

May 11, 2021

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

Project # 40441

Subject: **Contained Out Determination for Proposed Modification of Vapor Mitigation /
Extraction System for Community Within the Corridor – East Block
2748 N 32nd Street, Milwaukee, WI 53208
BRRTS # 02-41-263675 FID 241025400**

Dear Ms. Pfeiffer:

On behalf of the Community Within the Corridor Limited Partnership, we are pleased to submit a request for a contained out decision for disposal of soils contaminated with trichloroethylene (TCE) located in the Community Within the Corridor – East Block project. Please consider this submittal an addendum to the previously submitted technical assistance request. We request your approval for a contained out decision as soon as possible.

Project Background

The Community Within the Corridor Limited Partnership is proposing to redevelop the property into a mix of affordable housing, commercial spaces, and other amenities. The property was previously investigated and granted Case Closure with continuing obligations as an industrial property under BRRTS # 02-41-263675. KSingh was retained to perform environmental consulting services for the redevelopment of the property. The following investigations have been performed and submitted to WDNR.

- Phase I Environmental Site Assessment - March 10, 2020
- Phase II Environmental Site Assessment - May 24, 2020
- Indoor Air and Sub-Slab Vapor Sampling - July 7, 2020
- Request for Post Closure Modification - July 8, 2020
- Additional Information re: Decommissioning of Current Sub-Slab Depressurization System and Implementation of Parking Garage - September 15, 2020
- Environmental Investigation Memorandum - August 24, 2020
- Sub-Slab Vapor Investigation Work Plan - November 12, 2020
- Response to WDNR Review of Sub-Slab Vapor Investigation Work Plan - December 3, 2020
- Additional Sub-Slab Vapor Sampling Investigation for Post Closure Modification - January 8, 2021
- Feasibility Study and Design – Vapor Mitigation System – March 10, 2021
- Update to Post Closure Modification Request / Remedial Action Plan – March 19, 2021
- Additional Soils Investigation – March 24, 2021

Based on the findings of the additional investigations, WDNR has decided to reopen the case and has requested additional site investigation to complete a NR 716 Site Investigation. However, in regard to the building itself, the sub-slab vapor investigation is complete. and we have requested that WDNR grant approval of the vapor extraction / mitigation system. The WDNR responded with additional questions and comments in a letter dated April 9, 2021 and requested that K Singh include hot spot removal in a revised plan. A revised plan was submitted to the WDNR on May 4, 2021 and is currently awaiting review.

The trenching for installation of the system and the hot spot removal will encounter soils contaminated with TCE. Three locations that were tested, VE-4, EB-IB-2, and EB-IB-3, which contained TCE greater than 8.8 mg/kg with total concentrations of 13 mg/kg, 18 mg/kg, and 14 mg/kg respectively. The locations of the testing are shown on Figure 1. To determine if the soils were characteristic of hazardous waste, Total Characteristic Leaching Protocol (TCLP) tests were performed at the three locations. Test results are summarized in Table 1 and included in Attachment A. TCLP test results at VE-4, EB-IB-2, and EB-IB-3 reported test results of 0.06 mg/L, 0.085 mg/L, and 0.18 mg/L, respectively.

Rationale for Contained Out Decision

One of the options for managing excavated soils at the project is for TCE contaminated soils to be disposed of at a licensed solid waste landfill as a Special Waste under a “contained out” decision.

TCE may be a listed hazardous waste under NR 661.31 if the source of the TCE is associated with degreasing with spent solvent mixtures or blends containing, before use, a total of 10% or more (by volume) of TCE. A thorough review of site history has been performed as part of the remedial investigation process, including a Phase I ESA. Based on the investigations, we have concluded that the TCE contamination in soil has no known source or date of release to the environment other than generally being part of industrial operations at the facility. EPA guidance indicates: “Where a facility owner/operator makes a good faith effort to determine if the material is a listed hazardous waste but cannot make such a determination because documentation regarding the source of contamination, contaminant or waste is unavailable or inconclusive, one may assume the source, contaminant or waste is not a listed hazardous waste.” The EPA guidance goes on to say: “Therefore, provided the material in question does not exhibit a characteristic of hazardous waste, RCRA requirements do not apply.” Please refer to Attachment B for a completed Remediation Site Hazardous Waste Determination form. Therefore, the TCE present in soil is not a listed process and the material is eligible to be considered for a “contained out” decision if the material is not characteristic of hazardous waste.

In “Contained-Out” Values for PCE, TCE and Vinyl Chloride”, Pub-RR-969, published December 2013, the WDNR reported a “contained out” value for soils containing TCE of 8.8 mg/kg. The maximum concentration of TCE detected in soil in the Community Within the Corridor – East Block is 18 mg/kg. However, TCLP tests were performed on TCE contaminated soils, the maximum TCLP concentration of TCE is less 0.5 mg/L which is the listed toxicity regulatory level under 40 CFR 261.24 and which Orchard Ridge RDF is licensed to accept. Therefore, TCE contaminated soils in the Community Within the Corridor – East Block are not characteristic of hazardous waste and meet the WDNR’s “contained out” criteria.

Closure

We request WDNR concurrence that the material is not characteristic of hazardous waste and soils from the Community Within the Corridor – East Block can be disposed of as a special waste as part of the Vapor Extraction / Vapor Mitigation System plan review. Please call if you have any questions regarding this submittal.

Sincerely,

K. SINGH & ASSOCIATES, INC.



Aileen M. Zebrowski, E.I.T.
Staff Engineer



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 Soil Sampling Locations

Table 1 Soil Analytical Table

Attachment A Laboratory Data

Attachment B Form 4430-019 Remediation Site Hazardous Waste Determination

FIGURE

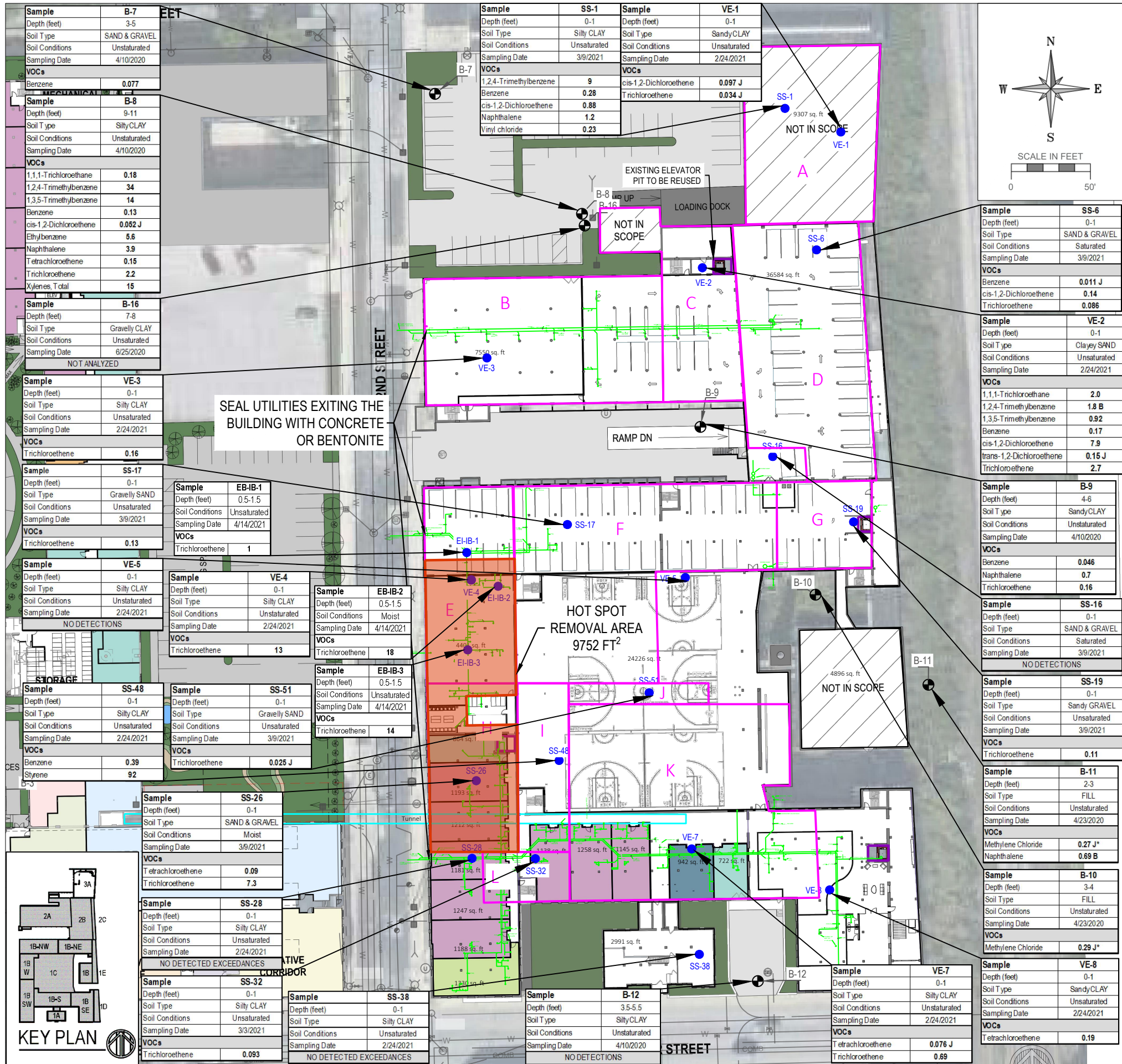
CONSULTANT

CONSULTANT

CONSULTANT

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR
2748 N 32ND STREET
MILWAUKEE, WI 53210
PROJECT NUMBER: 40441

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED
PARTNERSHIP



LEGEND

- Soil Sampling Locations
- Previous Soil Boring Locations
- Known Elevator Shaft
- 1 - Bedroom Apartment
- 2 - Bedroom Apartment
- 3 - Bedroom Apartment
- 4 - Bedroom Apartment
- Studio Apartment
- Underground Plumbing
- Underground Tunnel
- TCE Zones for Mass Calculations
- TCE Hot Spot Removal Area

NOTE:
● COMBINATION OF EXISTING AND PROPOSED PLUMBING

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - NR 720 RCLs -	
		Non-Industrial Use for Direct Contact Protection (1)	Industrial Use for Direct Contact Protection (1)
Volatile Organic Compounds (VOCs)			
1,1,1-Trichloroethane	0.1402	640	640
1,2,4-Trimethylbenzene	1.3787**	219	219
1,3,5-Trimethylbenzene	1.3787**	182	182
Benzene	0.0051	1.6	7.07
cis-1,2-Dichloroethene	0.0412	156	2,340
Ethylbenzene	1.57	8.02	35.4
Methylene Chloride	0.0026	61.8	1,150
Naphthalene	0.658182	5.52	24.10
Styrene	0.22	867	867
Tetrachloroethene	0.0045	33	145
trans-1,2-Dichloroethene	0.0626	1560	1850
Trichloroethene	0.0036	1.3	8.41
Vinyl chloride	0.0001	0.067	2.08
Xylenes, Total	3.96	1,212	1212

- NOTES:
- (1) FROM WDNR RCLS WORKSHEET DATED DECEMBER 2018
 - REPORTED UNITS IN MG/KG
 - ONLY EXCEEDANCES SHOWN
 - BOLD** = VALUE EXCEEDS GROUNDWATER PROTECTION OR DIRECT CONTACT RCLS
 - ** = COMBINED ESTABLISHED STANDARD OF 1,2,4- & 1,3,5- TRIMETHYLBENZENE
 - * = LABORATORY CONTROL SAMPLE OR ITS DUPLICATE IS OUTSIDE ACCEPTANCE LIMITS
 - "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
 - SAMPLING LOCATIONS ARE APPROXIMATE

REVISIONS	DATE	DESCRIPTION

SHEET TITLE

SOIL SAMPLING LOCATIONS

FIGURE 1

TABLE

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-7	B-8	B-9	B-10	B-11	B-12	B-16	SS-1
							3-5	9-11	4-6	3-4	2-3	3.5-5.5	7-8	0-1
							SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY	Silty CLAY
							Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date														
Physical Characteristics														
Percent Moisture							15.8	10.5	13.0	7.6	6.6	9.2	18.0	20.4
Percent Solids							84.2	89.5	87	92.4	93.4	90.8	82.0	79.6
Volatile Organic Compounds (VOCs)														
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.047	<0.041	<0.051	<0.045	<0.044	<0.041	---	<0.035
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.039	0.18	0.077 J	<0.037	<0.037	<0.034	---	0.13
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.041	<0.035	<0.044	<0.039	<0.038	<0.035	---	<0.030
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.036	<0.031	<0.039	<0.035	<0.034	<0.031	---	<0.026
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.042	<0.036	<0.045	<0.040	<0.039	<0.036	---	0.13
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.040	<0.034	<0.043	<0.038	<0.038	<0.034	---	<0.029
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.031	<0.026	<0.033	<0.029	<0.029	<0.026	---	<0.022
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.047	<0.040	<0.050	<0.045	<0.044	<0.040	---	<0.034
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.042	<0.036	<0.046	<0.041	<0.040	<0.037	---	<0.031
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.035	<0.030	<0.038	<0.034	<0.033	<0.030	---	<0.026
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	0.11	34	0.35	<0.035	0.28	<0.032	---	9
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.20 *	<0.17 *	<0.22 *	<0.20 *	<0.19	<0.18 *	---	<0.15
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034	---	<0.029
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.034	<0.029	<0.037	<0.033	<0.032	<0.030	---	<0.025
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.040	<0.034	<0.043	<0.038	<0.038	<0.035	---	<0.030
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.044	<0.038	<0.047	<0.042	<0.041	<0.038	---	<0.032
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.039	14	0.080 J	<0.037	0.11	<0.034	---	0.13
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.041	<0.035	<0.044	<0.039	<0.038	<0.035	---	<0.030
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.037	<0.032	<0.040	<0.035	<0.035	<0.032	---	<0.027
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.037	<0.032	<0.040	<0.036	<0.035	<0.032	---	<0.027
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.045	<0.039	<0.049	<0.044	<0.043	<0.039	---	<0.033
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.032	<0.028	<0.035	<0.031	<0.030	<0.028	---	<0.024
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.036	<0.031	<0.039	<0.034	<0.034	<0.031	---	<0.026
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	0.077	0.13	0.046	<0.014	0.055	<0.013	---	0.28
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.036	<0.031	<0.039	<0.035	<0.034	<0.031	---	<0.027
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.044	<0.038	<0.047	<0.042 *	<0.041 *	<0.038	---	<0.032
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.038	<0.033	<0.041	<0.036	<0.036	<0.033	---	<0.028
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.050	<0.043	<0.053	<0.047	<0.047	<0.043	---	<0.036
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.081 *	<0.070 *	<0.088 *	<0.078 *	<0.077 *F1	<0.070 *	---	<0.060
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.039	<0.034	<0.042	<0.038	<0.037	<0.034	---	<0.029
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034	---	<0.029

**TABLE 1
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MILWAUKEE, WI**

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							3-5	9-11	4-6	3-4	2-3	3.5-5.5	7-8	0-1
							SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY	Silty CLAY
							Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date														
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.052	<0.044	<0.055	<0.049 *	<0.048 *	<0.045	---	<0.038
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.038	<0.032	<0.041	<0.036	<0.036	<0.033	---	<0.028
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.033	<0.028	<0.035	<0.031	<0.031	<0.028	---	<0.024
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.042	0.052 J	<0.045	<0.040	<0.039	<0.036	---	0.88
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.043	<0.037	<0.046	<0.041	<0.040	<0.037	---	<0.031
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.050	<0.043	<0.054	<0.048	<0.047	<0.043	---	<0.037
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.028	<0.024	<0.030	<0.026 *	<0.026 *	<0.024	---	<0.020
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.069	<0.059	<0.074	<0.066	<0.065	<0.060	---	<0.051
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	0.051	5.6	0.13	<0.018	0.08	<0.016	---	0.74
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.046	<0.039	<0.049	<0.044	<0.043	<0.039	---	<0.034
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.028	<0.024	<0.030	<0.027	<0.027	<0.024	---	<0.021
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.039	1.8	0.11	<0.038	<0.037	<0.034	---	0.54
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.040	<0.035	<0.043	<0.039 *	<0.038 *	<0.035	---	<0.030
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.17	<0.14	<0.18	0.29 J*	0.27 J*	<0.14	---	<0.12
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	0.15	3.9	0.7	<0.033	0.69 B	<0.030	---	1.2
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	<0.040	10	0.059 J	<0.038	<0.037	<0.034	---	3.7
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	<0.042	4.2	0.13	<0.041	0.048 J	<0.037	---	1.2
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.037	5.1	<0.040	<0.035	<0.035	<0.032	---	0.91
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.041	3.8	0.045 J	<0.039	<0.038	<0.035	---	1.9
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034	---	<0.029
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.041	0.38	<0.044	<0.039	<0.038	<0.035	---	0.2
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.038	0.15	<0.041	<0.036	<0.036	<0.033	---	<0.028
Toluene	mg/Kg	8260B	1.1072	818	818	---	0.28	0.23	0.29	<0.014	0.38	<0.013	---	0.14
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.036	<0.031	<0.039	<0.034	<0.034	<0.031	---	<0.026
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.037	<0.032	<0.040	<0.035	<0.035	<0.032	---	<0.027
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.017	2.2	0.16	<0.016	<0.016	<0.014	---	<0.012
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.044	<0.038	<0.047	<0.042	<0.041	<0.038	---	<0.032
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.027	<0.023	<0.029	<0.026	<0.025	<0.023	---	0.23
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	0.37	15	1	<0.022	0.81	<0.019	---	0.34
Method 8260B - Volatile Organic Compounds - TCLP														
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---

**TABLE 1
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COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

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							3-5	9-11	4-6	3-4	2-3	3.5-5.5	7-8	0-1
							SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY	Silty CLAY
							Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date														
Semivolatile Organic Compounds (SVOCs)														
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	<0.038	<0.038	---	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	<0.042	<0.042	---	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	<0.040	<0.040	---	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	<0.045	<0.045	---	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	<0.0087	0.27	---	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	<0.041	<0.041	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	<0.081	<0.081	---	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	<0.12	<0.12	---	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	<0.084	<0.084	---	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	<0.13	<0.13	---	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	<0.62	<0.62	---	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	<0.056	<0.056	---	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	<0.070	<0.070	---	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	<0.039	<0.039	---	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	<0.061	<0.060	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	<0.0065	0.39	---	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	<0.057	<0.057	---	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	<0.048	<0.048	---	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	<0.084	<0.084	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	<0.059	<0.059	---	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	<0.050	<0.050	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	<0.11	<0.11	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	<0.28	<0.28	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	<0.047	<0.047	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	<0.12	<0.12	---	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	<0.17	<0.17	---	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	<0.041	<0.041	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	<0.15	<0.15	---	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	<0.34	<0.34	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	<0.0064	<0.0064	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	<0.0047	<0.0047	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	0.016 J	0.087	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	0.074	0.36	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	0.11	0.39	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	0.16	0.59	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	0.062	0.18	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	0.05	0.21	---	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	<0.35	<0.35	---	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	<0.35	<0.35	---	---	---

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-7	B-8	B-9	B-10	B-11	B-12	B-16	SS-1
							3-5	9-11	4-6	3-4	2-3	3.5-5.5	7-8	0-1
							SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY	Silty CLAY
							Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date														
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	<0.036	<0.036	---	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	<0.053	<0.053	---	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	<0.065	0.24	---	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	<0.067	<0.067	---	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	<0.089	<0.088	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	0.094	0.45	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	<0.0069	0.055	---	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	<0.042	0.11 J	---	---	---
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	<0.060	<0.060	---	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	<0.046	<0.046	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	<0.054	<0.054	---	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	<0.058	<0.058	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	0.18	0.84	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	0.0054 J	<0.0050	---	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	<0.0082	<0.0082	---	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	<0.056	<0.056	---	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	<0.20	<0.20	---	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	<0.054	<0.054	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	0.054	0.16	---	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	<0.040	<0.040	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	<0.0055	0.23	---	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	<0.0088	<0.0088	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	<0.043	<0.043	---	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	<0.042	<0.042	---	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	<0.57	<0.57	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	0.078	0.65	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	<0.079	<0.079	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	0.15	0.68	---	---	---
Polycyclic Aromatic Hydrocarbons (PAHs)														
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	0.066 J	0.77	0.69	---	---	<0.0087	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	0.074 J	1.1	0.84	---	---	<0.0066	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	0.1	0.47	0.041	---	---	<0.0064	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	0.023 J	0.052	<0.0050	---	---	<0.0047	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	0.19	0.55	0.074	---	---	<0.0060	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	0.91	0.83	0.3	---	---	0.012 J	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	1.1	0.87	0.32	---	---	<0.0069	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	1.5	0.95	0.57	---	---	<0.0077	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	0.4	0.28	0.13	---	---	<0.012	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	0.49	0.32	0.14	---	---	<0.011	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	1.1	0.84	0.45	---	---	<0.0097	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	0.13	0.097	0.053	---	---	<0.0069	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	2.2	2.2	0.55	---	---	<0.0066	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	0.083	0.48	0.031 J	---	---	<0.0050	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	0.37	0.27	0.12	---	---	<0.0093	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	0.064	2.1	0.67	---	---	<0.0055	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	1.4	2.4	0.67	---	---	<0.0050	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	2.1	1.8	0.5	---	---	0.011 J	---	---

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SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-7	B-8	B-9	B-10	B-11	B-12	B-16	SS-1
							3-5	9-11	4-6	3-4	2-3	3.5-5.5	7-8	0-1
							SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY	Silty CLAY
							Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date							4/10/2020	4/10/2020	4/10/2020	4/23/2020	4/23/2020	4/10/2020	6/25/2020	3/9/2021
Polychlorinated Biphenyls (PCBs)														
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	---	<0.0063	---	<0.0062	<0.0063	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	<0.0078	---	<0.0078	<0.0078	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	<0.0078	---	<0.0077	<0.0078	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	<0.0059	---	<0.0058	<0.0058	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	<0.0070	---	<0.0070	<0.0070	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	0.13	---	<0.0038	0.11	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	<0.0088	---	<0.0087	<0.0087	---	---	---
RCRA Metals														
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	5.8	6.2	18	1.8	16	7.9	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	69	34	53	15	42	23	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	0.41 B	0.38 B	<0.21	0.22 B	0.82 B	0.57 B	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	17	15	35	5.5	14	12	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	140	22	56	6.9	53	9.5	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	0.066	0.091	0.07	<0.0058	0.05	0.0078 J	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	<0.65	<0.58	<0.67	<0.54	<0.56	<0.56	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	0.28 J	0.18 J	0.72	<0.12	0.22 J	0.21 J	---	---
Oranochlorine Pesticides														
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	<0.00035	<0.00036	---	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	0.0013 J	0.003	---	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	<0.00093	<0.00094	---	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	<0.00073	<0.00074	---	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	<0.00045	<0.00045	---	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	0.0012 J	<0.00090	---	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	<0.00055	0.023	---	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	<0.00056	<0.00056	---	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	<0.00024	0.0036	---	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	<0.00077	<0.00078	---	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	<0.00029	<0.00029	---	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	<0.00032	<0.00033	---	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	<0.00024	<0.00025	---	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	<0.00030	<0.00030	---	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	<0.00040	<0.00040	---	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	<0.00038	<0.00039	---	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	0.00096 J	<0.00047	---	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	<0.00074	<0.00075	---	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	<0.00063	<0.00063	---	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	<0.00034	<0.00035	---	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	<0.0075	<0.0075	---	---	---
Herbicides														
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	<0.085	<0.086	---	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	<0.099	<0.10	---	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	<0.10	<0.10	---	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	<0.073	<0.073	---	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	<0.095	<0.096	---	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	<0.090	<0.090	---	---	---

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COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-7	B-8	B-9	B-10	B-11	B-12	B-16	SS-1
							3-5	9-11	4-6	3-4	2-3	3.5-5.5	7-8	0-1
Depth (feet)							SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY	Silty CLAY
Soil Type							Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Soil Conditions							4/10/2020	4/10/2020	4/10/2020	4/23/2020	4/23/2020	4/10/2020	6/25/2020	3/9/2021
Sampling Date														
Method 537 (modified) - Fluorinated Alkyl Substances														
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	0.16 J B	---
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.094	---
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.051	---
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.035	---
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	<0.10	---
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.044	---
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.027	---
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.044	---
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.082	---
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.062	---
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.066	---
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.054	---
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.034	---
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.031	---
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.024	---
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.038	---
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.043	---
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	0.51 J B	---
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.024	---
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.048	---
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.073	---
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.10	---
NEtFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.029	---
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.050	---
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.48	---
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.45	---
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.087	---
NEtFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.044	---
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.45	---
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.18	---
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.31	---
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.061	---
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.022	---
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.13	---
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.033	---
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	<0.027	---

(1) From WDNR RCLs Worksheet dated December 2018
BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
 --- = Not analyzed / No established standard
 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
 F1 = Matrix spike and/or matrix spike duplicate recovery exceeds control limits
 B = Compound was found in the blank and sample
 *+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased
 * = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits
 ** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene
 *** = Combined established standard for NR 720 RCLs for groundwater protection

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48
						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
						SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY
						Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date														
Physical Characteristics														
Percent Moisture						16.0	27.1	14.0	5.7	10.7	15.2	10.2	15.6	14.1
Percent Solids						84.0	72.9	86.0	94.3	89.3	84.8	89.8	84.4	85.9
Volatile Organic Compounds (VOCs)														
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	<0.032	<0.041	<0.030	<0.033	<0.028	<0.055	<0.028	<0.056	<0.19
1,1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	<0.026	<0.033	0.11	<0.027	<0.023	<0.045	<0.023	<0.046	<0.15
1,1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	<0.028	<0.035	<0.026	<0.029	<0.024	<0.048	<0.024	<0.048	<0.16
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	<0.025	<0.031	<0.023	<0.025	<0.021	<0.042	<0.021	<0.043	<0.14
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	<0.029	<0.036	<0.027	<0.030	<0.025	<0.049	<0.025	<0.050	<0.17
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	<0.027	<0.034	<0.026	<0.028	<0.024	<0.047	<0.024	<0.047	<0.16
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	<0.021	<0.026	<0.020	<0.022	<0.018	<0.036	<0.018	<0.036	<0.12
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	<0.032	<0.040	<0.030	<0.033	<0.028	<0.055	<0.028	<0.055	<0.19
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	<0.029	<0.036	<0.027	<0.030	<0.025	<0.049	<0.025	<0.050	<0.17
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	<0.024	<0.030	<0.022	<0.025	<0.021	<0.041	<0.021	<0.041	<0.14
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	<0.025	<0.031	<0.024	0.063 J	0.072	0.11 J B	<0.022	<0.043	1.1 B
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	<0.14	<0.17	<0.13	<0.14	<0.12	<0.24	<0.12	<0.24	<0.81
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	<0.027	<0.034	<0.025	<0.028	<0.023	<0.046	<0.023	<0.047	<0.16
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.023	<0.029	<0.022	<0.024	<0.020	<0.040	<0.020	<0.040	<0.14
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	<0.027	<0.034	<0.026	<0.028	<0.024	<0.047	<0.024	<0.047	<0.16
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	<0.030	<0.038	<0.028	<0.031	<0.026	<0.051	<0.026	<0.052	<0.17
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.026	<0.033	<0.025	<0.027	<0.023	<0.045	<0.023	<0.046	0.17 J
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.028	<0.035	<0.026	<0.029	<0.024	<0.048	<0.024	<0.048	<0.16
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	<0.025	<0.032	<0.024	<0.026	<0.022	<0.043	<0.022	<0.044	<0.15
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.025	<0.032	<0.024	<0.026	<0.022	<0.043	<0.022	<0.044	<0.15
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	<0.031	<0.039	<0.029	<0.032	<0.027	<0.053	<0.027	<0.054	<0.18
2-Chlorotoluene	mg/Kg	8260B	---	907	907	<0.022	<0.028	<0.021	<0.023	<0.019	<0.037	<0.019	<0.038	<0.13
4-Chlorotoluene	mg/Kg	8260B	---	253	253	<0.024	<0.031	<0.023	<0.025	<0.021	<0.042	<0.021	<0.042	<0.14
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	0.011 J	<0.013	<0.0096	<0.011	<0.0089	<0.017	<0.0088	<0.018	0.39
Bromobenzene	mg/Kg	8260B	---	342	679	<0.025	<0.031	<0.023	<0.026	<0.022	<0.043	<0.022	<0.043	<0.14
Bromochloromethane	mg/Kg	8260B	---	216	906	<0.030	<0.038	<0.028	<0.031	<0.026	<0.051	<0.026	<0.052	<0.17
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	<0.026	<0.033	<0.024	<0.027	<0.023	<0.044	<0.022	<0.045	<0.15
Bromoform	mg/Kg	8260B	0.0023	25.4	113	<0.034	<0.043	<0.032	<0.035	<0.029	<0.058	<0.029	<0.059	<0.20
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	<0.056	<0.070	<0.052	<0.057	<0.048	<0.095	<0.048	<0.096	<0.32
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	<0.027	<0.034	<0.025	<0.028	<0.023	<0.046	<0.023	<0.046	<0.16
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.027	<0.034	<0.025	<0.028	<0.023	<0.046	<0.023	<0.047	<0.16

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Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48
						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	
						SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY
						Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date														
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	<0.035	<0.044	<0.033	<0.036	<0.031	<0.060	<0.030	<0.061	<0.20
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	<0.026	<0.033	<0.024	<0.027	<0.023	<0.044	<0.022	<0.045	<0.15
Chloromethane	mg/Kg	8260B	0.0155	159	669	<0.022	<0.028	<0.021	<0.023	<0.019	<0.038	<0.019	<0.039	<0.13
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	0.14	<0.036	<0.027	<0.029	<0.025	<0.049	<0.025	<0.049	<0.17
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	<0.029	<0.037	<0.027	<0.030	<0.025	<0.050	<0.025	<0.050	<0.17
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	<0.034	<0.043	<0.032	<0.035	<0.030	<0.058	<0.029	<0.059	<0.20
Dibromomethane	mg/Kg	8260B	---	34	143	<0.019	<0.024	<0.018	<0.019	<0.016	<0.032	<0.016	<0.033	<0.11
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	<0.047	<0.059	<0.044	<0.049	<0.041	<0.080	<0.041	<0.081	<0.27
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.013	<0.016	<0.012	<0.013	<0.011	<0.022	<0.011	<0.022	0.10
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	<0.031	<0.039	<0.029	<0.032	<0.027	<0.053	<0.027	<0.054	<0.18
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	<0.019	<0.024	<0.018	<0.020	<0.017	<0.033	<0.017	<0.033	<0.11
Isopropylbenzene	mg/Kg	8260B	---	268	268	<0.027	<0.034	<0.025	<0.028	<0.023	<0.046	<0.023	<0.046	0.16 J
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	<0.027	<0.035	<0.026	<0.028	<0.024	<0.047	<0.024	<0.048	<0.16
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.11	<0.14	<0.11	<0.12	<0.099	<0.19	<0.098	<0.20	<0.66
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	0.028 J	<0.029	0.12	0.13	0.14	0.11 J	<0.020	0.048 J	0.17 J
n-Butylbenzene	mg/Kg	8260B	---	108	108	<0.027	<0.034	<0.025	<0.028	<0.024	<0.046	<0.023	<0.047	<0.16
N-Propylbenzene	mg/Kg	8260B	---	264	264	<0.029	<0.036	<0.027	<0.030	<0.025	<0.049	<0.025	<0.050	<0.17
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	<0.025	<0.032	<0.024	<0.026	<0.022	<0.043	<0.022	<0.044	<0.15
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.028	<0.035	<0.026	<0.029	<0.024	<0.048	<0.024	<0.048	<0.16
Styrene	mg/Kg	8260B	0.22	867	867	<0.027	<0.034	<0.025	<0.028	0.12	<0.046	<0.023	<0.047	92
tert-Butylbenzene	mg/Kg	8260B	---	183	183	<0.028	<0.035	<0.026	<0.029	<0.024	<0.048	<0.024	<0.048	<0.16
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	<0.026	<0.033	<0.024	<0.027	0.09	<0.044	<0.022	<0.045	<0.15
Toluene	mg/Kg	8260B	1.1072	818	818	0.04	<0.013	0.015 J	0.049	0.039	<0.018	<0.0089	<0.018	0.11
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	<0.024	<0.031	<0.023	<0.025	<0.021	<0.042	<0.021	<0.042	<0.14
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	<0.025	<0.032	<0.024	<0.026	<0.022	<0.043	<0.022	<0.044	<0.15
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	0.086	<0.014	0.13	0.11	7.3	<0.020	0.093	<0.020	<0.066
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	<0.030	<0.038	<0.028	<0.031	<0.026	<0.051	<0.026	<0.052	<0.17
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	<0.018	<0.023	<0.017	<0.019	<0.016	<0.031	<0.016	<0.032	<0.11
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	0.033 J	<0.019	0.04	0.15	0.15	<0.026	<0.013	<0.027	0.42
Method 8260B - Volatile Organic Compounds - TCLP														
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---

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COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48
						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
						SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY
						Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date						3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	2/24/2021	3/3/2021	2/24/2021	2/24/2021
Semivolatile Organic Compounds (SVOCs)														
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	---	---	---	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	---	---	---	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	---	---	---	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	---	---	---	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	---	---	---	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48
						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	
						SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY
						Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date														
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	---	---	---	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	---	---	---	---	---
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	---	---	---	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	---	---	---	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (PAHs)														
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48				
Depth (feet)						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Soil Type						SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY
Soil Conditions						Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date						3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	2/24/2021	3/3/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021
Polychlorinated Biphenyls (PCBs)																		
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	---	---	---	---	---	---	---	---				
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	---	---	---	---	---	---	---				
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	---	---	---	---	---	---	---				
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	---	---	---	---	---				
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	---	---	---	---	---				
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---	---	---	---	---				
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	---	---	---	---	---	---	---				
RCRA Metals																		
Arsenic	mg/Kg	6010B	0.584	0.677	3	---	---	---	---	---	---	---	---	---				
Barium	mg/Kg	6010B	164.8	15,300	100,000	---	---	---	---	---	---	---	---	---				
Cadmium	mg/Kg	6010B	0.752	71.1	985	---	---	---	---	---	---	---	---	---				
Chromium	mg/Kg	6010B	360,000*	---	---	---	---	---	---	---	---	---	---	---				
Lead	mg/Kg	6010B	27	400	800	---	---	---	---	---	---	---	---	---				
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---				
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---				
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---				
Oranochlorine Pesticides																		
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	---	---	---	---				
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	---	---	---	---				
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	---	---	---	---				
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	---	---	---	---	---				
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	---	---	---	---				
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---				
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	---	---	---	---				
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---				
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	---	---	---	---	---				
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	---	---	---	---				
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---				
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---				
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---				
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---				
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---				
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	---	---	---	---				
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---				
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	---	---	---	---				
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	---	---	---	---				
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	---	---	---	---				
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	---	---	---	---				
Herbicides																		
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	---	---	---	---				
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	---	---	---	---				
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	---	---	---	---				
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	---	---	---	---				
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	---	---	---	---				
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	---	---	---	---				

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SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48	
Depth (feet)						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Soil Type						SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	
Soil Conditions						Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	
Sampling Date						3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	2/24/2021	3/3/2021	2/24/2021	2/24/2021	
Method 537 (modified) - Fluorinated Alkyl Substances															
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
NEtFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
NEtFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	

(1) From WDNR RCLs Worksheet dated December 2018

BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

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

F1 = Matrix spike and/or matrix spike duplicate recovery exceeds control limits

B = Compound was found in the blank and sample

*+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased

* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene

*** = Combined established standard for NR 720 RCLs for groundwater protection

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SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-51	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8
						0-1	0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0-1
Depth (feet)						Gravelly SAND	Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY		Silty CLAY	Silty CLAY	Sandy CLAY
Soil Type						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated
Soil Conditions						3/9/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021
Sampling Date														
Physical Characteristics														
Percent Moisture						5.8	15.5	22.9	17.9	8.8	NA	11.3	15.6	15.8
Percent Solids						94.2	84.5	77.1	82.1	91.2	NA	88.7	84.4	84.2
Volatile Organic Compounds (VOCs)														
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	<0.026	<0.049	<0.089	<0.046	<0.048	---	<0.045	<0.046	<0.059
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	<0.021	<0.040	2.0	<0.038	<0.040	---	<0.037	<0.038	<0.049
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	<0.022	<0.042	<0.077	<0.040	<0.041	---	<0.039	<0.040	<0.051
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	<0.020	<0.037	<0.068	<0.035	<0.037	---	<0.034	<0.035	<0.045
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	<0.023	<0.043	<0.079	<0.041	<0.043	---	<0.040	<0.041	<0.053
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	<0.022	<0.041	<0.076	<0.039	<0.041	---	<0.038	<0.039	<0.050
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	<0.017	<0.031	<0.058	<0.030	<0.031	---	<0.029	<0.030	<0.038
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	<0.026	<0.048	<0.089	<0.046	<0.048	---	<0.044	<0.046	<0.059
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	<0.023	<0.044	<0.080	<0.041	<0.043	---	<0.040	<0.041	<0.053
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	<0.019	<0.036	<0.066	<0.034	<0.036	---	<0.033	<0.034	<0.044
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	<0.020	<0.038	1.8 B	0.047 J B	<0.037	---	<0.035	<0.036	0.058 J B
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	<0.11	<0.21	<0.39	<0.20	<0.21	---	<0.19	<0.20	<0.26
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	<0.022	<0.041	<0.075	<0.038	<0.040	---	<0.037	<0.038	<0.050
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.019	<0.035	<0.065	<0.033	<0.035	---	<0.032	<0.033	<0.043
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	<0.022	<0.041	<0.076	<0.039	<0.041	---	<0.038	<0.039	<0.050
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	<0.024	<0.045	<0.083	<0.043	<0.045	---	<0.041	<0.043	<0.055
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.021	<0.040	0.92	<0.038	<0.040	---	<0.037	<0.038	<0.049
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.022	<0.042	<0.077	<0.040	<0.042	---	<0.039	<0.040	<0.051
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	<0.020	<0.038	<0.070	<0.036	<0.038	---	<0.035	<0.036	<0.046
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.020	<0.038	<0.070	<0.036	<0.038	---	<0.035	<0.036	<0.047
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	<0.025	<0.047	<0.086	<0.044	<0.046	---	<0.043	<0.044	<0.057
2-Chlorotoluene	mg/Kg	8260B	---	907	907	<0.018	<0.033	<0.061	<0.031	<0.033	---	<0.030	<0.031	<0.040
4-Chlorotoluene	mg/Kg	8260B	---	253	253	<0.020	<0.037	<0.068	<0.035	<0.036	---	<0.034	<0.035	<0.045
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<0.0082	<0.015	0.17	<0.015	<0.015	---	<0.014	<0.015	<0.019
Bromobenzene	mg/Kg	8260B	---	342	679	<0.020	<0.038	<0.069	<0.035	<0.037	---	<0.034	<0.035	<0.046
Bromochloromethane	mg/Kg	8260B	---	216	906	<0.024	<0.045	<0.083	<0.043	<0.045	---	<0.041	<0.043	<0.055
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	<0.021	<0.039	<0.072	<0.037	<0.039	---	<0.036	<0.037	<0.048
Bromoform	mg/Kg	8260B	0.0023	25.4	113	<0.027	<0.051	<0.094	<0.048	<0.050	---	<0.047	<0.048	<0.062
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	<0.045	<0.084	<0.15	<0.079	<0.083	---	<0.077	<0.079	<0.10
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	<0.022	<0.041	<0.074	<0.038	<0.040	---	<0.037	<0.038	<0.049
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.022	<0.041	<0.075	<0.038	<0.040	---	<0.037	<0.038	<0.050

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-51	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8
						0-1	0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0-1
						Gravelly SAND	Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY		Silty CLAY	Silty CLAY	Sandy CLAY
						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date						3/9/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	<0.028	<0.053	<0.098	<0.050	<0.053	---	<0.049	<0.050	<0.065
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	<0.021	<0.039	<0.072	<0.037	<0.039	---	<0.036	<0.037	<0.047
Chloromethane	mg/Kg	8260B	0.0155	159	669	<0.018	<0.034	<0.062	<0.032	<0.033	---	<0.031	<0.032	<0.041
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	<0.023	0.097 J	7.9	<0.041	<0.043	---	<0.040	<0.041	<0.052
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	<0.023	<0.044	<0.081	<0.041	<0.043	---	<0.040	<0.041	<0.053
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	<0.027	<0.052	<0.095	<0.049	<0.051	---	<0.047	<0.049	<0.063
Dibromomethane	mg/Kg	8260B	---	34	143	<0.015	<0.029	<0.052	<0.027	<0.028	---	<0.026	<0.027	<0.035
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	<0.038	<0.071	<0.13	<0.067	<0.070	---	<0.065	<0.067	<0.087
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.010	<0.019	0.38	<0.018	<0.019	---	<0.018	<0.018	<0.023
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	<0.025	<0.047	<0.086	<0.044	<0.046	---	<0.043	<0.044	<0.057
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	<0.015	<0.029	<0.053	<0.027	<0.029	---	<0.027	<0.028	<0.035
Isopropylbenzene	mg/Kg	8260B	---	268	268	<0.022	<0.041	0.12 J	<0.038	<0.040	---	<0.037	<0.038	<0.049
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	<0.022	<0.042	<0.076	<0.039	<0.041	---	<0.038	<0.039	<0.051
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.091	<0.17	<0.32	<0.16	<0.17	---	<0.16	<0.16	<0.21
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	<0.019	<0.035	0.57	<0.033	<0.035	---	<0.032	<0.033	0.12 J
n-Butylbenzene	mg/Kg	8260B	---	108	108	<0.022	0.20	0.52	<0.039	<0.040	---	<0.038	<0.039	<0.050
N-Propylbenzene	mg/Kg	8260B	---	264	264	<0.023	<0.044	0.28	<0.041	<0.043	---	<0.040	<0.041	<0.053
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	<0.020	<0.038	0.20	<0.036	<0.038	---	<0.035	<0.036	<0.046
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.022	0.16	0.14 J	<0.040	<0.041	---	<0.039	<0.040	<0.051
Styrene	mg/Kg	8260B	0.22	867	867	<0.022	<0.041	<0.075	<0.038	<0.040	---	<0.037	<0.038	<0.050
tert-Butylbenzene	mg/Kg	8260B	---	183	183	<0.022	<0.042	<0.077	<0.040	<0.041	---	<0.039	<0.040	<0.051
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	<0.021	<0.039	<0.072	<0.037	<0.039	---	<0.036	0.076 J	0.19
Toluene	mg/Kg	8260B	1.1072	818	818	<0.0082	<0.016	0.52	0.030	<0.015	---	<0.014	<0.015	0.034
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	<0.020	<0.037	0.15 J	<0.035	<0.036	---	<0.034	<0.035	<0.045
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	<0.020	<0.038	<0.070	<0.036	<0.038	---	<0.035	<0.036	<0.046
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	0.025 J	0.034 J	2.7	0.16	13	---	<0.016	0.69	<0.021
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	<0.024	<0.045	<0.083	<0.043	<0.045	---	<0.041	<0.043	<0.055
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	<0.015	<0.028	<0.051	<0.026	<0.027	---	<0.025	<0.026	<0.034
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	<0.012	<0.023	1.6	0.032 J	<0.023	---	<0.021	<0.022	0.10
Method 8260B - Volatile Organic Compounds - TCLP														
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	<0.010	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---	---	---	---	<0.010	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---	---	---	---	<0.010	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---	---	---	---	<0.010	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---	---	---	---	<0.010	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---	---	---	---	<0.020	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---	---	---	---	<0.050	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	<0.010	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	0.06	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---	---	---	---	<0.010	---	---	---

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COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-51	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8
						0-1	0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0-1
Depth (feet)						Gravelly SAND	Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY		Silty CLAY	Silty CLAY	Sandy CLAY
Soil Type						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated
Soil Conditions						3/9/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021
Sampling Date														
Semivolatile Organic Compounds (SVOCs)														
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	---	---	---	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	---	---	---	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	---	---	---	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	---	---	---	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	---	---	---	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---

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Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-51	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8
						0-1	0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0-1
Depth (feet)						Gravelly SAND	Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY		Silty CLAY	Silty CLAY	Sandy CLAY
Soil Type						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated
Soil Conditions						3/9/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021
Sampling Date														
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	---	---	---	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	---	---	---	---	---
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	---	---	---	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	---	---	---	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (PAHs)														
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-51	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8
Depth (feet)						0-1	0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0-1
Soil Type						Gravelly SAND	Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY		Silty CLAY	Silty CLAY	Sandy CLAY
Soil Conditions						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date						3/9/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021
Polychlorinated Biphenyls (PCBs)														
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	---	---	---	---	---	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	---	---	---	---	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	---	---	---	---	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	---	---	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	---	---	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---	---	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	---	---	---	---	---	---	---
RCRA Metals														
Arsenic	mg/Kg	6010B	0.584	0.677	3	---	---	---	---	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	---	---	---	---	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	---	---	---	---	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	---	---	---	---	---	---	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---
Oranochlorine Pesticides														
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	---	---	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	---	---	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	---	---	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	---	---	---	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	---	---	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	---	---	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	---	---	---	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	---	---	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	---	---	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	---	---	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	---	---	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	---	---	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	---	---	---	---
Herbicides														
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	---	---	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	---	---	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	---	---	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	---	---	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	---	---	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	SS-51	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8
						0-1	0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0-1
Depth (feet)						Gravelly SAND	Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY		Silty CLAY	Silty CLAY	Sandy CLAY
Soil Type						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated
Soil Conditions						3/9/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021
Sampling Date														
Method 537 (modified) - Fluorinated Alkyl Substances														
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
NEtFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
NEtFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018

BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

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

F1 = Matrix spike and/or matrix spike duplicate recovery exceeds control limits

B = Compound was found in the blank and sample

*+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased

* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene

*** = Combined established standard for NR 720 RCLs for groundwater protection

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	EB-IB-1	EB-IB-2	EB-IB-3
Depth (feet)						0.5-1.5	0.5-1.5	0.5-1.5
Soil Type								
Soil Conditions						Unsaturated	Moist	Unsaturated
Sampling Date						4/14/2021	4/14/2021	4/14/2021
Physical Characteristics								
Percent Moisture						10.4	13.1	10.9
Percent Solids						89.6	86.9	89.1
Volatile Organic Compounds (VOCs)								
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	<0.028	<0.030	<0.029
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	<0.023	<0.025	<0.024
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	<0.024	<0.026	<0.025
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	<0.021	<0.023	<0.022
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	<0.025	<0.026	<0.025
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	<0.024	<0.025	<0.024
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	<0.018	<0.019	<0.019
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	<0.028	<0.030	<0.028
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	<0.025	<0.027	<0.026
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	<0.021	<0.022	<0.021
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	0.028 J	<0.023	<0.022
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	<0.12	<0.13	<0.12
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	<0.023	<0.025	<0.024
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.020	<0.022	<0.021
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	<0.024	<0.025	<0.024
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	<0.026	<0.028	<0.027
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.023	<0.025	<0.024
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.024	<0.026	<0.025
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	<0.022	<0.023	<0.022
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.022	<0.024	<0.023
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	<0.027	<0.029	<0.028
2-Chlorotoluene	mg/Kg	8260B	---	907	907	<0.019	<0.020	<0.020
4-Chlorotoluene	mg/Kg	8260B	---	253	253	<0.021	<0.023	<0.022
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<0.0088	<0.0094	<0.0091
Bromobenzene	mg/Kg	8260B	---	342	679	<0.021	<0.023	<0.022
Bromochloromethane	mg/Kg	8260B	---	216	906	<0.026	<0.028	<0.027
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	<0.022	<0.024	<0.023
Bromoform	mg/Kg	8260B	0.0023	25.4	113	<0.029	<0.031	<0.030
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	<0.048	<0.051	<0.049
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	<0.023	<0.025	<0.024
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.023	<0.025	<0.024

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SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	EB-IB-1	EB-IB-2	EB-IB-3
						0.5-1.5	0.5-1.5	0.5-1.5
						Unsaturated	Moist	Unsaturated
						4/14/2021	4/14/2021	4/14/2021
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	<0.030 *+	<0.033 *+	<0.031 *+
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	<0.022	<0.024	<0.023
Chloromethane	mg/Kg	8260B	0.0155	159	669	<0.019	<0.021	<0.020
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	<0.025	<0.026	<0.025
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	<0.025	<0.027	<0.026
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	<0.029	<0.032	<0.030
Dibromomethane	mg/Kg	8260B	---	34	143	<0.016	<0.017	<0.017
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	<0.041	<0.044	<0.042
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.011	<0.012	<0.011
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	<0.027	<0.029	<0.028
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	<0.017	<0.018	<0.017
Isopropylbenzene	mg/Kg	8260B	---	268	268	<0.023	<0.025	<0.024
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	<0.024	<0.025	<0.024
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.098	<0.11	<0.10
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	0.044 J	0.027 J	<0.021
n-Butylbenzene	mg/Kg	8260B	---	108	108	<0.023	<0.025	<0.024
N-Propylbenzene	mg/Kg	8260B	---	264	264	<0.025	<0.027	<0.026
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	<0.022	<0.023	<0.022
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.024	<0.026	<0.025
Styrene	mg/Kg	8260B	0.22	867	867	<0.023	<0.025	<0.024
tert-Butylbenzene	mg/Kg	8260B	---	183	183	<0.024	<0.026	<0.025
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	<0.022	<0.024	<0.023
Toluene	mg/Kg	8260B	1.1072	818	818	0.018	<0.0095	<0.0091
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	<0.021	<0.023	<0.022
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	<0.022	<0.023	<0.022
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	1	18	14
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	<0.026	<0.028	<0.027
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	<0.016	<0.017	<0.016
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	0.046	<0.014	<0.014
Method 8260B - Volatile Organic Compounds - TCLP								
1,1-Dichloroethene	mg/L	8260B	---	---	---	<0.010	<0.010	<0.010
1,2-Dichloroethane	mg/L	8260B	---	---	---	<0.010	<0.010	<0.010
Benzene	mg/L	8260B	---	---	---	<0.010	<0.010	<0.010
Carbon tetrachloride	mg/L	8260B	---	---	---	<0.010	<0.010	<0.010
Chlorobenzene	mg/L	8260B	---	---	---	<0.010	<0.010	<0.010
Chloroform	mg/L	8260B	---	---	---	<0.020	<0.020	<0.020
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	<0.050	<0.050	<0.050
Tetrachloroethene	mg/L	8260B	---	---	---	<0.010	<0.010	<0.010
Trichloroethene	mg/L	8260B	---	---	---	<0.010	0.085	0.18
Vinyl Chloride	mg/L	8260B	---	---	---	<0.010	<0.010	<0.010

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	EB-IB-1	EB-IB-2	EB-IB-3
Depth (feet)						0.5-1.5	0.5-1.5	0.5-1.5
Soil Type								
Soil Conditions						Unsaturated	Moist	Unsaturated
Sampling Date						4/14/2021	4/14/2021	4/14/2021
Semivolatile Organic Compounds (SVOCs)								
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	EB-IB-1	EB-IB-2	EB-IB-3
						0.5-1.5	0.5-1.5	0.5-1.5
						Unsaturated	Moist	Unsaturated
						4/14/2021	4/14/2021	4/14/2021
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---
Polycyclic Aromatic Hydrocarbons (PAHs)								
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	EB-IB-1	EB-IB-2	EB-IB-3
						0.5-1.5	0.5-1.5	0.5-1.5
Depth (feet)						Unsaturated	Moist	Unsaturated
Soil Type						4/14/2021	4/14/2021	4/14/2021
Soil Conditions								
Sampling Date								
Polychlorinated Biphenyls (PCBs)								
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	---
RCRA Metals								
Arsenic	mg/Kg	6010B	0.584	0.677	3	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---
Oranochlorine Pesticides								
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---
Herbicides								
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---

**TABLE 1
SOIL ANALYTICAL SUMMARY
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	EB-IB-1	EB-IB-2	EB-IB-3
Depth (feet)						0.5-1.5	0.5-1.5	0.5-1.5
Soil Type								
Soil Conditions						Unsaturated	Moist	Unsaturated
Sampling Date						4/14/2021	4/14/2021	4/14/2021
Method 537 (modified) - Fluorinated Alkyl Substances								
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---
NEtFOSA	ug/Kg	537	---	---	---	---	---	---
NMeFOSA	ug/Kg	537	---	---	---	---	---	---
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/Kg	537	---	---	---	---	---	---
NMeFOSE	ug/Kg	537	---	---	---	---	---	---
NEtFOSE	ug/Kg	537	---	---	---	---	---	---
4:2 FTS	ug/Kg	537	---	---	---	---	---	---
6:2 FTS	ug/Kg	537	---	---	---	---	---	---
8:2 FTS	ug/Kg	537	---	---	---	---	---	---
10:2 FTS	ug/Kg	537	---	---	---	---	---	---
DONA	ug/Kg	537	---	---	---	---	---	---
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---
F-53B Major	ug/Kg	537	---	---	---	---	---	---
F-53B Minor	ug/Kg	537	---	---	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018

BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

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

F1 = Matrix spike and/or matrix spike duplicate recovery exceeds control limits

B = Compound was found in the blank and sample

*+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased

* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene

*** = Combined established standard for NR 720 RCLs for groundwater protection

ATTACHMENT A

Laboratory Data

ANALYTICAL REPORT

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

Laboratory Job ID: 500-197706-1

Client Project/Site: Community Within the Corridor - 40441

For:

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

Attn: Mr. Robert Reineke



Authorized for release by:
4/28/2021 1:57:04 PM

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

LINKS

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results through
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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Job ID: 500-197706-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-197706-1

Comments

No additional comments.

Receipt

The samples were received on 4/16/2021 9:15 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 3.3° C.

GC/MS VOA

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: EB-IB-2 (0.5'-1.5') (500-197706-3) and EB-IB-3 (0.5'-1.5') (500-197706-4). Elevated reporting limits (RLs) are provided.

Method 8260B: The method blank for preparation batch 594294 and the laboratory blank (LB3) for 593824 contained Chloroform and Methylene chloride. None of the samples associated with these blanks contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed. EB-IB-1 (0.5'-1.5') (500-197706-2), EB-IB-2 (0.5'-1.5') (500-197706-3), EB-IB-3 (0.5'-1.5') (500-197706-4) and T.B. (500-197706-5)

Method 8260B: The laboratory control sample (LCS) for 593824 recovered outside control limits for Chloroethane. This is a prepped 5035 LCS. All daily instrument LCSs were acceptable, and the data have been reported. EB-IB-1 (0.5'-1.5') (500-197706-2), EB-IB-2 (0.5'-1.5') (500-197706-3), EB-IB-3 (0.5'-1.5') (500-197706-4) and T.B. (500-197706-5)

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

Metals

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

Detection Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: VE-4 (0.5'-1.5')

Lab Sample ID: 500-197706-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.060		0.020	0.010	mg/L	20		8260B	TCLP

Client Sample ID: EB-IB-1 (0.5'-1.5')

Lab Sample ID: 500-197706-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.028	J	0.060	0.022	mg/Kg	50	⊛	8260B	Total/NA
Naphthalene	0.044	J	0.060	0.020	mg/Kg	50	⊛	8260B	Total/NA
Toluene	0.018		0.015	0.0089	mg/Kg	50	⊛	8260B	Total/NA
Trichloroethene	1.0		0.030	0.0099	mg/Kg	50	⊛	8260B	Total/NA
Xylenes, Total	0.046		0.030	0.013	mg/Kg	50	⊛	8260B	Total/NA

Client Sample ID: EB-IB-2 (0.5'-1.5')

Lab Sample ID: 500-197706-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.027	J	0.065	0.022	mg/Kg	50	⊛	8260B	Total/NA
Trichloroethene - DL	18		0.32	0.11	mg/Kg	500	⊛	8260B	Total/NA
Trichloroethene	0.085		0.020	0.010	mg/L	20		8260B	TCLP

Client Sample ID: EB-IB-3 (0.5'-1.5')

Lab Sample ID: 500-197706-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - DL	14		0.31	0.10	mg/Kg	500	⊛	8260B	Total/NA
Trichloroethene	0.18		0.020	0.010	mg/L	20		8260B	TCLP

Client Sample ID: T.B.

Lab Sample ID: 500-197706-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Zero Headspace Extraction	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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
Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-197706-1	VE-4 (0.5'-1.5')	Solid	04/14/21 15:00	04/16/21 09:15	
500-197706-2	EB-IB-1 (0.5'-1.5')	Solid	04/14/21 14:05	04/16/21 09:15	
500-197706-3	EB-IB-2 (0.5'-1.5')	Solid	04/14/21 14:35	04/16/21 09:15	
500-197706-4	EB-IB-3 (0.5'-1.5')	Solid	04/14/21 15:10	04/16/21 09:15	
500-197706-5	T.B.	Solid	04/14/21 00:00	04/16/21 09:15	

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: VE-4 (0.5'-1.5')

Lab Sample ID: 500-197706-1

Date Collected: 04/14/21 15:00

Matrix: Solid

Date Received: 04/16/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			04/27/21 12:34	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			04/27/21 12:34	20
Benzene	<0.010		0.020	0.010	mg/L			04/27/21 12:34	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			04/27/21 12:34	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			04/27/21 12:34	20
Chloroform	<0.020		0.040	0.020	mg/L			04/27/21 12:34	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			04/27/21 12:34	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			04/27/21 12:34	20
Trichloroethene	0.060		0.020	0.010	mg/L			04/27/21 12:34	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			04/27/21 12:34	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		04/27/21 12:34	20
4-Bromofluorobenzene (Surr)	90		72 - 124		04/27/21 12:34	20
Dibromofluoromethane (Surr)	108		75 - 120		04/27/21 12:34	20
Toluene-d8 (Surr)	98		75 - 120		04/27/21 12:34	20

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: EB-IB-1 (0.5'-1.5')

Lab Sample ID: 500-197706-2

Date Collected: 04/14/21 14:05

Matrix: Solid

Date Received: 04/16/21 09:15

Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.060	0.028	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,1,1-Trichloroethane	<0.023		0.060	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,1,2,2-Tetrachloroethane	<0.024		0.060	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,1,2-Trichloroethane	<0.021		0.060	0.021	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,1-Dichloroethane	<0.025		0.060	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,1-Dichloroethene	<0.024		0.060	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,1-Dichloropropene	<0.018		0.060	0.018	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2,3-Trichlorobenzene	<0.028		0.060	0.028	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2,4-Trichlorobenzene	<0.021		0.060	0.021	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2,4-Trimethylbenzene	0.028	J	0.060	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2-Dibromoethane	<0.023		0.060	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2-Dichlorobenzene	<0.020		0.060	0.020	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2-Dichloroethane	<0.024		0.060	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,3,5-Trimethylbenzene	<0.023		0.060	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,3-Dichlorobenzene	<0.024		0.060	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,3-Dichloropropane	<0.022		0.060	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
1,4-Dichlorobenzene	<0.022		0.060	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
2,2-Dichloropropane	<0.027		0.060	0.027	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
2-Chlorotoluene	<0.019		0.060	0.019	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
4-Chlorotoluene	<0.021		0.060	0.021	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Benzene	<0.0088		0.015	0.0088	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Bromobenzene	<0.021		0.060	0.021	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Bromochloromethane	<0.026		0.060	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Bromodichloromethane	<0.022		0.060	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Bromoform	<0.029		0.060	0.029	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Bromomethane	<0.048		0.18	0.048	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Carbon tetrachloride	<0.023		0.060	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Chlorobenzene	<0.023		0.060	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Chloroethane	<0.030	+	0.060	0.030	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Chloroform	<0.022		0.12	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Chloromethane	<0.019		0.060	0.019	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
cis-1,2-Dichloroethene	<0.025		0.060	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
cis-1,3-Dichloropropene	<0.025		0.060	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Dibromochloromethane	<0.029		0.060	0.029	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Dibromomethane	<0.016		0.060	0.016	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Hexachlorobutadiene	<0.027		0.060	0.027	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Isopropyl ether	<0.017		0.060	0.017	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Isopropylbenzene	<0.023		0.060	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Methyl tert-butyl ether	<0.024		0.060	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Methylene Chloride	<0.098		0.30	0.098	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
Naphthalene	0.044	J	0.060	0.020	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
n-Butylbenzene	<0.023		0.060	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
N-Propylbenzene	<0.025		0.060	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50
p-Isopropyltoluene	<0.022		0.060	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 15:34	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: EB-IB-1 (0.5'-1.5')

Lab Sample ID: 500-197706-2

Date Collected: 04/14/21 14:05

Matrix: Solid

Date Received: 04/16/21 09:15

Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
Styrene	<0.023		0.060	0.023	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
tert-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
Tetrachloroethene	<0.022		0.060	0.022	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
Toluene	0.018		0.015	0.0089	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
trans-1,2-Dichloroethene	<0.021		0.060	0.021	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
trans-1,3-Dichloropropene	<0.022		0.060	0.022	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
Trichloroethene	1.0		0.030	0.0099	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
Trichlorofluoromethane	<0.026		0.060	0.026	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
Vinyl chloride	<0.016		0.060	0.016	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50
Xylenes, Total	0.046		0.030	0.013	mg/Kg	☼	04/15/21 08:12	04/26/21 15:34	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 126	04/15/21 08:12	04/26/21 15:34	50
4-Bromofluorobenzene (Surr)	85		72 - 124	04/15/21 08:12	04/26/21 15:34	50
Dibromofluoromethane (Surr)	86		75 - 120	04/15/21 08:12	04/26/21 15:34	50
Toluene-d8 (Surr)	95		75 - 120	04/15/21 08:12	04/26/21 15:34	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			04/27/21 13:02	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			04/27/21 13:02	20
Benzene	<0.010		0.020	0.010	mg/L			04/27/21 13:02	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			04/27/21 13:02	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			04/27/21 13:02	20
Chloroform	<0.020		0.040	0.020	mg/L			04/27/21 13:02	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			04/27/21 13:02	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			04/27/21 13:02	20
Trichloroethene	<0.010		0.020	0.010	mg/L			04/27/21 13:02	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			04/27/21 13:02	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		04/27/21 13:02	20
4-Bromofluorobenzene (Surr)	90		72 - 124		04/27/21 13:02	20
Dibromofluoromethane (Surr)	108		75 - 120		04/27/21 13:02	20
Toluene-d8 (Surr)	98		75 - 120		04/27/21 13:02	20

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: EB-IB-2 (0.5'-1.5')

Lab Sample ID: 500-197706-3

Date Collected: 04/14/21 14:35

Matrix: Solid

Date Received: 04/16/21 09:15

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.065	0.030	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,1,2-Trichloroethane	<0.023		0.065	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,1-Dichloroethane	<0.026		0.065	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2-Dibromoethane	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2-Dichlorobenzene	<0.022		0.065	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2-Dichloroethane	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,2-Dichloropropane	<0.028		0.065	0.028	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,3-Dichlorobenzene	<0.026		0.065	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,3-Dichloropropane	<0.023		0.065	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
1,4-Dichlorobenzene	<0.024		0.065	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Benzene	<0.0094		0.016	0.0094	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Bromobenzene	<0.023		0.065	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Bromochloromethane	<0.028		0.065	0.028	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Bromodichloromethane	<0.024		0.065	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Bromoform	<0.031		0.065	0.031	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Chlorobenzene	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Chloroethane	<0.033	+	0.065	0.033	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
cis-1,2-Dichloroethene	<0.026		0.065	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Dibromochloromethane	<0.032		0.065	0.032	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Dibromomethane	<0.017		0.065	0.017	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Dichlorodifluoromethane	<0.044		0.19	0.044	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Methyl tert-butyl ether	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Methylene Chloride	<0.11		0.32	0.11	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Naphthalene	0.027	J	0.065	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
n-Butylbenzene	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
p-Isopropyltoluene	<0.023		0.065	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: EB-IB-2 (0.5'-1.5')

Lab Sample ID: 500-197706-3

Date Collected: 04/14/21 14:35

Matrix: Solid

Date Received: 04/16/21 09:15

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.065	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Styrene	<0.025		0.065	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Tetrachloroethene	<0.024		0.065	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Toluene	<0.0095		0.016	0.0095	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
trans-1,3-Dichloropropene	<0.023		0.065	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	✱	04/15/21 08:12	04/26/21 16:01	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 126	04/15/21 08:12	04/26/21 16:01	50
4-Bromofluorobenzene (Surr)	85		72 - 124	04/15/21 08:12	04/26/21 16:01	50
Dibromofluoromethane (Surr)	85		75 - 120	04/15/21 08:12	04/26/21 16:01	50
Toluene-d8 (Surr)	95		75 - 120	04/15/21 08:12	04/26/21 16:01	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	18		0.32	0.11	mg/Kg	✱	04/15/21 08:12	04/26/21 16:28	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 126	04/15/21 08:12	04/26/21 16:28	500
4-Bromofluorobenzene (Surr)	87		72 - 124	04/15/21 08:12	04/26/21 16:28	500
Dibromofluoromethane (Surr)	88		75 - 120	04/15/21 08:12	04/26/21 16:28	500
Toluene-d8 (Surr)	94		75 - 120	04/15/21 08:12	04/26/21 16:28	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			04/27/21 13:31	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			04/27/21 13:31	20
Benzene	<0.010		0.020	0.010	mg/L			04/27/21 13:31	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			04/27/21 13:31	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			04/27/21 13:31	20
Chloroform	<0.020		0.040	0.020	mg/L			04/27/21 13:31	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			04/27/21 13:31	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			04/27/21 13:31	20
Trichloroethene	0.085		0.020	0.010	mg/L			04/27/21 13:31	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			04/27/21 13:31	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		04/27/21 13:31	20
4-Bromofluorobenzene (Surr)	90		72 - 124		04/27/21 13:31	20
Dibromofluoromethane (Surr)	109		75 - 120		04/27/21 13:31	20
Toluene-d8 (Surr)	98		75 - 120		04/27/21 13:31	20

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: EB-IB-3 (0.5'-1.5')

Lab Sample ID: 500-197706-4

Date Collected: 04/14/21 15:10

Matrix: Solid

Date Received: 04/16/21 09:15

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,1,1-Trichloroethane	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,1-Dichloroethane	<0.025		0.062	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,1-Dichloropropene	<0.019		0.062	0.019	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2,3-Trichlorobenzene	<0.028		0.062	0.028	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,3,5-Trimethylbenzene	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,3-Dichloropropane	<0.022		0.062	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
1,4-Dichlorobenzene	<0.023		0.062	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
2,2-Dichloropropane	<0.028		0.062	0.028	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
2-Chlorotoluene	<0.020		0.062	0.020	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Benzene	<0.0091		0.016	0.0091	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Bromochloromethane	<0.027		0.062	0.027	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Bromoform	<0.030		0.062	0.030	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Bromomethane	<0.049		0.19	0.049	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Chloroethane	<0.031	+	0.062	0.031	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Methyl tert-butyl ether	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Methylene Chloride	<0.10		0.31	0.10	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50
p-Isopropyltoluene	<0.022		0.062	0.022	mg/Kg	✱	04/15/21 08:12	04/26/21 16:55	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: EB-IB-3 (0.5'-1.5')

Lab Sample ID: 500-197706-4

Date Collected: 04/14/21 15:10

Matrix: Solid

Date Received: 04/16/21 09:15

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
Styrene	<0.024		0.062	0.024	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
Toluene	<0.0091		0.016	0.0091	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
trans-1,3-Dichloropropene	<0.022		0.062	0.022	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
Trichlorofluoromethane	<0.027		0.062	0.027	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	✳	04/15/21 08:12	04/26/21 16:55	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 126	04/15/21 08:12	04/26/21 16:55	50
4-Bromofluorobenzene (Surr)	84		72 - 124	04/15/21 08:12	04/26/21 16:55	50
Dibromofluoromethane (Surr)	85		75 - 120	04/15/21 08:12	04/26/21 16:55	50
Toluene-d8 (Surr)	95		75 - 120	04/15/21 08:12	04/26/21 16:55	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	14		0.31	0.10	mg/Kg	✳	04/15/21 08:12	04/26/21 17:23	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 126	04/15/21 08:12	04/26/21 17:23	500
4-Bromofluorobenzene (Surr)	89		72 - 124	04/15/21 08:12	04/26/21 17:23	500
Dibromofluoromethane (Surr)	89		75 - 120	04/15/21 08:12	04/26/21 17:23	500
Toluene-d8 (Surr)	95		75 - 120	04/15/21 08:12	04/26/21 17:23	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			04/27/21 13:59	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			04/27/21 13:59	20
Benzene	<0.010		0.020	0.010	mg/L			04/27/21 13:59	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			04/27/21 13:59	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			04/27/21 13:59	20
Chloroform	<0.020		0.040	0.020	mg/L			04/27/21 13:59	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			04/27/21 13:59	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			04/27/21 13:59	20
Trichloroethene	0.18		0.020	0.010	mg/L			04/27/21 13:59	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			04/27/21 13:59	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		04/27/21 13:59	20
4-Bromofluorobenzene (Surr)	91		72 - 124		04/27/21 13:59	20
Dibromofluoromethane (Surr)	109		75 - 120		04/27/21 13:59	20
Toluene-d8 (Surr)	98		75 - 120		04/27/21 13:59	20

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: T.B.
Date Collected: 04/14/21 00:00
Date Received: 04/16/21 09:15

Lab Sample ID: 500-197706-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Chloroethane	<0.025	+	0.050	0.025	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: T.B.
Date Collected: 04/14/21 00:00
Date Received: 04/16/21 09:15

Lab Sample ID: 500-197706-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/15/21 08:12	04/26/21 11:55	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		75 - 126				04/15/21 08:12	04/26/21 11:55	50
4-Bromofluorobenzene (Surr)	87		72 - 124				04/15/21 08:12	04/26/21 11:55	50
Dibromofluoromethane (Surr)	84		75 - 120				04/15/21 08:12	04/26/21 11:55	50
Toluene-d8 (Surr)	94		75 - 120				04/15/21 08:12	04/26/21 11:55	50

Definitions/Glossary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.
α	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 - 40441

Job ID: 500-197706-1

GC/MS VOA

Prep Batch: 593824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197706-2	EB-IB-1 (0.5'-1.5')	Total/NA	Solid	5035	
500-197706-3 - DL	EB-IB-2 (0.5'-1.5')	Total/NA	Solid	5035	
500-197706-3	EB-IB-2 (0.5'-1.5')	Total/NA	Solid	5035	
500-197706-4	EB-IB-3 (0.5'-1.5')	Total/NA	Solid	5035	
500-197706-4 - DL	EB-IB-3 (0.5'-1.5')	Total/NA	Solid	5035	
500-197706-5	T.B.	Total/NA	Solid	5035	
LB3 500-593824/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-593824/20-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 594294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-593824/19-A	Method Blank	Total/NA	Solid	8260B	593824
MB 500-594294/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-593824/20-A	Lab Control Sample	Total/NA	Solid	8260B	593824
LCS 500-594294/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 595105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197706-2	EB-IB-1 (0.5'-1.5')	Total/NA	Solid	8260B	593824
500-197706-3	EB-IB-2 (0.5'-1.5')	Total/NA	Solid	8260B	593824
500-197706-3 - DL	EB-IB-2 (0.5'-1.5')	Total/NA	Solid	8260B	593824
500-197706-4	EB-IB-3 (0.5'-1.5')	Total/NA	Solid	8260B	593824
500-197706-4 - DL	EB-IB-3 (0.5'-1.5')	Total/NA	Solid	8260B	593824
500-197706-5	T.B.	Total/NA	Solid	8260B	593824
MB 500-595105/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-595105/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 595330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197706-1	VE-4 (0.5'-1.5')	TCLP	Solid	8260B	595337
500-197706-2	EB-IB-1 (0.5'-1.5')	TCLP	Solid	8260B	595337
500-197706-3	EB-IB-2 (0.5'-1.5')	TCLP	Solid	8260B	595337
500-197706-4	EB-IB-3 (0.5'-1.5')	TCLP	Solid	8260B	595337
LB 500-595337/1-A	Method Blank	TCLP	Solid	8260B	595337
MB 500-595330/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-595330/4	Lab Control Sample	Total/NA	Solid	8260B	

Leach Batch: 595337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197706-1	VE-4 (0.5'-1.5')	TCLP	Solid	1311	
500-197706-2	EB-IB-1 (0.5'-1.5')	TCLP	Solid	1311	
500-197706-3	EB-IB-2 (0.5'-1.5')	TCLP	Solid	1311	
500-197706-4	EB-IB-3 (0.5'-1.5')	TCLP	Solid	1311	
LB 500-595337/1-A	Method Blank	TCLP	Solid	1311	

General Chemistry

Analysis Batch: 594121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197706-2	EB-IB-1 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197706-3	EB-IB-2 (0.5'-1.5')	Total/NA	Solid	Moisture	

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QC Association Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

General Chemistry (Continued)

Analysis Batch: 594121 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197706-4	EB-IB-3 (0.5'-1.5')	Total/NA	Solid	Moisture	

1

2

3

4

5

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14

15

Surrogate Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-197706-2	EB-IB-1 (0.5'-1.5')	96	85	86	95
500-197706-3	EB-IB-2 (0.5'-1.5')	95	85	85	95
500-197706-3 - DL	EB-IB-2 (0.5'-1.5')	95	87	88	94
500-197706-4	EB-IB-3 (0.5'-1.5')	96	84	85	95
500-197706-4 - DL	EB-IB-3 (0.5'-1.5')	96	89	89	95
500-197706-5	T.B.	91	87	84	94
LB3 500-593824/19-A	Method Blank	105	89	108	94
LCS 500-593824/20-A	Lab Control Sample	99	87	103	101
LCS 500-594294/4	Lab Control Sample	101	89	102	100
LCS 500-595105/4	Lab Control Sample	93	86	91	96
LCS 500-595330/4	Lab Control Sample	95	88	101	99
MB 500-594294/6	Method Blank	103	93	105	98
MB 500-595105/6	Method Blank	95	88	88	95
MB 500-595330/6	Method Blank	100	91	107	99

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: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-197706-1	VE-4 (0.5'-1.5')	102	90	108	98
500-197706-2	EB-IB-1 (0.5'-1.5')	101	90	108	98
500-197706-3	EB-IB-2 (0.5'-1.5')	101	90	109	98
500-197706-4	EB-IB-3 (0.5'-1.5')	101	91	109	98
LB 500-595337/1-A	Method Blank	99	92	107	99

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: LB3 500-593824/19-A
Matrix: Solid
Analysis Batch: 594294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593824

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Chloroform	0.0248	J	0.10	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Methylene Chloride	0.394		0.25	0.082	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/21/21 11:33	50

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: LB3 500-593824/19-A
Matrix: Solid
Analysis Batch: 594294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593824

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/15/21 08:12	04/21/21 11:33	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/15/21 08:12	04/21/21 11:33	50

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	04/15/21 08:12	04/21/21 11:33	50
4-Bromofluorobenzene (Surr)	89		72 - 124	04/15/21 08:12	04/21/21 11:33	50
Dibromofluoromethane (Surr)	108		75 - 120	04/15/21 08:12	04/21/21 11:33	50
Toluene-d8 (Surr)	94		75 - 120	04/15/21 08:12	04/21/21 11:33	50

Lab Sample ID: LCS 500-593824/20-A
Matrix: Solid
Analysis Batch: 594294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1,2-Tetrachloroethane	2.50	2.79		mg/Kg		112	70 - 125
1,1,1-Trichloroethane	2.50	2.54		mg/Kg		102	70 - 125
1,1,1,2-Tetrachloroethane	2.50	2.48		mg/Kg		99	62 - 140
1,1,2-Trichloroethane	2.50	2.70		mg/Kg		108	71 - 130
1,1-Dichloroethane	2.50	2.65		mg/Kg		106	70 - 125
1,1-Dichloroethene	2.50	2.58		mg/Kg		103	67 - 122
1,1-Dichloropropene	2.50	2.50		mg/Kg		100	70 - 121
1,2,3-Trichlorobenzene	2.50	2.58		mg/Kg		103	51 - 145
1,2,3-Trichloropropane	2.50	2.55		mg/Kg		102	50 - 133
1,2,4-Trichlorobenzene	2.50	2.38		mg/Kg		95	57 - 137
1,2,4-Trimethylbenzene	2.50	2.43		mg/Kg		97	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	2.40		mg/Kg		96	56 - 123
1,2-Dibromoethane	2.50	2.61		mg/Kg		104	70 - 125
1,2-Dichlorobenzene	2.50	2.67		mg/Kg		107	70 - 125
1,2-Dichloroethane	2.50	2.64		mg/Kg		105	68 - 127
1,2-Dichloropropane	2.50	2.58		mg/Kg		103	67 - 130
1,3,5-Trimethylbenzene	2.50	2.44		mg/Kg		98	70 - 123
1,3-Dichlorobenzene	2.50	2.60		mg/Kg		104	70 - 125
1,3-Dichloropropane	2.50	2.67		mg/Kg		107	62 - 136
1,4-Dichlorobenzene	2.50	2.59		mg/Kg		104	70 - 120
2,2-Dichloropropane	2.50	2.30		mg/Kg		92	58 - 139
2-Chlorotoluene	2.50	2.40		mg/Kg		96	70 - 125
4-Chlorotoluene	2.50	2.47		mg/Kg		99	68 - 124
Benzene	2.50	2.66		mg/Kg		106	70 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: LCS 500-593824/20-A
Matrix: Solid
Analysis Batch: 594294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.63		mg/Kg		105	70 - 122
Bromochloromethane	2.50	2.78		mg/Kg		111	65 - 122
Bromodichloromethane	2.50	2.45		mg/Kg		98	69 - 120
Bromoform	2.50	2.73		mg/Kg		109	56 - 132
Bromomethane	2.50	3.32		mg/Kg		133	40 - 152
Carbon tetrachloride	2.50	2.52		mg/Kg		101	59 - 133
Chlorobenzene	2.50	2.72		mg/Kg		109	70 - 120
Chloroethane	2.50	3.49	*+	mg/Kg		140	48 - 136
Chloroform	2.50	2.64		mg/Kg		106	70 - 120
Chloromethane	2.50	2.67		mg/Kg		107	56 - 152
cis-1,2-Dichloroethene	2.50	2.59		mg/Kg		103	70 - 125
cis-1,3-Dichloropropene	2.50	2.47		mg/Kg		99	64 - 127
Dibromochloromethane	2.50	2.65		mg/Kg		106	68 - 125
Dibromomethane	2.50	2.65		mg/Kg		106	70 - 120
Dichlorodifluoromethane	2.50	2.12		mg/Kg		85	40 - 159
Ethylbenzene	2.50	2.56		mg/Kg		102	70 - 123
Hexachlorobutadiene	2.50	2.58		mg/Kg		103	51 - 150
Isopropylbenzene	2.50	2.39		mg/Kg		95	70 - 126
Methyl tert-butyl ether	2.50	2.42		mg/Kg		97	55 - 123
Methylene Chloride	2.50	2.89		mg/Kg		116	69 - 125
Naphthalene	2.50	2.42		mg/Kg		97	53 - 144
n-Butylbenzene	2.50	2.35		mg/Kg		94	68 - 125
N-Propylbenzene	2.50	2.46		mg/Kg		98	69 - 127
p-Isopropyltoluene	2.50	2.48		mg/Kg		99	70 - 125
sec-Butylbenzene	2.50	2.45		mg/Kg		98	70 - 123
Styrene	2.50	2.73		mg/Kg		109	70 - 120
tert-Butylbenzene	2.50	2.46		mg/Kg		99	70 - 121
Tetrachloroethene	2.50	2.84		mg/Kg		114	70 - 128
Toluene	2.50	2.68		mg/Kg		107	70 - 125
trans-1,2-Dichloroethene	2.50	2.71		mg/Kg		108	70 - 125
trans-1,3-Dichloropropene	2.50	2.35		mg/Kg		94	62 - 128
Trichloroethene	2.50	2.74		mg/Kg		110	70 - 125
Trichlorofluoromethane	2.50	2.71		mg/Kg		108	55 - 128
Vinyl chloride	2.50	2.59		mg/Kg		104	64 - 126
Xylenes, Total	5.00	4.99		mg/Kg		100	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		75 - 126
4-Bromofluorobenzene (Surr)	87		72 - 124
Dibromofluoromethane (Surr)	103		75 - 120
Toluene-d8 (Surr)	101		75 - 120

Lab Sample ID: MB 500-594294/6
Matrix: Solid
Analysis Batch: 594294

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	<0.00046		0.0010	0.00046	mg/Kg			04/21/21 10:40	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: MB 500-594294/6
Matrix: Solid
Analysis Batch: 594294

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/21/21 10:40	1
1,1,1,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/21/21 10:40	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/21/21 10:40	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/21/21 10:40	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/21/21 10:40	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/21/21 10:40	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/21/21 10:40	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/21/21 10:40	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/21/21 10:40	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/21 10:40	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/21/21 10:40	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/21 10:40	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/21/21 10:40	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/21 10:40	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/21/21 10:40	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/21 10:40	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/21 10:40	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/21/21 10:40	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/21 10:40	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/21/21 10:40	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/21/21 10:40	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/21/21 10:40	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/21/21 10:40	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/21 10:40	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/21 10:40	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/21/21 10:40	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/21/21 10:40	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/21/21 10:40	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/21/21 10:40	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/21 10:40	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/21/21 10:40	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/21/21 10:40	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/21/21 10:40	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/21/21 10:40	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/21/21 10:40	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/21/21 10:40	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/21/21 10:40	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/21/21 10:40	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/21/21 10:40	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/21/21 10:40	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/21/21 10:40	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/21 10:40	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/21/21 10:40	1
Methylene Chloride	0.00453	J	0.0050	0.0016	mg/Kg			04/21/21 10:40	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/21/21 10:40	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/21 10:40	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/21/21 10:40	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/21/21 10:40	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/21 10:40	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: MB 500-594294/6
Matrix: Solid
Analysis Batch: 594294

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/21/21 10:40	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/21 10:40	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/21/21 10:40	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/21/21 10:40	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/21/21 10:40	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/21/21 10:40	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/21/21 10:40	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/21 10:40	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/21/21 10:40	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/21/21 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		04/21/21 10:40	1
4-Bromofluorobenzene (Surr)	93		72 - 124		04/21/21 10:40	1
Dibromofluoromethane (Surr)	105		75 - 120		04/21/21 10:40	1
Toluene-d8 (Surr)	98		75 - 120		04/21/21 10:40	1

Lab Sample ID: LCS 500-594294/4
Matrix: Solid
Analysis Batch: 594294

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	0.0500	0.0516		mg/Kg		103	70 - 125
1,1,1-Trichloroethane	0.0500	0.0478		mg/Kg		96	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0509		mg/Kg		102	62 - 140
1,1,2-Trichloroethane	0.0500	0.0526		mg/Kg		105	71 - 130
1,1-Dichloroethane	0.0500	0.0486		mg/Kg		97	70 - 125
1,1-Dichloroethene	0.0500	0.0518		mg/Kg		104	67 - 122
1,1-Dichloropropene	0.0500	0.0475		mg/Kg		95	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0535		mg/Kg		107	51 - 145
1,2,3-Trichloropropane	0.0500	0.0534		mg/Kg		107	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0515		mg/Kg		103	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0470		mg/Kg		94	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0522		mg/Kg		104	56 - 123
1,2-Dibromoethane	0.0500	0.0514		mg/Kg		103	70 - 125
1,2-Dichlorobenzene	0.0500	0.0511		mg/Kg		102	70 - 125
1,2-Dichloroethane	0.0500	0.0503		mg/Kg		101	68 - 127
1,2-Dichloropropane	0.0500	0.0488		mg/Kg		98	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0474		mg/Kg		95	70 - 123
1,3-Dichlorobenzene	0.0500	0.0495		mg/Kg		99	70 - 125
1,3-Dichloropropane	0.0500	0.0512		mg/Kg		102	62 - 136
1,4-Dichlorobenzene	0.0500	0.0498		mg/Kg		100	70 - 120
2,2-Dichloropropane	0.0500	0.0454		mg/Kg		91	58 - 139
2-Chlorotoluene	0.0500	0.0467		mg/Kg		93	70 - 125
4-Chlorotoluene	0.0500	0.0469		mg/Kg		94	68 - 124
Benzene	0.0500	0.0487		mg/Kg		97	70 - 120
Bromobenzene	0.0500	0.0498		mg/Kg		100	70 - 122
Bromochloromethane	0.0500	0.0525		mg/Kg		105	65 - 122

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: LCS 500-594294/4
Matrix: Solid
Analysis Batch: 594294

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	0.0500	0.0463		mg/Kg		93	69 - 120
Bromoform	0.0500	0.0525		mg/Kg		105	56 - 132
Bromomethane	0.0500	0.0590		mg/Kg		118	40 - 152
Carbon tetrachloride	0.0500	0.0481		mg/Kg		96	59 - 133
Chlorobenzene	0.0500	0.0502		mg/Kg		100	70 - 120
Chloroethane	0.0500	0.0610		mg/Kg		122	48 - 136
Chloroform	0.0500	0.0478		mg/Kg		96	70 - 120
Chloromethane	0.0500	0.0454		mg/Kg		91	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0481		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0481		mg/Kg		96	64 - 127
Dibromochloromethane	0.0500	0.0502		mg/Kg		100	68 - 125
Dibromomethane	0.0500	0.0517		mg/Kg		103	70 - 120
Dichlorodifluoromethane	0.0500	0.0372		mg/Kg		74	40 - 159
Ethylbenzene	0.0500	0.0469		mg/Kg		94	70 - 123
Hexachlorobutadiene	0.0500	0.0524		mg/Kg		105	51 - 150
Isopropylbenzene	0.0500	0.0473		mg/Kg		95	70 - 126
Methyl tert-butyl ether	0.0500	0.0474		mg/Kg		95	55 - 123
Methylene Chloride	0.0500	0.0545		mg/Kg		109	69 - 125
Naphthalene	0.0500	0.0534		mg/Kg		107	53 - 144
n-Butylbenzene	0.0500	0.0477		mg/Kg		95	68 - 125
N-Propylbenzene	0.0500	0.0474		mg/Kg		95	69 - 127
p-Isopropyltoluene	0.0500	0.0490		mg/Kg		98	70 - 125
sec-Butylbenzene	0.0500	0.0481		mg/Kg		96	70 - 123
Styrene	0.0500	0.0477		mg/Kg		95	70 - 120
tert-Butylbenzene	0.0500	0.0479		mg/Kg		96	70 - 121
Tetrachloroethene	0.0500	0.0537		mg/Kg		107	70 - 128
Toluene	0.0500	0.0488		mg/Kg		98	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0505		mg/Kg		101	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0457		mg/Kg		91	62 - 128
Trichloroethene	0.0500	0.0512		mg/Kg		102	70 - 125
Trichlorofluoromethane	0.0500	0.0518		mg/Kg		104	55 - 128
Vinyl chloride	0.0500	0.0478		mg/Kg		96	64 - 126
Xylenes, Total	0.100	0.0915		mg/Kg		91	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		75 - 126
4-Bromofluorobenzene (Surr)	89		72 - 124
Dibromofluoromethane (Surr)	102		75 - 120
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: MB 500-595105/6
Matrix: Solid
Analysis Batch: 595105

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	<0.00046		0.0010	0.00046	mg/Kg			04/26/21 11:01	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/26/21 11:01	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/26/21 11:01	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: MB 500-595105/6
Matrix: Solid
Analysis Batch: 595105

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/26/21 11:01	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/26/21 11:01	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/26/21 11:01	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/26/21 11:01	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/26/21 11:01	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/26/21 11:01	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/26/21 11:01	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/26/21 11:01	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/26/21 11:01	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/26/21 11:01	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/26/21 11:01	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/26/21 11:01	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/26/21 11:01	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/26/21 11:01	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/26/21 11:01	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/26/21 11:01	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/26/21 11:01	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/26/21 11:01	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/26/21 11:01	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/26/21 11:01	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/26/21 11:01	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/26/21 11:01	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/26/21 11:01	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/26/21 11:01	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/26/21 11:01	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/26/21 11:01	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/26/21 11:01	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/26/21 11:01	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/26/21 11:01	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/26/21 11:01	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/26/21 11:01	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/26/21 11:01	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/26/21 11:01	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/26/21 11:01	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/26/21 11:01	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/26/21 11:01	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/26/21 11:01	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/26/21 11:01	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/26/21 11:01	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/26/21 11:01	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/26/21 11:01	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/26/21 11:01	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/26/21 11:01	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/26/21 11:01	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/26/21 11:01	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/26/21 11:01	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/26/21 11:01	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/26/21 11:01	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/26/21 11:01	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: MB 500-595105/6
Matrix: Solid
Analysis Batch: 595105

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/26/21 11:01	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/26/21 11:01	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/26/21 11:01	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/26/21 11:01	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/26/21 11:01	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/26/21 11:01	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/26/21 11:01	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/26/21 11:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		04/26/21 11:01	1
4-Bromofluorobenzene (Surr)	88		72 - 124		04/26/21 11:01	1
Dibromofluoromethane (Surr)	88		75 - 120		04/26/21 11:01	1
Toluene-d8 (Surr)	95		75 - 120		04/26/21 11:01	1

Lab Sample ID: LCS 500-595105/4
Matrix: Solid
Analysis Batch: 595105

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	0.0500	0.0440		mg/Kg		88	70 - 125
1,1,1-Trichloroethane	0.0500	0.0490		mg/Kg		98	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0371		mg/Kg		74	62 - 140
1,1,2-Trichloroethane	0.0500	0.0429		mg/Kg		86	71 - 130
1,1-Dichloroethane	0.0500	0.0447		mg/Kg		89	70 - 125
1,1-Dichloroethene	0.0500	0.0467		mg/Kg		93	67 - 122
1,1-Dichloropropene	0.0500	0.0485		mg/Kg		97	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0383		mg/Kg		77	51 - 145
1,2,3-Trichloropropane	0.0500	0.0384		mg/Kg		77	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0381		mg/Kg		76	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0449		mg/Kg		90	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0296		mg/Kg		59	56 - 123
1,2-Dibromoethane	0.0500	0.0408		mg/Kg		82	70 - 125
1,2-Dichlorobenzene	0.0500	0.0422		mg/Kg		84	70 - 125
1,2-Dichloroethane	0.0500	0.0461		mg/Kg		92	68 - 127
1,2-Dichloropropane	0.0500	0.0466		mg/Kg		93	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0453		mg/Kg		91	70 - 123
1,3-Dichlorobenzene	0.0500	0.0447		mg/Kg		89	70 - 125
1,3-Dichloropropane	0.0500	0.0429		mg/Kg		86	62 - 136
1,4-Dichlorobenzene	0.0500	0.0439		mg/Kg		88	70 - 120
2,2-Dichloropropane	0.0500	0.0511		mg/Kg		102	58 - 139
2-Chlorotoluene	0.0500	0.0448		mg/Kg		90	70 - 125
4-Chlorotoluene	0.0500	0.0451		mg/Kg		90	68 - 124
Benzene	0.0500	0.0475		mg/Kg		95	70 - 120
Bromobenzene	0.0500	0.0403		mg/Kg		81	70 - 122
Bromochloromethane	0.0500	0.0454		mg/Kg		91	65 - 122
Bromodichloromethane	0.0500	0.0432		mg/Kg		86	69 - 120
Bromoform	0.0500	0.0358		mg/Kg		72	56 - 132

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: LCS 500-595105/4
Matrix: Solid
Analysis Batch: 595105

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.0558		mg/Kg		112	40 - 152
Carbon tetrachloride	0.0500	0.0460		mg/Kg		92	59 - 133
Chlorobenzene	0.0500	0.0468		mg/Kg		94	70 - 120
Chloroethane	0.0500	0.0527		mg/Kg		105	48 - 136
Chloroform	0.0500	0.0454		mg/Kg		91	70 - 120
Chloromethane	0.0500	0.0462		mg/Kg		92	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0466		mg/Kg		93	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0412		mg/Kg		82	64 - 127
Dibromochloromethane	0.0500	0.0374		mg/Kg		75	68 - 125
Dibromomethane	0.0500	0.0460		mg/Kg		92	70 - 120
Dichlorodifluoromethane	0.0500	0.0529		mg/Kg		106	40 - 159
Ethylbenzene	0.0500	0.0502		mg/Kg		100	70 - 123
Hexachlorobutadiene	0.0500	0.0458		mg/Kg		92	51 - 150
Isopropylbenzene	0.0500	0.0455		mg/Kg		91	70 - 126
Methyl tert-butyl ether	0.0500	0.0446		mg/Kg		89	55 - 123
Methylene Chloride	0.0500	0.0429		mg/Kg		86	69 - 125
Naphthalene	0.0500	0.0366		mg/Kg		73	53 - 144
n-Butylbenzene	0.0500	0.0480		mg/Kg		96	68 - 125
N-Propylbenzene	0.0500	0.0468		mg/Kg		94	69 - 127
p-Isopropyltoluene	0.0500	0.0479		mg/Kg		96	70 - 125
sec-Butylbenzene	0.0500	0.0474		mg/Kg		95	70 - 123
Styrene	0.0500	0.0472		mg/Kg		94	70 - 120
tert-Butylbenzene	0.0500	0.0457		mg/Kg		91	70 - 121
Tetrachloroethene	0.0500	0.0500		mg/Kg		100	70 - 128
Toluene	0.0500	0.0474		mg/Kg		95	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0475		mg/Kg		95	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0388		mg/Kg		78	62 - 128
Trichloroethene	0.0500	0.0477		mg/Kg		95	70 - 125
Trichlorofluoromethane	0.0500	0.0435		mg/Kg		87	55 - 128
Vinyl chloride	0.0500	0.0518		mg/Kg		104	64 - 126
Xylenes, Total	0.100	0.102		mg/Kg		102	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		75 - 126
4-Bromofluorobenzene (Surr)	86		72 - 124
Dibromofluoromethane (Surr)	91		75 - 120
Toluene-d8 (Surr)	96		75 - 120

Lab Sample ID: MB 500-595330/6
Matrix: Solid
Analysis Batch: 595330

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.00050		0.0010	0.00050	mg/L			04/27/21 11:03	1
Methyl Ethyl Ketone	<0.0025		0.0050	0.0025	mg/L			04/27/21 11:03	1
1,2-Dichloroethane	<0.00050		0.0010	0.00050	mg/L			04/27/21 11:03	1
Benzene	<0.00050		0.0010	0.00050	mg/L			04/27/21 11:03	1
Carbon tetrachloride	<0.00050		0.0010	0.00050	mg/L			04/27/21 11:03	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: MB 500-595330/6
Matrix: Solid
Analysis Batch: 595330

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<0.00050		0.0010	0.00050	mg/L			04/27/21 11:03	1
Chloroform	<0.0010		0.0020	0.0010	mg/L			04/27/21 11:03	1
Tetrachloroethene	<0.00050		0.0010	0.00050	mg/L			04/27/21 11:03	1
Trichloroethene	<0.00050		0.0010	0.00050	mg/L			04/27/21 11:03	1
Vinyl chloride	<0.00050		0.0010	0.00050	mg/L			04/27/21 11:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		04/27/21 11:03	1
4-Bromofluorobenzene (Surr)	91		72 - 124		04/27/21 11:03	1
Dibromofluoromethane (Surr)	107		75 - 120		04/27/21 11:03	1
Toluene-d8 (Surr)	99		75 - 120		04/27/21 11:03	1

Lab Sample ID: LCS 500-595330/4
Matrix: Solid
Analysis Batch: 595330

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0500	0.0522		mg/L		104	67 - 122
Methyl Ethyl Ketone	0.0500	0.0385		mg/L		77	46 - 144
1,2-Dichloroethane	0.0500	0.0480		mg/L		96	68 - 127
Benzene	0.0500	0.0552		mg/L		110	70 - 120
Carbon tetrachloride	0.0500	0.0524		mg/L		105	59 - 133
Chlorobenzene	0.0500	0.0522		mg/L		104	70 - 120
Chloroform	0.0500	0.0493		mg/L		99	70 - 120
Tetrachloroethene	0.0500	0.0523		mg/L		105	70 - 128
Trichloroethene	0.0500	0.0552		mg/L		110	70 - 125
Vinyl chloride	0.0500	0.0466		mg/L		93	64 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		75 - 126
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
Toluene-d8 (Surr)	99		75 - 120

Lab Sample ID: LB 500-595337/1-A
Matrix: Solid
Analysis Batch: 595330

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			04/27/21 11:37	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			04/27/21 11:37	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			04/27/21 11:37	20
Benzene	<0.010		0.020	0.010	mg/L			04/27/21 11:37	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			04/27/21 11:37	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			04/27/21 11:37	20
Chloroform	<0.020		0.040	0.020	mg/L			04/27/21 11:37	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			04/27/21 11:37	20
Trichloroethene	<0.010		0.020	0.010	mg/L			04/27/21 11:37	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

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

Lab Sample ID: LB 500-595337/1-A
Matrix: Solid
Analysis Batch: 595330

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.010		0.020	0.010	mg/L			04/27/21 11:37	20
<hr/>									
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 126					04/27/21 11:37	20
4-Bromofluorobenzene (Surr)	92		72 - 124					04/27/21 11:37	20
Dibromofluoromethane (Surr)	107		75 - 120					04/27/21 11:37	20
Toluene-d8 (Surr)	99		75 - 120					04/27/21 11:37	20



Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: VE-4 (0.5'-1.5')
 Date Collected: 04/14/21 15:00
 Date Received: 04/16/21 09:15

Lab Sample ID: 500-197706-1
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			595337	04/26/21 14:58	OAJ	TAL CHI
TCLP	Analysis	8260B		20	595330	04/27/21 12:34	PMF	TAL CHI

Client Sample ID: EB-IB-1 (0.5'-1.5')
 Date Collected: 04/14/21 14:05
 Date Received: 04/16/21 09:15

Lab Sample ID: 500-197706-2
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			595337	04/26/21 14:58	OAJ	TAL CHI
TCLP	Analysis	8260B		20	595330	04/27/21 13:02	PMF	TAL CHI
Total/NA	Analysis	Moisture		1	594121	04/20/21 09:32	LWN	TAL CHI

Client Sample ID: EB-IB-1 (0.5'-1.5')
 Date Collected: 04/14/21 14:05
 Date Received: 04/16/21 09:15

Lab Sample ID: 500-197706-2
 Matrix: Solid
 Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			593824	04/15/21 08:12	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595105	04/26/21 15:34	PMF	TAL CHI

Client Sample ID: EB-IB-2 (0.5'-1.5')
 Date Collected: 04/14/21 14:35
 Date Received: 04/16/21 09:15

Lab Sample ID: 500-197706-3
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			595337	04/26/21 14:58	OAJ	TAL CHI
TCLP	Analysis	8260B		20	595330	04/27/21 13:31	PMF	TAL CHI
Total/NA	Analysis	Moisture		1	594121	04/20/21 09:32	LWN	TAL CHI

Client Sample ID: EB-IB-2 (0.5'-1.5')
 Date Collected: 04/14/21 14:35
 Date Received: 04/16/21 09:15

Lab Sample ID: 500-197706-3
 Matrix: Solid
 Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			593824	04/15/21 08:12	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595105	04/26/21 16:01	PMF	TAL CHI
Total/NA	Prep	5035	DL		593824	04/15/21 08:12	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	595105	04/26/21 16:28	PMF	TAL CHI

Client Sample ID: EB-IB-3 (0.5'-1.5')
 Date Collected: 04/14/21 15:10
 Date Received: 04/16/21 09:15

Lab Sample ID: 500-197706-4
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			595337	04/26/21 14:58	OAJ	TAL CHI
TCLP	Analysis	8260B		20	595330	04/27/21 13:59	PMF	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Client Sample ID: EB-IB-3 (0.5'-1.5')

Lab Sample ID: 500-197706-4

Date Collected: 04/14/21 15:10

Matrix: Solid

Date Received: 04/16/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	594121	04/20/21 09:32	LWN	TAL CHI

Client Sample ID: EB-IB-3 (0.5'-1.5')

Lab Sample ID: 500-197706-4

Date Collected: 04/14/21 15:10

Matrix: Solid

Date Received: 04/16/21 09:15

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			593824	04/15/21 08:12	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595105	04/26/21 16:55	PMF	TAL CHI
Total/NA	Prep	5035	DL		593824	04/15/21 08:12	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	595105	04/26/21 17:23	PMF	TAL CHI

Client Sample ID: T.B.

Lab Sample ID: 500-197706-5

Date Collected: 04/14/21 00:00

Matrix: Solid

Date Received: 04/16/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			593824	04/15/21 08:12	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595105	04/26/21 11:55	PMF	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
Project/Site: Community Within the Corridor - 40441

Job ID: 500-197706-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

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



500-197706

Sample Collector(s) Kyle Vander Heiden	Title Staff Geologist	Telephone # (incl area code) (262) 821 1171	Report To Kyle Vander Heiden & Robert Reineke
Property Owner Community Within the Corridor Limited Partnership	Property Address 2748 North 32nd Street, Milwaukee WI	Telephone # (incl area code) N/A	KSingh Project # 40441

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

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 4/15/2021 @ 3:10PM	Received By (Signature) <i>[Signature]</i>	Temperature Blank. <u>41-333</u> 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) <i>[Signature]</i>	Date/Time 4-15-21 17:00	Received By (Signature) <i>[Signature]</i>	4/16/21 0915

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	Type (1)	Device	Location/Description (2)	VOCs	TCLP VOCs								HCL	--	Unpres	Other Comment
4/14/2021	15 00	S	H A	VE-4 (0.5 - 1.5')		x								0		1	
4/14/2021	14 05	S	H A	EB-IB-1 (0.5 - 1.5')	x	x								1		2	
4/14/2021	14 35	S	H A	EB-IB-2 (0.5' - 1.5')	x	x								1		2	
4/14/2021	15 10	S	H A	EB-IB-3 (0.5 - 1.5')	x	x								1		2	
--	--	--	--	T B	x									1		0	

NOTE(S) Please hold TCLP VOC samples EB-IB-1 EB-IB-2 and EB-IB-3 pending results of VOC analysis

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES Disposition of unused portion of sample Laboratory should (check) <input type="checkbox"/> Dispose <input type="checkbox"/> Return <input checked="" type="checkbox"/> Retain for <input type="checkbox"/> Other 30 (days)	DEPARTMENT USE ONLY Split Samples Offered <input type="checkbox"/> Y <input type="checkbox"/> N Accepted By Accepted <input type="checkbox"/> Y <input type="checkbox"/> N Signature
---	---

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Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-197706-1

SDG Number:

Login Number: 197706

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

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	3.3
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ATTACHMENT B

Form 4430-019 Remediation Site Hazardous Waste Determination

Notice: This voluntary form is intended as an aid for use by Generators and Responsible Parties in determining whether *contaminated soil or groundwater and wastes* encountered or generated during the remediation of contaminated sites in Wisconsin are or would be listed or characteristic hazardous wastes subject to regulation under ch. 291, Wis. Stats. and chs. NR 600 to 690, Wis. Adm. Code. There are no penalties for failure to provide information requested. Personally identifiable information collected will be used for program management. Wisconsin's Open Records law requires the Department to provide this information upon request [ss. 19.31 - 19.69, Wis. Stats.].

Listing determinations are often particularly difficult in the remedial context because the listings are generally identified by the sources of the hazardous wastes rather than the concentrations of various hazardous constituents. Therefore, analytical testing alone, without information on a waste's source, will not generally produce information that will conclusively indicate whether a given waste is a listed hazardous waste. Generators and Responsible Parties should use available site information such as material safety data sheets (MSDS's), manifests, vouchers, bills of lading, sales and inventory records, accident reports, spill reports, inspection reports, and other available information. It may also be necessary to conduct interviews of current or former personnel who would have knowledge of the processes and hazardous materials used including waste handling or past spills in an effort to ascertain the sources of wastes or contaminants.

Where a person makes a good faith effort to determine if a material is a listed hazardous waste but cannot make such a determination because documentation regarding a source of contamination, contaminant, or waste is unavailable or inconclusive, EPA has stated that one may assume the source, contaminant or waste is not listed hazardous waste and, therefore, provided the material in question does not exhibit a characteristic of hazardous waste, RCRA requirements do not apply.

Generator Information

Generator's Name Community Within the Corridor Limited Partnership	Preparer's Name Robert Reineke, PE / K. Singh & Associates, Inc.
Address 110 Cheshire Lane, Suite 120	Address 3636 N 124th Street
City, State and ZIP Code Minnetonka, MN 55305	City, State and ZIP Code Wauwatosa, WI 53122
Telephone Number (763) 285-8795	Telephone Number (262) 821-1171

Site Information

Site Name Community Within the Corridor - East Block	Other name(s) site is known by
Address 2748 N 32nd Street	County Milwaukee
Located in the City, Town or Village ZIP Code Milwaukee, WI 53210	

Hazardous Waste Determination Information Reviewed

Listed Hazardous Waste Determination

Manifests reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Vouchers reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
Bills of lading reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Sales and inventory records reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
Material safety data sheets <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Accident reports reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
Spill reports reviewed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input type="checkbox"/> None Available	Inspection reports reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
DNR's case files reviewed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input type="checkbox"/> None Available	Interviewed current and/or former employees who are likely to know about the use and/or disposal of the chemical or waste of concern (not just managers). <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available

Remediation Site Hazardous Waste Determination

Form 4430-019 (R 4/03)

Page 2 of 2

Hazardous Waste Determination Information Reviewed (continued)

Other information considered (provide description)

Yes

No

None Found

None Available

Briggs and Stratton Industrial Campus, Historic Preservation Certification Application Part 1 – Evaluation of Significance, (given to KSingh by Roers Companies), no date included.

Phase I Environmental Site Assessment, Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated March 10, 2020.

Phase II Environmental Site Assessment (ESA) Phase II Environmental Site Assessment Report for Community Within the Corridor, located at 2748 N 32nd Street, 3212 West Center Street, 2727 N 32nd Street, 2758 N 33rd Street, 2784 N 32nd Street, Milwaukee, Milwaukee County, Wisconsin prepared by K. Singh & Associates, Inc., May 24, 2020.

BRRTS No. 04-41-550446 Wisconsin Industries Pension - Spill (Closed)

BRRTS No. 03-41-000793 Jonas Construction - LUST (Closed)

BRRTS No. 02-41-304988 Briggs and Stratton Facility (Former) - ERP (Closed)

BRRTS No. 02-41-263675 Community Within the Corridor - East Block - ERP (Open)

Characteristic Hazardous Waste Determination

Identified location(s)

VE-4

EB-IB-2

EB-IB-3

Testing results

TCE - Total 13 mg/kg, TCLP 0.06 mg/L

TCE - Total 18 mg/kg, TCLP 0.085 mg/L

TCE - Total 14 mg/kg, TCLP 0.18 mg/L

Certification

I certify that the information documented above in the "Information reviewed to make a hazardous waste determination" section was developed and used as part of a good faith effort to make a hazardous waste determination. Reasonable diligence was used in collecting the information, evaluating the information, and using the compiled information. I certify that this document is true and correct to the best of my knowledge, and that I have authority to make this certification.

Name and Title

Robert T. Reineke, PE - Senior Engineer

Signature



Date

5/7/2021