

March 24, 2021

Ms. Jennifer Dorman  
Wisconsin Department of Natural Resources  
2300 N. Dr. Martin Luther King Dr.  
Milwaukee, WI 53212-3128

**Project # 40420**

**Subject: Additional Soils Investigation  
The Community Within the Corridor Development (East Block)  
Former Wisconsin Industries Pension Plan & Trust  
2748 N 32nd Street, Milwaukee, WI 53208  
BRRTS # 02-41-263675 FID 241025400**

Dear Ms. Dorman:

On behalf of the Community Within the Corridor Limited Partnership (CWC), K. Singh & Associates (KSingh) is pleased to report the results of additional soil sampling at the referenced facility. Soil sampling was conducted within the East Block of the referenced facility concurrent to a sub-slab vapor (SSV) investigation for a better understanding of the extent of soil contamination beneath the concrete slab.

### **Project Background**

The CWC facility is being developed for two individual properties: East Block (2748 N. 32<sup>nd</sup> Street and 2784 N. 32<sup>nd</sup> Street) and West Block (3212 W. Center Street, 2727 N. 32<sup>nd</sup> Street, and 2758 N. 33<sup>rd</sup> Street).

Historically, the East Block of the facility served various industrial purposes for over 100 years. The East Block building complex was recently used as storage and is currently vacant but planned construction for redevelopment started in February 2021 which entails affordable housing, commercial space, and other amenities in the former industrial complex. An aerial view of the facility is shown on Figure 1.

A historic hazardous discharge existed on the facility at 2748 N. 32<sup>nd</sup> Street, addressed under BRRTS # 02-41-263675, was closed in August 2008 with continuing obligations applied to closure which include maintaining a cap over the contaminated area and mitigating the soil vapor concentrations. The contaminated area was not excavated due to existing structural impediments over the area of concern.

KSingh performed a Phase II Environmental Site Assessment (ESA) to identify and provide information regarding potential impacts within the facility from historical land use in April 2020. Soil borings B-7 to B-12 were performed to depths of two to eleven feet below ground surface between April 10 and April 23, 2020 to assess areas of contamination in the East Block of the facility. Soil samples were collected and analyzed for volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), Resource Conservation and Recovery Act (RCRA) metals, organochlorine pesticides (pesticides), and/or herbicides. Additionally, soil boring B-16 was collected adjacent to soil boring B-8 at a depth of seven to eight feet below ground surface on June 25, 2020 and analyzed for fluorinated alkyl substances (PFAS).

As part of the Sub-Slab Vapor Investigation Workplan submitted to the Wisconsin Department of Natural Resources November 12, 2020, soil samples were recommended to be collected and analyzed for VOCs in the East Block of the facility to evaluate the distribution of trichloroethylene (TCE).

## **Sub-Surface Data Collection**

### *Soil Sampling Collection*

Soil samples were collected at eighteen (18) designated sub-slab vapor (SSV) and vapor extraction (VE) locations between February 24 and March 9, 2021 and tested for VOCs. Sampling was performed using the existing penetrations into the sub-slab from SSV locations or VE locations utilized during a concurrent feasibility study and collected using a 0.5-inch diameter soil sampling probe to a depth of one-foot below ground surface. Locations of all soil sampling locations are shown on Figure 2.

## **Sub-Surface Analytical Results**

### *Results of Soil Sampling*

Eurofins TestAmerica Laboratories, Inc. (TestAmerica) analyzed the soil samples for VOCs in accordance with EPA Method 8260B. The reported data was reviewed and was within quality control objectives. TestAmerica's laboratory report is included in Attachment A and summarized in Table 1. Contaminants of concern were identified and are summarized in Table 2.

The findings of the soil sampling activities performed between February 24 and March 9, 2021 are described as follows:

- 1,1,1-Trichloroethane was detected in sample VE-2 exceeding its Groundwater Protection RCL of 0.1402 milligrams per kilogram (mg/kg) with a concentration of 2.0 mg/kg.
- 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene were detected in samples SS-1 and VE-2 exceeding their combined Groundwater Protection RCL of 1.3787 mg/kg with concentrations ranging from 2.72 mg/kg to 9.13 mg/kg.
- Benzene was detected in samples SS-1, SS-6, and SS-48 exceeding its Groundwater Protection RCL of 0.0051 mg/kg with concentrations ranging from 0.011 mg/kg to 0.39 mg/kg.
- Cis-1,2-Dichloroethene was detected in samples SS-1, SS-6, VE-1, and VE-2 exceeding its Groundwater Protection RCL of 0.412 mg/kg with concentrations ranging from 0.097 mg/kg to 7.9 mg/kg.
- Naphthalene was detected in sample SS-1 exceeding its Groundwater Protection RCL of 0.6582 mg/kg at a concentration of 1.2 mg/kg.
- Styrene was detected in sample SS-48 exceeding its groundwater protection RCL of 0.22 mg/Kg with a concentration of 92 mg/kg.
- Tetrachloroethene (PCE) was detected in samples SS-26, VE-7, and VE-8 exceeding its Groundwater Protection RCL of 0.0045 mg/Kg with concentrations ranging from 0.076 mg/kg to 0.19 mg/kg.
- Trans-1,2-Dichloroethene was detected in sample VE-2 exceeding its Groundwater Protection RCL of 0.0626 mg/Kg with a result of 0.15 mg/kg.
- Trichloroethene (TCE) was detected in samples SS-6, SS-17, SS-19, SS-26, SS-32, SS-51, VE-1, VE-2, VE-3, VE-4, and VE-7 exceeding its Groundwater Protection RCL of 0.0036 mg/Kg, in samples SS-26, VE-2, and VE-4 exceeding its Non-Industrial Direct Contact Protection RCL of 1.3 mg/Kg, and in sample VE-4 exceeding its Industrial Direct Contact Protection RCL of 8.41 mg/Kg with TCE results ranging between 0.025 mg/kg and 13 mg/kg.

- Vinyl Chloride was detected in sample SS-1 exceeding its Groundwater Protection RCL of 0.0001 mg/kg with a concentration of 0.23 mg/kg.
- All other detections were below their respective RCLs.

Results of the soil sampling for VOCs are shown on Figure 3. Soil sampling results including PAHs, SVOCs, PCBs, RCRA metals, pesticides, and herbicides are shown on Figure 4. Widespread VOCs contaminants are present beneath the subsurface of the East Block. It is recommended that a Site Investigation Work Plan be prepared to delineate the extent of soil and groundwater contamination in accordance with the requirements of NR 716. The Site Investigation Work Plan will incorporate historic and current test results in delineating contamination extents. Monitoring wells exterior to the building will be recommended.

### Conclusions

- 1,1,1-Trichloroethane, 1,2,4-Trimethylbenzene, Benzene, Cis-1,2-Dichloroethene, Naphthalene, Styrene, PCE, Trans-1,2-Dichloroethene, and TCE were detected in soil samples exceeding their respective Groundwater Protection RCLs.
- TCE and Vinyl Chloride were detected in soil samples exceeding their respective Non-Industrial Direct Contact Protection RCLs.
- TCE was detected in one soil sample exceeding its respective Industrial Direct Contact Protection RCL.
- Widespread chlorinated VOC contamination is present beneath the East Block building footprint exceeding Groundwater Protection RCLs.
- Chlorinated VOC contamination exceeding Non-Industrial / Industrial Direct Contact RCLs are identifiable in the northern parking lot and to the west of the East Block facility.

### Recommendations

- A Site Investigation Work Plan is recommended to be prepared to delineate the extent of soil and groundwater contamination in accordance with the requirements of NR 716 with a focus on delineation of contamination outside the building.

Please call us at (262) 821-1171 if you have any questions regarding information provided within this submittal.

Sincerely,

K. SINGH & ASSOCIATES, INC.



Kyle Vander Heiden  
Staff Geologist



Aileen Zebrowski, E.I.T.  
Staff Engineer



Robert T. Reineke, P.E.  
Project Manager

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

Figure 1: Aerial Photograph  
Figure 2: Soil Sampling Locations  
Figure 3: Soil Analytical Results for VOCs  
Figure 9: Additional Soil Analytical Results

Table 1: Soil Analytical Test Results  
Table 2: Soil Analytical Test Results - Contaminants of Concern

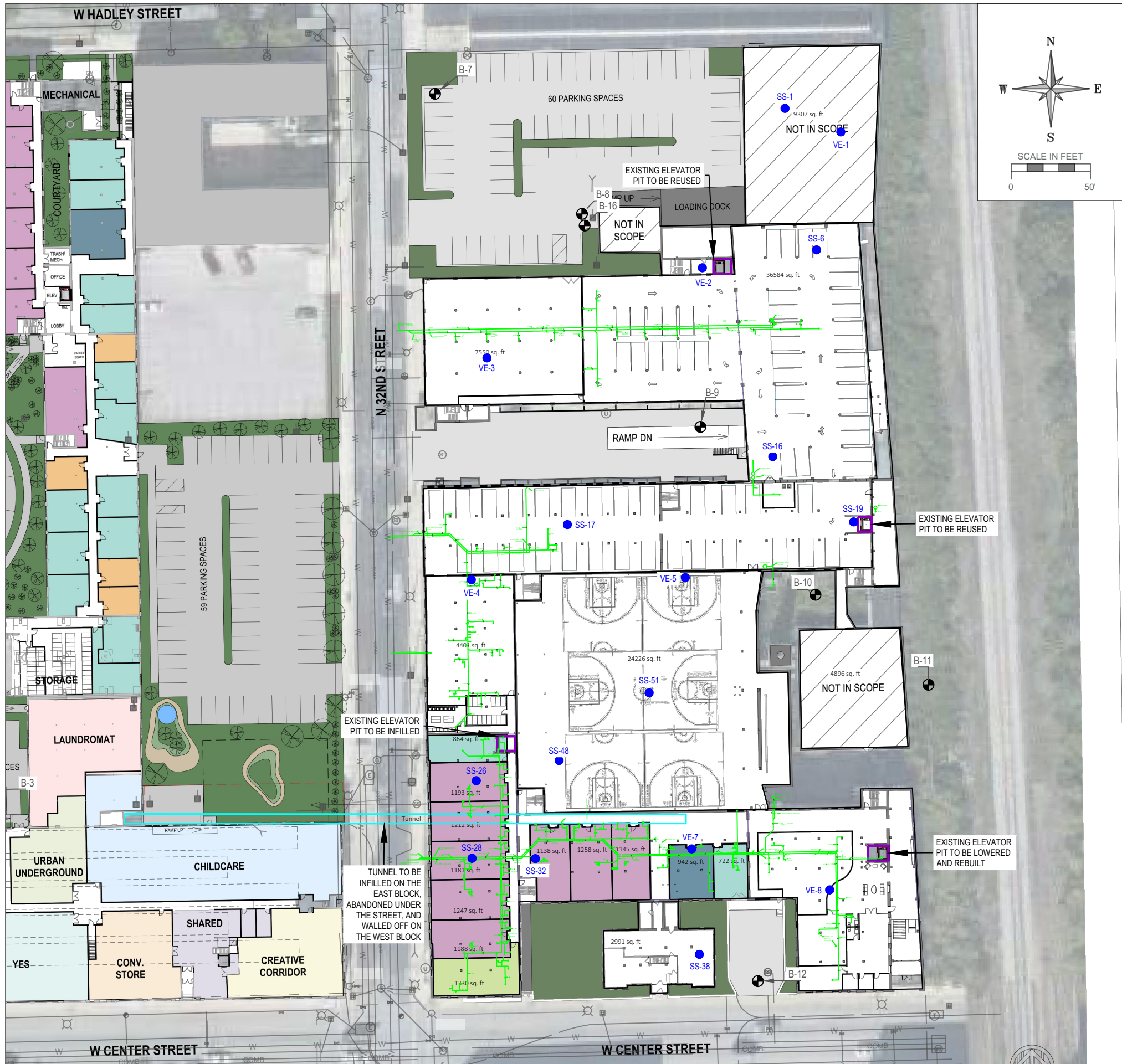
Attachment A: Eurofins TestAmerica Laboratories, Inc. Laboratory Reports

## FIGURES



Figure 1. Aerial Photograph

Scale: 1 inch = 83 feet



**LEGEND**

- SS and VE 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

NOTE:  
 ● COMBINATION OF EXISTING AND PROPOSED PLUMBING

CONSULTANT

CONSULTANT

CONSULTANT

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR  
 MILWAUKEE, WI  
 PROJECT NUMBER: 40420

CLIENT:  
 COMMUNITY WITHIN THE CORRIDOR LIMITED  
 PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY AMZ	DATE 03/24/2021
CHECKED BY RTR	DATE 03/24/2021

SHEET TITLE  
 SOIL SAMPLING LOCATIONS

**FIGURE 2**



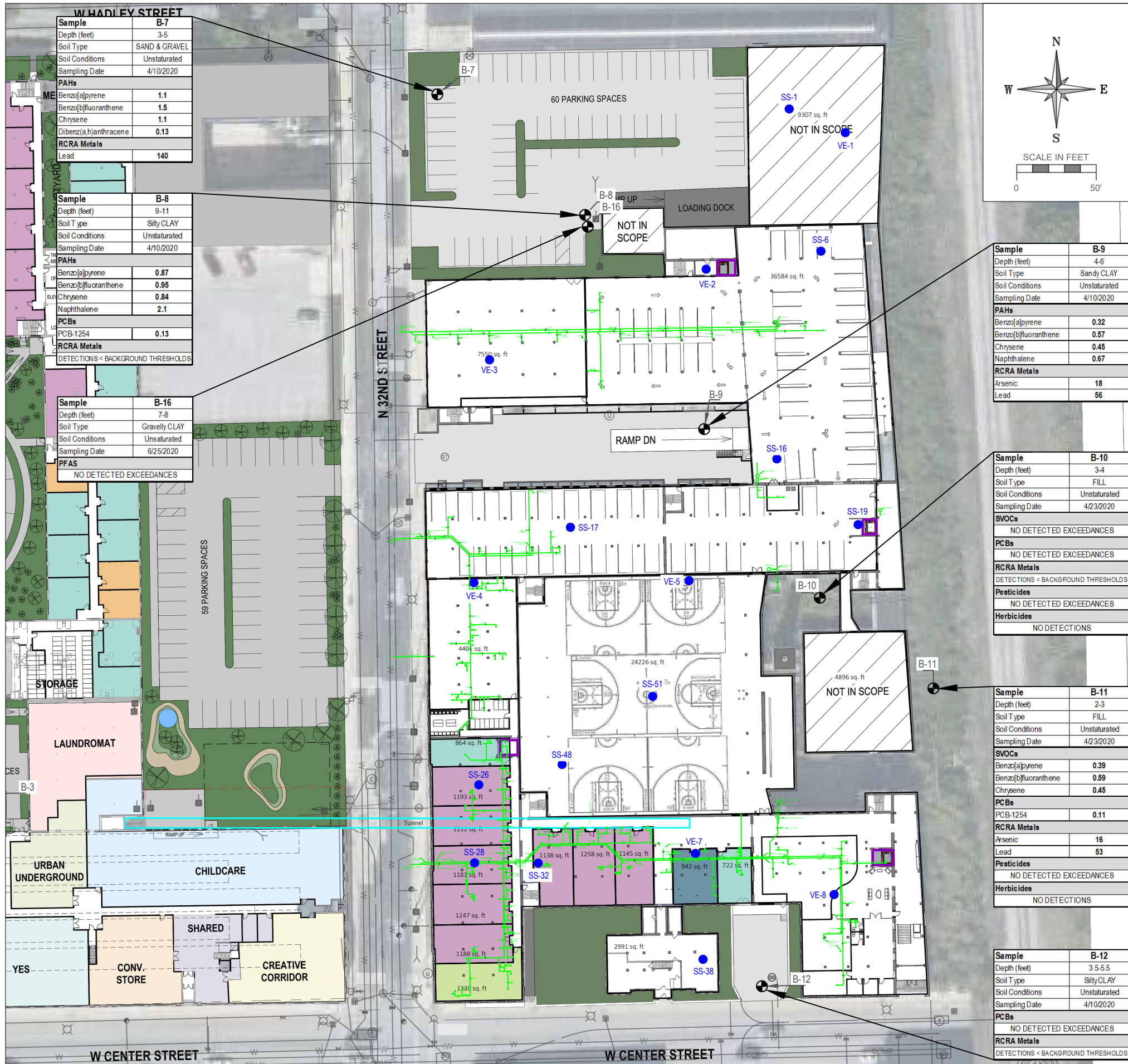


REVISIONS	DATE	DESCRIPTION

DRAWN BY AMZ	DATE 03/24/2021
CHECKED BY RTR	DATE 03/24/2021

SHEET TITLE  
ADDITIONAL SOIL ANALYTICAL RESULTS

**FIGURE 4**



**LEGEND**

- SS and VE 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

NOTE:  
● COMBINATION OF EXISTING AND PROPOSED PLUMBING

Analyte	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>Semivolatile Organic Compounds (SVOCs)</b>				
Benzo[a]pyrene	0.47	0.115	2.11	—
Benzo[b]fluoranthene	0.4781	1.15	21.1	—
Chrysene	0.1442	115	2110	—
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>				
Benzo[a]pyrene	0.47	0.115	2.11	—
Benzo[b]fluoranthene	0.4781	1.15	21.1	—
Chrysene	0.1442	115	2110	—
Dibenz(a,h)anthracene	—	0.115	2	—
Naphthalene	0.6582	5.52	24.1	—
<b>Polychlorinated Biphenyls (PCBs)</b>				
PCB-1254	0.0094***	0.239	1	—
<b>RCRA Metals</b>				
Arsenic	0.584	0.677	3	8.3
Lead	27	400	800	51.6

- 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 FOR PCBs
  - = NO ESTABLISHED STANDARD
  - SAMPLING LOCATIONS ARE APPROXIMATE

## TABLES





TABLE 1
SOIL ANALYTICAL TEST RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR - MILWAUKEE, WI

Table with columns for Sample, Depth (feet), Soil Type, Sampling Date, and various analytical parameters (B-7 to B-12, SS-1 to SS-26) with corresponding values and detection limits.

(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
\*\* = 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 TEST RESULTS  
EAST BLOCK  
COMMUNITY WITHIN THE CORRIDOR - 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-28	SS-32	SS-38	SS-48	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	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
						Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Gravelly SAND	Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY
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	---	---	---	---	---	---	---	---	---	---	---	---			
<b>Herbicides</b>																				
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	---	---	---	---	---	---	---	---	---	---	---	---			
<b>Method 537 (modified) - Fluorinated Alkyl Substances</b>																				
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	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluoronanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
NEFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
N-ethylperfluorooctanesulfonamidoacetic acid (NEFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
NEFOSE	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  
 \*\* = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene  
 \*\*\* = Combined established standard for NR 720 RCLs for groundwater protection



**TABLE 2  
SOIL ANALYTICAL TEST RESULTS - CONTAMINANTS OF CONCERN  
EAST BLOCK  
COMMUNITY WITHIN THE CORRIDOR - 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
							3-5	9-11	4-6	3-4	2-3	3.5-5.5	7-8
							SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY
							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
<b>Physical Characteristics</b>													
Percent Moisture							15.8	10.5	13.0	7.6	6.6	9.2	18.0
Percent Solids							84.2	89.5	87	92.4	93.4	90.8	82.0
<b>Volatile Organic Compounds (VOCs)</b>													
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.039	<b>0.18</b>	0.077 J	<0.037	<0.037	<0.034	---
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	0.11	<b>34</b>	0.35	<0.035	0.28	<0.032	---
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.039	<b>14</b>	0.080 J	<0.037	0.11	<0.034	---
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<b>0.077</b>	<b>0.13</b>	<b>0.046</b>	<0.014	0.055	<0.013	---
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.042	<b>0.052 J</b>	<0.045	<0.040	<0.039	<0.036	---
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	0.051	<b>5.6</b>	0.13	<0.018	0.08	<0.016	---
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.17	<0.14	<0.18	<b>0.29 J*</b>	<b>0.27 J*</b>	<0.14	---
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	0.15	<b>3.9</b>	<b>0.7</b>	<0.033	<b>0.69 B</b>	<0.030	---
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034	---
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.038	<b>0.15</b>	<0.041	<0.036	<0.036	<0.033	---
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.036	<0.031	<0.039	<0.034	<0.034	<0.031	---
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.017	<b>2.2</b>	<b>0.16</b>	<0.016	<0.016	<0.014	---
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.027	<0.023	<0.029	<0.026	<0.025	<0.023	---
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	0.37	<b>15</b>	1	<0.022	0.81	<0.019	---
<b>Semivolatile Organic Compounds (SVOCs)</b>													
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	0.11	<b>0.39</b>	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	0.16	<b>0.59</b>	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	0.094	<b>0.45</b>	---	---
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>													
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	<b>1.1</b>	<b>0.87</b>	<b>0.32</b>	---	---	<0.0069	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	<b>1.5</b>	<b>0.95</b>	<b>0.57</b>	---	---	<0.0077	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	<b>1.1</b>	<b>0.84</b>	<b>0.45</b>	---	---	<0.0097	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	<b>0.13</b>	0.097	0.053	---	---	<0.0069	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	0.064	<b>2.1</b>	<b>0.67</b>	---	---	<0.0055	---
<b>Polychlorinated Biphenyls (PCBs)</b>													
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	<b>0.13</b>	---	<0.0038	<b>0.11</b>	---	---
<b>RCRA Metals</b>													
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	5.8	6.2	<b>18</b>	1.8	<b>16</b>	7.9	---
Lead	mg/Kg	6010B	27	400	800	51.6	<b>140</b>	22	<b>56</b>	6.9	<b>53</b>	9.5	---

(1) From WDNR RCLs Worksheet dated December 2018

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

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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

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\* = 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 2  
SOIL ANALYTICAL TEST RESULTS - CONTAMINANTS OF CONCERN  
EAST BLOCK  
COMMUNITY WITHIN THE CORRIDOR - 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	SS-1	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28
							0-1	0-1	0-1	0-1	0-1	0-1	0-1
							Silty CLAY	SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY
							Unsaturated	Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated
Sampling Date							3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	2/24/2021
<b>Physical Characteristics</b>													
Percent Moisture							20.4	16.0	27.1	14.0	5.7	10.7	15.2
Percent Solids							79.6	84.0	72.9	86.0	94.3	89.3	84.8
<b>Volatile Organic Compounds (VOCs)</b>													
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	0.13	<0.026	<0.033	0.11	<0.027	<0.023	<0.045
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<b>9</b>	<0.025	<0.031	<0.024	0.063 J	0.072	0.11 J B
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<b>0.13</b>	<0.026	<0.033	<0.025	<0.027	<0.023	<0.045
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<b>0.28</b>	<b>0.011 J</b>	<0.013	<0.0096	<0.011	<0.0089	<0.017
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<b>0.88</b>	<b>0.14</b>	<0.036	<0.027	<0.029	<0.025	<0.049
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	0.74	<0.013	<0.016	<0.012	<0.013	<0.011	<0.022
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.12	<0.11	<0.14	<0.11	<0.12	<0.099	<0.19
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<b>1.2</b>	0.028 J	<0.029	0.12	0.13	0.14	0.11 J
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.029	<0.027	<0.034	<0.025	<0.028	0.12	<0.046
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.028	<0.026	<0.033	<0.024	<0.027	<b>0.09</b>	<0.044
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.026	<0.024	<0.031	<0.023	<0.025	<0.021	<0.042
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.012	<b>0.086</b>	<0.014	<b>0.13</b>	<b>0.11</b>	<b>7.3</b>	<0.020
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<b>0.23</b>	<0.018	<0.023	<0.017	<0.019	<0.016	<0.031
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	0.34	0.033 J	<0.019	0.04	0.15	0.15	<0.026
<b>Semivolatile Organic Compounds (SVOCs)</b>													
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>													
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---
<b>Polychlorinated Biphenyls (PCBs)</b>													
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---	---	---	---
<b>RCRA Metals</b>													
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018

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

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

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

**TABLE 2  
SOIL ANALYTICAL TEST RESULTS - CONTAMINANTS OF CONCERN  
EAST BLOCK  
COMMUNITY WITHIN THE CORRIDOR - 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	SS-32	SS-38	SS-48	SS-51	VE-1	VE-2	VE-3
Depth (feet)							0-1	0-1	0-1	0-1	0-1	0-1	0-1
Soil Type							Silty CLAY	Silty CLAY	Silty CLAY	Gravelly SAND	Sandy CLAY	Clayey SAND	Silty CLAY
Soil Conditions							Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date							3/3/2021	2/24/2021	2/24/2021	3/9/2021	2/24/2021	2/24/2021	2/24/2021
<b>Physical Characteristics</b>													
Percent Moisture							10.2	15.6	14.1	5.8	15.5	22.9	17.9
Percent Solids							89.8	84.4	85.9	94.2	84.5	77.1	82.1
<b>Volatile Organic Compounds (VOCs)</b>													
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.023	<0.046	<0.15	<0.021	<0.040	<b>2.0</b>	<0.038
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.022	<0.043	1.1 B	<0.020	<0.038	<b>1.8 B</b>	0.047 J B
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.023	<0.046	0.17 J	<0.021	<0.040	<b>0.92</b>	<0.038
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.0088	<0.018	<b>0.39</b>	<0.0082	<0.015	<b>0.17</b>	<0.015
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.025	<0.049	<0.17	<0.023	<b>0.097 J</b>	<b>7.9</b>	<0.041
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.011	<0.022	0.10	<0.010	<0.019	0.38	<0.018
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.098	<0.20	<0.66	<0.091	<0.17	<0.32	<0.16
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<0.020	0.048 J	0.17 J	<0.019	<0.035	0.57	<0.033
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.023	<0.047	<b>92</b>	<0.022	<0.041	<0.075	<0.038
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.022	<0.045	<0.15	<0.021	<0.039	<0.072	<0.037
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.021	<0.042	<0.14	<0.020	<0.037	<b>0.15 J</b>	<0.035
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<b>0.093</b>	<0.020	<0.066	<b>0.025 J</b>	<b>0.034 J</b>	<b>2.7</b>	<b>0.16</b>
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.016	<0.032	<0.11	<0.015	<0.028	<0.051	<0.026
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.013	<0.027	0.42	<0.012	<0.023	1.6	0.032 J
<b>Semivolatile Organic Compounds (SVOCs)</b>													
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>													
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---
<b>Polychlorinated Biphenyls (PCBs)</b>													
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---	---	---	---
<b>RCRA Metals</b>													
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018

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

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

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

**TABLE 2  
SOIL ANALYTICAL TEST RESULTS - CONTAMINANTS OF CONCERN  
EAST BLOCK  
COMMUNITY WITHIN THE CORRIDOR - 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	VE-4	VE-5	VE-7	VE-8
							0-1	0-1	0-1	0-1
							Silty CLAY	Silty CLAY	Silty CLAY	Sandy CLAY
							Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date							2/24/2021	2/24/2021	2/24/2021	2/24/2021
<b>Physical Characteristics</b>										
Percent Moisture							8.8	11.3	15.6	15.8
Percent Solids							91.2	88.7	84.4	84.2
<b>Volatile Organic Compounds (VOCs)</b>										
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.040	<0.037	<0.038	<0.049
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.037	<0.035	<0.036	0.058 J B
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.040	<0.037	<0.038	<0.049
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.015	<0.014	<0.015	<0.019
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.043	<0.040	<0.041	<0.052
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.019	<0.018	<0.018	<0.023
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.17	<0.16	<0.16	<0.21
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<0.035	<0.032	<0.033	0.12 J
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.040	<0.037	<0.038	<0.050
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.039	<0.036	<b>0.076 J</b>	<b>0.19</b>
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.036	<0.034	<0.035	<0.045
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<b>13</b>	<0.016	<b>0.69</b>	<0.021
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.027	<0.025	<0.026	<0.034
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.023	<0.021	<0.022	0.10
<b>Semivolatile Organic Compounds (SVOCs)</b>										
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>										
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---
<b>Polychlorinated Biphenyls (PCBs)</b>										
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---
<b>RCRA Metals</b>										
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---

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

## ATTACHMENTS

Attachment A

Eurofins TestAmerica Laboratories, Inc. Laboratory Reports

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-195247-1

Client Project/Site: Community Within the Corridor - 40420

For:

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

Attn: Mr. Robert Reineke



Authorized for release by:  
3/3/2021 10:02:30 AM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*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 - 40420

Job ID: 500-195247-1

---

## Job ID: 500-195247-1

---

Laboratory: Eurofins TestAmerica, Chicago

### Narrative

---

#### Job Narrative 500-195247-1

### Comments

No additional comments.

### Receipt

The samples were received on 2/25/2021 10:40 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 3.4° C.

### GC/MS VOA

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: SS-48 (0'-1') (500-195247-3). Elevated reporting limits (RLs) are provided.

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 - 40420

Job ID: 500-195247-1

## Client Sample ID: SS-28 (0'-1')

## Lab Sample ID: 500-195247-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.11	J B	0.12	0.043	mg/Kg	50	✘	8260B	Total/NA
Naphthalene	0.11	J	0.12	0.040	mg/Kg	50	✘	8260B	Total/NA

## Client Sample ID: SS-38 (0'-1')

## Lab Sample ID: 500-195247-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.048	J	0.12	0.040	mg/Kg	50	✘	8260B	Total/NA

## Client Sample ID: SS-48 (0'-1')

## Lab Sample ID: 500-195247-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.1	B	0.41	0.15	mg/Kg	100	✘	8260B	Total/NA
1,3,5-Trimethylbenzene	0.17	J	0.41	0.15	mg/Kg	100	✘	8260B	Total/NA
Benzene	0.39		0.10	0.059	mg/Kg	100	✘	8260B	Total/NA
Ethylbenzene	0.10		0.10	0.074	mg/Kg	100	✘	8260B	Total/NA
Isopropylbenzene	0.16	J	0.41	0.16	mg/Kg	100	✘	8260B	Total/NA
Naphthalene	0.17	J	0.41	0.14	mg/Kg	100	✘	8260B	Total/NA
Toluene	0.11		0.10	0.060	mg/Kg	100	✘	8260B	Total/NA
Xylenes, Total	0.42		0.20	0.089	mg/Kg	100	✘	8260B	Total/NA
Styrene - DL	92		4.1	1.6	mg/Kg	1000	✘	8260B	Total/NA

## Client Sample ID: VE-1 (0'-1')

## Lab Sample ID: 500-195247-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.097	J	0.11	0.043	mg/Kg	50	✘	8260B	Total/NA
n-Butylbenzene	0.20		0.11	0.041	mg/Kg	50	✘	8260B	Total/NA
sec-Butylbenzene	0.16		0.11	0.042	mg/Kg	50	✘	8260B	Total/NA
Trichloroethene	0.034	J	0.053	0.017	mg/Kg	50	✘	8260B	Total/NA

## Client Sample ID: VE-2 (0'-1')

## Lab Sample ID: 500-195247-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.0		0.19	0.074	mg/Kg	50	✘	8260B	Total/NA
1,2,4-Trimethylbenzene	1.8	B	0.19	0.069	mg/Kg	50	✘	8260B	Total/NA
1,3,5-Trimethylbenzene	0.92		0.19	0.074	mg/Kg	50	✘	8260B	Total/NA
Benzene	0.17		0.048	0.028	mg/Kg	50	✘	8260B	Total/NA
cis-1,2-Dichloroethene	7.9		0.19	0.079	mg/Kg	50	✘	8260B	Total/NA
Ethylbenzene	0.38		0.048	0.035	mg/Kg	50	✘	8260B	Total/NA
Isopropylbenzene	0.12	J	0.19	0.074	mg/Kg	50	✘	8260B	Total/NA
Naphthalene	0.57		0.19	0.065	mg/Kg	50	✘	8260B	Total/NA
n-Butylbenzene	0.52		0.19	0.075	mg/Kg	50	✘	8260B	Total/NA
N-Propylbenzene	0.28		0.19	0.080	mg/Kg	50	✘	8260B	Total/NA
p-Isopropyltoluene	0.20		0.19	0.070	mg/Kg	50	✘	8260B	Total/NA
sec-Butylbenzene	0.14	J	0.19	0.077	mg/Kg	50	✘	8260B	Total/NA
Toluene	0.52		0.048	0.028	mg/Kg	50	✘	8260B	Total/NA
trans-1,2-Dichloroethene	0.15	J	0.19	0.068	mg/Kg	50	✘	8260B	Total/NA
Trichloroethene	2.7		0.097	0.032	mg/Kg	50	✘	8260B	Total/NA
Xylenes, Total	1.6		0.097	0.043	mg/Kg	50	✘	8260B	Total/NA

## Client Sample ID: VE-3 (0'-1')

## Lab Sample ID: 500-195247-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.047	J B	0.099	0.036	mg/Kg	50	✘	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Detection Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

## Client Sample ID: VE-3 (0'-1') (Continued)

Lab Sample ID: 500-195247-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.030		0.025	0.015	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	0.16		0.050	0.016	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.032	J	0.050	0.022	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: VE-4 (0'-1')

Lab Sample ID: 500-195247-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	13		0.052	0.017	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: VE-5 (0'-1')

Lab Sample ID: 500-195247-8

No Detections.

## Client Sample ID: VE-7 (0'-1')

Lab Sample ID: 500-195247-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.076	J	0.10	0.037	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	0.69		0.050	0.016	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: VE-8 (0'-1')

Lab Sample ID: 500-195247-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.058	J B	0.13	0.046	mg/Kg	50	✳	8260B	Total/NA
Naphthalene	0.12	J	0.13	0.043	mg/Kg	50	✳	8260B	Total/NA
Tetrachloroethene	0.19		0.13	0.047	mg/Kg	50	✳	8260B	Total/NA
Toluene	0.034		0.032	0.019	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.10		0.064	0.028	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: Trip Blank

Lab Sample ID: 500-195247-11

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 - 40420

Job ID: 500-195247-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	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

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# Sample Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-195247-1	SS-28 (0'-1')	Solid	02/24/21 10:35	02/25/21 10:40	
500-195247-2	SS-38 (0'-1')	Solid	02/24/21 10:20	02/25/21 10:40	
500-195247-3	SS-48 (0'-1')	Solid	02/24/21 11:05	02/25/21 10:40	
500-195247-4	VE-1 (0'-1')	Solid	02/24/21 12:45	02/25/21 10:40	
500-195247-5	VE-2 (0'-1')	Solid	02/24/21 12:55	02/25/21 10:40	
500-195247-6	VE-3 (0'-1')	Solid	02/24/21 12:30	02/25/21 10:40	
500-195247-7	VE-4 (0'-1')	Solid	02/24/21 10:55	02/25/21 10:40	
500-195247-8	VE-5 (0'-1')	Solid	02/24/21 11:20	02/25/21 10:40	
500-195247-9	VE-7 (0'-1')	Solid	02/24/21 11:30	02/25/21 10:40	
500-195247-10	VE-8 (0'-1')	Solid	02/24/21 11:40	02/25/21 10:40	
500-195247-11	Trip Blank	Solid	02/24/21 00:00	02/25/21 10:40	

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: SS-28 (0'-1')**

**Lab Sample ID: 500-195247-1**

**Date Collected: 02/24/21 10:35**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.055		0.12	0.055	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,1,1-Trichloroethane	<0.045		0.12	0.045	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,1,2,2-Tetrachloroethane	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,1,2-Trichloroethane	<0.042		0.12	0.042	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,1-Dichloroethane	<0.049		0.12	0.049	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,1-Dichloroethene	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,1-Dichloropropene	<0.036		0.12	0.036	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,2,3-Trichlorobenzene	<0.055		0.12	0.055	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,2,3-Trichloropropane	<0.049		0.24	0.049	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,2,4-Trichlorobenzene	<0.041		0.12	0.041	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
<b>1,2,4-Trimethylbenzene</b>	<b>0.11</b>	<b>J B</b>	0.12	0.043	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,2-Dibromo-3-Chloropropane	<0.24		0.60	0.24	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,2-Dibromoethane	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,2-Dichlorobenzene	<0.040		0.12	0.040	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,2-Dichloroethane	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,2-Dichloropropane	<0.051		0.12	0.051	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,3,5-Trimethylbenzene	<0.045		0.12	0.045	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,3-Dichlorobenzene	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,3-Dichloropropane	<0.043		0.12	0.043	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
1,4-Dichlorobenzene	<0.043		0.12	0.043	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
2,2-Dichloropropane	<0.053		0.12	0.053	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
2-Chlorotoluene	<0.037		0.12	0.037	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
4-Chlorotoluene	<0.042		0.12	0.042	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Benzene	<0.017		0.030	0.017	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Bromobenzene	<0.043		0.12	0.043	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Bromochloromethane	<0.051		0.12	0.051	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Bromodichloromethane	<0.044		0.12	0.044	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Bromoform	<0.058		0.12	0.058	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Bromomethane	<0.095		0.36	0.095	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Carbon tetrachloride	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Chlorobenzene	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Chloroethane	<0.060		0.12	0.060	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Chloroform	<0.044		0.24	0.044	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Chloromethane	<0.038		0.12	0.038	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
cis-1,2-Dichloroethene	<0.049		0.12	0.049	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
cis-1,3-Dichloropropane	<0.050		0.12	0.050	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Dibromochloromethane	<0.058		0.12	0.058	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Dibromomethane	<0.032		0.12	0.032	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Dichlorodifluoromethane	<0.080		0.36	0.080	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Ethylbenzene	<0.022		0.030	0.022	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Hexachlorobutadiene	<0.053		0.12	0.053	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Isopropyl ether	<0.033		0.12	0.033	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Isopropylbenzene	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Methyl tert-butyl ether	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Methylene Chloride	<0.19		0.60	0.19	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
<b>Naphthalene</b>	<b>0.11</b>	<b>J</b>	0.12	0.040	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
n-Butylbenzene	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
N-Propylbenzene	<0.049		0.12	0.049	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
p-Isopropyltoluene	<0.043		0.12	0.043	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: SS-28 (0'-1')**

**Lab Sample ID: 500-195247-1**

**Date Collected: 02/24/21 10:35**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Styrene	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
tert-Butylbenzene	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Tetrachloroethene	<0.044		0.12	0.044	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Toluene	<0.018		0.030	0.018	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
trans-1,2-Dichloroethene	<0.042		0.12	0.042	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
trans-1,3-Dichloropropene	<0.043		0.12	0.043	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Trichloroethene	<0.020		0.060	0.020	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Trichlorofluoromethane	<0.051		0.12	0.051	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Vinyl chloride	<0.031		0.12	0.031	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50
Xylenes, Total	<0.026		0.060	0.026	mg/Kg	✱	02/24/21 10:35	03/01/21 15:03	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126	02/24/21 10:35	03/01/21 15:03	50
4-Bromofluorobenzene (Surr)	99		72 - 124	02/24/21 10:35	03/01/21 15:03	50
Dibromofluoromethane (Surr)	99		75 - 120	02/24/21 10:35	03/01/21 15:03	50
Toluene-d8 (Surr)	101		75 - 120	02/24/21 10:35	03/01/21 15:03	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: SS-38 (0'-1')**

**Lab Sample ID: 500-195247-2**

**Date Collected: 02/24/21 10:20**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.056		0.12	0.056	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,1,1-Trichloroethane	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,1,2,2-Tetrachloroethane	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,1,2-Trichloroethane	<0.043		0.12	0.043	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,1-Dichloroethane	<0.050		0.12	0.050	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,1-Dichloroethene	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,1-Dichloropropene	<0.036		0.12	0.036	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2,3-Trichlorobenzene	<0.055		0.12	0.055	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2,3-Trichloropropane	<0.050		0.24	0.050	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2,4-Trichlorobenzene	<0.041		0.12	0.041	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2,4-Trimethylbenzene	<0.043		0.12	0.043	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2-Dibromo-3-Chloropropane	<0.24		0.60	0.24	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2-Dibromoethane	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2-Dichlorobenzene	<0.040		0.12	0.040	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2-Dichloroethane	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,2-Dichloropropane	<0.052		0.12	0.052	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,3,5-Trimethylbenzene	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,3-Dichlorobenzene	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,3-Dichloropropane	<0.044		0.12	0.044	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
1,4-Dichlorobenzene	<0.044		0.12	0.044	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
2,2-Dichloropropane	<0.054		0.12	0.054	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
2-Chlorotoluene	<0.038		0.12	0.038	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
4-Chlorotoluene	<0.042		0.12	0.042	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Benzene	<0.018		0.030	0.018	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Bromobenzene	<0.043		0.12	0.043	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Bromochloromethane	<0.052		0.12	0.052	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Bromodichloromethane	<0.045		0.12	0.045	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Bromoform	<0.059		0.12	0.059	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Bromomethane	<0.096		0.36	0.096	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Carbon tetrachloride	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Chlorobenzene	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Chloroethane	<0.061		0.12	0.061	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Chloroform	<0.045		0.24	0.045	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Chloromethane	<0.039		0.12	0.039	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
cis-1,2-Dichloroethene	<0.049		0.12	0.049	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
cis-1,3-Dichloropropene	<0.050		0.12	0.050	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Dibromochloromethane	<0.059		0.12	0.059	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Dibromomethane	<0.033		0.12	0.033	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Dichlorodifluoromethane	<0.081		0.36	0.081	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Ethylbenzene	<0.022		0.030	0.022	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Hexachlorobutadiene	<0.054		0.12	0.054	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Isopropyl ether	<0.033		0.12	0.033	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Isopropylbenzene	<0.046		0.12	0.046	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Methyl tert-butyl ether	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Methylene Chloride	<0.20		0.60	0.20	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
<b>Naphthalene</b>	<b>0.048</b>	<b>J</b>	0.12	0.040	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
n-Butylbenzene	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
N-Propylbenzene	<0.050		0.12	0.050	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
p-Isopropyltoluene	<0.044		0.12	0.044	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: SS-38 (0'-1')**

**Lab Sample ID: 500-195247-2**

**Date Collected: 02/24/21 10:20**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Styrene	<0.047		0.12	0.047	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
tert-Butylbenzene	<0.048		0.12	0.048	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Tetrachloroethene	<0.045		0.12	0.045	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Toluene	<0.018		0.030	0.018	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
trans-1,2-Dichloroethene	<0.042		0.12	0.042	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
trans-1,3-Dichloropropene	<0.044		0.12	0.044	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Trichloroethene	<0.020		0.060	0.020	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Trichlorofluoromethane	<0.052		0.12	0.052	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Vinyl chloride	<0.032		0.12	0.032	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50
Xylenes, Total	<0.027		0.060	0.027	mg/Kg	✱	02/24/21 10:20	03/01/21 15:29	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	02/24/21 10:20	03/01/21 15:29	50
4-Bromofluorobenzene (Surr)	100		72 - 124	02/24/21 10:20	03/01/21 15:29	50
Dibromofluoromethane (Surr)	99		75 - 120	02/24/21 10:20	03/01/21 15:29	50
Toluene-d8 (Surr)	99		75 - 120	02/24/21 10:20	03/01/21 15:29	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

Client Sample ID: SS-48 (0'-1')

Lab Sample ID: 500-195247-3

Date Collected: 02/24/21 11:05

Matrix: Solid

Date Received: 02/25/21 10:40

Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.19		0.41	0.19	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,1,1-Trichloroethane	<0.15		0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,1,2,2-Tetrachloroethane	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,1,2-Trichloroethane	<0.14		0.41	0.14	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,1-Dichloroethane	<0.17		0.41	0.17	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,1-Dichloroethene	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,1-Dichloropropene	<0.12		0.41	0.12	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,2,3-Trichlorobenzene	<0.19		0.41	0.19	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,2,3-Trichloropropane	<0.17		0.81	0.17	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,2,4-Trichlorobenzene	<0.14		0.41	0.14	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
<b>1,2,4-Trimethylbenzene</b>	<b>1.1</b>	<b>B</b>	0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,2-Dibromo-3-Chloropropane	<0.81		2.0	0.81	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,2-Dibromoethane	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,2-Dichlorobenzene	<0.14		0.41	0.14	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,2-Dichloroethane	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,2-Dichloropropane	<0.17		0.41	0.17	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
<b>1,3,5-Trimethylbenzene</b>	<b>0.17</b>	<b>J</b>	0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,3-Dichlorobenzene	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,3-Dichloropropane	<0.15		0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
1,4-Dichlorobenzene	<0.15		0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
2,2-Dichloropropane	<0.18		0.41	0.18	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
2-Chlorotoluene	<0.13		0.41	0.13	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
4-Chlorotoluene	<0.14		0.41	0.14	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
<b>Benzene</b>	<b>0.39</b>		0.10	0.059	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Bromobenzene	<0.14		0.41	0.14	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Bromochloromethane	<0.17		0.41	0.17	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Bromodichloromethane	<0.15		0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Bromoform	<0.20		0.41	0.20	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Bromomethane	<0.32		1.2	0.32	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Carbon tetrachloride	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Chlorobenzene	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Chloroethane	<0.20		0.41	0.20	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Chloroform	<0.15		0.81	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Chloromethane	<0.13		0.41	0.13	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
cis-1,2-Dichloroethene	<0.17		0.41	0.17	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
cis-1,3-Dichloropropene	<0.17		0.41	0.17	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Dibromochloromethane	<0.20		0.41	0.20	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Dibromomethane	<0.11		0.41	0.11	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Dichlorodifluoromethane	<0.27		1.2	0.27	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
<b>Ethylbenzene</b>	<b>0.10</b>		0.10	0.074	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Hexachlorobutadiene	<0.18		0.41	0.18	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Isopropyl ether	<0.11		0.41	0.11	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
<b>Isopropylbenzene</b>	<b>0.16</b>	<b>J</b>	0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Methyl tert-butyl ether	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Methylene Chloride	<0.66		2.0	0.66	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
<b>Naphthalene</b>	<b>0.17</b>	<b>J</b>	0.41	0.14	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
n-Butylbenzene	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
N-Propylbenzene	<0.17		0.41	0.17	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
p-Isopropyltoluene	<0.15		0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: SS-48 (0'-1')**

**Lab Sample ID: 500-195247-3**

**Date Collected: 02/24/21 11:05**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 85.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
tert-Butylbenzene	<0.16		0.41	0.16	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Tetrachloroethene	<0.15		0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
<b>Toluene</b>	<b>0.11</b>		0.10	0.060	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
trans-1,2-Dichloroethene	<0.14		0.41	0.14	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
trans-1,3-Dichloropropene	<0.15		0.41	0.15	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Trichloroethene	<0.066		0.20	0.066	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Trichlorofluoromethane	<0.17		0.41	0.17	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
Vinyl chloride	<0.11		0.41	0.11	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100
<b>Xylenes, Total</b>	<b>0.42</b>		0.20	0.089	mg/Kg	✱	02/24/21 11:05	03/01/21 15:55	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 126	02/24/21 11:05	03/01/21 15:55	100
4-Bromofluorobenzene (Surr)	101		72 - 124	02/24/21 11:05	03/01/21 15:55	100
Dibromofluoromethane (Surr)	98		75 - 120	02/24/21 11:05	03/01/21 15:55	100
Toluene-d8 (Surr)	99		75 - 120	02/24/21 11:05	03/01/21 15:55	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Styrene</b>	<b>92</b>		4.1	1.6	mg/Kg	✱	02/24/21 11:05	03/01/21 16:21	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	02/24/21 11:05	03/01/21 16:21	1000
4-Bromofluorobenzene (Surr)	103		72 - 124	02/24/21 11:05	03/01/21 16:21	1000
Dibromofluoromethane (Surr)	100		75 - 120	02/24/21 11:05	03/01/21 16:21	1000
Toluene-d8 (Surr)	98		75 - 120	02/24/21 11:05	03/01/21 16:21	1000

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-1 (0'-1')**

**Lab Sample ID: 500-195247-4**

**Date Collected: 02/24/21 12:45**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.049		0.11	0.049	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,1,1-Trichloroethane	<0.040		0.11	0.040	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,1,2,2-Tetrachloroethane	<0.042		0.11	0.042	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,1,2-Trichloroethane	<0.037		0.11	0.037	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,1-Dichloroethane	<0.043		0.11	0.043	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,1-Dichloroethene	<0.041		0.11	0.041	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,1-Dichloropropene	<0.031		0.11	0.031	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2,3-Trichlorobenzene	<0.048		0.11	0.048	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2,3-Trichloropropane	<0.044		0.21	0.044	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2,4-Trichlorobenzene	<0.036		0.11	0.036	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2,4-Trimethylbenzene	<0.038		0.11	0.038	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2-Dibromo-3-Chloropropane	<0.21		0.53	0.21	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2-Dibromoethane	<0.041		0.11	0.041	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2-Dichlorobenzene	<0.035		0.11	0.035	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2-Dichloroethane	<0.041		0.11	0.041	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,2-Dichloropropane	<0.045		0.11	0.045	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,3,5-Trimethylbenzene	<0.040		0.11	0.040	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,3-Dichlorobenzene	<0.042		0.11	0.042	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,3-Dichloropropane	<0.038		0.11	0.038	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
1,4-Dichlorobenzene	<0.038		0.11	0.038	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
2,2-Dichloropropane	<0.047		0.11	0.047	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
2-Chlorotoluene	<0.033		0.11	0.033	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
4-Chlorotoluene	<0.037		0.11	0.037	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Benzene	<0.015		0.026	0.015	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Bromobenzene	<0.038		0.11	0.038	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Bromochloromethane	<0.045		0.11	0.045	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Bromodichloromethane	<0.039		0.11	0.039	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Bromoform	<0.051		0.11	0.051	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Bromomethane	<0.084		0.32	0.084	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Carbon tetrachloride	<0.041		0.11	0.041	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Chlorobenzene	<0.041		0.11	0.041	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Chloroethane	<0.053		0.11	0.053	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Chloroform	<0.039		0.21	0.039	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Chloromethane	<0.034		0.11	0.034	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
<b>cis-1,2-Dichloroethene</b>	<b>0.097 J</b>		0.11	0.043	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
cis-1,3-Dichloropropene	<0.044		0.11	0.044	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Dibromochloromethane	<0.052		0.11	0.052	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Dibromomethane	<0.029		0.11	0.029	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Dichlorodifluoromethane	<0.071		0.32	0.071	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Ethylbenzene	<0.019		0.026	0.019	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Hexachlorobutadiene	<0.047		0.11	0.047	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Isopropyl ether	<0.029		0.11	0.029	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Isopropylbenzene	<0.041		0.11	0.041	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Methyl tert-butyl ether	<0.042		0.11	0.042	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Methylene Chloride	<0.17		0.53	0.17	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
Naphthalene	<0.035		0.11	0.035	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
<b>n-Butylbenzene</b>	<b>0.20</b>		0.11	0.041	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
N-Propylbenzene	<0.044		0.11	0.044	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50
p-Isopropyltoluene	<0.038		0.11	0.038	mg/Kg	*	02/24/21 12:45	03/01/21 16:47	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-1 (0'-1')**

**Lab Sample ID: 500-195247-4**

**Date Collected: 02/24/21 12:45**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>sec-Butylbenzene</b>	<b>0.16</b>		0.11	0.042	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
Styrene	<0.041		0.11	0.041	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
tert-Butylbenzene	<0.042		0.11	0.042	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
Tetrachloroethene	<0.039		0.11	0.039	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
Toluene	<0.016		0.026	0.016	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
trans-1,2-Dichloroethene	<0.037		0.11	0.037	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
trans-1,3-Dichloropropene	<0.038		0.11	0.038	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
<b>Trichloroethene</b>	<b>0.034 J</b>		0.053	0.017	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
Trichlorofluoromethane	<0.045		0.11	0.045	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
Vinyl chloride	<0.028		0.11	0.028	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
Xylenes, Total	<0.023		0.053	0.023	mg/Kg	☼	02/24/21 12:45	03/01/21 16:47	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	110		75 - 126				02/24/21 12:45	03/01/21 16:47	50
4-Bromofluorobenzene (Surr)	95		72 - 124				02/24/21 12:45	03/01/21 16:47	50
Dibromofluoromethane (Surr)	104		75 - 120				02/24/21 12:45	03/01/21 16:47	50
Toluene-d8 (Surr)	97		75 - 120				02/24/21 12:45	03/01/21 16:47	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

Client Sample ID: VE-2 (0'-1')

Lab Sample ID: 500-195247-5

Date Collected: 02/24/21 12:55

Matrix: Solid

Date Received: 02/25/21 10:40

Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.089		0.19	0.089	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>1,1,1-Trichloroethane</b>	<b>2.0</b>		0.19	0.074	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,1,2,2-Tetrachloroethane	<0.077		0.19	0.077	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,1,2-Trichloroethane	<0.068		0.19	0.068	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,1-Dichloroethane	<0.079		0.19	0.079	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,1-Dichloroethene	<0.076		0.19	0.076	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,1-Dichloropropene	<0.058		0.19	0.058	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,2,3-Trichlorobenzene	<0.089		0.19	0.089	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,2,3-Trichloropropane	<0.080		0.39	0.080	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,2,4-Trichlorobenzene	<0.066		0.19	0.066	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>1,2,4-Trimethylbenzene</b>	<b>1.8</b>	<b>B</b>	0.19	0.069	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,2-Dibromo-3-Chloropropane	<0.39		0.97	0.39	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,2-Dibromoethane	<0.075		0.19	0.075	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,2-Dichlorobenzene	<0.065		0.19	0.065	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,2-Dichloroethane	<0.076		0.19	0.076	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,2-Dichloropropane	<0.083		0.19	0.083	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>1,3,5-Trimethylbenzene</b>	<b>0.92</b>		0.19	0.074	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,3-Dichlorobenzene	<0.077		0.19	0.077	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,3-Dichloropropane	<0.070		0.19	0.070	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
1,4-Dichlorobenzene	<0.070		0.19	0.070	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
2,2-Dichloropropane	<0.086		0.19	0.086	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
2-Chlorotoluene	<0.061		0.19	0.061	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
4-Chlorotoluene	<0.068		0.19	0.068	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>Benzene</b>	<b>0.17</b>		0.048	0.028	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Bromobenzene	<0.069		0.19	0.069	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Bromochloromethane	<0.083		0.19	0.083	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Bromodichloromethane	<0.072		0.19	0.072	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Bromoform	<0.094		0.19	0.094	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Bromomethane	<0.15		0.58	0.15	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Carbon tetrachloride	<0.074		0.19	0.074	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Chlorobenzene	<0.075		0.19	0.075	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Chloroethane	<0.098		0.19	0.098	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Chloroform	<0.072		0.39	0.072	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Chloromethane	<0.062		0.19	0.062	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>cis-1,2-Dichloroethene</b>	<b>7.9</b>		0.19	0.079	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
cis-1,3-Dichloropropene	<0.081		0.19	0.081	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Dibromochloromethane	<0.095		0.19	0.095	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Dibromomethane	<0.052		0.19	0.052	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Dichlorodifluoromethane	<0.13		0.58	0.13	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>Ethylbenzene</b>	<b>0.38</b>		0.048	0.035	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Hexachlorobutadiene	<0.086		0.19	0.086	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Isopropyl ether	<0.053		0.19	0.053	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>Isopropylbenzene</b>	<b>0.12</b>	<b>J</b>	0.19	0.074	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Methyl tert-butyl ether	<0.076		0.19	0.076	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
Methylene Chloride	<0.32		0.97	0.32	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>Naphthalene</b>	<b>0.57</b>		0.19	0.065	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>n-Butylbenzene</b>	<b>0.52</b>		0.19	0.075	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>N-Propylbenzene</b>	<b>0.28</b>		0.19	0.080	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50
<b>p-Isopropyltoluene</b>	<b>0.20</b>		0.19	0.070	mg/Kg	✱	02/24/21 12:55	03/01/21 17:13	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-2 (0'-1')**

**Lab Sample ID: 500-195247-5**

Date Collected: 02/24/21 12:55

Matrix: Solid

Date Received: 02/25/21 10:40

Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>sec-Butylbenzene</b>	<b>0.14</b>	<b>J</b>	0.19	0.077	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
Styrene	<0.075		0.19	0.075	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
tert-Butylbenzene	<0.077		0.19	0.077	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
Tetrachloroethene	<0.072		0.19	0.072	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
<b>Toluene</b>	<b>0.52</b>		0.048	0.028	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
<b>trans-1,2-Dichloroethene</b>	<b>0.15</b>	<b>J</b>	0.19	0.068	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
trans-1,3-Dichloropropene	<0.070		0.19	0.070	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
<b>Trichloroethene</b>	<b>2.7</b>		0.097	0.032	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
Trichlorofluoromethane	<0.083		0.19	0.083	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
Vinyl chloride	<0.051		0.19	0.051	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
<b>Xylenes, Total</b>	<b>1.6</b>		0.097	0.043	mg/Kg	☼	02/24/21 12:55	03/01/21 17:13	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	105		75 - 126				02/24/21 12:55	03/01/21 17:13	50
4-Bromofluorobenzene (Surr)	100		72 - 124				02/24/21 12:55	03/01/21 17:13	50
Dibromofluoromethane (Surr)	100		75 - 120				02/24/21 12:55	03/01/21 17:13	50
Toluene-d8 (Surr)	98		75 - 120				02/24/21 12:55	03/01/21 17:13	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-3 (0'-1')**

**Lab Sample ID: 500-195247-6**

Date Collected: 02/24/21 12:30

Matrix: Solid

Date Received: 02/25/21 10:40

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.046		0.099	0.046	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,1,1-Trichloroethane	<0.038		0.099	0.038	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,1,2,2-Tetrachloroethane	<0.040		0.099	0.040	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,1,2-Trichloroethane	<0.035		0.099	0.035	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,1-Dichloroethane	<0.041		0.099	0.041	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,1-Dichloroethene	<0.039		0.099	0.039	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,1-Dichloropropene	<0.030		0.099	0.030	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,2,3-Trichlorobenzene	<0.046		0.099	0.046	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,2,3-Trichloropropane	<0.041		0.20	0.041	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,2,4-Trichlorobenzene	<0.034		0.099	0.034	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
<b>1,2,4-Trimethylbenzene</b>	<b>0.047</b>	<b>J B</b>	0.099	0.036	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,2-Dibromo-3-Chloropropane	<0.20		0.50	0.20	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,2-Dibromoethane	<0.038		0.099	0.038	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,2-Dichlorobenzene	<0.033		0.099	0.033	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,2-Dichloroethane	<0.039		0.099	0.039	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,2-Dichloropropane	<0.043		0.099	0.043	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,3,5-Trimethylbenzene	<0.038		0.099	0.038	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,3-Dichlorobenzene	<0.040		0.099	0.040	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,3-Dichloropropane	<0.036		0.099	0.036	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
1,4-Dichlorobenzene	<0.036		0.099	0.036	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
2,2-Dichloropropane	<0.044		0.099	0.044	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
2-Chlorotoluene	<0.031		0.099	0.031	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
4-Chlorotoluene	<0.035		0.099	0.035	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Benzene	<0.015		0.025	0.015	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Bromobenzene	<0.035		0.099	0.035	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Bromochloromethane	<0.043		0.099	0.043	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Bromodichloromethane	<0.037		0.099	0.037	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Bromoform	<0.048		0.099	0.048	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Bromomethane	<0.079		0.30	0.079	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Carbon tetrachloride	<0.038		0.099	0.038	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Chlorobenzene	<0.038		0.099	0.038	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Chloroethane	<0.050		0.099	0.050	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Chloroform	<0.037		0.20	0.037	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Chloromethane	<0.032		0.099	0.032	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
cis-1,2-Dichloroethene	<0.041		0.099	0.041	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
cis-1,3-Dichloropropene	<0.041		0.099	0.041	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Dibromochloromethane	<0.049		0.099	0.049	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Dibromomethane	<0.027		0.099	0.027	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Dichlorodifluoromethane	<0.067		0.30	0.067	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Ethylbenzene	<0.018		0.025	0.018	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Hexachlorobutadiene	<0.044		0.099	0.044	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Isopropyl ether	<0.027		0.099	0.027	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Isopropylbenzene	<0.038		0.099	0.038	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Methyl tert-butyl ether	<0.039		0.099	0.039	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Methylene Chloride	<0.16		0.50	0.16	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
Naphthalene	<0.033		0.099	0.033	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
n-Butylbenzene	<0.039		0.099	0.039	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
N-Propylbenzene	<0.041		0.099	0.041	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50
p-Isopropyltoluene	<0.036		0.099	0.036	mg/Kg	*	02/24/21 12:30	03/01/21 17:39	50



# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-3 (0'-1')**

**Lab Sample ID: 500-195247-6**

**Date Collected: 02/24/21 12:30**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 82.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.040		0.099	0.040	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
Styrene	<0.038		0.099	0.038	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
tert-Butylbenzene	<0.040		0.099	0.040	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
Tetrachloroethene	<0.037		0.099	0.037	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
<b>Toluene</b>	<b>0.030</b>		0.025	0.015	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
trans-1,2-Dichloroethene	<0.035		0.099	0.035	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
trans-1,3-Dichloropropene	<0.036		0.099	0.036	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
<b>Trichloroethene</b>	<b>0.16</b>		0.050	0.016	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
Trichlorofluoromethane	<0.043		0.099	0.043	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
Vinyl chloride	<0.026		0.099	0.026	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50
<b>Xylenes, Total</b>	<b>0.032 J</b>		0.050	0.022	mg/Kg	✳	02/24/21 12:30	03/01/21 17:39	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		75 - 126	02/24/21 12:30	03/01/21 17:39	50
4-Bromofluorobenzene (Surr)	101		72 - 124	02/24/21 12:30	03/01/21 17:39	50
Dibromofluoromethane (Surr)	101		75 - 120	02/24/21 12:30	03/01/21 17:39	50
Toluene-d8 (Surr)	97		75 - 120	02/24/21 12:30	03/01/21 17:39	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-4 (0'-1')**

**Lab Sample ID: 500-195247-7**

**Date Collected: 02/24/21 10:55**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 91.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.048		0.10	0.048	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,1,1-Trichloroethane	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,1,2,2-Tetrachloroethane	<0.041		0.10	0.041	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,1,2-Trichloroethane	<0.037		0.10	0.037	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,1-Dichloroethane	<0.043		0.10	0.043	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,1-Dichloroethene	<0.041		0.10	0.041	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,1-Dichloropropene	<0.031		0.10	0.031	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2,3-Trichlorobenzene	<0.048		0.10	0.048	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2,3-Trichloropropane	<0.043		0.21	0.043	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2,4-Trichlorobenzene	<0.036		0.10	0.036	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2,4-Trimethylbenzene	<0.037		0.10	0.037	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2-Dibromo-3-Chloropropane	<0.21		0.52	0.21	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2-Dibromoethane	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2-Dichlorobenzene	<0.035		0.10	0.035	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2-Dichloroethane	<0.041		0.10	0.041	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,2-Dichloropropane	<0.045		0.10	0.045	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,3,5-Trimethylbenzene	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,3-Dichlorobenzene	<0.042		0.10	0.042	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,3-Dichloropropane	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
1,4-Dichlorobenzene	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
2,2-Dichloropropane	<0.046		0.10	0.046	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
2-Chlorotoluene	<0.033		0.10	0.033	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
4-Chlorotoluene	<0.036		0.10	0.036	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Benzene	<0.015		0.026	0.015	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Bromobenzene	<0.037		0.10	0.037	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Bromochloromethane	<0.045		0.10	0.045	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Bromodichloromethane	<0.039		0.10	0.039	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Bromoform	<0.050		0.10	0.050	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Bromomethane	<0.083		0.31	0.083	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Carbon tetrachloride	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Chlorobenzene	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Chloroethane	<0.053		0.10	0.053	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Chloroform	<0.039		0.21	0.039	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Chloromethane	<0.033		0.10	0.033	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
cis-1,2-Dichloroethene	<0.043		0.10	0.043	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
cis-1,3-Dichloropropene	<0.043		0.10	0.043	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Dibromochloromethane	<0.051		0.10	0.051	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Dibromomethane	<0.028		0.10	0.028	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Dichlorodifluoromethane	<0.070		0.31	0.070	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Ethylbenzene	<0.019		0.026	0.019	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Hexachlorobutadiene	<0.046		0.10	0.046	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Isopropyl ether	<0.029		0.10	0.029	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Isopropylbenzene	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Methyl tert-butyl ether	<0.041		0.10	0.041	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Methylene Chloride	<0.17		0.52	0.17	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
Naphthalene	<0.035		0.10	0.035	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
n-Butylbenzene	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
N-Propylbenzene	<0.043		0.10	0.043	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50
p-Isopropyltoluene	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 10:55	03/02/21 14:00	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-4 (0'-1')**

**Lab Sample ID: 500-195247-7**

**Date Collected: 02/24/21 10:55**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 91.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.041		0.10	0.041	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
Styrene	<0.040		0.10	0.040	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
tert-Butylbenzene	<0.041		0.10	0.041	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
Tetrachloroethene	<0.039		0.10	0.039	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
Toluene	<0.015		0.026	0.015	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
trans-1,2-Dichloroethene	<0.036		0.10	0.036	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
trans-1,3-Dichloropropene	<0.038		0.10	0.038	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
<b>Trichloroethene</b>	<b>13</b>		0.052	0.017	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
Trichlorofluoromethane	<0.045		0.10	0.045	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
Vinyl chloride	<0.027		0.10	0.027	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50
Xylenes, Total	<0.023		0.052	0.023	mg/Kg	☼	02/24/21 10:55	03/02/21 14:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	02/24/21 10:55	03/02/21 14:00	50
4-Bromofluorobenzene (Surr)	102		72 - 124	02/24/21 10:55	03/02/21 14:00	50
Dibromofluoromethane (Surr)	103		75 - 120	02/24/21 10:55	03/02/21 14:00	50
Toluene-d8 (Surr)	94		75 - 120	02/24/21 10:55	03/02/21 14:00	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-5 (0'-1')**

**Lab Sample ID: 500-195247-8**

**Date Collected: 02/24/21 11:20**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 88.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.045		0.097	0.045	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,1,1-Trichloroethane	<0.037		0.097	0.037	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,1,2,2-Tetrachloroethane	<0.039		0.097	0.039	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,1,2-Trichloroethane	<0.034		0.097	0.034	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,1-Dichloroethane	<0.040		0.097	0.040	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,1-Dichloroethene	<0.038		0.097	0.038	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,1-Dichloropropene	<0.029		0.097	0.029	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2,3-Trichlorobenzene	<0.044		0.097	0.044	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2,3-Trichloropropane	<0.040		0.19	0.040	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2,4-Trichlorobenzene	<0.033		0.097	0.033	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2,4-Trimethylbenzene	<0.035		0.097	0.035	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2-Dibromo-3-Chloropropane	<0.19		0.48	0.19	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2-Dibromoethane	<0.037		0.097	0.037	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2-Dichlorobenzene	<0.032		0.097	0.032	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2-Dichloroethane	<0.038		0.097	0.038	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,2-Dichloropropane	<0.041		0.097	0.041	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,3,5-Trimethylbenzene	<0.037		0.097	0.037	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,3-Dichlorobenzene	<0.039		0.097	0.039	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,3-Dichloropropane	<0.035		0.097	0.035	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
1,4-Dichlorobenzene	<0.035		0.097	0.035	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
2,2-Dichloropropane	<0.043		0.097	0.043	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
2-Chlorotoluene	<0.030		0.097	0.030	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
4-Chlorotoluene	<0.034		0.097	0.034	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Benzene	<0.014		0.024	0.014	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Bromobenzene	<0.034		0.097	0.034	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Bromochloromethane	<0.041		0.097	0.041	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Bromodichloromethane	<0.036		0.097	0.036	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Bromoform	<0.047		0.097	0.047	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Bromomethane	<0.077		0.29	0.077	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Carbon tetrachloride	<0.037		0.097	0.037	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Chlorobenzene	<0.037		0.097	0.037	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Chloroethane	<0.049		0.097	0.049	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Chloroform	<0.036		0.19	0.036	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Chloromethane	<0.031		0.097	0.031	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
cis-1,2-Dichloroethene	<0.040		0.097	0.040	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
cis-1,3-Dichloropropene	<0.040		0.097	0.040	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Dibromochloromethane	<0.047		0.097	0.047	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Dibromomethane	<0.026		0.097	0.026	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Dichlorodifluoromethane	<0.065		0.29	0.065	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Ethylbenzene	<0.018		0.024	0.018	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Hexachlorobutadiene	<0.043		0.097	0.043	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Isopropyl ether	<0.027		0.097	0.027	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Isopropylbenzene	<0.037		0.097	0.037	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Methyl tert-butyl ether	<0.038		0.097	0.038	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Methylene Chloride	<0.16		0.48	0.16	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Naphthalene	<0.032		0.097	0.032	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
n-Butylbenzene	<0.038		0.097	0.038	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
N-Propylbenzene	<0.040		0.097	0.040	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
p-Isopropyltoluene	<0.035		0.097	0.035	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-5 (0'-1')**

**Lab Sample ID: 500-195247-8**

**Date Collected: 02/24/21 11:20**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 88.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.039		0.097	0.039	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Styrene	<0.037		0.097	0.037	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
tert-Butylbenzene	<0.039		0.097	0.039	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Tetrachloroethene	<0.036		0.097	0.036	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Toluene	<0.014		0.024	0.014	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
trans-1,2-Dichloroethene	<0.034		0.097	0.034	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
trans-1,3-Dichloropropene	<0.035		0.097	0.035	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Trichloroethene	<0.016		0.048	0.016	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Trichlorofluoromethane	<0.041		0.097	0.041	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Vinyl chloride	<0.025		0.097	0.025	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50
Xylenes, Total	<0.021		0.048	0.021	mg/Kg	✱	02/24/21 11:20	03/02/21 14:54	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 126	02/24/21 11:20	03/02/21 14:54	50
4-Bromofluorobenzene (Surr)	98		72 - 124	02/24/21 11:20	03/02/21 14:54	50
Dibromofluoromethane (Surr)	105		75 - 120	02/24/21 11:20	03/02/21 14:54	50
Toluene-d8 (Surr)	95		75 - 120	02/24/21 11:20	03/02/21 14:54	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-7 (0'-1')**

**Lab Sample ID: 500-195247-9**

**Date Collected: 02/24/21 11:30**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.046		0.10	0.046	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,1,1-Trichloroethane	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,1,2,2-Tetrachloroethane	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,1,2-Trichloroethane	<0.035		0.10	0.035	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,1-Dichloroethane	<0.041		0.10	0.041	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,1-Dichloroethene	<0.039		0.10	0.039	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,1-Dichloropropene	<0.030		0.10	0.030	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2,3-Trichlorobenzene	<0.046		0.10	0.046	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2,3-Trichloropropane	<0.041		0.20	0.041	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2,4-Trichlorobenzene	<0.034		0.10	0.034	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2,4-Trimethylbenzene	<0.036		0.10	0.036	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2-Dibromo-3-Chloropropane	<0.20		0.50	0.20	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2-Dibromoethane	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2-Dichlorobenzene	<0.033		0.10	0.033	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2-Dichloroethane	<0.039		0.10	0.039	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,2-Dichloropropane	<0.043		0.10	0.043	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,3,5-Trimethylbenzene	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,3-Dichlorobenzene	<0.040		0.10	0.040	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,3-Dichloropropane	<0.036		0.10	0.036	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
1,4-Dichlorobenzene	<0.036		0.10	0.036	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
2,2-Dichloropropane	<0.044		0.10	0.044	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
2-Chlorotoluene	<0.031		0.10	0.031	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
4-Chlorotoluene	<0.035		0.10	0.035	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Benzene	<0.015		0.025	0.015	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Bromobenzene	<0.035		0.10	0.035	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Bromochloromethane	<0.043		0.10	0.043	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Bromodichloromethane	<0.037		0.10	0.037	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Bromoform	<0.048		0.10	0.048	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Bromomethane	<0.079		0.30	0.079	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Carbon tetrachloride	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Chlorobenzene	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Chloroethane	<0.050		0.10	0.050	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Chloroform	<0.037		0.20	0.037	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Chloromethane	<0.032		0.10	0.032	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
cis-1,2-Dichloroethene	<0.041		0.10	0.041	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
cis-1,3-Dichloropropene	<0.041		0.10	0.041	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Dibromochloromethane	<0.049		0.10	0.049	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Dibromomethane	<0.027		0.10	0.027	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Dichlorodifluoromethane	<0.067		0.30	0.067	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Ethylbenzene	<0.018		0.025	0.018	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Hexachlorobutadiene	<0.044		0.10	0.044	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Isopropyl ether	<0.028		0.10	0.028	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Isopropylbenzene	<0.038		0.10	0.038	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Methyl tert-butyl ether	<0.039		0.10	0.039	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Methylene Chloride	<0.16		0.50	0.16	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
Naphthalene	<0.033		0.10	0.033	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
n-Butylbenzene	<0.039		0.10	0.039	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
N-Propylbenzene	<0.041		0.10	0.041	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50
p-Isopropyltoluene	<0.036		0.10	0.036	mg/Kg	✱	02/24/21 11:30	03/02/21 15:21	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-7 (0'-1')**

**Lab Sample ID: 500-195247-9**

**Date Collected: 02/24/21 11:30**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.040		0.10	0.040	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
Styrene	<0.038		0.10	0.038	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
tert-Butylbenzene	<0.040		0.10	0.040	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
<b>Tetrachloroethene</b>	<b>0.076</b>	<b>J</b>	0.10	0.037	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
Toluene	<0.015		0.025	0.015	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
trans-1,2-Dichloroethene	<0.035		0.10	0.035	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
trans-1,3-Dichloropropene	<0.036		0.10	0.036	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
<b>Trichloroethene</b>	<b>0.69</b>		0.050	0.016	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
Trichlorofluoromethane	<0.043		0.10	0.043	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
Vinyl chloride	<0.026		0.10	0.026	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50
Xylenes, Total	<0.022		0.050	0.022	mg/Kg	☼	02/24/21 11:30	03/02/21 15:21	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	02/24/21 11:30	03/02/21 15:21	50
4-Bromofluorobenzene (Surr)	101		72 - 124	02/24/21 11:30	03/02/21 15:21	50
Dibromofluoromethane (Surr)	105		75 - 120	02/24/21 11:30	03/02/21 15:21	50
Toluene-d8 (Surr)	94		75 - 120	02/24/21 11:30	03/02/21 15:21	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

Client Sample ID: VE-8 (0'-1')

Lab Sample ID: 500-195247-10

Date Collected: 02/24/21 11:40

Matrix: Solid

Date Received: 02/25/21 10:40

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.059		0.13	0.059	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,1,1-Trichloroethane	<0.049		0.13	0.049	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,1,2,2-Tetrachloroethane	<0.051		0.13	0.051	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,1,2-Trichloroethane	<0.045		0.13	0.045	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,1-Dichloroethane	<0.053		0.13	0.053	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,1-Dichloroethene	<0.050		0.13	0.050	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,1-Dichloropropene	<0.038		0.13	0.038	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,2,3-Trichlorobenzene	<0.059		0.13	0.059	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,2,3-Trichloropropane	<0.053		0.26	0.053	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,2,4-Trichlorobenzene	<0.044		0.13	0.044	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
<b>1,2,4-Trimethylbenzene</b>	<b>0.058</b>	<b>J B</b>	0.13	0.046	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,2-Dibromo-3-Chloropropane	<0.26		0.64	0.26	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,2-Dibromoethane	<0.050		0.13	0.050	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,2-Dichlorobenzene	<0.043		0.13	0.043	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,2-Dichloroethane	<0.050		0.13	0.050	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,2-Dichloropropane	<0.055		0.13	0.055	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,3,5-Trimethylbenzene	<0.049		0.13	0.049	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,3-Dichlorobenzene	<0.051		0.13	0.051	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,3-Dichloropropane	<0.046		0.13	0.046	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
1,4-Dichlorobenzene	<0.047		0.13	0.047	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
2,2-Dichloropropane	<0.057		0.13	0.057	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
2-Chlorotoluene	<0.040		0.13	0.040	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
4-Chlorotoluene	<0.045		0.13	0.045	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Benzene	<0.019		0.032	0.019	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Bromobenzene	<0.046		0.13	0.046	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Bromochloromethane	<0.055		0.13	0.055	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Bromodichloromethane	<0.048		0.13	0.048	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Bromoform	<0.062		0.13	0.062	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Bromomethane	<0.10		0.39	0.10	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Carbon tetrachloride	<0.049		0.13	0.049	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Chlorobenzene	<0.050		0.13	0.050	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Chloroethane	<0.065		0.13	0.065	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Chloroform	<0.047		0.26	0.047	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Chloromethane	<0.041		0.13	0.041	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
cis-1,2-Dichloroethene	<0.052		0.13	0.052	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
cis-1,3-Dichloropropene	<0.053		0.13	0.053	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Dibromochloromethane	<0.063		0.13	0.063	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Dibromomethane	<0.035		0.13	0.035	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Dichlorodifluoromethane	<0.087		0.39	0.087	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Ethylbenzene	<0.023		0.032	0.023	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Hexachlorobutadiene	<0.057		0.13	0.057	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Isopropyl ether	<0.035		0.13	0.035	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Isopropylbenzene	<0.049		0.13	0.049	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Methyl tert-butyl ether	<0.051		0.13	0.051	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
Methylene Chloride	<0.21		0.64	0.21	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
<b>Naphthalene</b>	<b>0.12</b>	<b>J</b>	0.13	0.043	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
n-Butylbenzene	<0.050		0.13	0.050	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
N-Propylbenzene	<0.053		0.13	0.053	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50
p-Isopropyltoluene	<0.046		0.13	0.046	mg/Kg	*	02/24/21 11:40	03/02/21 15:47	50

Euofins TestAmerica, Chicago



# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-8 (0'-1')**

**Lab Sample ID: 500-195247-10**

**Date Collected: 02/24/21 11:40**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.051		0.13	0.051	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
Styrene	<0.050		0.13	0.050	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
tert-Butylbenzene	<0.051		0.13	0.051	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
<b>Tetrachloroethene</b>	<b>0.19</b>		0.13	0.047	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
<b>Toluene</b>	<b>0.034</b>		0.032	0.019	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
trans-1,2-Dichloroethene	<0.045		0.13	0.045	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
trans-1,3-Dichloropropene	<0.046		0.13	0.046	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
Trichloroethene	<0.021		0.064	0.021	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
Trichlorofluoromethane	<0.055		0.13	0.055	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
Vinyl chloride	<0.034		0.13	0.034	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50
<b>Xylenes, Total</b>	<b>0.10</b>		0.064	0.028	mg/Kg	☼	02/24/21 11:40	03/02/21 15:47	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 126	02/24/21 11:40	03/02/21 15:47	50
4-Bromofluorobenzene (Surr)	100		72 - 124	02/24/21 11:40	03/02/21 15:47	50
Dibromofluoromethane (Surr)	105		75 - 120	02/24/21 11:40	03/02/21 15:47	50
Toluene-d8 (Surr)	94		75 - 120	02/24/21 11:40	03/02/21 15:47	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-195247-11**

**Date Collected: 02/24/21 00:00**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**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		02/24/21 12:00	03/02/21 12:13	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Bromoform	<0.024		0.050	0.024	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Chloroform	<0.019		0.10	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-195247-11**

**Date Collected: 02/24/21 00:00**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**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		02/24/21 12:00	03/02/21 12:13	50
Styrene	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		02/24/21 12:00	03/02/21 12:13	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		02/24/21 12:00	03/02/21 12:13	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	02/24/21 12:00	03/02/21 12:13	50
4-Bromofluorobenzene (Surr)	99		72 - 124	02/24/21 12:00	03/02/21 12:13	50
Dibromofluoromethane (Surr)	105		75 - 120	02/24/21 12:00	03/02/21 12:13	50
Toluene-d8 (Surr)	96		75 - 120	02/24/21 12:00	03/02/21 12:13	50

# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

## Qualifiers

### GC/MS VOA

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

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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 - 40420

Job ID: 500-195247-1

## GC/MS VOA

### Prep Batch: 586464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195247-1	SS-28 (0'-1')	Total/NA	Solid	5035	
500-195247-2	SS-38 (0'-1')	Total/NA	Solid	5035	
500-195247-3 - DL	SS-48 (0'-1')	Total/NA	Solid	5035	
500-195247-3	SS-48 (0'-1')	Total/NA	Solid	5035	
500-195247-4	VE-1 (0'-1')	Total/NA	Solid	5035	
500-195247-5	VE-2 (0'-1')	Total/NA	Solid	5035	
500-195247-6	VE-3 (0'-1')	Total/NA	Solid	5035	
500-195247-7	VE-4 (0'-1')	Total/NA	Solid	5035	
500-195247-8	VE-5 (0'-1')	Total/NA	Solid	5035	
500-195247-9	VE-7 (0'-1')	Total/NA	Solid	5035	
500-195247-10	VE-8 (0'-1')	Total/NA	Solid	5035	
500-195247-11	Trip Blank	Total/NA	Solid	5035	
LB3 500-586464/12-A	Method Blank	Total/NA	Solid	5035	
LCS 500-586464/13-A	Lab Control Sample	Total/NA	Solid	5035	

### Analysis Batch: 586679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195247-1	SS-28 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-2	SS-38 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-3	SS-48 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-3 - DL	SS-48 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-4	VE-1 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-5	VE-2 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-6	VE-3 (0'-1')	Total/NA	Solid	8260B	586464
LB3 500-586464/12-A	Method Blank	Total/NA	Solid	8260B	586464
MB 500-586679/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-586464/13-A	Lab Control Sample	Total/NA	Solid	8260B	586464
LCS 500-586679/4	Lab Control Sample	Total/NA	Solid	8260B	

### Analysis Batch: 586800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195247-7	VE-4 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-8	VE-5 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-9	VE-7 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-10	VE-8 (0'-1')	Total/NA	Solid	8260B	586464
500-195247-11	Trip Blank	Total/NA	Solid	8260B	586464
MB 500-586800/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-586800/4	Lab Control Sample	Total/NA	Solid	8260B	

## General Chemistry

### Analysis Batch: 586383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195247-1	SS-28 (0'-1')	Total/NA	Solid	Moisture	
500-195247-2	SS-38 (0'-1')	Total/NA	Solid	Moisture	
500-195247-3	SS-48 (0'-1')	Total/NA	Solid	Moisture	
500-195247-4	VE-1 (0'-1')	Total/NA	Solid	Moisture	
500-195247-5	VE-2 (0'-1')	Total/NA	Solid	Moisture	
500-195247-6	VE-3 (0'-1')	Total/NA	Solid	Moisture	
500-195247-7	VE-4 (0'-1')	Total/NA	Solid	Moisture	
500-195247-8	VE-5 (0'-1')	Total/NA	Solid	Moisture	

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# QC Association Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

## General Chemistry (Continued)

### Analysis Batch: 586383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195247-9	VE-7 (0'-1')	Total/NA	Solid	Moisture	
500-195247-10	VE-8 (0'-1')	Total/NA	Solid	Moisture	

1

2

3

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# Surrogate Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-195247-1	SS-28 (0'-1')	103	99	99	101
500-195247-2	SS-38 (0'-1')	105	100	99	99
500-195247-3	SS-48 (0'-1')	104	101	98	99
500-195247-3 - DL	SS-48 (0'-1')	105	103	100	98
500-195247-4	VE-1 (0'-1')	110	95	104	97
500-195247-5	VE-2 (0'-1')	105	100	100	98
500-195247-6	VE-3 (0'-1')	109	101	101	97
500-195247-7	VE-4 (0'-1')	105	102	103	94
500-195247-8	VE-5 (0'-1')	106	98	105	95
500-195247-9	VE-7 (0'-1')	105	101	105	94
500-195247-10	VE-8 (0'-1')	107	100	105	94
500-195247-11	Trip Blank	105	99	105	96
LB3 500-586464/12-A	Method Blank	108	102	101	97
LCS 500-586464/13-A	Lab Control Sample	105	100	100	97
LCS 500-586679/4	Lab Control Sample	104	101	101	97
LCS 500-586800/4	Lab Control Sample	104	98	103	98
MB 500-586679/6	Method Blank	103	102	102	99
MB 500-586800/6	Method Blank	107	99	107	94

#### 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 - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: LB3 500-586464/12-A**  
**Matrix: Solid**  
**Analysis Batch: 586679**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 586464**

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		02/26/21 02:00	03/01/21 18:04	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2,4-Trimethylbenzene	0.0185	J	0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Bromoform	<0.024		0.050	0.024	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Chloroform	<0.019		0.10	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		02/26/21 02:00	03/01/21 18:04	50

Eurofins TestAmerica, Chicago



# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: LB3 500-586464/12-A**  
**Matrix: Solid**  
**Analysis Batch: 586679**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 586464**

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Styrene	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		02/26/21 02:00	03/01/21 18:04	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		02/26/21 02:00	03/01/21 18:04	50

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 126	02/26/21 02:00	03/01/21 18:04	50
4-Bromofluorobenzene (Surr)	102		72 - 124	02/26/21 02:00	03/01/21 18:04	50
Dibromofluoromethane (Surr)	101		75 - 120	02/26/21 02:00	03/01/21 18:04	50
Toluene-d8 (Surr)	97		75 - 120	02/26/21 02:00	03/01/21 18:04	50

**Lab Sample ID: LCS 500-586464/13-A**  
**Matrix: Solid**  
**Analysis Batch: 586679**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 586464**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1,2-Tetrachloroethane	2.50	2.37		mg/Kg		95	70 - 125
1,1,1-Trichloroethane	2.50	2.43		mg/Kg		97	70 - 125
1,1,1,2,2-Tetrachloroethane	2.50	2.50		mg/Kg		100	62 - 140
1,1,1,2-Trichloroethane	2.50	2.54		mg/Kg		101	71 - 130
1,1-Dichloroethane	2.50	2.46		mg/Kg		98	70 - 125
1,1-Dichloroethene	2.50	2.35		mg/Kg		94	67 - 122
1,1-Dichloropropene	2.50	2.46		mg/Kg		98	70 - 121
1,2,3-Trichlorobenzene	2.50	2.47		mg/Kg		99	51 - 145
1,2,3-Trichloropropane	2.50	2.65		mg/Kg		106	50 - 133
1,2,4-Trichlorobenzene	2.50	2.37		mg/Kg		95	57 - 137
1,2,4-Trimethylbenzene	2.50	2.44		mg/Kg		98	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	2.31		mg/Kg		93	56 - 123
1,2-Dibromoethane	2.50	2.51		mg/Kg		100	70 - 125
1,2-Dichlorobenzene	2.50	2.50		mg/Kg		100	70 - 125
1,2-Dichloroethane	2.50	2.66		mg/Kg		106	68 - 127
1,2-Dichloropropane	2.50	2.43		mg/Kg		97	67 - 130
1,3,5-Trimethylbenzene	2.50	2.46		mg/Kg		98	70 - 123
1,3-Dichlorobenzene	2.50	2.47		mg/Kg		99	70 - 125
1,3-Dichloropropane	2.50	2.53		mg/Kg		101	62 - 136
1,4-Dichlorobenzene	2.50	2.53		mg/Kg		101	70 - 120
2,2-Dichloropropane	2.50	2.33		mg/Kg		93	58 - 139
2-Chlorotoluene	2.50	2.46		mg/Kg		98	70 - 125
4-Chlorotoluene	2.50	2.47		mg/Kg		99	68 - 124
Benzene	2.50	2.42		mg/Kg		97	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: LCS 500-586464/13-A**  
**Matrix: Solid**  
**Analysis Batch: 586679**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 586464**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.55		mg/Kg		102	70 - 122
Bromochloromethane	2.50	2.57		mg/Kg		103	65 - 122
Bromodichloromethane	2.50	2.46		mg/Kg		98	69 - 120
Bromoform	2.50	2.32		mg/Kg		93	56 - 132
Bromomethane	2.50	2.57		mg/Kg		103	40 - 152
Carbon tetrachloride	2.50	2.43		mg/Kg		97	59 - 133
Chlorobenzene	2.50	2.46		mg/Kg		99	70 - 120
Chloroethane	2.50	2.37		mg/Kg		95	48 - 136
Chloroform	2.50	2.52		mg/Kg		101	70 - 120
Chloromethane	2.50	2.12		mg/Kg		85	56 - 152
cis-1,2-Dichloroethene	2.50	2.50		mg/Kg		100	70 - 125
cis-1,3-Dichloropropene	2.50	2.42		mg/Kg		97	64 - 127
Dibromochloromethane	2.50	2.44		mg/Kg		98	68 - 125
Dibromomethane	2.50	2.56		mg/Kg		102	70 - 120
Dichlorodifluoromethane	2.50	1.80		mg/Kg		72	40 - 159
Ethylbenzene	2.50	2.36		mg/Kg		95	70 - 123
Hexachlorobutadiene	2.50	2.60		mg/Kg		104	51 - 150
Isopropylbenzene	2.50	2.47		mg/Kg		99	70 - 126
Methyl tert-butyl ether	2.50	2.49		mg/Kg		100	55 - 123
Methylene Chloride	2.50	2.45		mg/Kg		98	69 - 125
Naphthalene	2.50	2.48		mg/Kg		99	53 - 144
n-Butylbenzene	2.50	2.40		mg/Kg		96	68 - 125
N-Propylbenzene	2.50	2.47		mg/Kg		99	69 - 127
p-Isopropyltoluene	2.50	2.45		mg/Kg		98	70 - 125
sec-Butylbenzene	2.50	2.48		mg/Kg		99	70 - 123
Styrene	2.50	2.50		mg/Kg		100	70 - 120
tert-Butylbenzene	2.50	2.52		mg/Kg		101	70 - 121
Tetrachloroethene	2.50	2.49		mg/Kg		100	70 - 128
Toluene	2.50	2.35		mg/Kg		94	70 - 125
trans-1,2-Dichloroethene	2.50	2.52		mg/Kg		101	70 - 125
trans-1,3-Dichloropropene	2.50	2.54		mg/Kg		101	62 - 128
Trichloroethene	2.50	2.49		mg/Kg		99	70 - 125
Trichlorofluoromethane	2.50	2.49		mg/Kg		100	55 - 128
Vinyl chloride	2.50	2.22		mg/Kg		89	64 - 126
Xylenes, Total	5.00	4.85		mg/Kg		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		75 - 126
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane (Surr)	100		75 - 120
Toluene-d8 (Surr)	97		75 - 120

**Lab Sample ID: MB 500-586679/6**  
**Matrix: Solid**  
**Analysis Batch: 586679**

**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			03/01/21 10:43	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: MB 500-586679/6**  
**Matrix: Solid**  
**Analysis Batch: 586679**

**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			03/01/21 10:43	1
1,1,1,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/01/21 10:43	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/01/21 10:43	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/01/21 10:43	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/01/21 10:43	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/01/21 10:43	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/01/21 10:43	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/01/21 10:43	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/01/21 10:43	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/01/21 10:43	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/01/21 10:43	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/01/21 10:43	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/01/21 10:43	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/01/21 10:43	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/01/21 10:43	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/01/21 10:43	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/01/21 10:43	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/01/21 10:43	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/01/21 10:43	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/01/21 10:43	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/01/21 10:43	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/01/21 10:43	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/01/21 10:43	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/01/21 10:43	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/01/21 10:43	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/01/21 10:43	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/01/21 10:43	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/01/21 10:43	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/01/21 10:43	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/01/21 10:43	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/01/21 10:43	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/01/21 10:43	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/01/21 10:43	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/01/21 10:43	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/01/21 10:43	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/01/21 10:43	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/01/21 10:43	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/01/21 10:43	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/01/21 10:43	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/01/21 10:43	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/01/21 10:43	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/01/21 10:43	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/01/21 10:43	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/01/21 10:43	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/01/21 10:43	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/01/21 10:43	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/01/21 10:43	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/01/21 10:43	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/01/21 10:43	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: MB 500-586679/6**  
**Matrix: Solid**  
**Analysis Batch: 586679**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/01/21 10:43	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/01/21 10:43	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/01/21 10:43	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/01/21 10:43	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/01/21 10:43	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/01/21 10:43	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/01/21 10:43	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/01/21 10:43	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/01/21 10:43	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/01/21 10:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		03/01/21 10:43	1
4-Bromofluorobenzene (Surr)	102		72 - 124		03/01/21 10:43	1
Dibromofluoromethane (Surr)	102		75 - 120		03/01/21 10:43	1
Toluene-d8 (Surr)	99		75 - 120		03/01/21 10:43	1

**Lab Sample ID: LCS 500-586679/4**  
**Matrix: Solid**  
**Analysis Batch: 586679**

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.0500	0.0442		mg/Kg		88	70 - 125
1,1,1-Trichloroethane	0.0500	0.0494		mg/Kg		99	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0472		mg/Kg		94	62 - 140
1,1,2-Trichloroethane	0.0500	0.0470		mg/Kg		94	71 - 130
1,1,1-Dichloroethane	0.0500	0.0476		mg/Kg		95	70 - 125
1,1-Dichloroethene	0.0500	0.0513		mg/Kg		103	67 - 122
1,1-Dichloropropene	0.0500	0.0491		mg/Kg		98	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0478		mg/Kg		96	51 - 145
1,2,3-Trichloropropane	0.0500	0.0502		mg/Kg		100	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0472		mg/Kg		94	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0455		mg/Kg		91	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0458		mg/Kg		92	56 - 123
1,2-Dibromoethane	0.0500	0.0469		mg/Kg		94	70 - 125
1,2-Dichlorobenzene	0.0500	0.0460		mg/Kg		92	70 - 125
1,2-Dichloroethane	0.0500	0.0487		mg/Kg		97	68 - 127
1,2-Dichloropropane	0.0500	0.0454		mg/Kg		91	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0459		mg/Kg		92	70 - 123
1,3-Dichlorobenzene	0.0500	0.0462		mg/Kg		92	70 - 125
1,3-Dichloropropane	0.0500	0.0461		mg/Kg		92	62 - 136
1,4-Dichlorobenzene	0.0500	0.0472		mg/Kg		94	70 - 120
2,2-Dichloropropane	0.0500	0.0475		mg/Kg		95	58 - 139
2-Chlorotoluene	0.0500	0.0451		mg/Kg		90	70 - 125
4-Chlorotoluene	0.0500	0.0456		mg/Kg		91	68 - 124
Benzene	0.0500	0.0450		mg/Kg		90	70 - 120
Bromobenzene	0.0500	0.0468		mg/Kg		94	70 - 122
Bromochloromethane	0.0500	0.0469		mg/Kg		94	65 - 122

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: LCS 500-586679/4**  
**Matrix: Solid**  
**Analysis Batch: 586679**

**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	0.0445		mg/Kg		89	69 - 120
Bromoform	0.0500	0.0457		mg/Kg		91	56 - 132
Bromomethane	0.0500	0.0568		mg/Kg		114	40 - 152
Carbon tetrachloride	0.0500	0.0503		mg/Kg		101	59 - 133
Chlorobenzene	0.0500	0.0449		mg/Kg		90	70 - 120
Chloroethane	0.0500	0.0512		mg/Kg		102	48 - 136
Chloroform	0.0500	0.0464		mg/Kg		93	70 - 120
Chloromethane	0.0500	0.0531		mg/Kg		106	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0455		mg/Kg		91	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0458		mg/Kg		92	64 - 127
Dibromochloromethane	0.0500	0.0455		mg/Kg		91	68 - 125
Dibromomethane	0.0500	0.0466		mg/Kg		93	70 - 120
Dichlorodifluoromethane	0.0500	0.0605		mg/Kg		121	40 - 159
Ethylbenzene	0.0500	0.0449		mg/Kg		90	70 - 123
Hexachlorobutadiene	0.0500	0.0508		mg/Kg		102	51 - 150
Isopropylbenzene	0.0500	0.0471		mg/Kg		94	70 - 126
Methyl tert-butyl ether	0.0500	0.0488		mg/Kg		98	55 - 123
Methylene Chloride	0.0500	0.0456		mg/Kg		91	69 - 125
Naphthalene	0.0500	0.0478		mg/Kg		96	53 - 144
n-Butylbenzene	0.0500	0.0476		mg/Kg		95	68 - 125
N-Propylbenzene	0.0500	0.0467		mg/Kg		93	69 - 127
p-Isopropyltoluene	0.0500	0.0470		mg/Kg		94	70 - 125
sec-Butylbenzene	0.0500	0.0477		mg/Kg		95	70 - 123
Styrene	0.0500	0.0461		mg/Kg		92	70 - 120
tert-Butylbenzene	0.0500	0.0468		mg/Kg		94	70 - 121
Tetrachloroethene	0.0500	0.0485		mg/Kg		97	70 - 128
Toluene	0.0500	0.0438		mg/Kg		88	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0499		mg/Kg		100	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0466		mg/Kg		93	62 - 128
Trichloroethene	0.0500	0.0473		mg/Kg		95	70 - 125
Trichlorofluoromethane	0.0500	0.0569		mg/Kg		114	55 - 128
Vinyl chloride	0.0500	0.0566		mg/Kg		113	64 - 126
Xylenes, Total	0.100	0.0906		mg/Kg		91	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		75 - 126
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
Toluene-d8 (Surr)	97		75 - 120

**Lab Sample ID: MB 500-586800/6**  
**Matrix: Solid**  
**Analysis Batch: 586800**

**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			03/02/21 11:20	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			03/02/21 11:20	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/02/21 11:20	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: MB 500-586800/6**  
**Matrix: Solid**  
**Analysis Batch: 586800**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/02/21 11:20	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/02/21 11:20	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/02/21 11:20	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/02/21 11:20	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/02/21 11:20	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/02/21 11:20	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/02/21 11:20	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/02/21 11:20	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/02/21 11:20	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/02/21 11:20	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/02/21 11:20	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/02/21 11:20	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/02/21 11:20	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/02/21 11:20	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/02/21 11:20	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/02/21 11:20	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/02/21 11:20	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/02/21 11:20	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/02/21 11:20	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/02/21 11:20	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/02/21 11:20	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/02/21 11:20	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/02/21 11:20	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/02/21 11:20	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/02/21 11:20	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/02/21 11:20	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/02/21 11:20	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/02/21 11:20	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/02/21 11:20	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/02/21 11:20	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/02/21 11:20	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/02/21 11:20	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/02/21 11:20	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/02/21 11:20	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/02/21 11:20	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/02/21 11:20	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/02/21 11:20	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/02/21 11:20	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/02/21 11:20	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/02/21 11:20	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/02/21 11:20	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/02/21 11:20	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/02/21 11:20	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/02/21 11:20	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/02/21 11:20	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/02/21 11:20	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/02/21 11:20	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/02/21 11:20	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/02/21 11:20	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: MB 500-586800/6**  
**Matrix: Solid**  
**Analysis Batch: 586800**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/02/21 11:20	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/02/21 11:20	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/02/21 11:20	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/02/21 11:20	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/02/21 11:20	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/02/21 11:20	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/02/21 11:20	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/02/21 11:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	107		75 - 126		03/02/21 11:20	1
4-Bromofluorobenzene (Surr)	99		72 - 124		03/02/21 11:20	1
Dibromofluoromethane (Surr)	107		75 - 120		03/02/21 11:20	1
Toluene-d8 (Surr)	94		75 - 120		03/02/21 11:20	1

**Lab Sample ID: LCS 500-586800/4**  
**Matrix: Solid**  
**Analysis Batch: 586800**

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.0500	0.0576		mg/Kg		115	70 - 125
1,1,1-Trichloroethane	0.0500	0.0574		mg/Kg		115	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0556		mg/Kg		111	62 - 140
1,1,2-Trichloroethane	0.0500	0.0560		mg/Kg		112	71 - 130
1,1-Dichloroethane	0.0500	0.0557		mg/Kg		111	70 - 125
1,1-Dichloroethene	0.0500	0.0598		mg/Kg		120	67 - 122
1,1-Dichloropropene	0.0500	0.0560		mg/Kg		112	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0633		mg/Kg		127	51 - 145
1,2,3-Trichloropropane	0.0500	0.0596		mg/Kg		119	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0610		mg/Kg		122	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0548		mg/Kg		110	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0611		mg/Kg		122	56 - 123
1,2-Dibromoethane	0.0500	0.0581		mg/Kg		116	70 - 125
1,2-Dichlorobenzene	0.0500	0.0576		mg/Kg		115	70 - 125
1,2-Dichloroethane	0.0500	0.0581		mg/Kg		116	68 - 127
1,2-Dichloropropane	0.0500	0.0529		mg/Kg		106	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0560		mg/Kg		112	70 - 123
1,3-Dichlorobenzene	0.0500	0.0570		mg/Kg		114	70 - 125
1,3-Dichloropropane	0.0500	0.0557		mg/Kg		111	62 - 136
1,4-Dichlorobenzene	0.0500	0.0563		mg/Kg		113	70 - 120
2,2-Dichloropropane	0.0500	0.0551		mg/Kg		110	58 - 139
2-Chlorotoluene	0.0500	0.0549		mg/Kg		110	70 - 125
4-Chlorotoluene	0.0500	0.0547		mg/Kg		109	68 - 124
Benzene	0.0500	0.0551		mg/Kg		110	70 - 120
Bromobenzene	0.0500	0.0584		mg/Kg		117	70 - 122
Bromochloromethane	0.0500	0.0589		mg/Kg		118	65 - 122
Bromodichloromethane	0.0500	0.0544		mg/Kg		109	69 - 120
Bromoform	0.0500	0.0612		mg/Kg		122	56 - 132

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

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

**Lab Sample ID: LCS 500-586800/4**  
**Matrix: Solid**  
**Analysis Batch: 586800**

**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	0.0567		mg/Kg		113	40 - 152
Carbon tetrachloride	0.0500	0.0578		mg/Kg		116	59 - 133
Chlorobenzene	0.0500	0.0560		mg/Kg		112	70 - 120
Chloroethane	0.0500	0.0560		mg/Kg		112	48 - 136
Chloroform	0.0500	0.0556		mg/Kg		111	70 - 120
Chloromethane	0.0500	0.0558		mg/Kg		112	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0551		mg/Kg		110	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0544		mg/Kg		109	64 - 127
Dibromochloromethane	0.0500	0.0570		mg/Kg		114	68 - 125
Dibromomethane	0.0500	0.0577		mg/Kg		115	70 - 120
Dichlorodifluoromethane	0.0500	0.0562		mg/Kg		112	40 - 159
Ethylbenzene	0.0500	0.0540		mg/Kg		108	70 - 123
Hexachlorobutadiene	0.0500	0.0613		mg/Kg		123	51 - 150
Isopropylbenzene	0.0500	0.0559		mg/Kg		112	70 - 126
Methyl tert-butyl ether	0.0500	0.0577		mg/Kg		115	55 - 123
Methylene Chloride	0.0500	0.0580		mg/Kg		116	69 - 125
Naphthalene	0.0500	0.0643		mg/Kg		129	53 - 144
n-Butylbenzene	0.0500	0.0554		mg/Kg		111	68 - 125
N-Propylbenzene	0.0500	0.0551		mg/Kg		110	69 - 127
p-Isopropyltoluene	0.0500	0.0565		mg/Kg		113	70 - 125
sec-Butylbenzene	0.0500	0.0557		mg/Kg		111	70 - 123
Styrene	0.0500	0.0552		mg/Kg		110	70 - 120
tert-Butylbenzene	0.0500	0.0559		mg/Kg		112	70 - 121
Tetrachloroethene	0.0500	0.0599		mg/Kg		120	70 - 128
Toluene	0.0500	0.0538		mg/Kg		108	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0573		mg/Kg		115	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0538		mg/Kg		108	62 - 128
Trichloroethene	0.0500	0.0599		mg/Kg		120	70 - 125
Trichlorofluoromethane	0.0500	0.0623		mg/Kg		125	55 - 128
Vinyl chloride	0.0500	0.0593		mg/Kg		119	64 - 126
Xylenes, Total	0.100	0.108		mg/Kg		108	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		75 - 126
4-Bromofluorobenzene (Surr)	98		72 - 124
Dibromofluoromethane (Surr)	103		75 - 120
Toluene-d8 (Surr)	98		75 - 120



# Lab Chronicle

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: SS-28 (0'-1')**

**Date Collected: 02/24/21 10:35**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

**Client Sample ID: SS-28 (0'-1')**

**Date Collected: 02/24/21 10:35**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-1**

**Matrix: Solid**

**Percent Solids: 84.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 10:35	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586679	03/01/21 15:03	PMF	TAL CHI

**Client Sample ID: SS-38 (0'-1')**

**Date Collected: 02/24/21 10:20**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

**Client Sample ID: SS-38 (0'-1')**

**Date Collected: 02/24/21 10:20**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-2**

**Matrix: Solid**

**Percent Solids: 84.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 10:20	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586679	03/01/21 15:29	PMF	TAL CHI

**Client Sample ID: SS-48 (0'-1')**

**Date Collected: 02/24/21 11:05**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

**Client Sample ID: SS-48 (0'-1')**

**Date Collected: 02/24/21 11:05**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-3**

**Matrix: Solid**

**Percent Solids: 85.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 11:05	EMA	TAL CHI
Total/NA	Analysis	8260B		100	586679	03/01/21 15:55	PMF	TAL CHI
Total/NA	Prep	5035	DL		586464	02/24/21 11:05	EMA	TAL CHI
Total/NA	Analysis	8260B	DL	1000	586679	03/01/21 16:21	PMF	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-1 (0'-1')**

**Date Collected: 02/24/21 12:45**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

**Client Sample ID: VE-1 (0'-1')**

**Date Collected: 02/24/21 12:45**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-4**

**Matrix: Solid**

**Percent Solids: 84.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 12:45	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586679	03/01/21 16:47	PMF	TAL CHI

**Client Sample ID: VE-2 (0'-1')**

**Date Collected: 02/24/21 12:55**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-5**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

**Client Sample ID: VE-2 (0'-1')**

**Date Collected: 02/24/21 12:55**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-5**

**Matrix: Solid**

**Percent Solids: 77.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 12:55	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586679	03/01/21 17:13	PMF	TAL CHI

**Client Sample ID: VE-3 (0'-1')**

**Date Collected: 02/24/21 12:30**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-6**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

**Client Sample ID: VE-3 (0'-1')**

**Date Collected: 02/24/21 12:30**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-6**

**Matrix: Solid**

**Percent Solids: 82.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 12:30	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586679	03/01/21 17:39	PMF	TAL CHI

**Client Sample ID: VE-4 (0'-1')**

**Date Collected: 02/24/21 10:55**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

Eurofins TestAmerica, Chicago

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-4 (0'-1')**

**Date Collected: 02/24/21 10:55**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-7**

**Matrix: Solid**

**Percent Solids: 91.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 10:55	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586800	03/02/21 14:00	PMF	TAL CHI

**Client Sample ID: VE-5 (0'-1')**

**Date Collected: 02/24/21 11:20**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

**Client Sample ID: VE-5 (0'-1')**

**Date Collected: 02/24/21 11:20**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-8**

**Matrix: Solid**

**Percent Solids: 88.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 11:20	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586800	03/02/21 14:54	PMF	TAL CHI

**Client Sample ID: VE-7 (0'-1')**

**Date Collected: 02/24/21 11:30**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

**Client Sample ID: VE-7 (0'-1')**

**Date Collected: 02/24/21 11:30**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-9**

**Matrix: Solid**

**Percent Solids: 84.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 11:30	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586800	03/02/21 15:21	PMF	TAL CHI

**Client Sample ID: VE-8 (0'-1')**

**Date Collected: 02/24/21 11:40**

**Date Received: 02/25/21 10:40**

**Lab Sample ID: 500-195247-10**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586383	02/25/21 14:13	LWN	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195247-1

**Client Sample ID: VE-8 (0'-1')**

**Lab Sample ID: 500-195247-10**

**Date Collected: 02/24/21 11:40**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

**Percent Solids: 84.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 11:40	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586800	03/02/21 15:47	PMF	TAL CHI

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-195247-11**

**Date Collected: 02/24/21 00:00**

**Matrix: Solid**

**Date Received: 02/25/21 10:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			586464	02/24/21 12:00	EMA	TAL CHI
Total/NA	Analysis	8260B		50	586800	03/02/21 12:13	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 - 40420

Job ID: 500-195247-1

## 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

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500-195247

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 500-195247 COC	Property Address 2748 N 32nd Street, Milwaukee WI 53208	Telephone # (incl area code) N/A	KSingh Project # 40420
Community Within the Corridor Limited Partnership			

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

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 2/24/21 @ 1620	Received By (Signature) <i>[Signature]</i>	Temperature Blank: 31 → 34
Relinquished By (Signature) <i>[Signature]</i>	Date/Time 2-24-21 1700	Received By (Signature) <i>[Signature]</i> 2/25/21 1040	If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.

1 Specify groundwater (GW) soil (S) air (A) sludge (SL) surface water (SW), etc					Sample Condition														
2 Sample description must clearly correlate the sample I D to the sampling location																			
Date Collected	Time Collected	Samples		Location/Description (2)	8260B	VOC									# / Type of Container				Other Comment
		Type (1)	Device												MeOH	--	--	Unpres	
2/24/2021	10:35	Soil	Auger	SS-28 (0'-1')	x										1			1	
2/24/2021	10:20	Soil	Auger	SS-38 (0'-1')	x										1			1	
2/24/2021	11:05	Soil	Auger	SS-48 (0' 1)	x										1			1	
2/24/2021	12:45	Soil	Auger	VE 1 (0'-1')	x										1			1	
2/24/2021	12:55	Soil	Auger	VE-2 (0'-1')	x										1			1	
2/24/2021	12:30	Soil	Auger	VE-3 (0'-1')	x										1			1	
2/24/2021	10:55	Soil	Auger	VE-4 (0'-1)	x										1			1	
2/24/2021	11:20	Soil	Auger	VE-5 (0'-1)	x										1			1	
2/24/2021	11:30	Soil	Auger	VE-7 (0' 1)	x										1			1	
2/24/2021	11:40	Soil	Auger	VE-8 (0'-1)	x										1			1	
--		--	--	Trip Blank	x										1			0	

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NOTE(S)

<b>DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES</b> Disposition of unused portion of sample Laboratory should (check) <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return <input type="checkbox"/> Retain for _____ (days) <input type="checkbox"/> Other	<b>DEPARTMENT USE ONLY</b> 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: 500-195247-1

**Login Number: 195247**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-195565-1

Client Project/Site: Community Within the Corridor - 40420

For:

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

Attn: Mr. Robert Reineke

*Jodie Bracken*

Authorized for release by:  
3/10/2021 11:02:07 AM

Jodie Bracken, Project Management Assistant II  
[Jodie.Bracken@Eurofinset.com](mailto:Jodie.Bracken@Eurofinset.com)

Designee for

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*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 - 40420

Job ID: 500-195565-1

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**Job ID: 500-195565-1**

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**Laboratory: Eurofins TestAmerica, Chicago**

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**Narrative**

**Job Narrative  
500-195565-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 3/4/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were -0.6° C and 0.1° C.

**GC/MS VOA**

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

**Metals**

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

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# Detection Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

**Client Sample ID: SS-32**

**Lab Sample ID: 500-195565-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.093		0.030	0.0099	mg/Kg	50	✳	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

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# Method Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	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

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# Sample Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-195565-1	SS-32	Solid	03/03/21 13:25	03/04/21 10:00	

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

**Client Sample ID: SS-32**

**Lab Sample ID: 500-195565-1**

**Date Collected: 03/03/21 13:25**

**Matrix: Solid**

**Date Received: 03/04/21 10:00**

**Percent Solids: 89.8**

**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	✱	03/03/21 13:25	03/09/21 15:53	50
1,1,1-Trichloroethane	<0.023		0.060	0.023	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,1,2,2-Tetrachloroethane	<0.024		0.060	0.024	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,1,2-Trichloroethane	<0.021		0.060	0.021	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,1-Dichloroethane	<0.025		0.060	0.025	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,1-Dichloroethene	<0.024		0.060	0.024	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,1-Dichloropropene	<0.018		0.060	0.018	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2,3-Trichlorobenzene	<0.028		0.060	0.028	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2,4-Trichlorobenzene	<0.021		0.060	0.021	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2,4-Trimethylbenzene	<0.022		0.060	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2-Dibromoethane	<0.023		0.060	0.023	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2-Dichlorobenzene	<0.020		0.060	0.020	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2-Dichloroethane	<0.024		0.060	0.024	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,3,5-Trimethylbenzene	<0.023		0.060	0.023	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,3-Dichlorobenzene	<0.024		0.060	0.024	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,3-Dichloropropane	<0.022		0.060	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
1,4-Dichlorobenzene	<0.022		0.060	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
2,2-Dichloropropane	<0.027		0.060	0.027	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
2-Chlorotoluene	<0.019		0.060	0.019	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
4-Chlorotoluene	<0.021		0.060	0.021	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Benzene	<0.0088		0.015	0.0088	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Bromobenzene	<0.022		0.060	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Bromochloromethane	<0.026		0.060	0.026	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Bromodichloromethane	<0.022		0.060	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Bromoform	<0.029		0.060	0.029	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Bromomethane	<0.048		0.18	0.048	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Carbon tetrachloride	<0.023		0.060	0.023	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Chlorobenzene	<0.023		0.060	0.023	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Chloroethane	<0.030		0.060	0.030	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Chloroform	<0.022		0.12	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Chloromethane	<0.019		0.060	0.019	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
cis-1,2-Dichloroethene	<0.025		0.060	0.025	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
cis-1,3-Dichloropropene	<0.025		0.060	0.025	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Dibromochloromethane	<0.029		0.060	0.029	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Dibromomethane	<0.016		0.060	0.016	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Hexachlorobutadiene	<0.027		0.060	0.027	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Isopropyl ether	<0.017		0.060	0.017	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Isopropylbenzene	<0.023		0.060	0.023	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Methyl tert-butyl ether	<0.024		0.060	0.024	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Methylene Chloride	<0.098		0.30	0.098	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Naphthalene	<0.020		0.060	0.020	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
n-Butylbenzene	<0.023		0.060	0.023	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
N-Propylbenzene	<0.025		0.060	0.025	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
p-Isopropyltoluene	<0.022		0.060	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

**Client Sample ID: SS-32**

**Lab Sample ID: 500-195565-1**

**Date Collected: 03/03/21 13:25**

**Matrix: Solid**

**Date Received: 03/04/21 10:00**

**Percent Solids: 89.8**

**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	✱	03/03/21 13:25	03/09/21 15:53	50
Styrene	<0.023		0.060	0.023	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
tert-Butylbenzene	<0.024		0.060	0.024	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Tetrachloroethene	<0.022		0.060	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Toluene	<0.0089		0.015	0.0089	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
trans-1,2-Dichloroethene	<0.021		0.060	0.021	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
trans-1,3-Dichloropropene	<0.022		0.060	0.022	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
<b>Trichloroethene</b>	<b>0.093</b>		0.030	0.0099	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Trichlorofluoromethane	<0.026		0.060	0.026	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Vinyl chloride	<0.016		0.060	0.016	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	✱	03/03/21 13:25	03/09/21 15:53	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		75 - 126	03/03/21 13:25	03/09/21 15:53	50
4-Bromofluorobenzene (Surr)	103		72 - 124	03/03/21 13:25	03/09/21 15:53	50
Dibromofluoromethane (Surr)	92		75 - 120	03/03/21 13:25	03/09/21 15:53	50
Toluene-d8 (Surr)	100		75 - 120	03/03/21 13:25	03/09/21 15:53	50

# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

## 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 - 40420

Job ID: 500-195565-1

## GC/MS VOA

### Prep Batch: 587361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195565-1	SS-32	Total/NA	Solid	5035	
LB3 500-587361/6-A	Method Blank	Total/NA	Solid	5035	
LCS 500-587361/7-A	Lab Control Sample	Total/NA	Solid	5035	

### Analysis Batch: 587741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195565-1	SS-32	Total/NA	Solid	8260B	587361
LB3 500-587361/6-A	Method Blank	Total/NA	Solid	8260B	587361
MB 500-587741/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-587361/7-A	Lab Control Sample	Total/NA	Solid	8260B	587361
LCS 500-587741/5	Lab Control Sample	Total/NA	Solid	8260B	

## General Chemistry

### Analysis Batch: 587279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195565-1	SS-32	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

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

**Matrix: Solid**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(75-126)	(72-124)	(75-120)	(75-120)
500-195565-1	SS-32	88	103	92	100
LB3 500-587361/6-A	Method Blank	85	106	91	100
LCS 500-587361/7-A	Lab Control Sample	79	101	91	104
LCS 500-587741/5	Lab Control Sample	82	100	92	102
MB 500-587741/7	Method Blank	84	116	94	104

### 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 - 40420

Job ID: 500-195565-1

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

**Lab Sample ID: LB3 500-587361/6-A**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587361**

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		03/04/21 22:20	03/09/21 13:23	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

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

**Lab Sample ID: LB3 500-587361/6-A**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587361**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/04/21 22:20	03/09/21 13:23	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	85		75 - 126	03/04/21 22:20	03/09/21 13:23	50
4-Bromofluorobenzene (Surr)	106		72 - 124	03/04/21 22:20	03/09/21 13:23	50
Dibromofluoromethane (Surr)	91		75 - 120	03/04/21 22:20	03/09/21 13:23	50
Toluene-d8 (Surr)	100		75 - 120	03/04/21 22:20	03/09/21 13:23	50

**Lab Sample ID: LCS 500-587361/7-A**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587361**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2.50	2.53		mg/Kg		101	70 - 125
1,1,1,2-Tetrachloroethane	2.50	2.41		mg/Kg		97	62 - 140
1,1,2-Trichloroethane	2.50	2.39		mg/Kg		95	71 - 130
1,1-Dichloroethane	2.50	2.15		mg/Kg		86	70 - 125
1,1-Dichloroethene	2.50	2.19		mg/Kg		88	67 - 122
1,1-Dichloropropene	2.50	2.51		mg/Kg		101	70 - 121
1,2,3-Trichlorobenzene	2.50	2.39		mg/Kg		96	51 - 145
1,2,3-Trichloropropane	2.50	2.33		mg/Kg		93	50 - 133
1,2,4-Trichlorobenzene	2.50	2.53		mg/Kg		101	57 - 137
1,2,4-Trimethylbenzene	2.50	2.58		mg/Kg		103	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.85		mg/Kg		74	56 - 123
1,2-Dibromoethane	2.50	2.40		mg/Kg		96	70 - 125
1,2-Dichlorobenzene	2.50	2.45		mg/Kg		98	70 - 125
1,2-Dichloroethane	2.50	2.04		mg/Kg		82	68 - 127
1,2-Dichloropropane	2.50	2.25		mg/Kg		90	67 - 130
1,3,5-Trimethylbenzene	2.50	2.63		mg/Kg		105	70 - 123
1,3-Dichlorobenzene	2.50	2.59		mg/Kg		104	70 - 125
1,3-Dichloropropane	2.50	2.42		mg/Kg		97	62 - 136
1,4-Dichlorobenzene	2.50	2.50		mg/Kg		100	70 - 120
2,2-Dichloropropane	2.50	2.50		mg/Kg		100	58 - 139
2-Chlorotoluene	2.50	2.60		mg/Kg		104	70 - 125
4-Chlorotoluene	2.50	2.53		mg/Kg		101	68 - 124
Benzene	2.50	2.40		mg/Kg		96	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

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

**Lab Sample ID: LCS 500-587361/7-A**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587361**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.60		mg/Kg		104	70 - 122
Bromochloromethane	2.50	2.44		mg/Kg		97	65 - 122
Bromodichloromethane	2.50	2.26		mg/Kg		90	69 - 120
Bromoform	2.50	2.26		mg/Kg		90	56 - 132
Bromomethane	2.50	1.49		mg/Kg		60	40 - 152
Carbon tetrachloride	2.50	2.27		mg/Kg		91	59 - 133
Chlorobenzene	2.50	2.61		mg/Kg		104	70 - 120
Chloroethane	2.50	1.97		mg/Kg		79	48 - 136
Chloroform	2.50	2.26		mg/Kg		91	70 - 120
Chloromethane	2.50	1.44		mg/Kg		58	56 - 152
cis-1,2-Dichloroethene	2.50	2.41		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	2.50	2.38		mg/Kg		95	64 - 127
Dibromochloromethane	2.50	2.38		mg/Kg		95	68 - 125
Dibromomethane	2.50	2.26		mg/Kg		90	70 - 120
Dichlorodifluoromethane	2.50	1.20		mg/Kg		48	40 - 159
Ethylbenzene	2.50	2.80		mg/Kg		112	70 - 123
Hexachlorobutadiene	2.50	2.80		mg/Kg		112	51 - 150
Isopropylbenzene	2.50	2.77		mg/Kg		111	70 - 126
Methyl tert-butyl ether	2.50	2.04		mg/Kg		82	55 - 123
Methylene Chloride	2.50	2.20		mg/Kg		88	69 - 125
Naphthalene	2.50	2.23		mg/Kg		89	53 - 144
n-Butylbenzene	2.50	2.67		mg/Kg		107	68 - 125
N-Propylbenzene	2.50	2.67		mg/Kg		107	69 - 127
p-Isopropyltoluene	2.50	2.68		mg/Kg		107	70 - 125
sec-Butylbenzene	2.50	2.71		mg/Kg		109	70 - 123
Styrene	2.50	2.52		mg/Kg		101	70 - 120
tert-Butylbenzene	2.50	2.69		mg/Kg		108	70 - 121
Tetrachloroethene	2.50	2.86		mg/Kg		114	70 - 128
Toluene	2.50	2.63		mg/Kg		105	70 - 125
trans-1,2-Dichloroethene	2.50	2.41		mg/Kg		96	70 - 125
trans-1,3-Dichloropropene	2.50	2.20		mg/Kg		88	62 - 128
Trichloroethene	2.50	2.61		mg/Kg		104	70 - 125
Trichlorofluoromethane	2.50	2.05		mg/Kg		82	55 - 128
Vinyl chloride	2.50	1.73		mg/Kg		69	64 - 126
Xylenes, Total	5.00	4.98		mg/Kg		100	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	79		75 - 126
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	91		75 - 120
Toluene-d8 (Surr)	104		75 - 120

**Lab Sample ID: MB 500-587741/7**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**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			03/09/21 12:33	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

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

**Lab Sample ID: MB 500-587741/7**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**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			03/09/21 12:33	1
1,1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/09/21 12:33	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 12:33	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/09/21 12:33	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/09/21 12:33	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/09/21 12:33	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 12:33	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/09/21 12:33	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/09/21 12:33	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 12:33	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 12:33	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/09/21 12:33	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/09/21 12:33	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/09/21 12:33	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/09/21 12:33	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/09/21 12:33	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/09/21 12:33	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/09/21 12:33	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/09/21 12:33	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/09/21 12:33	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/09/21 12:33	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/09/21 12:33	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/09/21 12:33	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/09/21 12:33	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 12:33	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

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

**Lab Sample ID: MB 500-587741/7**  
**Matrix: Solid**  
**Analysis Batch: 587741**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 12:33	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 12:33	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/09/21 12:33	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/09/21 12:33	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/09/21 12:33	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	84		75 - 126		03/09/21 12:33	1
4-Bromofluorobenzene (Surr)	116		72 - 124		03/09/21 12:33	1
Dibromofluoromethane (Surr)	94		75 - 120		03/09/21 12:33	1
Toluene-d8 (Surr)	104		75 - 120		03/09/21 12:33	1

**Lab Sample ID: LCS 500-587741/5**  
**Matrix: Solid**  
**Analysis Batch: 587741**

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.0500	0.0498		mg/Kg		100	70 - 125
1,1,1-Trichloroethane	0.0500	0.0514		mg/Kg		103	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0463		mg/Kg		93	62 - 140
1,1,2-Trichloroethane	0.0500	0.0462		mg/Kg		92	71 - 130
1,1,1-Dichloroethane	0.0500	0.0428		mg/Kg		86	70 - 125
1,1-Dichloroethene	0.0500	0.0467		mg/Kg		93	67 - 122
1,1-Dichloropropene	0.0500	0.0492		mg/Kg		98	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0407		mg/Kg		81	51 - 145
1,2,3-Trichloropropane	0.0500	0.0446		mg/Kg		89	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0439		mg/Kg		88	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0491		mg/Kg		98	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0361		mg/Kg		72	56 - 123
1,2-Dibromoethane	0.0500	0.0461		mg/Kg		92	70 - 125
1,2-Dichlorobenzene	0.0500	0.0478		mg/Kg		96	70 - 125
1,2-Dichloroethane	0.0500	0.0410		mg/Kg		82	68 - 127
1,2-Dichloropropane	0.0500	0.0439		mg/Kg		88	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0499		mg/Kg		100	70 - 123
1,3-Dichlorobenzene	0.0500	0.0499		mg/Kg		100	70 - 125
1,3-Dichloropropane	0.0500	0.0461		mg/Kg		92	62 - 136
1,4-Dichlorobenzene	0.0500	0.0479		mg/Kg		96	70 - 120
2,2-Dichloropropane	0.0500	0.0548		mg/Kg		110	58 - 139
2-Chlorotoluene	0.0500	0.0496		mg/Kg		99	70 - 125
4-Chlorotoluene	0.0500	0.0473		mg/Kg		95	68 - 124
Benzene	0.0500	0.0471		mg/Kg		94	70 - 120
Bromobenzene	0.0500	0.0491		mg/Kg		98	70 - 122
Bromochloromethane	0.0500	0.0501		mg/Kg		100	65 - 122

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

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

**Lab Sample ID: LCS 500-587741/5**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**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	0.0459		mg/Kg		92	69 - 120
Bromoform	0.0500	0.0471		mg/Kg		94	56 - 132
Bromomethane	0.0500	0.0549		mg/Kg		110	40 - 152
Carbon tetrachloride	0.0500	0.0469		mg/Kg		94	59 - 133
Chlorobenzene	0.0500	0.0503		mg/Kg		101	70 - 120
Chloroethane	0.0500	0.0465		mg/Kg		93	48 - 136
Chloroform	0.0500	0.0448		mg/Kg		90	70 - 120
Chloromethane	0.0500	0.0388		mg/Kg		78	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0478		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0466		mg/Kg		93	64 - 127
Dibromochloromethane	0.0500	0.0481		mg/Kg		96	68 - 125
Dibromomethane	0.0500	0.0450		mg/Kg		90	70 - 120
Dichlorodifluoromethane	0.0500	0.0471		mg/Kg		94	40 - 159
Ethylbenzene	0.0500	0.0529		mg/Kg		106	70 - 123
Hexachlorobutadiene	0.0500	0.0489		mg/Kg		98	51 - 150
Isopropylbenzene	0.0500	0.0528		mg/Kg		106	70 - 126
Methyl tert-butyl ether	0.0500	0.0412		mg/Kg		82	55 - 123
Methylene Chloride	0.0500	0.0453		mg/Kg		91	69 - 125
Naphthalene	0.0500	0.0388		mg/Kg		78	53 - 144
n-Butylbenzene	0.0500	0.0498		mg/Kg		100	68 - 125
N-Propylbenzene	0.0500	0.0502		mg/Kg		100	69 - 127
p-Isopropyltoluene	0.0500	0.0509		mg/Kg		102	70 - 125
sec-Butylbenzene	0.0500	0.0516		mg/Kg		103	70 - 123
Styrene	0.0500	0.0484		mg/Kg		97	70 - 120
tert-Butylbenzene	0.0500	0.0511		mg/Kg		102	70 - 121
Tetrachloroethene	0.0500	0.0549		mg/Kg		110	70 - 128
Toluene	0.0500	0.0502		mg/Kg		100	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0499		mg/Kg		100	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0428		mg/Kg		86	62 - 128
Trichloroethene	0.0500	0.0511		mg/Kg		102	70 - 125
Trichlorofluoromethane	0.0500	0.0459		mg/Kg		92	55 - 128
Vinyl chloride	0.0500	0.0448		mg/Kg		90	64 - 126
Xylenes, Total	0.100	0.0956		mg/Kg		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		75 - 126
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane (Surr)	92		75 - 120
Toluene-d8 (Surr)	102		75 - 120



# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195565-1

**Client Sample ID: SS-32**  
**Date Collected: 03/03/21 13:25**  
**Date Received: 03/04/21 10:00**

**Lab Sample ID: 500-195565-1**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587279	03/04/21 14:15	LWN	TAL CHI

**Client Sample ID: SS-32**  
**Date Collected: 03/03/21 13:25**  
**Date Received: 03/04/21 10:00**

**Lab Sample ID: 500-195565-1**  
**Matrix: Solid**  
**Percent Solids: 89.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587361	03/03/21 13:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587741	03/09/21 15:53	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 - 40420

Job ID: 500-195565-1

## 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
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- 11
- 12
- 13
- 14
- 15



500-195565

Sample Collector(s) Kyle Vander Heiden	Title Staff Geologist	500-195565 COC	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 N 32nd Street Milwaukee WI 53208		Telephone # (incl area code) N/A	KSingh Project # 40420

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

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 3-3-21 @ 16:00	Laboratory Name <b>TestAmerica</b>	Received By (Signature) <i>[Signature]</i>	Temperature Blank
Relinquished By (Signature) <i>[Signature]</i>	Date/Time 3-3-21 17:00	Received By (Signature) <i>[Signature]</i> <b>ATA 3/4/21 1000</b>		If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.

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

Date Collected	Time Collected	Samples		Location/Description (2)	8260B VOC	Sample Condition				
		Type (1)	Device			# / Type of Container			Other Comment	
						MeOH		Unpres		
3/3/2021	13:25	S	H.A	SS-32	x	1			1	

NOTE(S)

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

-0.6, 0.1

# Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-195565-1

**Login Number: 195565**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Buckley, Paula M**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	-0.6, 0.1 samples were not frozen
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

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

Laboratory Job ID: 500-195818-1

Client Project/Site: Community Within the Corridor - 40420

**For:**

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

Attn: Mr. Robert Reineke



*Authorized for release by:  
3/17/2021 1:57:32 PM*

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

### LINKS

Review your project  
results through  
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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*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 - 40420

Job ID: 500-195818-1

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## Job ID: 500-195818-1

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### Laboratory: Eurofins TestAmerica, Chicago

#### Narrative

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#### Job Narrative 500-195818-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/10/2021 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.9° C.

#### GC/MS VOA

Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. SS-19 (0'-1') (500-195818-5)

Method 8260B: The laboratory control sample (LCS) for 588701 recovered outside control limits for several analytes. This is a prepped 5035 LCS, The daily instrument LCS was acceptable, and the data have been reported.

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.

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# Detection Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

## Client Sample ID: SS-1 (0'-1')

## Lab Sample ID: 500-195818-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.13		0.075	0.029	mg/Kg	50	✳	8260B	Total/NA
1,1-Dichloroethane	0.13		0.075	0.031	mg/Kg	50	✳	8260B	Total/NA
1,2,4-Trimethylbenzene	9.0		0.075	0.027	mg/Kg	50	✳	8260B	Total/NA
1,3,5-Trimethylbenzene	0.13		0.075	0.029	mg/Kg	50	✳	8260B	Total/NA
Benzene	0.28		0.019	0.011	mg/Kg	50	✳	8260B	Total/NA
cis-1,2-Dichloroethene	0.88		0.075	0.031	mg/Kg	50	✳	8260B	Total/NA
Ethylbenzene	0.74		0.019	0.014	mg/Kg	50	✳	8260B	Total/NA
Isopropylbenzene	0.54		0.075	0.029	mg/Kg	50	✳	8260B	Total/NA
Naphthalene	1.2		0.075	0.025	mg/Kg	50	✳	8260B	Total/NA
n-Butylbenzene	3.7		0.075	0.029	mg/Kg	50	✳	8260B	Total/NA
N-Propylbenzene	1.2		0.075	0.031	mg/Kg	50	✳	8260B	Total/NA
p-Isopropyltoluene	0.91		0.075	0.027	mg/Kg	50	✳	8260B	Total/NA
sec-Butylbenzene	1.9		0.075	0.030	mg/Kg	50	✳	8260B	Total/NA
tert-Butylbenzene	0.20		0.075	0.030	mg/Kg	50	✳	8260B	Total/NA
Toluene	0.14		0.019	0.011	mg/Kg	50	✳	8260B	Total/NA
Vinyl chloride	0.23		0.075	0.020	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.34		0.038	0.017	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: SS-6 (0'-1')

## Lab Sample ID: 500-195818-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.011	J	0.017	0.010	mg/Kg	50	✳	8260B	Total/NA
cis-1,2-Dichloroethene	0.14		0.070	0.028	mg/Kg	50	✳	8260B	Total/NA
Naphthalene	0.028	J	0.070	0.023	mg/Kg	50	✳	8260B	Total/NA
Toluene	0.040		0.017	0.010	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	0.086	*+	0.035	0.011	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.033	J	0.035	0.015	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: SS-16 (0'-1')

## Lab Sample ID: 500-195818-3

No Detections.

## Client Sample ID: SS-17 (0'-1')

## Lab Sample ID: 500-195818-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.11		0.066	0.025	mg/Kg	50	✳	8260B	Total/NA
Naphthalene	0.12		0.066	0.022	mg/Kg	50	✳	8260B	Total/NA
Toluene	0.015	J	0.016	0.0097	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	0.13	*+	0.033	0.011	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.040		0.033	0.014	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: SS-19 (0'-1')

## Lab Sample ID: 500-195818-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.063	J	0.072	0.026	mg/Kg	50	✳	8260B	Total/NA
Naphthalene	0.13		0.072	0.024	mg/Kg	50	✳	8260B	Total/NA
Toluene	0.049		0.018	0.011	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	0.11	*+	0.036	0.012	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.15		0.036	0.016	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: SS-26 (0'-1')

## Lab Sample ID: 500-195818-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.072		0.061	0.022	mg/Kg	50	✳	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago



# Detection Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

## Client Sample ID: SS-26 (0'-1') (Continued)

Lab Sample ID: 500-195818-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.14		0.061	0.020	mg/Kg	50	✳	8260B	Total/NA
Styrene	0.12		0.061	0.023	mg/Kg	50	✳	8260B	Total/NA
Tetrachloroethene	0.090		0.061	0.023	mg/Kg	50	✳	8260B	Total/NA
Toluene	0.039		0.015	0.0089	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	7.3	*+	0.030	0.010	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.15		0.030	0.013	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: SS-51 (0'-1')

Lab Sample ID: 500-195818-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.025	J *+	0.028	0.0092	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: Trip Blank

Lab Sample ID: 500-195818-8

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 - 40420

Job ID: 500-195818-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	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 - 40420

Job ID: 500-195818-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-195818-1	SS-1 (0'-1')	Solid	03/09/21 11:30	03/10/21 09:35	
500-195818-2	SS-6 (0'-1')	Solid	03/09/21 11:40	03/10/21 09:35	
500-195818-3	SS-16 (0'-1')	Solid	03/09/21 11:45	03/10/21 09:35	
500-195818-4	SS-17 (0'-1')	Solid	03/09/21 12:00	03/10/21 09:35	
500-195818-5	SS-19 (0'-1')	Solid	03/09/21 11:50	03/10/21 09:35	
500-195818-6	SS-26 (0'-1')	Solid	03/09/21 12:30	03/10/21 09:35	
500-195818-7	SS-51 (0'-1')	Solid	03/09/21 13:00	03/10/21 09:35	
500-195818-8	Trip Blank	Solid	03/09/21 00:00	03/10/21 09:35	

# Client Sample Results

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-1 (0'-1')**

**Lab Sample ID: 500-195818-1**

**Date Collected: 03/09/21 11:30**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 79.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.035		0.075	0.035	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>1,1,1-Trichloroethane</b>	<b>0.13</b>		0.075	0.029	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,1,2,2-Tetrachloroethane	<0.030		0.075	0.030	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,1,2-Trichloroethane	<0.026		0.075	0.026	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>1,1-Dichloroethane</b>	<b>0.13</b>		0.075	0.031	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,1-Dichloroethene	<0.029		0.075	0.029	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,1-Dichloropropene	<0.022		0.075	0.022	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,2,3-Trichlorobenzene	<0.034		0.075	0.034	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,2,3-Trichloropropane	<0.031		0.15	0.031	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,2,4-Trichlorobenzene	<0.026		0.075	0.026	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>1,2,4-Trimethylbenzene</b>	<b>9.0</b>		0.075	0.027	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,2-Dibromo-3-Chloropropane	<0.15	*+	0.38	0.15	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,2-Dibromoethane	<0.029		0.075	0.029	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,2-Dichlorobenzene	<0.025	*+	0.075	0.025	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,2-Dichloroethane	<0.030		0.075	0.030	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,2-Dichloropropane	<0.032		0.075	0.032	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>1,3,5-Trimethylbenzene</b>	<b>0.13</b>		0.075	0.029	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,3-Dichlorobenzene	<0.030		0.075	0.030	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,3-Dichloropropane	<0.027		0.075	0.027	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
1,4-Dichlorobenzene	<0.027	*+	0.075	0.027	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
2,2-Dichloropropane	<0.033		0.075	0.033	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
2-Chlorotoluene	<0.024		0.075	0.024	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
4-Chlorotoluene	<0.026		0.075	0.026	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>Benzene</b>	<b>0.28</b>		0.019	0.011	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Bromobenzene	<0.027	*+	0.075	0.027	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Bromochloromethane	<0.032	*+	0.075	0.032	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Bromodichloromethane	<0.028		0.075	0.028	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Bromoform	<0.036		0.075	0.036	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Bromomethane	<0.060		0.23	0.060	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Carbon tetrachloride	<0.029		0.075	0.029	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Chlorobenzene	<0.029		0.075	0.029	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Chloroethane	<0.038		0.075	0.038	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Chloroform	<0.028		0.15	0.028	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Chloromethane	<0.024		0.075	0.024	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>cis-1,2-Dichloroethene</b>	<b>0.88</b>		0.075	0.031	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
cis-1,3-Dichloropropene	<0.031		0.075	0.031	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Dibromochloromethane	<0.037		0.075	0.037	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Dibromomethane	<0.020	*+	0.075	0.020	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Dichlorodifluoromethane	<0.051		0.23	0.051	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>Ethylbenzene</b>	<b>0.74</b>		0.019	0.014	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Hexachlorobutadiene	<0.034		0.075	0.034	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Isopropyl ether	<0.021		0.075	0.021	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>Isopropylbenzene</b>	<b>0.54</b>		0.075	0.029	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Methyl tert-butyl ether	<0.030		0.075	0.030	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
Methylene Chloride	<0.12		0.38	0.12	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>Naphthalene</b>	<b>1.2</b>		0.075	0.025	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>n-Butylbenzene</b>	<b>3.7</b>		0.075	0.029	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>N-Propylbenzene</b>	<b>1.2</b>		0.075	0.031	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50
<b>p-Isopropyltoluene</b>	<b>0.91</b>		0.075	0.027	mg/Kg	✳	03/09/21 11:30	03/16/21 11:43	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-1 (0'-1')**

**Lab Sample ID: 500-195818-1**

**Date Collected: 03/09/21 11:30**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 79.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>sec-Butylbenzene</b>	<b>1.9</b>		0.075	0.030	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
Styrene	<0.029		0.075	0.029	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
<b>tert-Butylbenzene</b>	<b>0.20</b>		0.075	0.030	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
Tetrachloroethene	<0.028		0.075	0.028	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
<b>Toluene</b>	<b>0.14</b>		0.019	0.011	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
trans-1,2-Dichloroethene	<0.026		0.075	0.026	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
trans-1,3-Dichloropropene	<0.027		0.075	0.027	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
Trichloroethene	<0.012	*+	0.038	0.012	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
Trichlorofluoromethane	<0.032	*+	0.075	0.032	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
<b>Vinyl chloride</b>	<b>0.23</b>		0.075	0.020	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50
<b>Xylenes, Total</b>	<b>0.34</b>		0.038	0.017	mg/Kg	☼	03/09/21 11:30	03/16/21 11:43	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 126	03/09/21 11:30	03/16/21 11:43	50
1,2-Dichloroethane-d4 (Surr)	108		75 - 126	03/09/21 11:30	03/16/21 12:10	500
4-Bromofluorobenzene (Surr)	80		72 - 124	03/09/21 11:30	03/16/21 11:43	50
4-Bromofluorobenzene (Surr)	96		72 - 124	03/09/21 11:30	03/16/21 12:10	500
Dibromofluoromethane (Surr)	105		75 - 120	03/09/21 11:30	03/16/21 11:43	50
Dibromofluoromethane (Surr)	105		75 - 120	03/09/21 11:30	03/16/21 12:10	500
Toluene-d8 (Surr)	96		75 - 120	03/09/21 11:30	03/16/21 11:43	50
Toluene-d8 (Surr)	94		75 - 120	03/09/21 11:30	03/16/21 12:10	500

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-6 (0'-1')**

**Lab Sample ID: 500-195818-2**

**Date Collected: 03/09/21 11:40**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 84.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.032		0.070	0.032	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,1,1-Trichloroethane	<0.026		0.070	0.026	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,1,2,2-Tetrachloroethane	<0.028		0.070	0.028	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,1,2-Trichloroethane	<0.025		0.070	0.025	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,1-Dichloroethane	<0.029		0.070	0.029	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,1-Dichloroethene	<0.027		0.070	0.027	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,1-Dichloropropene	<0.021		0.070	0.021	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2,3-Trichlorobenzene	<0.032		0.070	0.032	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2,3-Trichloropropane	<0.029		0.14	0.029	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2,4-Trichlorobenzene	<0.024		0.070	0.024	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2,4-Trimethylbenzene	<0.025		0.070	0.025	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2-Dibromo-3-Chloropropane	<0.14	*+	0.35	0.14	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2-Dibromoethane	<0.027		0.070	0.027	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2-Dichlorobenzene	<0.023	*+	0.070	0.023	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2-Dichloroethane	<0.027		0.070	0.027	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,2-Dichloropropane	<0.030		0.070	0.030	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,3,5-Trimethylbenzene	<0.026		0.070	0.026	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,3-Dichlorobenzene	<0.028		0.070	0.028	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,3-Dichloropropane	<0.025		0.070	0.025	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
1,4-Dichlorobenzene	<0.025	*+	0.070	0.025	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
2,2-Dichloropropane	<0.031		0.070	0.031	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
2-Chlorotoluene	<0.022		0.070	0.022	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
4-Chlorotoluene	<0.024		0.070	0.024	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
<b>Benzene</b>	<b>0.011</b>	<b>J</b>	0.017	0.010	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Bromobenzene	<0.025	*+	0.070	0.025	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Bromochloromethane	<0.030	*+	0.070	0.030	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Bromodichloromethane	<0.026		0.070	0.026	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Bromoform	<0.034		0.070	0.034	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Bromomethane	<0.056		0.21	0.056	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Carbon tetrachloride	<0.027		0.070	0.027	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Chlorobenzene	<0.027		0.070	0.027	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Chloroethane	<0.035		0.070	0.035	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Chloroform	<0.026		0.14	0.026	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Chloromethane	<0.022		0.070	0.022	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
<b>cis-1,2-Dichloroethene</b>	<b>0.14</b>		0.070	0.028	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
cis-1,3-Dichloropropene	<0.029		0.070	0.029	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Dibromochloromethane	<0.034		0.070	0.034	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Dibromomethane	<0.019	*+	0.070	0.019	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Dichlorodifluoromethane	<0.047		0.21	0.047	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Ethylbenzene	<0.013		0.017	0.013	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Hexachlorobutadiene	<0.031		0.070	0.031	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Isopropyl ether	<0.019		0.070	0.019	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Isopropylbenzene	<0.027		0.070	0.027	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Methyl tert-butyl ether	<0.027		0.070	0.027	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
Methylene Chloride	<0.11		0.35	0.11	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
<b>Naphthalene</b>	<b>0.028</b>	<b>J</b>	0.070	0.023	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
n-Butylbenzene	<0.027		0.070	0.027	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
N-Propylbenzene	<0.029		0.070	0.029	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50
p-Isopropyltoluene	<0.025		0.070	0.025	mg/Kg	✱	03/09/21 11:40	03/16/21 12:37	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-6 (0'-1')**

**Lab Sample ID: 500-195818-2**

**Date Collected: 03/09/21 11:40**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 84.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.028		0.070	0.028	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
Styrene	<0.027		0.070	0.027	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
tert-Butylbenzene	<0.028		0.070	0.028	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
Tetrachloroethene	<0.026		0.070	0.026	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
<b>Toluene</b>	<b>0.040</b>		0.017	0.010	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
trans-1,2-Dichloroethene	<0.024		0.070	0.024	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
trans-1,3-Dichloropropene	<0.025		0.070	0.025	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
<b>Trichloroethene</b>	<b>0.086</b>	<b>*+</b>	0.035	0.011	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
Trichlorofluoromethane	<0.030	*+	0.070	0.030	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
Vinyl chloride	<0.018		0.070	0.018	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
<b>Xylenes, Total</b>	<b>0.033</b>	<b>J</b>	0.035	0.015	mg/Kg	☼	03/09/21 11:40	03/16/21 12:37	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	105		75 - 126				03/09/21 11:40	03/16/21 12:37	50
4-Bromofluorobenzene (Surr)	99		72 - 124				03/09/21 11:40	03/16/21 12:37	50
Dibromofluoromethane (Surr)	102		75 - 120				03/09/21 11:40	03/16/21 12:37	50
Toluene-d8 (Surr)	96		75 - 120				03/09/21 11:40	03/16/21 12:37	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-16 (0'-1')**

**Lab Sample ID: 500-195818-3**

**Date Collected: 03/09/21 11:45**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 72.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.041		0.088	0.041	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,1,1-Trichloroethane	<0.033		0.088	0.033	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,1,2,2-Tetrachloroethane	<0.035		0.088	0.035	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,1,2-Trichloroethane	<0.031		0.088	0.031	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,1-Dichloroethane	<0.036		0.088	0.036	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,1-Dichloroethene	<0.034		0.088	0.034	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,1-Dichloropropene	<0.026		0.088	0.026	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2,3-Trichlorobenzene	<0.040		0.088	0.040	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2,3-Trichloropropane	<0.036		0.18	0.036	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2,4-Trichlorobenzene	<0.030		0.088	0.030	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2,4-Trimethylbenzene	<0.031		0.088	0.031	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2-Dibromo-3-Chloropropane	<0.17	*+	0.44	0.17	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2-Dibromoethane	<0.034		0.088	0.034	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2-Dichlorobenzene	<0.029	*+	0.088	0.029	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2-Dichloroethane	<0.034		0.088	0.034	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,2-Dichloropropane	<0.038		0.088	0.038	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,3,5-Trimethylbenzene	<0.033		0.088	0.033	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,3-Dichlorobenzene	<0.035		0.088	0.035	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,3-Dichloropropane	<0.032		0.088	0.032	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
1,4-Dichlorobenzene	<0.032	*+	0.088	0.032	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
2,2-Dichloropropane	<0.039		0.088	0.039	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
2-Chlorotoluene	<0.028		0.088	0.028	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
4-Chlorotoluene	<0.031		0.088	0.031	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Benzene	<0.013		0.022	0.013	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Bromobenzene	<0.031	*+	0.088	0.031	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Bromochloromethane	<0.038	*+	0.088	0.038	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Bromodichloromethane	<0.033		0.088	0.033	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Bromoform	<0.043		0.088	0.043	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Bromomethane	<0.070		0.26	0.070	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Carbon tetrachloride	<0.034		0.088	0.034	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Chlorobenzene	<0.034		0.088	0.034	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Chloroethane	<0.044		0.088	0.044	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Chloroform	<0.033		0.18	0.033	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Chloromethane	<0.028		0.088	0.028	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
cis-1,2-Dichloroethene	<0.036		0.088	0.036	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
cis-1,3-Dichloropropene	<0.037		0.088	0.037	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Dibromochloromethane	<0.043		0.088	0.043	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Dibromomethane	<0.024	*+	0.088	0.024	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Dichlorodifluoromethane	<0.059		0.26	0.059	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Ethylbenzene	<0.016		0.022	0.016	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Hexachlorobutadiene	<0.039		0.088	0.039	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Isopropyl ether	<0.024		0.088	0.024	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Isopropylbenzene	<0.034		0.088	0.034	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Methyl tert-butyl ether	<0.035		0.088	0.035	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Methylene Chloride	<0.14		0.44	0.14	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
Naphthalene	<0.029		0.088	0.029	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
n-Butylbenzene	<0.034		0.088	0.034	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
N-Propylbenzene	<0.036		0.088	0.036	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50
p-Isopropyltoluene	<0.032		0.088	0.032	mg/Kg	☆	03/09/21 11:45	03/16/21 13:03	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-16 (0'-1')**

**Lab Sample ID: 500-195818-3**

**Date Collected: 03/09/21 11:45**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 72.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.035		0.088	0.035	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
Styrene	<0.034		0.088	0.034	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
tert-Butylbenzene	<0.035		0.088	0.035	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
Tetrachloroethene	<0.033		0.088	0.033	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
Toluene	<0.013		0.022	0.013	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
trans-1,2-Dichloroethene	<0.031		0.088	0.031	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
trans-1,3-Dichloropropene	<0.032		0.088	0.032	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
Trichloroethene	<0.014	*+	0.044	0.014	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
Trichlorofluoromethane	<0.038	*+	0.088	0.038	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
Vinyl chloride	<0.023		0.088	0.023	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50
Xylenes, Total	<0.019		0.044	0.019	mg/Kg	✱	03/09/21 11:45	03/16/21 13:03	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 126	03/09/21 11:45	03/16/21 13:03	50
4-Bromofluorobenzene (Surr)	99		72 - 124	03/09/21 11:45	03/16/21 13:03	50
Dibromofluoromethane (Surr)	105		75 - 120	03/09/21 11:45	03/16/21 13:03	50
Toluene-d8 (Surr)	94		75 - 120	03/09/21 11:45	03/16/21 13:03	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-17 (0'-1')**

**Lab Sample ID: 500-195818-4**

**Date Collected: 03/09/21 12:00**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 86.0**

**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		0.066	0.030	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
<b>1,1,1-Trichloroethane</b>	<b>0.11</b>		0.066	0.025	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2,4-Trichlorobenzene	<0.022		0.066	0.022	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2,4-Trimethylbenzene	<0.024		0.066	0.024	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2-Dibromo-3-Chloropropane	<0.13	*+	0.33	0.13	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2-Dibromoethane	<0.025		0.066	0.025	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2-Dichlorobenzene	<0.022	*+	0.066	0.022	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,3-Dichlorobenzene	<0.026		0.066	0.026	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
1,4-Dichlorobenzene	<0.024	*+	0.066	0.024	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Benzene	<0.0096		0.016	0.0096	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Bromobenzene	<0.023	*+	0.066	0.023	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Bromochloromethane	<0.028	*+	0.066	0.028	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Bromodichloromethane	<0.024		0.066	0.024	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Bromoform	<0.032		0.066	0.032	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Bromomethane	<0.052		0.20	0.052	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Chlorobenzene	<0.025		0.066	0.025	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
cis-1,3-Dichloropropene	<0.027		0.066	0.027	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Dibromomethane	<0.018	*+	0.066	0.018	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Hexachlorobutadiene	<0.029		0.066	0.029	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
Methylene Chloride	<0.11		0.33	0.11	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
<b>Naphthalene</b>	<b>0.12</b>		0.066	0.022	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
n-Butylbenzene	<0.025		0.066	0.025	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	☆	03/09/21 12:00	03/16/21 13:30	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-17 (0'-1')**

**Lab Sample ID: 500-195818-4**

**Date Collected: 03/09/21 12:00**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 86.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
Styrene	<0.025		0.066	0.025	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
Tetrachloroethene	<0.024		0.066	0.024	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
<b>Toluene</b>	<b>0.015</b>	<b>J</b>	0.016	0.0097	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
<b>Trichloroethene</b>	<b>0.13</b>	<b>*+</b>	0.033	0.011	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
Trichlorofluoromethane	<0.028	*+	0.066	0.028	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50
<b>Xylenes, Total</b>	<b>0.040</b>		0.033	0.014	mg/Kg	☼	03/09/21 12:00	03/16/21 13:30	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 126	03/09/21 12:00	03/16/21 13:30	50
4-Bromofluorobenzene (Surr)	100		72 - 124	03/09/21 12:00	03/16/21 13:30	50
Dibromofluoromethane (Surr)	106		75 - 120	03/09/21 12:00	03/16/21 13:30	50
Toluene-d8 (Surr)	94		75 - 120	03/09/21 12:00	03/16/21 13:30	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-19 (0'-1')**

**Lab Sample ID: 500-195818-5**

Date Collected: 03/09/21 11:50

Matrix: Solid

Date Received: 03/10/21 09:35

Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.033		0.072	0.033	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,1,1-Trichloroethane	<0.027		0.072	0.027	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,1,2,2-Tetrachloroethane	<0.029		0.072	0.029	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,1,2-Trichloroethane	<0.025		0.072	0.025	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,1-Dichloroethane	<0.030		0.072	0.030	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,1-Dichloroethene	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,1-Dichloropropene	<0.022		0.072	0.022	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,2,3-Trichlorobenzene	<0.033		0.072	0.033	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,2,3-Trichloropropane	<0.030		0.14	0.030	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,2,4-Trichlorobenzene	<0.025		0.072	0.025	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
<b>1,2,4-Trimethylbenzene</b>	<b>0.063</b>	<b>J</b>	0.072	0.026	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,2-Dibromo-3-Chloropropane	<0.14	*+	0.36	0.14	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,2-Dibromoethane	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,2-Dichlorobenzene	<0.024	*+	0.072	0.024	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,2-Dichloroethane	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,2-Dichloropropane	<0.031		0.072	0.031	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,3,5-Trimethylbenzene	<0.027		0.072	0.027	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,3-Dichlorobenzene	<0.029		0.072	0.029	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,3-Dichloropropane	<0.026		0.072	0.026	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
1,4-Dichlorobenzene	<0.026	*+	0.072	0.026	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
2,2-Dichloropropane	<0.032		0.072	0.032	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
2-Chlorotoluene	<0.023		0.072	0.023	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
4-Chlorotoluene	<0.025		0.072	0.025	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Benzene	<0.011		0.018	0.011	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Bromobenzene	<0.026	*+	0.072	0.026	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Bromochloromethane	<0.031	*+	0.072	0.031	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Bromodichloromethane	<0.027		0.072	0.027	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Bromoform	<0.035		0.072	0.035	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Bromomethane	<0.057		0.22	0.057	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Carbon tetrachloride	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Chlorobenzene	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Chloroethane	<0.036		0.072	0.036	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Chloroform	<0.027		0.14	0.027	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Chloromethane	<0.023		0.072	0.023	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
cis-1,2-Dichloroethene	<0.029		0.072	0.029	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
cis-1,3-Dichloropropene	<0.030		0.072	0.030	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Dibromochloromethane	<0.035		0.072	0.035	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Dibromomethane	<0.019	*+	0.072	0.019	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Dichlorodifluoromethane	<0.049		0.22	0.049	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Ethylbenzene	<0.013		0.018	0.013	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Hexachlorobutadiene	<0.032		0.072	0.032	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Isopropyl ether	<0.020		0.072	0.020	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Isopropylbenzene	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Methyl tert-butyl ether	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Methylene Chloride	<0.12		0.36	0.12	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
<b>Naphthalene</b>	<b>0.13</b>		0.072	0.024	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
n-Butylbenzene	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
N-Propylbenzene	<0.030		0.072	0.030	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
p-Isopropyltoluene	<0.026		0.072	0.026	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-19 (0'-1')**

**Lab Sample ID: 500-195818-5**

**Date Collected: 03/09/21 11:50**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 94.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.029		0.072	0.029	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Styrene	<0.028		0.072	0.028	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
tert-Butylbenzene	<0.029		0.072	0.029	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Tetrachloroethene	<0.027		0.072	0.027	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
<b>Toluene</b>	<b>0.049</b>		0.018	0.011	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
trans-1,2-Dichloroethene	<0.025		0.072	0.025	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
trans-1,3-Dichloropropene	<0.026		0.072	0.026	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
<b>Trichloroethene</b>	<b>0.11</b>	<b>*+</b>	0.036	0.012	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Trichlorofluoromethane	<0.031	<b>*+</b>	0.072	0.031	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
Vinyl chloride	<0.019		0.072	0.019	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50
<b>Xylenes, Total</b>	<b>0.15</b>		0.036	0.016	mg/Kg	✳	03/09/21 11:50	03/16/21 13:57	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 126	03/09/21 11:50	03/16/21 13:57	50
4-Bromofluorobenzene (Surr)	101		72 - 124	03/09/21 11:50	03/16/21 13:57	50
Dibromofluoromethane (Surr)	104		75 - 120	03/09/21 11:50	03/16/21 13:57	50
Toluene-d8 (Surr)	96		75 - 120	03/09/21 11:50	03/16/21 13:57	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-26 (0'-1')**

**Lab Sample ID: 500-195818-6**

**Date Collected: 03/09/21 12:30**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 89.3**

**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		0.061	0.028	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,1,1-Trichloroethane	<0.023		0.061	0.023	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,1,2,2-Tetrachloroethane	<0.024		0.061	0.024	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,1,2-Trichloroethane	<0.021		0.061	0.021	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,1-Dichloroethane	<0.025		0.061	0.025	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,1-Dichloroethene	<0.024		0.061	0.024	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,1-Dichloropropene	<0.018		0.061	0.018	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,2,3-Trichlorobenzene	<0.028		0.061	0.028	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,2,4-Trichlorobenzene	<0.021		0.061	0.021	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
<b>1,2,4-Trimethylbenzene</b>	<b>0.072</b>		0.061	0.022	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,2-Dibromo-3-Chloropropane	<0.12	*+	0.30	0.12	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,2-Dibromoethane	<0.023		0.061	0.023	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,2-Dichlorobenzene	<0.020	*+	0.061	0.020	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,2-Dichloroethane	<0.024		0.061	0.024	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,2-Dichloropropane	<0.026		0.061	0.026	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,3,5-Trimethylbenzene	<0.023		0.061	0.023	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,3-Dichlorobenzene	<0.024		0.061	0.024	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,3-Dichloropropane	<0.022		0.061	0.022	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
1,4-Dichlorobenzene	<0.022	*+	0.061	0.022	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
2,2-Dichloropropane	<0.027		0.061	0.027	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
2-Chlorotoluene	<0.019		0.061	0.019	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
4-Chlorotoluene	<0.021		0.061	0.021	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Benzene	<0.0089		0.015	0.0089	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Bromobenzene	<0.022	*+	0.061	0.022	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Bromochloromethane	<0.026	*+	0.061	0.026	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Bromodichloromethane	<0.023		0.061	0.023	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Bromoform	<0.029		0.061	0.029	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Bromomethane	<0.048		0.18	0.048	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Carbon tetrachloride	<0.023		0.061	0.023	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Chlorobenzene	<0.023		0.061	0.023	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Chloroethane	<0.031		0.061	0.031	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Chloromethane	<0.019		0.061	0.019	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
cis-1,2-Dichloroethene	<0.025		0.061	0.025	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
cis-1,3-Dichloropropene	<0.025		0.061	0.025	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Dibromochloromethane	<0.030		0.061	0.030	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Dibromomethane	<0.016	*+	0.061	0.016	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Hexachlorobutadiene	<0.027		0.061	0.027	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Isopropyl ether	<0.017		0.061	0.017	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Isopropylbenzene	<0.023		0.061	0.023	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Methyl tert-butyl ether	<0.024		0.061	0.024	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
Methylene Chloride	<0.099		0.30	0.099	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
<b>Naphthalene</b>	<b>0.14</b>		0.061	0.020	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
n-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
N-Propylbenzene	<0.025		0.061	0.025	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50
p-Isopropyltoluene	<0.022		0.061	0.022	mg/Kg	✱	03/09/21 12:30	03/16/21 14:23	50

Euofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-26 (0'-1')**

**Lab Sample ID: 500-195818-6**

Date Collected: 03/09/21 12:30

Matrix: Solid

Date Received: 03/10/21 09:35

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
<b>Styrene</b>	<b>0.12</b>		0.061	0.023	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
tert-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
<b>Tetrachloroethene</b>	<b>0.090</b>		0.061	0.023	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
<b>Toluene</b>	<b>0.039</b>		0.015	0.0089	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
trans-1,2-Dichloroethene	<0.021		0.061	0.021	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
trans-1,3-Dichloropropene	<0.022		0.061	0.022	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
<b>Trichloroethene</b>	<b>7.3</b>	<b>*+</b>	0.030	0.010	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
Trichlorofluoromethane	<0.026	<b>*+</b>	0.061	0.026	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
Vinyl chloride	<0.016		0.061	0.016	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50
<b>Xylenes, Total</b>	<b>0.15</b>		0.030	0.013	mg/Kg	☼	03/09/21 12:30	03/16/21 14:23	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 126	03/09/21 12:30	03/16/21 14:23	50
1,2-Dichloroethane-d4 (Surr)	107		75 - 126	03/09/21 12:30	03/16/21 14:50	500
4-Bromofluorobenzene (Surr)	99		72 - 124	03/09/21 12:30	03/16/21 14:23	50
4-Bromofluorobenzene (Surr)	100		72 - 124	03/09/21 12:30	03/16/21 14:50	500
Dibromofluoromethane (Surr)	102		75 - 120	03/09/21 12:30	03/16/21 14:23	50
Dibromofluoromethane (Surr)	104		75 - 120	03/09/21 12:30	03/16/21 14:50	500
Toluene-d8 (Surr)	96		75 - 120	03/09/21 12:30	03/16/21 14:23	50
Toluene-d8 (Surr)	96		75 - 120	03/09/21 12:30	03/16/21 14:50	500

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-51 (0'-1')**

**Lab Sample ID: 500-195818-7**

**Date Collected: 03/09/21 13:00**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 94.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.026		0.056	0.026	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,1,1-Trichloroethane	<0.021		0.056	0.021	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,1,2,2-Tetrachloroethane	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,1,2-Trichloroethane	<0.020		0.056	0.020	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,1-Dichloroethane	<0.023		0.056	0.023	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,1-Dichloroethene	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,1-Dichloropropene	<0.017		0.056	0.017	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2,3-Trichlorobenzene	<0.026		0.056	0.026	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2,3-Trichloropropane	<0.023		0.11	0.023	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2,4-Trichlorobenzene	<0.019		0.056	0.019	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2,4-Trimethylbenzene	<0.020		0.056	0.020	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2-Dibromo-3-Chloropropane	<0.11	+	0.28	0.11	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2-Dibromoethane	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2-Dichlorobenzene	<0.019	+	0.056	0.019	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2-Dichloroethane	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,2-Dichloropropane	<0.024		0.056	0.024	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,3,5-Trimethylbenzene	<0.021		0.056	0.021	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,3-Dichlorobenzene	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,3-Dichloropropane	<0.020		0.056	0.020	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
1,4-Dichlorobenzene	<0.020	+	0.056	0.020	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
2,2-Dichloropropane	<0.025		0.056	0.025	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
2-Chlorotoluene	<0.018		0.056	0.018	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
4-Chlorotoluene	<0.020		0.056	0.020	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Benzene	<0.0082		0.014	0.0082	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Bromobenzene	<0.020	+	0.056	0.020	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Bromochloromethane	<0.024	+	0.056	0.024	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Bromodichloromethane	<0.021		0.056	0.021	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Bromoform	<0.027		0.056	0.027	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Bromomethane	<0.045		0.17	0.045	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Carbon tetrachloride	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Chlorobenzene	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Chloroethane	<0.028		0.056	0.028	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Chloroform	<0.021		0.11	0.021	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Chloromethane	<0.018		0.056	0.018	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
cis-1,2-Dichloroethene	<0.023		0.056	0.023	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
cis-1,3-Dichloropropene	<0.023		0.056	0.023	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Dibromochloromethane	<0.027		0.056	0.027	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Dibromomethane	<0.015	+	0.056	0.015	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Dichlorodifluoromethane	<0.038		0.17	0.038	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Ethylbenzene	<0.010		0.014	0.010	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Hexachlorobutadiene	<0.025		0.056	0.025	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Isopropyl ether	<0.015		0.056	0.015	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Isopropylbenzene	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Methyl tert-butyl ether	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Methylene Chloride	<0.091		0.28	0.091	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
Naphthalene	<0.019		0.056	0.019	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
n-Butylbenzene	<0.022		0.056	0.022	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
N-Propylbenzene	<0.023		0.056	0.023	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50
p-Isopropyltoluene	<0.020		0.056	0.020	mg/Kg	✳	03/09/21 13:00	03/16/21 15:17	50

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-51 (0'-1')**

**Lab Sample ID: 500-195818-7**

**Date Collected: 03/09/21 13:00**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**Percent Solids: 94.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.022		0.056	0.022	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
Styrene	<0.022		0.056	0.022	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
tert-Butylbenzene	<0.022		0.056	0.022	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
Tetrachloroethene	<0.021		0.056	0.021	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
Toluene	<0.0082		0.014	0.0082	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
trans-1,2-Dichloroethene	<0.020		0.056	0.020	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
trans-1,3-Dichloropropene	<0.020		0.056	0.020	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
<b>Trichloroethene</b>	<b>0.025</b>	<b>J **</b>	0.028	0.0092	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
Trichlorofluoromethane	<0.024	*+	0.056	0.024	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
Vinyl chloride	<0.015		0.056	0.015	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50
Xylenes, Total	<0.012		0.028	0.012	mg/Kg	☼	03/09/21 13:00	03/16/21 15:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 126	03/09/21 13:00	03/16/21 15:17	50
4-Bromofluorobenzene (Surr)	98		72 - 124	03/09/21 13:00	03/16/21 15:17	50
Dibromofluoromethane (Surr)	107		75 - 120	03/09/21 13:00	03/16/21 15:17	50
Toluene-d8 (Surr)	96		75 - 120	03/09/21 13:00	03/16/21 15:17	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-195818-8**

**Date Collected: 03/09/21 00:00**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**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		03/09/21 00:00	03/16/21 15:43	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2-Dibromo-3-Chloropropane	<0.10	*+	0.25	0.10	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2-Dichlorobenzene	<0.017	*+	0.050	0.017	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
1,4-Dichlorobenzene	<0.018	*+	0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Bromobenzene	<0.018	*+	0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Bromochloromethane	<0.021	*+	0.050	0.021	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Dibromomethane	<0.014	*+	0.050	0.014	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-195818-8**

**Date Collected: 03/09/21 00:00**

**Matrix: Solid**

**Date Received: 03/10/21 09:35**

**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		03/09/21 00:00	03/16/21 15:43	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Trichloroethene	<0.0082	*+	0.025	0.0082	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Trichlorofluoromethane	<0.021	*+	0.050	0.021	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/09/21 00:00	03/16/21 15:43	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	108		75 - 126				03/09/21 00:00	03/16/21 15:43	50
4-Bromofluorobenzene (Surr)	100		72 - 124				03/09/21 00:00	03/16/21 15:43	50
Dibromofluoromethane (Surr)	107		75 - 120				03/09/21 00:00	03/16/21 15:43	50
Toluene-d8 (Surr)	95		75 - 120				03/09/21 00:00	03/16/21 15:43	50

# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

## 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 - 40420

Job ID: 500-195818-1

## GC/MS VOA

### Prep Batch: 588701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195818-1	SS-1 (0'-1')	Total/NA	Solid	5035	
500-195818-2	SS-6 (0'-1')	Total/NA	Solid	5035	
500-195818-3	SS-16 (0'-1')	Total/NA	Solid	5035	
500-195818-4	SS-17 (0'-1')	Total/NA	Solid	5035	
500-195818-5	SS-19 (0'-1')	Total/NA	Solid	5035	
500-195818-6	SS-26 (0'-1')	Total/NA	Solid	5035	
500-195818-7	SS-51 (0'-1')	Total/NA	Solid	5035	
500-195818-8	Trip Blank	Total/NA	Solid	5035	
LB3 500-588701/20-A	Method Blank	Total/NA	Solid	5035	
LCS 500-588701/21-A	Lab Control Sample	Total/NA	Solid	5035	

### Analysis Batch: 588760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195818-1	SS-1 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-1	SS-1 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-2	SS-6 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-3	SS-16 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-4	SS-17 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-5	SS-19 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-6	SS-26 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-6	SS-26 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-7	SS-51 (0'-1')	Total/NA	Solid	8260B	588701
500-195818-8	Trip Blank	Total/NA	Solid	8260B	588701
LB3 500-588701/20-A	Method Blank	Total/NA	Solid	8260B	588701
MB 500-588760/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-588701/21-A	Lab Control Sample	Total/NA	Solid	8260B	588701
LCS 500-588760/4	Lab Control Sample	Total/NA	Solid	8260B	

## General Chemistry

### Analysis Batch: 587997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195818-1	SS-1 (0'-1')	Total/NA	Solid	Moisture	
500-195818-2	SS-6 (0'-1')	Total/NA	Solid	Moisture	
500-195818-3	SS-16 (0'-1')	Total/NA	Solid	Moisture	
500-195818-4	SS-17 (0'-1')	Total/NA	Solid	Moisture	
500-195818-5	SS-19 (0'-1')	Total/NA	Solid	Moisture	
500-195818-6	SS-26 (0'-1')	Total/NA	Solid	Moisture	
500-195818-7	SS-51 (0'-1')	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

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

**Matrix: Solid**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(75-126)	(72-124)	(75-120)	(75-120)
500-195818-1	SS-1 (0'-1')	106	80	105	96
500-195818-1	SS-1 (0'-1')	108	96	105	94
500-195818-2	SS-6 (0'-1')	105	99	102	96
500-195818-3	SS-16 (0'-1')	106	99	105	94
500-195818-4	SS-17 (0'-1')	107	100	106	94
500-195818-5	SS-19 (0'-1')	107	101	104	96
500-195818-6	SS-26 (0'-1')	104	99	102	96
500-195818-6	SS-26 (0'-1')	107	100	104	96
500-195818-7	SS-51 (0'-1')	108	98	107	96
500-195818-8	Trip Blank	108	100	107	95
LB3 500-588701/20-A	Method Blank	107	99	105	96
LCS 500-588701/21-A	Lab Control Sample	106	93	104	98
LCS 500-588760/4	Lab Control Sample	105	97	105	98
MB 500-588760/6	Method Blank	108	100	105	96

### 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 - 40420

Job ID: 500-195818-1

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

**Lab Sample ID: LB3 500-588701/20-A**  
**Matrix: Solid**  
**Analysis Batch: 588760**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 588701**

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		03/15/21 23:15	03/16/21 11:17	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/15/21 23:15	03/16/21 11:17	50

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

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

**Lab Sample ID: LB3 500-588701/20-A**  
**Matrix: Solid**  
**Analysis Batch: 588760**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 588701**

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/15/21 23:15	03/16/21 11:17	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/15/21 23:15	03/16/21 11:17	50

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 126	03/15/21 23:15	03/16/21 11:17	50
4-Bromofluorobenzene (Surr)	99		72 - 124	03/15/21 23:15	03/16/21 11:17	50
Dibromofluoromethane (Surr)	105		75 - 120	03/15/21 23:15	03/16/21 11:17	50
Toluene-d8 (Surr)	96		75 - 120	03/15/21 23:15	03/16/21 11:17	50

**Lab Sample ID: LCS 500-588701/21-A**  
**Matrix: Solid**  
**Analysis Batch: 588760**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 588701**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1,2-Tetrachloroethane	2.50	3.12		mg/Kg		125	70 - 125
1,1,1-Trichloroethane	2.50	3.02		mg/Kg		121	70 - 125
1,1,1,2,2-Tetrachloroethane	2.50	2.93		mg/Kg		117	62 - 140
1,1,1,2-Trichloroethane	2.50	3.04		mg/Kg		122	71 - 130
1,1-Dichloroethane	2.50	2.91		mg/Kg		116	70 - 125
1,1-Dichloroethene	2.50	2.91		mg/Kg		117	67 - 122
1,1-Dichloropropene	2.50	2.90		mg/Kg		116	70 - 121
1,2,3-Trichlorobenzene	2.50	3.34		mg/Kg		134	51 - 145
1,2,3-Trichloropropane	2.50	3.14		mg/Kg		126	50 - 133
1,2,4-Trichlorobenzene	2.50	3.19		mg/Kg		128	57 - 137
1,2,4-Trimethylbenzene	2.50	2.92		mg/Kg		117	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	3.19	*+	mg/Kg		127	56 - 123
1,2-Dibromoethane	2.50	3.13		mg/Kg		125	70 - 125
1,2-Dichlorobenzene	2.50	3.15	*+	mg/Kg		126	70 - 125
1,2-Dichloroethane	2.50	3.11		mg/Kg		125	68 - 127
1,2-Dichloropropane	2.50	2.87		mg/Kg		115	67 - 130
1,3,5-Trimethylbenzene	2.50	2.96		mg/Kg		119	70 - 123
1,3-Dichlorobenzene	2.50	3.02		mg/Kg		121	70 - 125
1,3-Dichloropropane	2.50	3.00		mg/Kg		120	62 - 136
1,4-Dichlorobenzene	2.50	3.02	*+	mg/Kg		121	70 - 120
2,2-Dichloropropane	2.50	2.82		mg/Kg		113	58 - 139
2-Chlorotoluene	2.50	2.86		mg/Kg		114	70 - 125
4-Chlorotoluene	2.50	2.93		mg/Kg		117	68 - 124
Benzene	2.50	2.92		mg/Kg		117	70 - 120

Eurofins TestAmerica, Chicago



# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

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

**Lab Sample ID: LCS 500-588701/21-A**  
**Matrix: Solid**  
**Analysis Batch: 588760**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 588701**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	3.07	*+	mg/Kg		123	70 - 122
Bromochloromethane	2.50	3.19	*+	mg/Kg		127	65 - 122
Bromodichloromethane	2.50	2.94		mg/Kg		117	69 - 120
Bromoform	2.50	3.10		mg/Kg		124	56 - 132
Bromomethane	2.50	3.38		mg/Kg		135	40 - 152
Carbon tetrachloride	2.50	3.01		mg/Kg		120	59 - 133
Chlorobenzene	2.50	2.98		mg/Kg		119	70 - 120
Chloroethane	2.50	3.29		mg/Kg		132	48 - 136
Chloroform	2.50	3.00		mg/Kg		120	70 - 120
Chloromethane	2.50	2.95		mg/Kg		118	56 - 152
cis-1,2-Dichloroethene	2.50	2.99		mg/Kg		119	70 - 125
cis-1,3-Dichloropropene	2.50	2.83		mg/Kg		113	64 - 127
Dibromochloromethane	2.50	3.03		mg/Kg		121	68 - 125
Dibromomethane	2.50	3.11	*+	mg/Kg		124	70 - 120
Dichlorodifluoromethane	2.50	2.83		mg/Kg		113	40 - 159
Ethylbenzene	2.50	2.85		mg/Kg		114	70 - 123
Hexachlorobutadiene	2.50	3.27		mg/Kg		131	51 - 150
Isopropylbenzene	2.50	2.91		mg/Kg		117	70 - 126
Methyl tert-butyl ether	2.50	2.95		mg/Kg		118	55 - 123
Methylene Chloride	2.50	3.01		mg/Kg		120	69 - 125
Naphthalene	2.50	3.31		mg/Kg		133	53 - 144
n-Butylbenzene	2.50	2.88		mg/Kg		115	68 - 125
N-Propylbenzene	2.50	2.88		mg/Kg		115	69 - 127
p-Isopropyltoluene	2.50	2.99		mg/Kg		119	70 - 125
sec-Butylbenzene	2.50	2.95		mg/Kg		118	70 - 123
Styrene	2.50	2.93		mg/Kg		117	70 - 120
tert-Butylbenzene	2.50	2.97		mg/Kg		119	70 - 121
Tetrachloroethene	2.50	3.15		mg/Kg		126	70 - 128
Toluene	2.50	2.88		mg/Kg		115	70 - 125
trans-1,2-Dichloroethene	2.50	3.03		mg/Kg		121	70 - 125
trans-1,3-Dichloropropene	2.50	2.81		mg/Kg		112	62 - 128
Trichloroethene	2.50	3.18	*+	mg/Kg		127	70 - 125
Trichlorofluoromethane	2.50	3.31	*+	mg/Kg		133	55 - 128
Vinyl chloride	2.50	3.09		mg/Kg		123	64 - 126
Xylenes, Total	5.00	5.65		mg/Kg		113	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		75 - 126
4-Bromofluorobenzene (Surr)	93		72 - 124
Dibromofluoromethane (Surr)	104		75 - 120
Toluene-d8 (Surr)	98		75 - 120

**Lab Sample ID: MB 500-588760/6**  
**Matrix: Solid**  
**Analysis Batch: 588760**

**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			03/16/21 10:50	1

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# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

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

**Lab Sample ID: MB 500-588760/6**  
**Matrix: Solid**  
**Analysis Batch: 588760**

**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			03/16/21 10:50	1
1,1,1,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/16/21 10:50	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/16/21 10:50	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/16/21 10:50	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/16/21 10:50	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/16/21 10:50	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/16/21 10:50	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/16/21 10:50	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/16/21 10:50	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/16/21 10:50	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/16/21 10:50	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/16/21 10:50	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/16/21 10:50	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/16/21 10:50	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/16/21 10:50	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/16/21 10:50	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/16/21 10:50	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/16/21 10:50	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/16/21 10:50	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/16/21 10:50	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/16/21 10:50	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/16/21 10:50	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/16/21 10:50	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/16/21 10:50	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/16/21 10:50	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/16/21 10:50	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/16/21 10:50	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/16/21 10:50	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/16/21 10:50	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/16/21 10:50	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/16/21 10:50	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/16/21 10:50	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/16/21 10:50	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/16/21 10:50	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/16/21 10:50	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/16/21 10:50	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/16/21 10:50	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/16/21 10:50	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/16/21 10:50	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/16/21 10:50	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/16/21 10:50	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/16/21 10:50	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/16/21 10:50	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/16/21 10:50	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/16/21 10:50	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/16/21 10:50	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/16/21 10:50	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/16/21 10:50	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/16/21 10:50	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

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

**Lab Sample ID: MB 500-588760/6**  
**Matrix: Solid**  
**Analysis Batch: 588760**

**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			03/16/21 10:50	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/16/21 10:50	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/16/21 10:50	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/16/21 10:50	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/16/21 10:50	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/16/21 10:50	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/16/21 10:50	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/16/21 10:50	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/16/21 10:50	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/16/21 10:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 126		03/16/21 10:50	1
4-Bromofluorobenzene (Surr)	100		72 - 124		03/16/21 10:50	1
Dibromofluoromethane (Surr)	105		75 - 120		03/16/21 10:50	1
Toluene-d8 (Surr)	96		75 - 120		03/16/21 10:50	1

**Lab Sample ID: LCS 500-588760/4**  
**Matrix: Solid**  
**Analysis Batch: 588760**

**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	0.0517		mg/Kg		103	70 - 125
1,1,1-Trichloroethane	0.0500	0.0509		mg/Kg		102	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0466		mg/Kg		93	62 - 140
1,1,2-Trichloroethane	0.0500	0.0487		mg/Kg		97	71 - 130
1,1-Dichloroethane	0.0500	0.0487		mg/Kg		97	70 - 125
1,1-Dichloroethene	0.0500	0.0530		mg/Kg		106	67 - 122
1,1-Dichloropropene	0.0500	0.0494		mg/Kg		99	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0554		mg/Kg		111	51 - 145
1,2,3-Trichloropropane	0.0500	0.0501		mg/Kg		100	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0546		mg/Kg		109	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0478		mg/Kg		96	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0519		mg/Kg		104	56 - 123
1,2-Dibromoethane	0.0500	0.0503		mg/Kg		101	70 - 125
1,2-Dichlorobenzene	0.0500	0.0505		mg/Kg		101	70 - 125
1,2-Dichloroethane	0.0500	0.0512		mg/Kg		102	68 - 127
1,2-Dichloropropane	0.0500	0.0457		mg/Kg		91	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0486		mg/Kg		97	70 - 123
1,3-Dichlorobenzene	0.0500	0.0496		mg/Kg		99	70 - 125
1,3-Dichloropropane	0.0500	0.0471		mg/Kg		94	62 - 136
1,4-Dichlorobenzene	0.0500	0.0491		mg/Kg		98	70 - 120
2,2-Dichloropropane	0.0500	0.0495		mg/Kg		99	58 - 139
2-Chlorotoluene	0.0500	0.0468		mg/Kg		94	70 - 125
4-Chlorotoluene	0.0500	0.0477		mg/Kg		95	68 - 124
Benzene	0.0500	0.0478		mg/Kg		96	70 - 120
Bromobenzene	0.0500	0.0500		mg/Kg		100	70 - 122
Bromochloromethane	0.0500	0.0517		mg/Kg		103	65 - 122

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

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

**Lab Sample ID: LCS 500-588760/4**

**Matrix: Solid**

**Analysis Batch: 588760**

**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	0.0478		mg/Kg		96	69 - 120
Bromoform	0.0500	0.0526		mg/Kg		105	56 - 132
Bromomethane	0.0500	0.0496		mg/Kg		99	40 - 152
Carbon tetrachloride	0.0500	0.0517		mg/Kg		103	59 - 133
Chlorobenzene	0.0500	0.0482		mg/Kg		96	70 - 120
Chloroethane	0.0500	0.0497		mg/Kg		99	48 - 136
Chloroform	0.0500	0.0495		mg/Kg		99	70 - 120
Chloromethane	0.0500	0.0483		mg/Kg		97	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0493		mg/Kg		99	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0465		mg/Kg		93	64 - 127
Dibromochloromethane	0.0500	0.0494		mg/Kg		99	68 - 125
Dibromomethane	0.0500	0.0506		mg/Kg		101	70 - 120
Dichlorodifluoromethane	0.0500	0.0540		mg/Kg		108	40 - 159
Ethylbenzene	0.0500	0.0472		mg/Kg		94	70 - 123
Hexachlorobutadiene	0.0500	0.0569		mg/Kg		114	51 - 150
Isopropylbenzene	0.0500	0.0482		mg/Kg		96	70 - 126
Methyl tert-butyl ether	0.0500	0.0496		mg/Kg		99	55 - 123
Methylene Chloride	0.0500	0.0508		mg/Kg		102	69 - 125
Naphthalene	0.0500	0.0544		mg/Kg		109	53 - 144
n-Butylbenzene	0.0500	0.0487		mg/Kg		97	68 - 125
N-Propylbenzene	0.0500	0.0473		mg/Kg		95	69 - 127
p-Isopropyltoluene	0.0500	0.0493		mg/Kg		99	70 - 125
sec-Butylbenzene	0.0500	0.0482		mg/Kg		96	70 - 123
Styrene	0.0500	0.0474		mg/Kg		95	70 - 120
tert-Butylbenzene	0.0500	0.0488		mg/Kg		98	70 - 121
Tetrachloroethene	0.0500	0.0524		mg/Kg		105	70 - 128
Toluene	0.0500	0.0467		mg/Kg		93	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0508		mg/Kg		102	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0454		mg/Kg		91	62 - 128
Trichloroethene	0.0500	0.0526		mg/Kg		105	70 - 125
Trichlorofluoromethane	0.0500	0.0551		mg/Kg		110	55 - 128
Vinyl chloride	0.0500	0.0506		mg/Kg		101	64 - 126
Xylenes, Total	0.100	0.0939		mg/Kg		94	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		75 - 126
4-Bromofluorobenzene (Surr)	97		72 - 124
Dibromofluoromethane (Surr)	105		75 - 120
Toluene-d8 (Surr)	98		75 - 120

# Lab Chronicle

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-1 (0'-1')**  
**Date Collected: 03/09/21 11:30**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-1**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	03/10/21 14:15	LWN	TAL CHI

**Client Sample ID: SS-1 (0'-1')**  
**Date Collected: 03/09/21 11:30**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-1**  
**Matrix: Solid**  
**Percent Solids: 79.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			588701	03/09/21 11:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	588760	03/16/21 11:43	PMF	TAL CHI
Total/NA	Prep	5035			588701	03/09/21 11:30	WRE	TAL CHI
Total/NA	Analysis	8260B		500	588760	03/16/21 12:10	PMF	TAL CHI

**Client Sample ID: SS-6 (0'-1')**  
**Date Collected: 03/09/21 11:40**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-2**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	03/10/21 14:15	LWN	TAL CHI

**Client Sample ID: SS-6 (0'-1')**  
**Date Collected: 03/09/21 11:40**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-2**  
**Matrix: Solid**  
**Percent Solids: 84.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			588701	03/09/21 11:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	588760	03/16/21 12:37	PMF	TAL CHI

**Client Sample ID: SS-16 (0'-1')**  
**Date Collected: 03/09/21 11:45**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-3**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	03/10/21 14:15	LWN	TAL CHI

**Client Sample ID: SS-16 (0'-1')**  
**Date Collected: 03/09/21 11:45**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-3**  
**Matrix: Solid**  
**Percent Solids: 72.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			588701	03/09/21 11:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	588760	03/16/21 13:03	PMF	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-17 (0'-1')**  
**Date Collected: 03/09/21 12:00**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-4**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	03/10/21 14:15	LWN	TAL CHI

**Client Sample ID: SS-17 (0'-1')**  
**Date Collected: 03/09/21 12:00**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-4**  
**Matrix: Solid**  
**Percent Solids: 86.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			588701	03/09/21 12:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	588760	03/16/21 13:30	PMF	TAL CHI

**Client Sample ID: SS-19 (0'-1')**  
**Date Collected: 03/09/21 11:50**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-5**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	03/10/21 14:15	LWN	TAL CHI

**Client Sample ID: SS-19 (0'-1')**  
**Date Collected: 03/09/21 11:50**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-5**  
**Matrix: Solid**  
**Percent Solids: 94.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			588701	03/09/21 11:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	588760	03/16/21 13:57	PMF	TAL CHI

**Client Sample ID: SS-26 (0'-1')**  
**Date Collected: 03/09/21 12:30**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-6**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	03/10/21 14:15	LWN	TAL CHI

**Client Sample ID: SS-26 (0'-1')**  
**Date Collected: 03/09/21 12:30**  
**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-6**  
**Matrix: Solid**  
**Percent Solids: 89.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			588701	03/09/21 12:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	588760	03/16/21 14:23	PMF	TAL CHI
Total/NA	Prep	5035			588701	03/09/21 12:30	WRE	TAL CHI
Total/NA	Analysis	8260B		500	588760	03/16/21 14:50	PMF	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195818-1

**Client Sample ID: SS-51 (0'-1')**

**Date Collected: 03/09/21 13:00**

**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	03/10/21 14:15	LWN	TAL CHI

**Client Sample ID: SS-51 (0'-1')**

**Date Collected: 03/09/21 13:00**

**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-7**

**Matrix: Solid**

**Percent Solids: 94.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			588701	03/09/21 13:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	588760	03/16/21 15:17	PMF	TAL CHI

**Client Sample ID: Trip Blank**

**Date Collected: 03/09/21 00:00**

**Date Received: 03/10/21 09:35**

**Lab Sample ID: 500-195818-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			588701	03/09/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	588760	03/16/21 15:43	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 - 40420

Job ID: 500-195818-1

## 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





500-195818

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 N 32nd Street, Milwaukee, WI 53208	Telephone # (incl. area code) N/A	KSingh Project # 40420

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

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 3/9/21 @ 1400	Received By (Signature) <i>[Signature]</i>	Temperature Blank: 1.9
---------------------------------------------------	----------------------------	-----------------------------------------------	---------------------------

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 3-9-21 17.00	Received By (Signature) <i>[Signature]</i>	3/10/21 0935
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1 Specify groundwater (GW) soil (S) air (A) sludge (SL), surface water (SW), etc  
2 Sample description must clearly correlate the sample ID to the sampling location

1  
2  
3  
4  
5  
6  
7

Date Collected	Time Collected	Samples		Location/Description (2)	8260B - VOC	Sample Condition				Other Comment
		Type (1)	Device			# / Type of Container			---	
						MeOH	--	--	Unpres	
3/9/2021	1130	Soil	Auger	SS-1 (0' 1')	x	1			1	
3/9/2021	1140	Soil	Auger	SS-6 <del>SS-5</del> (0' 1')	x	1			1	
3/9/2021	1145	Soil	Auger	SS-16 (0' 1')	x	1			1	
3/9/2021	1200	Soil	Auger	SS-17 (0'-1')	x	1			1	
3/9/2021	1150	Soil	Auger	SS 19 (0'-1')	x	1			1	
3/9/2021	1230	Soil	Auger	SS-26 (0'-1')	x	1			1	
3/9/2021	1300	Soil	Auger	SS-51 (0 1)	x	1			1	
--	--	--	--	Trip Blank	x	1			0	

NOTE(S)

<b>DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES</b> Disposition of unused portion of sample Laboratory should (check) <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return <input type="checkbox"/> Retain for (days) <input type="checkbox"/> Other	<b>DEPARTMENT USE ONLY</b> 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: 500-195818-1

**Login Number: 195818**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	