KSingh | Engineers Scientists Consultants

September 27, 2021

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

Project # 40443

Subject: **Second Groundwater Monitoring Event**
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) is pleased to submit the results of a second round of groundwater results of the above referenced site. A site location map is on Figure 1 and the monitoring well locations are presented on Figure 2.

Groundwater sampling was conducted for four of the five monitoring wells on October 6, 2021 (WB-MW-1 WB-MW-2, WB-MW-4 and WB-MW-5), for Volatile Organic Compounds (VOCs) and Polychlorinated Biphenyls (PCBs). WB-MW-3 was dry. Prior to groundwater sampling, depth to water was measured in each monitoring well using a water level indicator and measuring from top of PVC casing. Groundwater elevation data is summarized in Table 1. Groundwater flow direction appears to be to the southeast which was the same as the first groundwater sampling event.

Groundwater samples were collected in accordance with the WDNR's Groundwater Field Sampling Manual following purging and preserved on ice. The groundwater samples were submitted to Eurofins - Test America, Inc., University Park, Illinois using proper chain-of-custody procedures. Groundwater samples were analyzed for VOCs in accordance with EPA Method 8260B and PCBs in accordance with EPA Method 8082A. Chain of Custody records and laboratory groundwater quality analytical results are included in Attachment A. Groundwater quality test results are summarized in Table 2.

On the October 6,2021 sampling event, NR 140 Enforcement Standards (ES) exceedances (0.20 ug/kg standard) included Vinyl Chloride (VC) in monitoring well WB-MW-4 (0.45 J ug/kg and 0.43 J ug/kg - Duplicate) which is downgradient from the source area in Building 7. The VC concentration had a "J" flagged value. The result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value. The remainder of VOC groundwater results were below the laboratory method detection limits; therefore, the groundwater plume appears to be an isolated location at WB-MW-4 that is delineated. The groundwater results of the East Block (BRRTS #: 02-41-263675) also demonstrate that the groundwater plume is delineated with no detects of chlorinated organic compounds

(CVOCs) within the southern have of the block. The remainder of groundwater results for PCBs were below the laboratory method detection limits.

In summary, based on two groundwater sampling events the CVOCs in the near-surface soils have not impacted the groundwater. WB-MW-4 detected VC at concentrations over the ES which will require additional monitoring. Please contact us if you have any questions.

Sincerely,
K. SINGH & ASSOCIATES, INC.

Daniel K. Pelczar, CPG, P.G.
Senior Geologist

Robert T. Reineke, P.E.
Project Manager

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	Locations of Soil Probes, Monitoring Wells, Sub-Slab Vapor and Sub-Slab Soil Samples
Table 1	Groundwater Elevation Data
Table 2	Groundwater Quality Test Results
Attachment A	Groundwater Analytical Results

FIGURES

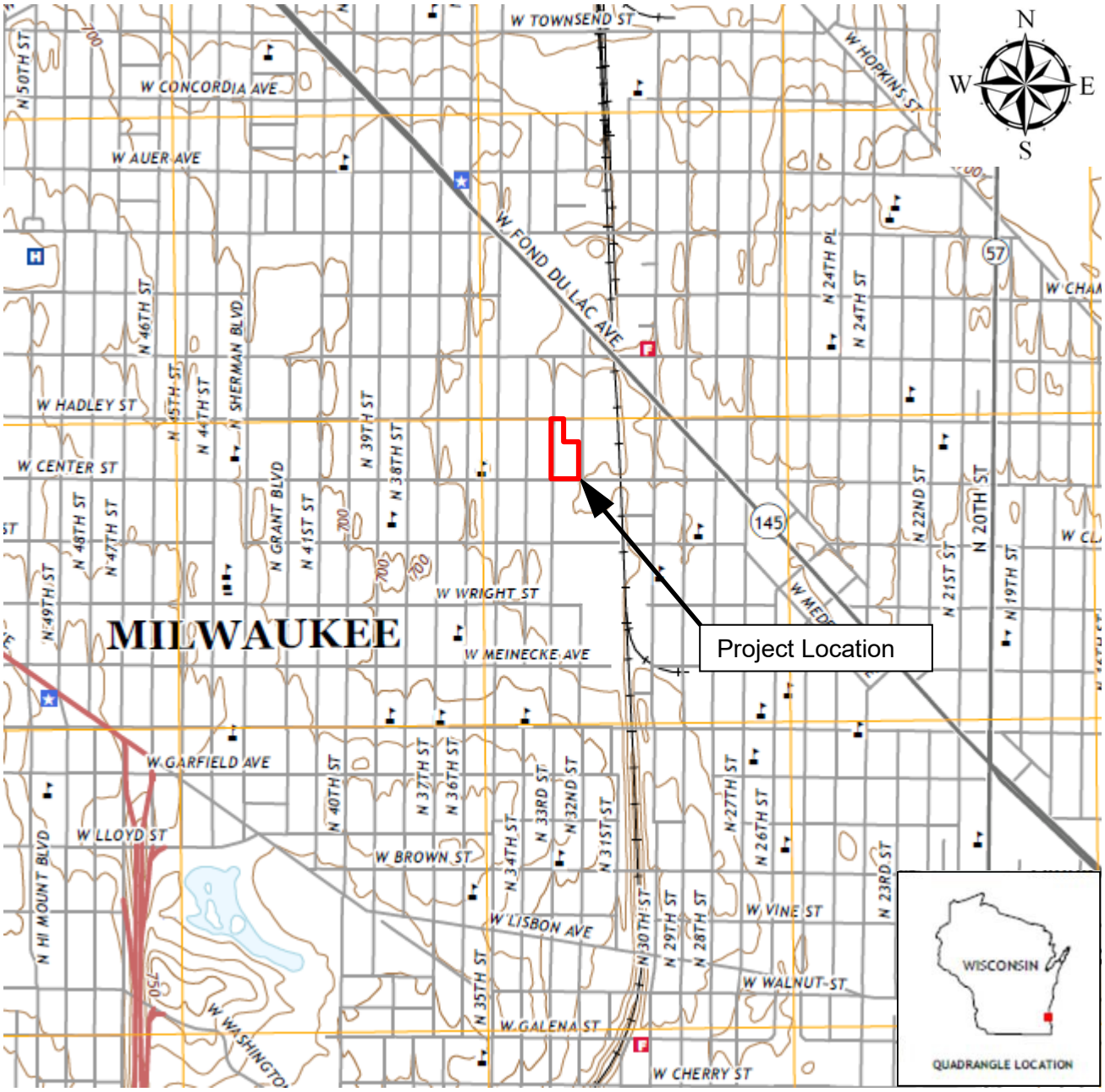

Figure 1 – Site Location Map

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

Scale 1:24,000

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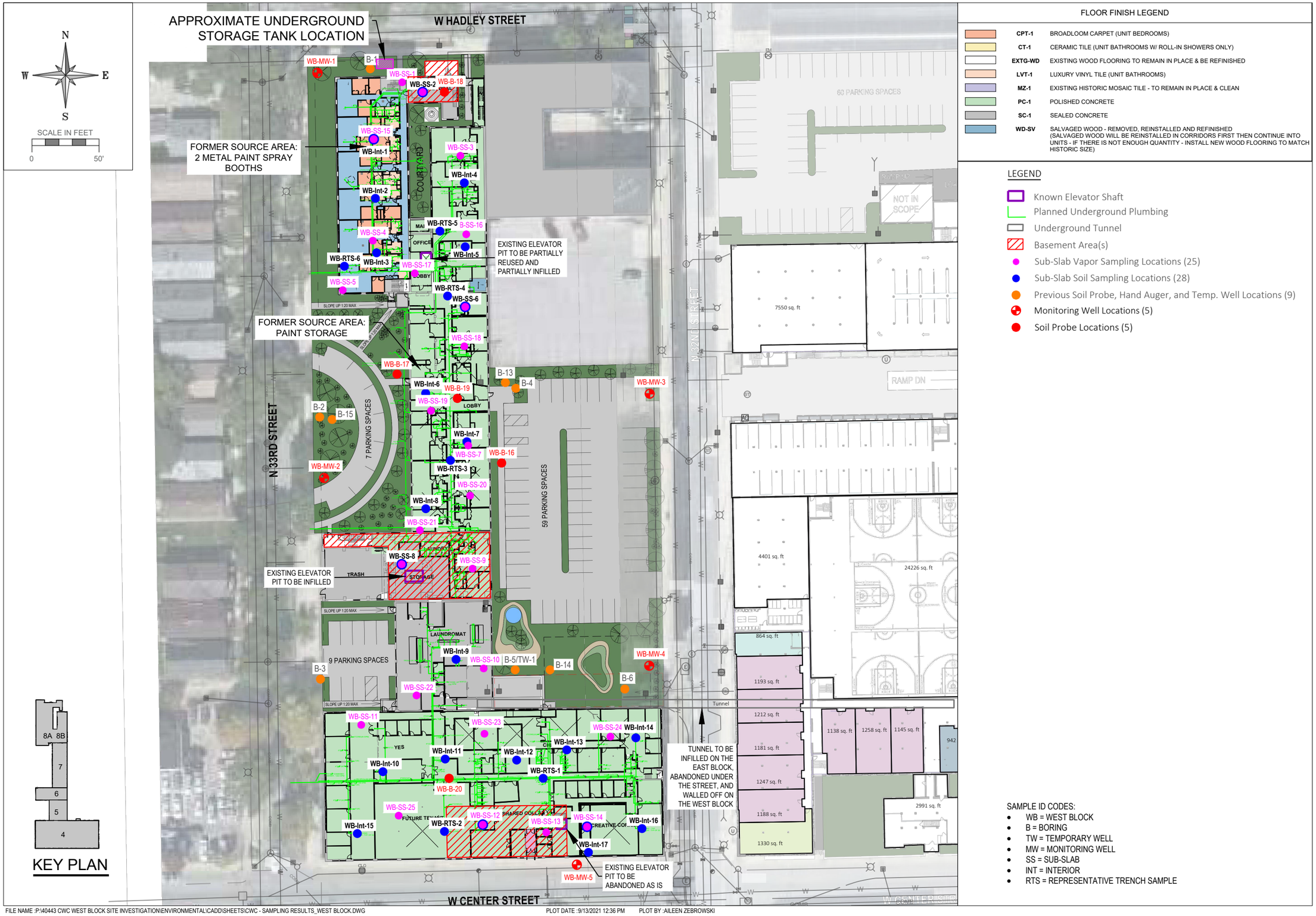

FLOOR FINISH LEGEND

	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 (5)
- Soil Probe Locations (5)

SAMPLE ID CODES:

- WB = WEST BLOCK
- B = BORING
- TW = TEMPORARY WELL
- MW = MONITORING WELL
- SS = SUB-SLAB
- INT = INTERIOR
- RTS = REPRESENTATIVE TRENCH SAMPLE

KEY PLAN

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

CONSULTANT

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	DATE
AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

SHEET TITLE
LOCATION OF SOIL PROBES, MONITORING WELLS, SUB-SLAB VAPOR & SUB-SLAB SOIL SAMPLES

FIGURE 2

SHEET 1 of SHEET 2

TABLES

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

Well ID	Units	WB-MW-1			WB-MW-2			WB-MW-3		WB-MW-4			WB-MW-5		
Ground Elevation	Feet	682.57			686.17			685.83		684.89			680.03		
TOC Elevation	Feet	685.36			689.16			688.97		687.94			679.21		
TOS Elevation	Feet	673.32			675.64			677.23		674.08			664.38		
BOS Elevation	Feet	658.32			660.64			662.23		659.08			654.38		
Screen Height	Feet	15			15			15		15			10		
DATE		**DTW (TOC)**		**GROUNDWATER ELEVATION**	**DTW (TOC)**		**GROUNDWATER ELEVATION**	**DTW (TOC)**	**GROUNDWATER ELEVATION**	**DTW (TOC)**		**GROUNDWATER ELEVATION**	**DTW**		**GROUNDWATER ELEVATION**
5/18/2021		17.58	14.79	667.78	23.42	20.09	665.74	DRY	---	27.51	24.46	660.43	---		---
6/10/2021		17.28	14.49	668.08	23.25	19.92	665.91	DRY	---	27.15	24.1	660.79	---		---
6/22/2021		17.22	14.43	668.14	23.53	20.2	665.63	DRY	---	27.14	24.09	660.80	---		---
6/30/2021		15.44	12.65	669.92	23.59	20.26	665.57	DRY	---	27.13	24.08	660.81	---		---
7/20/2021		17.33	14.54	668.03	22.95	19.62	666.21	DRY	---	27.00	23.95	660.94	18.55	17.73	660.66
7/29/2021		17.41	14.62	667.95	23.76	20.43	665.40	DRY	---	27.00	23.95	660.94	18.67	17.85	660.54
8/19/2021		17.31	14.52	668.05	23.87	20.54	665.29	DRY	---	26.91	23.86	661.03	18.23	17.41	660.98
10/6/2021		17.62	14.83	667.74	24.70	21.37	664.46	DRY	---	27.40	24.35	660.54	18.20	17.38	661.01

TABLE 2
GROUNDWATER QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	EPA	NR 140 PAL	NR 140 ES	WB-MW-1		WB-MW-2		WB-MW-4	
Date		Method			6/30/2021	10/6/2021	6/30/2021	10/6/2021	6/30/2021	10/6/2021
Volatile Organic Compounds (VOCs)										
1,1,1,2-Tetrachloroethane	ug/L	8260C	*7*	**70**	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,1,1-Trichloroethane	ug/L	8260C	*40*	**200**	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2,2-Tetrachloroethane	ug/L	8260C	*0.02*	**0.2**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,1,2-Trichloroethane	ug/L	8260C	*0.5*	**5**	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	ug/L	8260C	*85*	**850**	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	ug/L	8260C	*0.7*	**7**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,1-Dichloropropene	ug/L	8260C	---	---	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,2,3-Trichlorobenzene	ug/L	8260C	---	---	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,3-Trichloropropane	ug/L	8260C	*12*	**60**	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2,4-Trichlorobenzene	ug/L	8260C	*14*	**70**	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2,4-Trimethylbenzene*	ug/L	8260C	*96*	**480**	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromo-3-Chloropropane	ug/L	8260C	*0.02*	**0.2**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dibromoethane	ug/L	8260C	*0.005*	**0.05**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichlorobenzene	ug/L	8260C	*60*	**600**	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2-Dichloroethane	ug/L	8260C	*0.5*	**5**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	ug/L	8260C	*0.5*	**5**	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene*	ug/L	8260C	*96*	**480**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3-Dichlorobenzene	ug/L	8260C	*60*	**600**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,3-Dichloropropane	ug/L	8260C	---	---	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,4-Dichlorobenzene	ug/L	8260C	*15*	**75**	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
2,2-Dichloropropane	ug/L	8260C	---	---	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
2-Chlorotoluene	ug/L	8260C	---	---	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
4-Chlorotoluene	ug/L	8260C	---	---	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Benzene	ug/L	8260C	*0.5*	**5**	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Bromobenzene	ug/L	8260C	---	---	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Bromochloromethane	ug/L	8260C	---	---	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Bromodichloromethane	ug/L	8260C	*0.06*	**0.6**	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	ug/L	8260C	*0.44*	**4.4**	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	ug/L	8260C	*1*	**10**	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
Carbon tetrachloride	ug/L	8260C	*0.5*	**5**	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
Chlorobenzene	ug/L	8260C	---	---	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	ug/L	8260C	*80*	**400**	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	ug/L	8260C	*0.6*	**6**	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	ug/L	8260C	*3*	**30**	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
cis-1,2-Dichloroethene	ug/L	8260C	*7*	**70**	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	ug/L	8260C	*0.04*	**0.4**	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	ug/L	8260C	*6*	**60**	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	ug/L	8260C	---	---	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dichlorodifluoromethane	ug/L	8260C	*200*	**1,000**	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	ug/L	8260C	*140*	**700**	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	ug/L	8260C	*0.1*	**1**	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Diisopropyl ether	ug/L	8260C	---	---	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	ug/L	8260C	---	---	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	ug/L	8260C	*12*	**60**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	ug/L	8260C	*0.5*	**5**	**6.5**	<1.6	**6.5**	<1.6	**6.7**	<1.6
Naphthalene	ug/L	8260C	*10*	**100**	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Butylbenzene	ug/L	8260C	---	---	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
n-Propylbenzene	ug/L	8260C	---	---	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
p-Isopropyltoluene	ug/L	8260C	---	---	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
sec-Butylbenzene	ug/L	8260C	---	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Styrene	ug/L	8260C	*10*	**100**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
tert-Butylbenzene	ug/L	8260C	---	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Tetrachloroethene	ug/L	8260C	*0.5*	**5**	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	ug/L	8260C	*160*	**800**	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	ug/L	8260C	*20*	**100**	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
trans-1,3-Dichloropropene	ug/L	8260C	*0.04*	**0.4**	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Trichloroethene	ug/L	8260C	*0.5*	**5**	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	ug/L	8260C	---	---	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	ug/L	8260C	*0.02*	**0.2**	<0.20	<0.20	<0.20	<0.20	**0.29 J**	**0.45 J**
Total Xylenes	ug/L	8260C	*400*	**2,000**	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Polychlorinated Biphenyls (PCBs)										
PCB-1016	ug/L	8082A	*0.003*	**0.03**	---	<0.062	---	<0.063	---	<0.062
PCB-1221	ug/L	8082A	*0.003*	**0.03**	---	<0.19	---	<0.19	---	<0.18
PCB-1232	ug/L	8082A	*0.003*	**0.03**	---	<0.19	---	<0.19	---	<0.18
PCB-1242	ug/L	8082A	*0.003*	**0.03**	---	<0.19	---	<0.19	---	<0.18
PCB-1248	ug/L	8082A	*0.003*	**0.03**	---	<0.19	---	<0.19	---	<0.18
PCB-1254	ug/L	8082A	*0.003*	**0.03**	---	<0.19	---	<0.19	---	<0.18
PCB-1260	ug/L	8082A	*0.003*	**0.03**	---	<0.065	---	<0.065	---	<0.065

Notes:
Italics = Exceeds NR 140 Preventive Action Limits (PAL)
Bold = Exceeds NR 140 Enforcement Limits (ES)
--- No Established Standards or Not Tested
* The combined total of 1,2,4 and 1,3,5-TMB)
** - Duplicate sample
Methylene Chloride present in MW-1 to 3 is a lab artifact, indicated by a detection in the 6/30/2021 trip blank

TABLE 2
GROUNDWATER QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

	WB-MW-5		Trip Blank		
10/6/2021**	07/20/2021	10/6/2021	6/30/2021	7/20/2021	10/6/2021
<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
<0.37	<0.37	<0.37	<0.37	*<0.37*	<0.37
<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
<0.67	<0.67	<0.67	<0.67	*<0.67*	<0.67
<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
<1.6	<1.6	<1.6	**6.5**	<1.6	<1.6
<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
0.43 J	<0.20	<0.20	<0.20	<0.20	<0.20
<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
<0.076	---	<0.062	---	---	---
<0.23	---	<0.18	---	---	---
<0.23	---	<0.18	---	---	---
<0.23	---	<0.18	---	---	---
<0.23	---	<0.18	---	---	---
<0.23	---	<0.18	---	---	---
<0.079	---	<0.064	---	---	---

ATTACHMENTS

ATTACHMENT A

Groundwater Analytical Results

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-206371-1
Client Project/Site: Community Within the Corridor - West Block 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Authorized for release by:
10/20/2021 1:11:53 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

Table of Contents

Case Narrative

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block 40443

Job ID: 500-206371-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-206371-1

Comments
No additional comments.

Receipt
The samples were received on 10/7/2021 10:25 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 4.4º C.

GC/MS 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.

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
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-1 — Lab Sample ID: 500-206371-1

No Detections.

Client Sample ID: MW-2 — Lab Sample ID: 500-206371-2

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 500-206371-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.45	J	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 500-206371-4

No Detections.

Client Sample ID: Duplicate — Lab Sample ID: 500-206371-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.43	J	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-206371-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-206371-1	MW-1	Ground Water	10/06/21 09:20	10/07/21 10:25
500-206371-2	MW-2	Ground Water	10/06/21 14:00	10/07/21 10:25
500-206371-3	MW-4	Ground Water	10/06/21 12:00	10/07/21 10:25
500-206371-4	MW-5	Ground Water	10/06/21 11:10	10/07/21 10:25
500-206371-5	Duplicate	Ground Water	10/06/21 00:00	10/07/21 10:25
500-206371-6	Trip Blank	Water	10/06/21 00:00	10/07/21 10:25

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-1
Lab Sample ID: 500-206371-1
Date Collected: 10/06/21 09:20
Matrix: Ground Water
Date Received: 10/07/21 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/19/21 13:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/19/21 13:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/19/21 13:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/19/21 13:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/19/21 13:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/19/21 13:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/19/21 13:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/19/21 13:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/19/21 13:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/19/21 13:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/19/21 13:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/19/21 13:09	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/19/21 13:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/19/21 13:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/19/21 13:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/19/21 13:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/19/21 13:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/19/21 13:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/19/21 13:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/19/21 13:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/19/21 13:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/19/21 13:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/19/21 13:09	1
Benzene	<0.15		0.50	0.15	ug/L			10/19/21 13:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/19/21 13:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/19/21 13:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/19/21 13:09	1
Bromoform	<0.48		1.0	0.48	ug/L			10/19/21 13:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/19/21 13:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/19/21 13:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/19/21 13:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/19/21 13:09	1
Chloroform	<0.37		2.0	0.37	ug/L			10/19/21 13:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/19/21 13:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/19/21 13:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/19/21 13:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/19/21 13:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/19/21 13:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/19/21 13:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/19/21 13:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/19/21 13:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/19/21 13:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 13:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/19/21 13:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/19/21 13:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/19/21 13:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 13:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/19/21 13:09	1

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-1
Date Collected: 10/06/21 09:20
Date Received: 10/07/21 10:25

Lab Sample ID: 500-206371-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/19/21 13:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 13:09	1
Styrene	<0.39		1.0	0.39	ug/L			10/19/21 13:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 13:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/19/21 13:09	1
Toluene	<0.15		0.50	0.15	ug/L			10/19/21 13:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/19/21 13:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/19/21 13:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/19/21 13:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/19/21 13:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/19/21 13:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/19/21 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*10/19/21 13:09*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*10/19/21 13:09*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*10/19/21 13:09*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/19/21 13:09*	*1*

Method: 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		10/12/21 08:52	10/12/21 18:22	1
PCB-1221	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:22	1
PCB-1232	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:22	1
PCB-1242	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:22	1
PCB-1248	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:22	1
PCB-1254	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:22	1
PCB-1260	<0.065		0.37	0.065	ug/L		10/12/21 08:52	10/12/21 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*30 - 120*	*10/12/21 08:52*	*10/12/21 18:22*	*1*
DCB Decachlorobiphenyl	*45*		*30 - 140*	*10/12/21 08:52*	*10/12/21 18:22*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-2
Date Collected: 10/06/21 14:00
Date Received: 10/07/21 10:25

Lab Sample ID: 500-206371-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/19/21 13:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/19/21 13:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/19/21 13:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/19/21 13:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/19/21 13:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/19/21 13:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/19/21 13:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/19/21 13:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/19/21 13:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/19/21 13:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/19/21 13:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/19/21 13:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/19/21 13:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/19/21 13:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/19/21 13:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/19/21 13:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/19/21 13:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/19/21 13:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/19/21 13:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/19/21 13:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/19/21 13:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/19/21 13:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/19/21 13:37	1
Benzene	<0.15		0.50	0.15	ug/L			10/19/21 13:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/19/21 13:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/19/21 13:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/19/21 13:37	1
Bromoform	<0.48		1.0	0.48	ug/L			10/19/21 13:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/19/21 13:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/19/21 13:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/19/21 13:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/19/21 13:37	1
Chloroform	<0.37		2.0	0.37	ug/L			10/19/21 13:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/19/21 13:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/19/21 13:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/19/21 13:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/19/21 13:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/19/21 13:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/19/21 13:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/19/21 13:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/19/21 13:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/19/21 13:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 13:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/19/21 13:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/19/21 13:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/19/21 13:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 13:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/19/21 13:37	1

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-2
Date Collected: 10/06/21 14:00
Date Received: 10/07/21 10:25

Lab Sample ID: 500-206371-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/19/21 13:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 13:37	1
Styrene	<0.39		1.0	0.39	ug/L			10/19/21 13:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 13:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/19/21 13:37	1
Toluene	<0.15		0.50	0.15	ug/L			10/19/21 13:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/19/21 13:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/19/21 13:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/19/21 13:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/19/21 13:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/19/21 13:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/19/21 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*10/19/21 13:37*	*1*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*		*10/19/21 13:37*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*10/19/21 13:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/19/21 13:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.063		0.37	0.063	ug/L		10/12/21 08:52	10/12/21 18:39	1
PCB-1221	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:39	1
PCB-1232	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:39	1
PCB-1242	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:39	1
PCB-1248	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:39	1
PCB-1254	<0.19		0.37	0.19	ug/L		10/12/21 08:52	10/12/21 18:39	1
PCB-1260	<0.065		0.37	0.065	ug/L		10/12/21 08:52	10/12/21 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*30 - 120*	*10/12/21 08:52*	*10/12/21 18:39*	*1*
DCB Decachlorobiphenyl	*36*		*30 - 140*	*10/12/21 08:52*	*10/12/21 18:39*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-4
Lab Sample ID: 500-206371-3
Date Collected: 10/06/21 12:00
Matrix: Ground Water
Date Received: 10/07/21 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/19/21 14:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/19/21 14:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/19/21 14:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/19/21 14:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/19/21 14:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/19/21 14:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/19/21 14:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/19/21 14:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/19/21 14:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/19/21 14:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/19/21 14:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/19/21 14:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/19/21 14:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/19/21 14:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/19/21 14:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/19/21 14:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/19/21 14:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/19/21 14:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/19/21 14:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/19/21 14:05	1
Benzene	<0.15		0.50	0.15	ug/L			10/19/21 14:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/19/21 14:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/19/21 14:05	1
Bromoform	<0.48		1.0	0.48	ug/L			10/19/21 14:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/19/21 14:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/19/21 14:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/19/21 14:05	1
Chloroform	<0.37		2.0	0.37	ug/L			10/19/21 14:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/19/21 14:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/19/21 14:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/19/21 14:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/19/21 14:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/19/21 14:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/19/21 14:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/19/21 14:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/19/21 14:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/19/21 14:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/19/21 14:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/19/21 14:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/19/21 14:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/19/21 14:05	1

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-4
Date Collected: 10/06/21 12:00
Date Received: 10/07/21 10:25

Lab Sample ID: 500-206371-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/19/21 14:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:05	1
Styrene	<0.39		1.0	0.39	ug/L			10/19/21 14:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/19/21 14:05	1
Toluene	<0.15		0.50	0.15	ug/L			10/19/21 14:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/19/21 14:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/19/21 14:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/19/21 14:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/19/21 14:05	1
Vinyl chloride	**0.45**	**J**	1.0	0.20	ug/L			10/19/21 14:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/19/21 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*10/19/21 14:05*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*10/19/21 14:05*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*10/19/21 14:05*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/19/21 14:05*	*1*

Method: 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		10/12/21 08:52	10/12/21 18:55	1
PCB-1221	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 18:55	1
PCB-1232	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 18:55	1
PCB-1242	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 18:55	1
PCB-1248	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 18:55	1
PCB-1254	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 18:55	1
PCB-1260	<0.065		0.37	0.065	ug/L		10/12/21 08:52	10/12/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*30 - 120*	*10/12/21 08:52*	*10/12/21 18:55*	*1*
DCB Decachlorobiphenyl	*55*		*30 - 140*	*10/12/21 08:52*	*10/12/21 18:55*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-5
Lab Sample ID: 500-206371-4
Date Collected: 10/06/21 11:10
Matrix: Ground Water
Date Received: 10/07/21 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/19/21 14:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/19/21 14:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/19/21 14:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/19/21 14:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/19/21 14:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/19/21 14:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/19/21 14:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/19/21 14:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/19/21 14:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/19/21 14:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/19/21 14:32	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/19/21 14:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/19/21 14:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/19/21 14:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/19/21 14:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/19/21 14:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/19/21 14:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/19/21 14:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/19/21 14:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/19/21 14:32	1
Benzene	<0.15		0.50	0.15	ug/L			10/19/21 14:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/19/21 14:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/19/21 14:32	1
Bromoform	<0.48		1.0	0.48	ug/L			10/19/21 14:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/19/21 14:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/19/21 14:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/19/21 14:32	1
Chloroform	<0.37		2.0	0.37	ug/L			10/19/21 14:32	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/19/21 14:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/19/21 14:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/19/21 14:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/19/21 14:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/19/21 14:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/19/21 14:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/19/21 14:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/19/21 14:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/19/21 14:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/19/21 14:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/19/21 14:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/19/21 14:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/19/21 14:32	1

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-5
Date Collected: 10/06/21 11:10
Date Received: 10/07/21 10:25

Lab Sample ID: 500-206371-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/19/21 14:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:32	1
Styrene	<0.39		1.0	0.39	ug/L			10/19/21 14:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/19/21 14:32	1
Toluene	<0.15		0.50	0.15	ug/L			10/19/21 14:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/19/21 14:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/19/21 14:32	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/19/21 14:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/19/21 14:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/19/21 14:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/19/21 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*10/19/21 14:32*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*10/19/21 14:32*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*10/19/21 14:32*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/19/21 14:32*	*1*

Method: 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		10/12/21 08:52	10/12/21 19:11	1
PCB-1221	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 19:11	1
PCB-1232	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 19:11	1
PCB-1242	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 19:11	1
PCB-1248	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 19:11	1
PCB-1254	<0.18		0.37	0.18	ug/L		10/12/21 08:52	10/12/21 19:11	1
PCB-1260	<0.064		0.37	0.064	ug/L		10/12/21 08:52	10/12/21 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*30 - 120*	*10/12/21 08:52*	*10/12/21 19:11*	*1*
DCB Decachlorobiphenyl	*53*		*30 - 140*	*10/12/21 08:52*	*10/12/21 19:11*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Duplicate
Date Collected: 10/06/21 00:00
Date Received: 10/07/21 10:25

Lab Sample ID: 500-206371-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/19/21 14:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/19/21 14:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/19/21 14:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/19/21 14:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/19/21 14:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/19/21 14:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/19/21 14:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/19/21 14:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/19/21 14:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/19/21 14:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/19/21 14:59	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/19/21 14:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/19/21 14:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/19/21 14:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/19/21 14:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/19/21 14:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/19/21 14:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/19/21 14:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/19/21 14:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/19/21 14:59	1
Benzene	<0.15		0.50	0.15	ug/L			10/19/21 14:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/19/21 14:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/19/21 14:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/19/21 14:59	1
Bromoform	<0.48		1.0	0.48	ug/L			10/19/21 14:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/19/21 14:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/19/21 14:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/19/21 14:59	1
Chloroform	<0.37		2.0	0.37	ug/L			10/19/21 14:59	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/19/21 14:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/19/21 14:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/19/21 14:59	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/19/21 14:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/19/21 14:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/19/21 14:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/19/21 14:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/19/21 14:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/19/21 14:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/19/21 14:59	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/19/21 14:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/19/21 14:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 14:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/19/21 14:59	1

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Duplicate
Date Collected: 10/06/21 00:00
Date Received: 10/07/21 10:25

Lab Sample ID: 500-206371-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/19/21 14:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:59	1
Styrene	<0.39		1.0	0.39	ug/L			10/19/21 14:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 14:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/19/21 14:59	1
Toluene	<0.15		0.50	0.15	ug/L			10/19/21 14:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/19/21 14:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/19/21 14:59	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/19/21 14:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/19/21 14:59	1
Vinyl chloride	**0.43**	**J**	1.0	0.20	ug/L			10/19/21 14:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/19/21 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*10/19/21 14:59*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*10/19/21 14:59*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/19/21 14:59*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/19/21 14:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.076		0.45	0.076	ug/L		10/12/21 08:52	10/12/21 19:27	1
PCB-1221	<0.23		0.45	0.23	ug/L		10/12/21 08:52	10/12/21 19:27	1
PCB-1232	<0.23		0.45	0.23	ug/L		10/12/21 08:52	10/12/21 19:27	1
PCB-1242	<0.23		0.45	0.23	ug/L		10/12/21 08:52	10/12/21 19:27	1
PCB-1248	<0.23		0.45	0.23	ug/L		10/12/21 08:52	10/12/21 19:27	1
PCB-1254	<0.23		0.45	0.23	ug/L		10/12/21 08:52	10/12/21 19:27	1
PCB-1260	<0.079		0.45	0.079	ug/L		10/12/21 08:52	10/12/21 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*30 - 120*	*10/12/21 08:52*	*10/12/21 19:27*	*1*
DCB Decachlorobiphenyl	*60*		*30 - 140*	*10/12/21 08:52*	*10/12/21 19:27*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Trip Blank
Date Collected: 10/06/21 00:00
Date Received: 10/07/21 10:25

Lab Sample ID: 500-206371-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/19/21 11:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/19/21 11:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/19/21 11:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/19/21 11:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/19/21 11:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/19/21 11:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/19/21 11:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/19/21 11:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/19/21 11:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/19/21 11:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/19/21 11:47	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/19/21 11:47	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/19/21 11:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/19/21 11:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/19/21 11:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/19/21 11:47	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/19/21 11:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/19/21 11:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/19/21 11:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/19/21 11:47	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/19/21 11:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/19/21 11:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/19/21 11:47	1
Benzene	<0.15		0.50	0.15	ug/L			10/19/21 11:47	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/19/21 11:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/19/21 11:47	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/19/21 11:47	1
Bromoform	<0.48		1.0	0.48	ug/L			10/19/21 11:47	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/19/21 11:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/19/21 11:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/19/21 11:47	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/19/21 11:47	1
Chloroform	<0.37		2.0	0.37	ug/L			10/19/21 11:47	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/19/21 11:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/19/21 11:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/19/21 11:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/19/21 11:47	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/19/21 11:47	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/19/21 11:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/19/21 11:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/19/21 11:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/19/21 11:47	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 11:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/19/21 11:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/19/21 11:47	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/19/21 11:47	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 11:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/19/21 11:47	1

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Trip Blank
Lab Sample ID: 500-206371-6

Date Collected: 10/06/21 00:00
Matrix: Water
Date Received: 10/07/21 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/19/21 11:47	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 11:47	1
Styrene	<0.39		1.0	0.39	ug/L			10/19/21 11:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 11:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/19/21 11:47	1
Toluene	<0.15		0.50	0.15	ug/L			10/19/21 11:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/19/21 11:47	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/19/21 11:47	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/19/21 11:47	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/19/21 11:47	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/19/21 11:47	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/19/21 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*10/19/21 11:47*	*1*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*		*10/19/21 11:47*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*10/19/21 11:47*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/19/21 11:47*	*1*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

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.

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
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

GC/MS VOA

Analysis Batch: 624196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206371-1	MW-1	Total/NA	Ground Water	8260B	
500-206371-2	MW-2	Total/NA	Ground Water	8260B	
500-206371-3	MW-4	Total/NA	Ground Water	8260B	
500-206371-4	MW-5	Total/NA	Ground Water	8260B	
500-206371-5	Duplicate	Total/NA	Ground Water	8260B	
500-206371-6	Trip Blank	Total/NA	Water	8260B	
MB 500-624196/6	Method Blank	Total/NA	Water	8260B	
LCS 500-624196/4	Lab Control Sample	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 623030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206371-1	MW-1	Total/NA	Ground Water	3510C	
500-206371-2	MW-2	Total/NA	Ground Water	3510C	
500-206371-3	MW-4	Total/NA	Ground Water	3510C	
500-206371-4	MW-5	Total/NA	Ground Water	3510C	
500-206371-5	Duplicate	Total/NA	Ground Water	3510C	
MB 500-623030/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-623030/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-623030/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 623152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206371-1	MW-1	Total/NA	Ground Water	8082A	623030
500-206371-2	MW-2	Total/NA	Ground Water	8082A	623030
500-206371-3	MW-4	Total/NA	Ground Water	8082A	623030
500-206371-4	MW-5	Total/NA	Ground Water	8082A	623030
500-206371-5	Duplicate	Total/NA	Ground Water	8082A	623030
MB 500-623030/1-A	Method Blank	Total/NA	Water	8082A	623030
LCS 500-623030/2-A	Lab Control Sample	Total/NA	Water	8082A	623030
LCSD 500-623030/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	623030

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-206371-1	MW-1	103	82	97	97
500-206371-2	MW-2	103	81	97	96
500-206371-3	MW-4	103	82	97	95
500-206371-4	MW-5	104	82	97	95
500-206371-5	Duplicate	105	82	98	96

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-206371-6	Trip Blank	102	81	99	96
LCS 500-624196/4	Lab Control Sample	100	81	100	99
MB 500-624196/6	Method Blank	105	82	98	95

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(30-120)	(30-140)
500-206371-1	MW-1	81	45
500-206371-2	MW-2	79	36
500-206371-3	MW-4	80	55
500-206371-4	MW-5	76	53
500-206371-5	Duplicate	75	60

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(30-120)	(30-140)
LCS 500-623030/2-A	Lab Control Sample	92	87

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	TCX2 (30-120)	DCBP2 (30-140)								
LCSD 500-623030/3-A	Lab Control Sample Dup	83	75								
MB 500-623030/1-A	Method Blank	104	95								

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

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

Lab Sample ID: MB 500-624196/6
Matrix: Water
Analysis Batch: 624196

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/19/21 11:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/19/21 11:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/19/21 11:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/19/21 11:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/19/21 11:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/19/21 11:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/19/21 11:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/19/21 11:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/19/21 11:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/19/21 11:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/19/21 11:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/19/21 11:20	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/19/21 11:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/19/21 11:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/19/21 11:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/19/21 11:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/19/21 11:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/19/21 11:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/19/21 11:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/19/21 11:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/19/21 11:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/19/21 11:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/19/21 11:20	1
Benzene	<0.15		0.50	0.15	ug/L			10/19/21 11:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/19/21 11:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/19/21 11:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/19/21 11:20	1
Bromoform	<0.48		1.0	0.48	ug/L			10/19/21 11:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/19/21 11:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/19/21 11:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/19/21 11:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/19/21 11:20	1
Chloroform	<0.37		2.0	0.37	ug/L			10/19/21 11:20	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/19/21 11:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/19/21 11:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/19/21 11:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/19/21 11:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/19/21 11:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/19/21 11:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/19/21 11:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/19/21 11:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/19/21 11:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 11:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/19/21 11:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/19/21 11:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/19/21 11:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/19/21 11:20	1

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

Lab Sample ID: MB 500-624196/6
Matrix: Water
Analysis Batch: 624196

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/19/21 11:20	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/19/21 11:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 11:20	1
Styrene	<0.39		1.0	0.39	ug/L			10/19/21 11:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/19/21 11:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/19/21 11:20	1
Toluene	<0.15		0.50	0.15	ug/L			10/19/21 11:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/19/21 11:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/19/21 11:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/19/21 11:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/19/21 11:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/19/21 11:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/19/21 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*10/19/21 11:20*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*10/19/21 11:20*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/19/21 11:20*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/19/21 11:20*	*1*

Lab Sample ID: LCS 500-624196/4
Matrix: Water
Analysis Batch: 624196

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	70 - 125
1,1,1-Trichloroethane	50.0	59.2		ug/L		118	70 - 125
1,1,2,2-Tetrachloroethane	50.0	33.4		ug/L		67	62 - 140
1,1,2-Trichloroethane	50.0	42.6		ug/L		85	71 - 130
1,1-Dichloroethane	50.0	46.4		ug/L		93	70 - 125
1,1-Dichloroethene	50.0	58.6		ug/L		117	67 - 122
1,1-Dichloropropene	50.0	52.0		ug/L		104	70 - 121
1,2,3-Trichlorobenzene	50.0	57.0		ug/L		114	51 - 145
1,2,3-Trichloropropane	50.0	37.3		ug/L		75	50 - 133
1,2,4-Trichlorobenzene	50.0	55.6		ug/L		111	57 - 137
1,2,4-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	31.0		ug/L		62	56 - 123
1,2-Dibromoethane	50.0	41.6		ug/L		83	70 - 125
1,2-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 125
1,2-Dichloroethane	50.0	49.7		ug/L		99	68 - 127
1,2-Dichloropropane	50.0	39.8		ug/L		80	67 - 130
1,3,5-Trimethylbenzene	50.0	51.0		ug/L		102	70 - 123
1,3-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 125
1,3-Dichloropropane	50.0	40.4		ug/L		81	62 - 136
1,4-Dichlorobenzene	50.0	46.0		ug/L		92	70 - 120
2,2-Dichloropropane	50.0	46.1		ug/L		92	58 - 139
2-Chlorotoluene	50.0	46.0		ug/L		92	70 - 125

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

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

Lab Sample ID: LCS 500-624196/4
Matrix: Water
Analysis Batch: 624196

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	45.2		ug/L		90	68 - 124
Benzene	50.0	48.0		ug/L		96	70 - 120
Bromobenzene	50.0	40.1		ug/L		80	70 - 122
Bromochloromethane	50.0	52.7		ug/L		105	65 - 122
Bromodichloromethane	50.0	42.3		ug/L		85	69 - 120
Bromoform	50.0	35.1		ug/L		70	56 - 132
Bromomethane	50.0	68.8		ug/L		138	40 - 152
Carbon tetrachloride	50.0	57.1		ug/L		114	59 - 133
Chlorobenzene	50.0	48.9		ug/L		98	70 - 120
Chloroethane	50.0	61.5		ug/L		123	48 - 136
Chloroform	50.0	51.4		ug/L		103	70 - 120
Chloromethane	50.0	45.6		ug/L		91	56 - 152
cis-1,2-Dichloroethene	50.0	51.7		ug/L		103	70 - 125
cis-1,3-Dichloropropene	50.0	37.1		ug/L		74	64 - 127
Dibromochloromethane	50.0	38.6		ug/L		77	68 - 125
Dibromomethane	50.0	47.0		ug/L		94	70 - 120
Dichlorodifluoromethane	50.0	63.9		ug/L		128	40 - 159
Ethylbenzene	50.0	54.1		ug/L		108	70 - 123
Hexachlorobutadiene	50.0	68.1		ug/L		136	51 - 150
Isopropylbenzene	50.0	49.7		ug/L		99	70 - 126
Methyl tert-butyl ether	50.0	34.1		ug/L		68	55 - 123
Methylene Chloride	50.0	49.6		ug/L		99	69 - 125
Naphthalene	50.0	49.8		ug/L		100	53 - 144
n-Butylbenzene	50.0	57.2		ug/L		114	68 - 125
N-Propylbenzene	50.0	48.5		ug/L		97	69 - 127
p-Isopropyltoluene	50.0	58.3		ug/L		117	70 - 125
sec-Butylbenzene	50.0	54.8		ug/L		110	70 - 123
Styrene	50.0	47.5		ug/L		95	70 - 120
tert-Butylbenzene	50.0	55.0		ug/L		110	70 - 121
Tetrachloroethene	50.0	58.5		ug/L		117	70 - 128
Toluene	50.0	49.9		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	54.5		ug/L		109	70 - 125
trans-1,3-Dichloropropene	50.0	33.9		ug/L		68	62 - 128
Trichloroethene	50.0	53.4		ug/L		107	70 - 125
Trichlorofluoromethane	50.0	62.3		ug/L		125	55 - 128
Vinyl chloride	50.0	56.0		ug/L		112	64 - 126
Xylenes, Total	100	113		ug/L		113	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

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

Lab Sample ID: MB 500-623030/1-A
Matrix: Water
Analysis Batch: 623152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.40	0.067	ug/L		10/12/21 08:52	10/12/21 17:34	1
PCB-1221	<0.20		0.40	0.20	ug/L		10/12/21 08:52	10/12/21 17:34	1
PCB-1232	<0.20		0.40	0.20	ug/L		10/12/21 08:52	10/12/21 17:34	1
PCB-1242	<0.20		0.40	0.20	ug/L		10/12/21 08:52	10/12/21 17:34	1
PCB-1248	<0.20		0.40	0.20	ug/L		10/12/21 08:52	10/12/21 17:34	1
PCB-1254	<0.20		0.40	0.20	ug/L		10/12/21 08:52	10/12/21 17:34	1
PCB-1260	<0.070		0.40	0.070	ug/L		10/12/21 08:52	10/12/21 17:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*30 - 120*	*10/12/21 08:52*	*10/12/21 17:34*	*1*
DCB Decachlorobiphenyl	*95*		*30 - 140*	*10/12/21 08:52*	*10/12/21 17:34*	*1*

Lab Sample ID: LCS 500-623030/2-A
Matrix: Water
Analysis Batch: 623152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623030

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	3.62		ug/L		91	56 - 120		
PCB-1260			4.00	3.66		ug/L		92	53 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*92*		*30 - 120*
DCB Decachlorobiphenyl	*87*		*30 - 140*

Lab Sample ID: LCSD 500-623030/3-A
Matrix: Water
Analysis Batch: 623152

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 623030

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			4.00	3.35		ug/L		84	56 - 120	8	20
PCB-1260			4.00	3.31		ug/L		83	53 - 137	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*83*		*30 - 120*
DCB Decachlorobiphenyl	*75*		*30 - 140*

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: MW-1
Lab Sample ID: 500-206371-1
Date Collected: 10/06/21 09:20
Matrix: Ground Water
Date Received: 10/07/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	624196	10/19/21 13:09	JLC	TAL CHI
Total/NA	Prep	3510C			623030	10/12/21 08:52	DAK	TAL CHI
Total/NA	Analysis	8082A		1	623152	10/12/21 18:22	SS	TAL CHI

Client Sample ID: MW-2
Lab Sample ID: 500-206371-2
Date Collected: 10/06/21 14:00
Matrix: Ground Water
Date Received: 10/07/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	624196	10/19/21 13:37	JLC	TAL CHI
Total/NA	Prep	3510C			623030	10/12/21 08:52	DAK	TAL CHI
Total/NA	Analysis	8082A		1	623152	10/12/21 18:39	SS	TAL CHI

Client Sample ID: MW-4
Lab Sample ID: 500-206371-3
Date Collected: 10/06/21 12:00
Matrix: Ground Water
Date Received: 10/07/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	624196	10/19/21 14:05	JLC	TAL CHI
Total/NA	Prep	3510C			623030	10/12/21 08:52	DAK	TAL CHI
Total/NA	Analysis	8082A		1	623152	10/12/21 18:55	SS	TAL CHI

Client Sample ID: MW-5
Lab Sample ID: 500-206371-4
Date Collected: 10/06/21 11:10
Matrix: Ground Water
Date Received: 10/07/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	624196	10/19/21 14:32	JLC	TAL CHI
Total/NA	Prep	3510C			623030	10/12/21 08:52	DAK	TAL CHI
Total/NA	Analysis	8082A		1	623152	10/12/21 19:11	SS	TAL CHI

Client Sample ID: Duplicate
Lab Sample ID: 500-206371-5
Date Collected: 10/06/21 00:00
Matrix: Ground Water
Date Received: 10/07/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	624196	10/19/21 14:59	JLC	TAL CHI
Total/NA	Prep	3510C			623030	10/12/21 08:52	DAK	TAL CHI
Total/NA	Analysis	8082A		1	623152	10/12/21 19:27	SS	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Trip Blank
Lab Sample ID: 500-206371-6
Date Collected: 10/06/21 00:00
Matrix: Water
Date Received: 10/07/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	624196	10/19/21 11:47	JLC	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-206371-1
Project/Site: Community Within the Corridor - West Block
40443

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-206371

Sample Collector(s)	Title	Telephone # (incl area co 500-206371 COC	Report To
Alexander Huebner	Staff Engineer	(262) 821-1171	Daniel Pelczar
Property Owner	Property Address	Telephone # (incl area code)	KSingh Project #
Community Within the Corridor - West Block	3212 W Center St. 2727 N 32nd Street, & 2758 N 33rd Street Milwaukee WI		40443

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

Laboratory Name **Synergy**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank.
	10/6/21, 3:30 pm		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.
Relinquished By (Signature)	Date/Time	Received By (Signature	
	10/6/21 17:00	CTA 10/7/21 1625	

1 Specify groundwater (GW) soil (S), air (A) sludge (SL), surface water (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

	Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	VOCs	PCBs								Sample Condition # / Type of Container MeOH	HCL	H2SO4	Unpres	Other Comment
1	10/6/2021	9 20am	GW	Bailer	MW 1	x	x									3		2	
2	10/6/2021	2 00pm	GW	Bailer	MW 2	x	x									3		2	
3	10/6/2021	12 00pm	GW	Bailer	MW-4	x	x									3		2	
4	10/6/2021	11 10am	GW	Bailer	MW-5	x	x									3		2	
5	10/6/2021	-----	GW	Bailer	Duplicate	x	x									3		2	
6	10/6/2021				Trip Blank											1			

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[ ] Dispose [ ] Return [ ] Retain for (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By
Accepted [ ] Y [ ] N
Signature

4.5 → 4.4

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-206371-1

Login Number: 206371
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins TestAmerica, 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	4.4
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	