24 11:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/02/24 11:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/02/24 11:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/02/24 11:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/02/24 11:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/02/24 11:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/02/24 11:31	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			01/02/24 11:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/02/24 11:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/02/24 11:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/02/24 11:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/02/24 11:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/02/24 11:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/02/24 11:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/02/24 11:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/02/24 11:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/02/24 11:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/02/24 11:31	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/02/24 11:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/02/24 11:31	1
Styrene	<0.39		1.0	0.39	ug/L			01/02/24 11:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/02/24 11:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/02/24 11:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/02/24 11:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/02/24 11:31	1
Toluene	<0.15		0.50	0.15	ug/L			01/02/24 11:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/02/24 11:31	1

Euofins Chicago

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: WB-MW-6

Lab Sample ID: 500-244463-2

Date Collected: 12/27/23 14:45

Matrix: Water

Date Received: 12/29/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/02/24 11:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/02/24 11:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/02/24 11:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/02/24 11:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/02/24 11:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/02/24 11:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/02/24 11:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/02/24 11:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/02/24 11:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/02/24 11:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/02/24 11:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/02/24 11:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		72 - 124		01/02/24 11:31	1
Dibromofluoromethane (Surr)	96		75 - 120		01/02/24 11:31	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		01/02/24 11:31	1
Toluene-d8 (Surr)	91		75 - 120		01/02/24 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.81	0.25	ug/L		01/02/24 10:46	01/03/24 16:01	1
Acenaphthylene	<0.22		0.81	0.22	ug/L		01/02/24 10:46	01/03/24 16:01	1
Anthracene	<0.27		0.81	0.27	ug/L		01/02/24 10:46	01/03/24 16:01	1
Benzo[a]anthracene	<0.046		0.16	0.046	ug/L		01/02/24 10:46	01/03/24 16:01	1
Benzo[a]pyrene	<0.080		0.16	0.080	ug/L		01/02/24 10:46	01/03/24 16:01	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		01/02/24 10:46	01/03/24 16:01	1
Benzo[g,h,i]perylene	<0.30		0.81	0.30	ug/L		01/02/24 10:46	01/03/24 16:01	1
Benzo[k]fluoranthene	<0.052		0.16	0.052	ug/L		01/02/24 10:46	01/03/24 16:01	1
Chrysene	<0.055		0.16	0.055	ug/L		01/02/24 10:46	01/03/24 16:01	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		01/02/24 10:46	01/03/24 16:01	1
Fluoranthene	<0.37		0.81	0.37	ug/L		01/02/24 10:46	01/03/24 16:01	1
Fluorene	<0.20		0.81	0.20	ug/L		01/02/24 10:46	01/03/24 16:01	1
Indeno[1,2,3-cd]pyrene	<0.061		0.16	0.061	ug/L		01/02/24 10:46	01/03/24 16:01	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		01/02/24 10:46	01/03/24 16:01	1
2-Methylnaphthalene	<0.053		1.6	0.053	ug/L		01/02/24 10:46	01/03/24 16:01	1
Naphthalene	<0.25		0.81	0.25	ug/L		01/02/24 10:46	01/03/24 16:01	1
Phenanthrene	<0.24		0.81	0.24	ug/L		01/02/24 10:46	01/03/24 16:01	1
Pyrene	<0.35		0.81	0.35	ug/L		01/02/24 10:46	01/03/24 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		34 - 110	01/02/24 10:46	01/03/24 16:01	1
Nitrobenzene-d5 (Surr)	84		36 - 120	01/02/24 10:46	01/03/24 16:01	1
Terphenyl-d14 (Surr)	68		40 - 145	01/02/24 10:46	01/03/24 16:01	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.086		0.51	0.086	ug/L		01/03/24 07:28	01/03/24 14:29	1
PCB-1221	<0.26		0.51	0.26	ug/L		01/03/24 07:28	01/03/24 14:29	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: WB-MW-6

Lab Sample ID: 500-244463-2

Date Collected: 12/27/23 14:45

Matrix: Water

Date Received: 12/29/23 10:05

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.26		0.51	0.26	ug/L		01/03/24 07:28	01/03/24 14:29	1
PCB-1242	<0.26		0.51	0.26	ug/L		01/03/24 07:28	01/03/24 14:29	1
PCB-1248	<0.26		0.51	0.26	ug/L		01/03/24 07:28	01/03/24 14:29	1
PCB-1254	<0.26		0.51	0.26	ug/L		01/03/24 07:28	01/03/24 14:29	1
PCB-1260	<0.090		0.51	0.090	ug/L		01/03/24 07:28	01/03/24 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		30 - 120	01/03/24 07:28	01/03/24 14:29	1
DCB Decachlorobiphenyl	44		30 - 140	01/03/24 07:28	01/03/24 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.82	J	1.0	0.23	ug/L		01/05/24 09:03	01/08/24 21:45	1
Barium	56	B	2.5	0.73	ug/L		01/05/24 09:03	01/05/24 22:42	1
Cadmium	<0.17		0.50	0.17	ug/L		01/05/24 09:03	01/05/24 22:42	1
Chromium	<1.1		5.0	1.1	ug/L		01/05/24 09:03	01/05/24 22:42	1
Lead	<0.19		0.50	0.19	ug/L		01/05/24 09:03	01/05/24 22:42	1
Selenium	<0.98		2.5	0.98	ug/L		01/05/24 09:03	01/05/24 22:42	1
Silver	<0.12		0.50	0.12	ug/L		01/05/24 09:03	01/05/24 22:42	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		01/05/24 10:30	01/08/24 08:50	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-244463-3

Date Collected: 12/27/23 00:00

Matrix: Water

Date Received: 12/29/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/02/24 10:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/02/24 10:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/02/24 10:42	1
Bromoform	<0.48		1.0	0.48	ug/L			01/02/24 10:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/02/24 10:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/02/24 10:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/02/24 10:42	1
Chloroethane	<0.51		5.0	0.51	ug/L			01/02/24 10:42	1
Chloroform	<0.37		2.0	0.37	ug/L			01/02/24 10:42	1
Chloromethane	<0.32		5.0	0.32	ug/L			01/02/24 10:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/02/24 10:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/02/24 10:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/02/24 10:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/02/24 10:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/02/24 10:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/02/24 10:42	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/02/24 10:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/02/24 10:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/02/24 10:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/02/24 10:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/02/24 10:42	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			01/02/24 10:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/02/24 10:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/02/24 10:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/02/24 10:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/02/24 10:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/02/24 10:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/02/24 10:42	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			01/02/24 10:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/02/24 10:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/02/24 10:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/02/24 10:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/02/24 10:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/02/24 10:42	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/02/24 10:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/02/24 10:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/02/24 10:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/02/24 10:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/02/24 10:42	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/02/24 10:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/02/24 10:42	1
Styrene	<0.39		1.0	0.39	ug/L			01/02/24 10:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/02/24 10:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/02/24 10:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/02/24 10:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/02/24 10:42	1
Toluene	<0.15		0.50	0.15	ug/L			01/02/24 10:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/02/24 10:42	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-244463-3

Date Collected: 12/27/23 00:00

Matrix: Water

Date Received: 12/29/23 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/02/24 10:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/02/24 10:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/02/24 10:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/02/24 10:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/02/24 10:42	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/02/24 10:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/02/24 10:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/02/24 10:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/02/24 10:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/02/24 10:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/02/24 10:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/02/24 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		72 - 124		01/02/24 10:42	1
Dibromofluoromethane (Surr)	96		75 - 120		01/02/24 10:42	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		01/02/24 10:42	1
Toluene-d8 (Surr)	89		75 - 120		01/02/24 10:42	1

Definitions/Glossary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor West Block -
40433A

Job ID: 500-244463-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor West Block -
40433A

Job ID: 500-244463-1

GC/MS VOA

Analysis Batch: 748667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Total/NA	Water	8260D	
500-244463-2	WB-MW-6	Total/NA	Water	8260D	
500-244463-3	Trip Blank	Total/NA	Water	8260D	
MB 500-748667/6	Method Blank	Total/NA	Water	8260D	
LCS 500-748667/4	Lab Control Sample	Total/NA	Water	8260D	
500-244463-1 MS	WB-MW-4	Total/NA	Water	8260D	
500-244463-1 MSD	WB-MW-4	Total/NA	Water	8260D	

GC/MS Semi VOA

Analysis Batch: 748689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-748743/1-A	Method Blank	Total/NA	Water	8270E	748743
LCS 500-748743/2-A	Lab Control Sample	Total/NA	Water	8270E	748743
LCSD 500-748743/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	748743

Prep Batch: 748743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Total/NA	Water	3510C	
500-244463-2	WB-MW-6	Total/NA	Water	3510C	
MB 500-748743/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-748743/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-748743/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 748838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Total/NA	Water	8270E	748743
500-244463-2	WB-MW-6	Total/NA	Water	8270E	748743

GC Semi VOA

Prep Batch: 748830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-2	WB-MW-6	Total/NA	Water	3510C	
MB 500-748830/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-748830/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-748830/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 748917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-2	WB-MW-6	Total/NA	Water	8082A	748830
MB 500-748830/1-A	Method Blank	Total/NA	Water	8082A	748830
LCS 500-748830/4-A	Lab Control Sample	Total/NA	Water	8082A	748830
LCSD 500-748830/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	748830

Metals

Filtration Batch: 749083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	FILTRATION	
500-244463-2	WB-MW-6	Dissolved	Water	FILTRATION	

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QC Association Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor West Block -
40433A

Job ID: 500-244463-1

Metals (Continued)

Filtration Batch: 749083 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-749083/1-E	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 749241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	3005A	749083
500-244463-2	WB-MW-6	Dissolved	Water	3005A	749083
MB 500-749241/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-749241/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 749268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	7470A	749083
500-244463-2	WB-MW-6	Dissolved	Water	7470A	749083
MB 500-749083/1-E	Method Blank	Dissolved	Water	7470A	749083
MB 500-749268/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-749268/29-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 749452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	6020B	749241
500-244463-2	WB-MW-6	Dissolved	Water	6020B	749241
MB 500-749241/1-A	Method Blank	Total Recoverable	Water	6020B	749241
LCS 500-749241/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749241

Analysis Batch: 749488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	7470A	749268
500-244463-2	WB-MW-6	Dissolved	Water	7470A	749268
MB 500-749083/1-E	Method Blank	Dissolved	Water	7470A	749268
MB 500-749268/12-A	Method Blank	Total/NA	Water	7470A	749268
LCS 500-749268/29-A	Lab Control Sample	Total/NA	Water	7470A	749268

Analysis Batch: 749594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	6020B	749241
500-244463-2	WB-MW-6	Dissolved	Water	6020B	749241
MB 500-749241/1-A	Method Blank	Total Recoverable	Water	6020B	749241
LCS 500-749241/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749241

Filtration Batch: 749780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	FILTRATION	

Prep Batch: 749819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	3005A	749780

Analysis Batch: 749982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-244463-1	WB-MW-4	Dissolved	Water	6020B	749819

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Surrogate Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-244463-1	WB-MW-4	97	96	101	92
500-244463-1 MS	WB-MW-4	99	98	102	90
500-244463-1 MSD	WB-MW-4	101	99	101	91
500-244463-2	WB-MW-6	98	96	100	91
500-244463-3	Trip Blank	97	96	102	89
LCS 500-748667/4	Lab Control Sample	95	97	98	91
MB 500-748667/6	Method Blank	95	97	105	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (34-110)	NBZ (36-120)	TPHL (40-145)
500-244463-1	WB-MW-4	72	92	96
500-244463-2	WB-MW-6	72	84	68
LCS 500-748743/2-A	Lab Control Sample	71	72	94
LCSD 500-748743/3-A	Lab Control Sample Dup	73	78	99
MB 500-748743/1-A	Method Blank	74	75	103

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (30-120)	DCBP1 (30-140)
500-244463-2	WB-MW-6	79	44
LCS 500-748830/4-A	Lab Control Sample	81	88
LCSD 500-748830/5-A	Lab Control Sample Dup	69	78
MB 500-748830/1-A	Method Blank	33	38

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Lab Sample ID: MB 500-748667/6
Matrix: Water
Analysis Batch: 748667

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			01/02/24 09:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/02/24 09:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/02/24 09:54	1
Bromoform	<0.48		1.0	0.48	ug/L			01/02/24 09:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/02/24 09:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/02/24 09:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/02/24 09:54	1
Chloroethane	<0.51		5.0	0.51	ug/L			01/02/24 09:54	1
Chloroform	<0.37		2.0	0.37	ug/L			01/02/24 09:54	1
Chloromethane	<0.32		5.0	0.32	ug/L			01/02/24 09:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/02/24 09:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/02/24 09:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/02/24 09:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/02/24 09:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/02/24 09:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/02/24 09:54	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/02/24 09:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/02/24 09:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/02/24 09:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/02/24 09:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/02/24 09:54	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			01/02/24 09:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/02/24 09:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/02/24 09:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/02/24 09:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/02/24 09:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/02/24 09:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/02/24 09:54	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			01/02/24 09:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/02/24 09:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/02/24 09:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/02/24 09:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/02/24 09:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/02/24 09:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/02/24 09:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/02/24 09:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/02/24 09:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/02/24 09:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/02/24 09:54	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/02/24 09:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/02/24 09:54	1
Styrene	<0.39		1.0	0.39	ug/L			01/02/24 09:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/02/24 09:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/02/24 09:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/02/24 09:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/02/24 09:54	1
Toluene	<0.15		0.50	0.15	ug/L			01/02/24 09:54	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Lab Sample ID: MB 500-748667/6
Matrix: Water
Analysis Batch: 748667

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/02/24 09:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/02/24 09:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/02/24 09:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/02/24 09:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/02/24 09:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/02/24 09:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/02/24 09:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/02/24 09:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/02/24 09:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/02/24 09:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/02/24 09:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/02/24 09:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/02/24 09:54	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	95		72 - 124		01/02/24 09:54	1
Dibromofluoromethane (Surr)	97		75 - 120		01/02/24 09:54	1
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		01/02/24 09:54	1
Toluene-d8 (Surr)	91		75 - 120		01/02/24 09:54	1

Lab Sample ID: LCS 500-748667/4
Matrix: Water
Analysis Batch: 748667

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	47.6		ug/L		95	70 - 122
Bromochloromethane	50.0	48.7		ug/L		97	65 - 122
Bromoform	50.0	41.2		ug/L		82	56 - 132
Bromomethane	50.0	37.6		ug/L		75	40 - 152
Carbon tetrachloride	50.0	50.5		ug/L		101	59 - 133
Chlorobenzene	50.0	46.5		ug/L		93	70 - 120
Chloroethane	50.0	49.3		ug/L		99	48 - 136
Chloroform	50.0	44.9		ug/L		90	70 - 120
Chloromethane	50.0	62.7		ug/L		125	56 - 152
2-Chlorotoluene	50.0	44.8		ug/L		90	70 - 125
4-Chlorotoluene	50.0	44.3		ug/L		89	68 - 124
cis-1,2-Dichloroethene	50.0	46.0		ug/L		92	70 - 125
cis-1,3-Dichloropropene	50.0	43.6		ug/L		87	64 - 127
Dibromochloromethane	50.0	43.4		ug/L		87	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	31.3		ug/L		63	56 - 123
1,2-Dibromoethane (EDB)	50.0	44.3		ug/L		89	70 - 125
Dibromomethane	50.0	44.5		ug/L		89	70 - 120
1,2-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 125
1,3-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 125
1,4-Dichlorobenzene	50.0	45.2		ug/L		90	70 - 120
Dichlorobromomethane	50.0	44.3		ug/L		89	69 - 120

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Lab Sample ID: LCS 500-748667/4

Matrix: Water

Analysis Batch: 748667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	50.0	55.4		ug/L		111	40 - 159
1,1-Dichloroethane	50.0	52.4		ug/L		105	70 - 125
1,2-Dichloroethane	50.0	50.9		ug/L		102	68 - 127
1,1-Dichloroethene	50.0	46.4		ug/L		93	67 - 122
1,2-Dichloropropane	50.0	55.4		ug/L		111	67 - 130
1,3-Dichloropropane	50.0	44.2		ug/L		88	62 - 136
2,2-Dichloropropane	50.0	44.3		ug/L		89	58 - 139
1,1-Dichloropropene	50.0	48.2		ug/L		96	70 - 121
Ethylbenzene	50.0	44.5		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	52.7		ug/L		105	51 - 150
Isopropylbenzene	50.0	46.4		ug/L		93	70 - 126
Methylene Chloride	50.0	42.6		ug/L		85	69 - 125
Methyl tert-butyl ether	50.0	47.2		ug/L		94	55 - 123
Naphthalene	50.0	34.6		ug/L		69	53 - 144
n-Butylbenzene	50.0	42.5		ug/L		85	68 - 125
N-Propylbenzene	50.0	43.8		ug/L		88	69 - 127
p-Isopropyltoluene	50.0	47.2		ug/L		94	70 - 125
sec-Butylbenzene	50.0	45.8		ug/L		92	70 - 123
Styrene	50.0	44.6		ug/L		89	70 - 120
tert-Butylbenzene	50.0	47.8		ug/L		96	70 - 121
1,1,1,2-Tetrachloroethane	50.0	44.8		ug/L		90	70 - 125
1,1,2,2-Tetrachloroethane	50.0	37.1		ug/L		74	62 - 140
Tetrachloroethene	50.0	52.7		ug/L		105	70 - 128
Toluene	50.0	42.1		ug/L		84	70 - 125
trans-1,2-Dichloroethene	50.0	45.2		ug/L		90	70 - 125
trans-1,3-Dichloropropene	50.0	41.5		ug/L		83	62 - 128
1,2,3-Trichlorobenzene	50.0	40.0		ug/L		80	51 - 145
1,2,4-Trichlorobenzene	50.0	42.9		ug/L		86	57 - 137
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	70 - 125
1,1,2-Trichloroethane	50.0	41.4		ug/L		83	71 - 130
Trichloroethene	50.0	51.3		ug/L		103	70 - 125
Trichlorofluoromethane	50.0	49.3		ug/L		99	55 - 128
1,2,3-Trichloropropane	50.0	42.4		ug/L		85	50 - 133
1,2,4-Trimethylbenzene	50.0	45.7		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	46.7		ug/L		93	70 - 123
Vinyl chloride	50.0	51.4		ug/L		103	64 - 126
Xylenes, Total	100	88.8		ug/L		89	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	98		75 - 126
Toluene-d8 (Surr)	91		75 - 120

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Lab Sample ID: 500-244463-1 MS

Matrix: Water

Analysis Batch: 748667

Client Sample ID: WB-MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.15		50.0	48.5		ug/L		97	70 - 120
Bromobenzene	<0.36		50.0	52.1		ug/L		104	70 - 122
Bromochloromethane	<0.43		50.0	51.2		ug/L		102	65 - 122
Bromoform	<0.48		50.0	42.1		ug/L		84	56 - 132
Bromomethane	<0.80		50.0	49.8		ug/L		100	40 - 152
Carbon tetrachloride	<0.38		50.0	52.5		ug/L		105	59 - 133
Chlorobenzene	<0.39		50.0	48.2		ug/L		96	70 - 120
Chloroethane	<0.51		50.0	53.9		ug/L		108	48 - 136
Chloroform	<0.37		50.0	48.3		ug/L		97	70 - 120
Chloromethane	<0.32		50.0	66.0		ug/L		132	56 - 152
2-Chlorotoluene	<0.31		50.0	47.2		ug/L		94	70 - 125
4-Chlorotoluene	<0.35		50.0	47.0		ug/L		94	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	48.7		ug/L		97	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	44.0		ug/L		88	64 - 127
Dibromochloromethane	<0.49		50.0	45.2		ug/L		90	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	34.6		ug/L		69	56 - 123
1,2-Dibromoethane (EDB)	<0.39		50.0	46.7		ug/L		93	70 - 125
Dibromomethane	<0.27		50.0	46.8		ug/L		94	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	47.8		ug/L		96	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	48.8		ug/L		98	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	47.8		ug/L		96	70 - 120
Dichlorobromomethane	<0.37		50.0	47.3		ug/L		95	69 - 120
Dichlorodifluoromethane	<0.67		50.0	56.7		ug/L		113	40 - 159
1,1-Dichloroethane	<0.41		50.0	55.8		ug/L		112	70 - 125
1,2-Dichloroethane	<0.39		50.0	54.5		ug/L		109	68 - 127
1,1-Dichloroethene	<0.39		50.0	47.9		ug/L		96	67 - 122
1,2-Dichloropropane	<0.43		50.0	58.5		ug/L		117	67 - 130
1,3-Dichloropropane	<0.36		50.0	47.4		ug/L		95	62 - 136
2,2-Dichloropropane	<0.44		50.0	45.1		ug/L		90	58 - 139
1,1-Dichloropropene	<0.30		50.0	50.0		ug/L		100	70 - 121
Ethylbenzene	<0.18		50.0	46.4		ug/L		93	70 - 123
Hexachlorobutadiene	<0.45		50.0	50.1		ug/L		100	51 - 150
Isopropylbenzene	<0.39		50.0	48.6		ug/L		97	70 - 126
Methylene Chloride	<1.6		50.0	45.9		ug/L		92	69 - 125
Methyl tert-butyl ether	<0.39		50.0	50.4		ug/L		101	55 - 123
Naphthalene	<0.34		50.0	36.0		ug/L		72	53 - 144
n-Butylbenzene	<0.39		50.0	41.6		ug/L		83	68 - 125
N-Propylbenzene	<0.41		50.0	46.4		ug/L		93	69 - 127
p-Isopropyltoluene	<0.36		50.0	47.7		ug/L		95	70 - 125
sec-Butylbenzene	<0.40		50.0	46.9		ug/L		94	70 - 123
Styrene	<0.39		50.0	46.0		ug/L		92	70 - 120
tert-Butylbenzene	<0.40		50.0	50.0		ug/L		100	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	46.9		ug/L		94	70 - 125
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	41.2		ug/L		82	62 - 140
Tetrachloroethene	<0.37		50.0	52.4		ug/L		105	70 - 128
Toluene	<0.15		50.0	43.4		ug/L		87	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	48.1		ug/L		96	70 - 125

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Lab Sample ID: 500-244463-1 MS

Matrix: Water

Analysis Batch: 748667

Client Sample ID: WB-MW-4

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
trans-1,3-Dichloropropene	<0.36		50.0	42.8		ug/L		86	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	37.6		ug/L		75	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	39.8		ug/L		80	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	51.4		ug/L		103	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	44.6		ug/L		89	71 - 130
Trichloroethene	<0.16		50.0	53.1		ug/L		106	70 - 125
Trichlorofluoromethane	<0.43		50.0	52.0		ug/L		104	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	45.9		ug/L		92	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	47.1		ug/L		94	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	48.1		ug/L		96	70 - 123
Vinyl chloride	0.47	J	50.0	55.0		ug/L		109	64 - 126
Xylenes, Total	<0.22		100	91.5		ug/L		92	70 - 125

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
1,2-Dichloroethane-d4 (Surr)	102		75 - 126
Toluene-d8 (Surr)	90		75 - 120

Lab Sample ID: 500-244463-1 MSD

Matrix: Water

Analysis Batch: 748667

Client Sample ID: WB-MW-4

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzene	<0.15		50.0	49.4		ug/L		99	70 - 120	2	20	
Bromobenzene	<0.36		50.0	54.7		ug/L		109	70 - 122	5	20	
Bromochloromethane	<0.43		50.0	51.1		ug/L		102	65 - 122	0	20	
Bromoform	<0.48		50.0	43.2		ug/L		86	56 - 132	3	20	
Bromomethane	<0.80		50.0	48.7		ug/L		97	40 - 152	2	20	
Carbon tetrachloride	<0.38		50.0	53.3		ug/L		107	59 - 133	2	20	
Chlorobenzene	<0.39		50.0	49.2		ug/L		98	70 - 120	2	20	
Chloroethane	<0.51		50.0	53.3		ug/L		107	48 - 136	1	20	
Chloroform	<0.37		50.0	48.8		ug/L		98	70 - 120	1	20	
Chloromethane	<0.32		50.0	64.1		ug/L		128	56 - 152	3	20	
2-Chlorotoluene	<0.31		50.0	50.3		ug/L		101	70 - 125	6	20	
4-Chlorotoluene	<0.35		50.0	49.1		ug/L		98	68 - 124	4	20	
cis-1,2-Dichloroethene	<0.41		50.0	49.9		ug/L		100	70 - 125	3	20	
cis-1,3-Dichloropropene	<0.42		50.0	45.0		ug/L		90	64 - 127	2	20	
Dibromochloromethane	<0.49		50.0	46.5		ug/L		93	68 - 125	3	20	
1,2-Dibromo-3-Chloropropane	<2.0		50.0	39.5		ug/L		79	56 - 123	13	20	
1,2-Dibromoethane (EDB)	<0.39		50.0	46.5		ug/L		93	70 - 125	0	20	
Dibromomethane	<0.27		50.0	48.7		ug/L		97	70 - 120	4	20	
1,2-Dichlorobenzene	<0.33		50.0	49.1		ug/L		98	70 - 125	3	20	
1,3-Dichlorobenzene	<0.40		50.0	49.4		ug/L		99	70 - 125	1	20	
1,4-Dichlorobenzene	<0.36		50.0	49.1		ug/L		98	70 - 120	3	20	
Dichlorobromomethane	<0.37		50.0	48.2		ug/L		96	69 - 120	2	20	
Dichlorodifluoromethane	<0.67		50.0	55.3		ug/L		111	40 - 159	3	20	

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Lab Sample ID: 500-244463-1 MSD

Matrix: Water

Analysis Batch: 748667

Client Sample ID: WB-MW-4

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-Dichloroethane	<0.41		50.0	57.7		ug/L		115	70 - 125	3	20
1,2-Dichloroethane	<0.39		50.0	56.2		ug/L		112	68 - 127	3	20
1,1-Dichloroethene	<0.39		50.0	49.2		ug/L		98	67 - 122	3	20
1,2-Dichloropropane	<0.43		50.0	60.5		ug/L		121	67 - 130	3	20
1,3-Dichloropropane	<0.36		50.0	47.5		ug/L		95	62 - 136	0	20
2,2-Dichloropropane	<0.44		50.0	45.3		ug/L		91	58 - 139	0	20
1,1-Dichloropropene	<0.30		50.0	51.9		ug/L		104	70 - 121	4	20
Ethylbenzene	<0.18		50.0	46.1		ug/L		92	70 - 123	1	20
Hexachlorobutadiene	<0.45		50.0	52.0		ug/L		104	51 - 150	4	20
Isopropylbenzene	<0.39		50.0	51.9		ug/L		104	70 - 126	7	20
Methylene Chloride	<1.6		50.0	46.9		ug/L		94	69 - 125	2	20
Methyl tert-butyl ether	<0.39		50.0	51.1		ug/L		102	55 - 123	1	20
Naphthalene	<0.34		50.0	37.8		ug/L		76	53 - 144	5	20
n-Butylbenzene	<0.39		50.0	42.6		ug/L		85	68 - 125	3	20
N-Propylbenzene	<0.41		50.0	49.0		ug/L		98	69 - 127	5	20
p-Isopropyltoluene	<0.36		50.0	49.9		ug/L		100	70 - 125	5	20
sec-Butylbenzene	<0.40		50.0	49.2		ug/L		98	70 - 123	5	20
Styrene	<0.39		50.0	46.4		ug/L		93	70 - 120	1	20
tert-Butylbenzene	<0.40		50.0	53.1		ug/L		106	70 - 121	6	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	48.1		ug/L		96	70 - 125	2	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	42.7		ug/L		85	62 - 140	4	20
Tetrachloroethene	<0.37		50.0	53.7		ug/L		107	70 - 128	3	20
Toluene	<0.15		50.0	44.6		ug/L		89	70 - 125	3	20
trans-1,2-Dichloroethene	<0.35		50.0	48.9		ug/L		98	70 - 125	2	20
trans-1,3-Dichloropropene	<0.36		50.0	42.8		ug/L		86	62 - 128	0	20
1,2,3-Trichlorobenzene	<0.46		50.0	38.4		ug/L		77	51 - 145	2	20
1,2,4-Trichlorobenzene	<0.34		50.0	39.3		ug/L		79	57 - 137	1	20
1,1,1-Trichloroethane	<0.38		50.0	51.0		ug/L		102	70 - 125	1	20
1,1,2-Trichloroethane	<0.35		50.0	45.7		ug/L		91	71 - 130	2	20
Trichloroethene	<0.16		50.0	54.8		ug/L		110	70 - 125	3	20
Trichlorofluoromethane	<0.43		50.0	50.8		ug/L		102	55 - 128	2	20
1,2,3-Trichloropropane	<0.41		50.0	50.7		ug/L		101	50 - 133	10	20
1,2,4-Trimethylbenzene	<0.36		50.0	49.4		ug/L		99	70 - 123	5	20
1,3,5-Trimethylbenzene	<0.25		50.0	50.3		ug/L		101	70 - 123	4	20
Vinyl chloride	0.47	J	50.0	53.7		ug/L		106	64 - 126	2	20
Xylenes, Total	<0.22		100	92.6		ug/L		93	70 - 125	1	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	101		75 - 126
Toluene-d8 (Surr)	91		75 - 120

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Lab Sample ID: MB 500-748743/1-A
Matrix: Water
Analysis Batch: 748689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 748743

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.25		0.80	0.25	ug/L		01/02/24 10:46	01/02/24 15:40	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		01/02/24 10:46	01/02/24 15:40	1
Anthracene	<0.27		0.80	0.27	ug/L		01/02/24 10:46	01/02/24 15:40	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		01/02/24 10:46	01/02/24 15:40	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		01/02/24 10:46	01/02/24 15:40	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		01/02/24 10:46	01/02/24 15:40	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		01/02/24 10:46	01/02/24 15:40	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		01/02/24 10:46	01/02/24 15:40	1
Chrysene	<0.055		0.16	0.055	ug/L		01/02/24 10:46	01/02/24 15:40	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		01/02/24 10:46	01/02/24 15:40	1
Fluoranthene	<0.36		0.80	0.36	ug/L		01/02/24 10:46	01/02/24 15:40	1
Fluorene	<0.20		0.80	0.20	ug/L		01/02/24 10:46	01/02/24 15:40	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		01/02/24 10:46	01/02/24 15:40	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		01/02/24 10:46	01/02/24 15:40	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		01/02/24 10:46	01/02/24 15:40	1
Naphthalene	<0.25		0.80	0.25	ug/L		01/02/24 10:46	01/02/24 15:40	1
Phenanthrene	<0.24		0.80	0.24	ug/L		01/02/24 10:46	01/02/24 15:40	1
Pyrene	<0.34		0.80	0.34	ug/L		01/02/24 10:46	01/02/24 15:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	74		34 - 110	01/02/24 10:46	01/02/24 15:40	1
Nitrobenzene-d5 (Surr)	75		36 - 120	01/02/24 10:46	01/02/24 15:40	1
Terphenyl-d14 (Surr)	103		40 - 145	01/02/24 10:46	01/02/24 15:40	1

Lab Sample ID: LCS 500-748743/2-A
Matrix: Water
Analysis Batch: 748689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 748743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	32.0	25.7		ug/L		80	47 - 113
Anthracene	32.0	29.2		ug/L		91	67 - 118
Benzo[a]anthracene	32.0	30.4		ug/L		95	70 - 126
Benzo[a]pyrene	32.0	33.3		ug/L		104	70 - 135
Benzo[b]fluoranthene	32.0	33.5		ug/L		105	69 - 136
Benzo[g,h,i]perylene	32.0	32.0		ug/L		100	70 - 135
Benzo[k]fluoranthene	32.0	32.3		ug/L		101	70 - 133
Chrysene	32.0	33.3		ug/L		104	68 - 129
Dibenz(a,h)anthracene	32.0	34.4		ug/L		108	70 - 134
Fluoranthene	32.0	30.7		ug/L		96	68 - 126
Fluorene	32.0	26.7		ug/L		83	53 - 120
Indeno[1,2,3-cd]pyrene	32.0	34.3		ug/L		107	65 - 133
1-Methylnaphthalene	32.0	23.5		ug/L		74	38 - 110
2-Methylnaphthalene	32.0	22.8		ug/L		71	34 - 110
Naphthalene	32.0	22.6		ug/L		71	36 - 110
Phenanthrene	32.0	28.8		ug/L		90	65 - 120
Pyrene	32.0	34.0		ug/L		106	70 - 126

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

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

Lab Sample ID: LCS 500-748743/2-A
Matrix: Water
Analysis Batch: 748689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 748743

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	71		34 - 110
Nitrobenzene-d5 (Surr)	72		36 - 120
Terphenyl-d14 (Surr)	94		40 - 145

Lab Sample ID: LCSD 500-748743/3-A
Matrix: Water
Analysis Batch: 748689

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 748743

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	32.0	27.7		ug/L		86	46 - 110	11	20
Acenaphthylene	32.0	27.9		ug/L		87	47 - 113	8	20
Anthracene	32.0	31.3		ug/L		98	67 - 118	7	20
Benzo[a]anthracene	32.0	32.6		ug/L		102	70 - 126	7	20
Benzo[a]pyrene	32.0	35.2		ug/L		110	70 - 135	6	20
Benzo[b]fluoranthene	32.0	36.0		ug/L		112	69 - 136	7	20
Benzo[g,h,i]perylene	32.0	34.4		ug/L		108	70 - 135	7	20
Benzo[k]fluoranthene	32.0	34.4		ug/L		108	70 - 133	7	20
Chrysene	32.0	35.0		ug/L		109	68 - 129	5	20
Dibenz(a,h)anthracene	32.0	37.2		ug/L		116	70 - 134	8	20
Fluoranthene	32.0	33.5		ug/L		105	68 - 126	9	20
Fluorene	32.0	28.4		ug/L		89	53 - 120	6	20
Indeno[1,2,3-cd]pyrene	32.0	36.8		ug/L		115	65 - 133	7	20
1-Methylnaphthalene	32.0	26.2		ug/L		82	38 - 110	11	20
2-Methylnaphthalene	32.0	25.6		ug/L		80	34 - 110	12	20
Naphthalene	32.0	25.1		ug/L		78	36 - 110	10	20
Phenanthrene	32.0	31.0		ug/L		97	65 - 120	7	20
Pyrene	32.0	36.5		ug/L		114	70 - 126	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	73		34 - 110
Nitrobenzene-d5 (Surr)	78		36 - 120
Terphenyl-d14 (Surr)	99		40 - 145

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-748830/1-A
Matrix: Water
Analysis Batch: 748917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 748830

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.40	0.067	ug/L		01/03/24 07:28	01/03/24 14:03	1
PCB-1221	<0.20		0.40	0.20	ug/L		01/03/24 07:28	01/03/24 14:03	1
PCB-1232	<0.20		0.40	0.20	ug/L		01/03/24 07:28	01/03/24 14:03	1
PCB-1242	<0.20		0.40	0.20	ug/L		01/03/24 07:28	01/03/24 14:03	1
PCB-1248	<0.20		0.40	0.20	ug/L		01/03/24 07:28	01/03/24 14:03	1
PCB-1254	<0.20		0.40	0.20	ug/L		01/03/24 07:28	01/03/24 14:03	1
PCB-1260	<0.070		0.40	0.070	ug/L		01/03/24 07:28	01/03/24 14:03	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 500-748830/1-A
Matrix: Water
Analysis Batch: 748917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 748830

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	33		30 - 120	01/03/24 07:28	01/03/24 14:03	1
DCB Decachlorobiphenyl	38		30 - 140	01/03/24 07:28	01/03/24 14:03	1

Lab Sample ID: LCS 500-748830/4-A
Matrix: Water
Analysis Batch: 748917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 748830

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	4.00	4.00		ug/L		100	56 - 120
PCB-1260	4.00	3.65		ug/L		91	53 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	81		30 - 120
DCB Decachlorobiphenyl	88		30 - 140

Lab Sample ID: LCSD 500-748830/5-A
Matrix: Water
Analysis Batch: 748917

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 748830

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	Limits	RPD	
		Result	Qualifier					RPD	Limit
PCB-1016	4.00	3.26		ug/L		81	56 - 120	20	20
PCB-1260	4.00	3.11		ug/L		78	53 - 137	16	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	69		30 - 120
DCB Decachlorobiphenyl	78		30 - 140

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-749241/1-A
Matrix: Water
Analysis Batch: 749452

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749241

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	<0.73		2.5	0.73	ug/L		01/05/24 09:03	01/05/24 20:52	1
Cadmium	<0.17		0.50	0.17	ug/L		01/05/24 09:03	01/05/24 20:52	1
Chromium	<1.1		5.0	1.1	ug/L		01/05/24 09:03	01/05/24 20:52	1
Lead	<0.19		0.50	0.19	ug/L		01/05/24 09:03	01/05/24 20:52	1
Selenium	<0.98		2.5	0.98	ug/L		01/05/24 09:03	01/05/24 20:52	1
Silver	<0.12		0.50	0.12	ug/L		01/05/24 09:03	01/05/24 20:52	1

Lab Sample ID: MB 500-749241/1-A
Matrix: Water
Analysis Batch: 749594

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749241

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.23		1.0	0.23	ug/L		01/05/24 09:03	01/08/24 20:29	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-749241/2-A
Matrix: Water
Analysis Batch: 749452

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	500	482		ug/L		96	80 - 120
Cadmium	50.0	54.5		ug/L		109	80 - 120
Chromium	200	194		ug/L		97	80 - 120
Lead	100	106		ug/L		106	80 - 120
Selenium	100	97.3		ug/L		97	80 - 120
Silver	50.0	55.9		ug/L		112	80 - 120

Lab Sample ID: LCS 500-749241/2-A
Matrix: Water
Analysis Batch: 749594

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	109		ug/L		109	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-749268/12-A
Matrix: Water
Analysis Batch: 749488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 749268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		01/05/24 10:30	01/08/24 08:12	1

Lab Sample ID: LCS 500-749268/29-A
Matrix: Water
Analysis Batch: 749488

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 749268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.01	1.98		ug/L		99	80 - 120

Lab Sample ID: MB 500-749083/1-E
Matrix: Water
Analysis Batch: 749488

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 749268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		01/05/24 10:30	01/08/24 08:39	1

Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor West Block -
 40433A

Job ID: 500-244463-1

Client Sample ID: WB-MW-4

Lab Sample ID: 500-244463-1

Date Collected: 12/28/23 13:00

Matrix: Water

Date Received: 12/29/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	748667	W1T	EET CHI	01/02/24 11:06
Total/NA	Prep	3510C			748743	KL	EET CHI	01/02/24 10:46
Total/NA	Analysis	8270E		1	748838	SS	EET CHI	01/03/24 15:36
Dissolved	Filtration	FILTRATION			749083	BDE	EET CHI	01/04/24 11:10
Dissolved	Prep	3005A			749241	BDE	EET CHI	01/05/24 09:03 - 01/05/24 15:03 ¹
Dissolved	Analysis	6020B		1	749452	RN	EET CHI	01/05/24 22:38
Dissolved	Filtration	FILTRATION			749083	BDE	EET CHI	01/04/24 11:10
Dissolved	Prep	3005A			749241	BDE	EET CHI	01/05/24 09:03 - 01/05/24 15:03 ¹
Dissolved	Analysis	6020B		1	749594	RN	EET CHI	01/08/24 21:41
Dissolved	Filtration	FILTRATION			749780	BDE	EET CHI	01/10/24 13:35
Dissolved	Prep	3005A			749819	MC	EET CHI	01/10/24 19:03 - 01/11/24 00:03 ¹
Dissolved	Analysis	6020B		1	749982	RN	EET CHI	01/11/24 13:37
Dissolved	Filtration	FILTRATION			749083	BDE	EET CHI	01/04/24 11:10
Dissolved	Prep	7470A			749268	MJG	EET CHI	01/05/24 10:30 - 01/05/24 12:30 ¹
Dissolved	Analysis	7470A		1	749488	MJG	EET CHI	01/08/24 08:48

Client Sample ID: WB-MW-6

Lab Sample ID: 500-244463-2

Date Collected: 12/27/23 14:45

Matrix: Water

Date Received: 12/29/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	748667	W1T	EET CHI	01/02/24 11:31
Total/NA	Prep	3510C			748743	KL	EET CHI	01/02/24 10:46
Total/NA	Analysis	8270E		1	748838	SS	EET CHI	01/03/24 16:01
Total/NA	Prep	3510C			748830	KL	EET CHI	01/03/24 07:28
Total/NA	Analysis	8082A		1	748917	SS	EET CHI	01/03/24 14:29
Dissolved	Filtration	FILTRATION			749083	BDE	EET CHI	01/04/24 11:10
Dissolved	Prep	3005A			749241	BDE	EET CHI	01/05/24 09:03 - 01/05/24 15:03 ¹
Dissolved	Analysis	6020B		1	749452	RN	EET CHI	01/05/24 22:42
Dissolved	Filtration	FILTRATION			749083	BDE	EET CHI	01/04/24 11:10
Dissolved	Prep	3005A			749241	BDE	EET CHI	01/05/24 09:03 - 01/05/24 15:03 ¹
Dissolved	Analysis	6020B		1	749594	RN	EET CHI	01/08/24 21:45
Dissolved	Filtration	FILTRATION			749083	BDE	EET CHI	01/04/24 11:10
Dissolved	Prep	7470A			749268	MJG	EET CHI	01/05/24 10:30 - 01/05/24 12:30 ¹
Dissolved	Analysis	7470A		1	749488	MJG	EET CHI	01/08/24 08:50

Client Sample ID: Trip Blank

Lab Sample ID: 500-244463-3

Date Collected: 12/27/23 00:00

Matrix: Water

Date Received: 12/29/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	748667	W1T	EET CHI	01/02/24 10:42

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

Lab Chronicle

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor West Block -
40433A

Job ID: 500-244463-1

Laboratory References:

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

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Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor West Block -
40433A

Job ID: 500-244463-1

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

- 1
- 2
- 3
- 4
- 5
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-244463-1

Login Number: 244463

List Number: 1

Creator: Hernandez, Stephanie

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	1.6
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	

