

MEMORANDUM

DATE : April 22, 2023

TO : Shane LaFave / Roers Companies, LLC

FROM : Pratap Singh, Ph.D., PE / KSingh

SUBJECT : Weekly Progress Report for Week Ending 4/22/2023
Community Within the Corridor - East Block

COPY TO : Que El-Amin / Scott Crawford, Inc., Robert Reineke, PE, Project #40441B

The purpose of this memorandum is to summarize the work performed as a part of the emergency response for the referenced project for the week ending 4/22/2023. This document is intended to serve two purposes:

1. Summarizing the tasks performed during the past week, and
2. The action items for the following week.

The following tasks were performed this week which are summarized below:

1. Task #1 – GC Testing by KSingh & Hartman

KSingh continues to work on conducting gas chromatograph (GC) testing for measurement of TCE in various units of the East Block focused on the first floor. The focus of testing for TCE is concentrated in units that have detected elevated levels of TCE. The test results of TCE are shown in Tables 1 to 5 in Attachment A. The findings of portable discrete testing for TCE are as follows:

- TCE detections ranged from 61 ug/m³ to 335 ug/m³ in unit 1045.
- TCE detections ranged from 78 ug/m³ to 149 ug/m³ in Unit 1050.
- High concentrations of TCE were detected at 161 µg/m³ and 131 µg/m³ in the Men's Locker Room 1053.
- Unit 1052 detected a TCE concentration of 57 ug/m³.
- The North Mechanical Room concentrations ranged from 5 µg/m³ to 8 µg/m³.
- Stairwell 4 had the highest concentration of 7.3 µg/m³ while the parking garage next to the fitness center was 21 µg/m³.
- The two south blowers are showing detections of TCE ranging from 20ug/m³ to 36 ug/m³ which indicates source removal. The two north blowers detections of TCE ranged from 5 ug/m³ to 43 ug/m³.
- TCE concentrations ranged from 181 ug/m³ to 7 ug/m³ which is attributed to enhanced ventilation and sealing.

2. Task #2 – Submittal of Emergency Corrective Action Plan

An emergency corrective action plan was prepared and was submitted to WDNR on April 21, 2023.

3. Task #3 – Preparation and Submittal of Preliminary As-Built Record Drawings
KSingh worked with CWC, Horner Plumbing, and Fliteway Technologies to prepare a response to WDNR's request for as-built record drawings. These were submitted to WDNR on April 21, 2023.
4. Task #4 – Site Visit to CWC by Land Science
Because of widespread detection of TCE in wooden columns and bare brick walls, an option to seal the columns, and bare walls is being explored. KSingh facilitated a site visit to CWC East Block for Land Science Technologies to assess the walls and columns to see if Retro-Coat Vapor Intrusion Coating may be a useful technique for additional sealing. Mr. Noah Streich from Land Science conducted a walkthrough inspection of the facility guided by Dr. Sameer Neve of KSingh to identify the potential of using the Retro-Coat Vapor Intrusion Coating.
5. Task #5 – VMS Operations and Troubleshooting
The following tasks were performed:
 - Discrete sampling using portable GC was performed this week to monitor TCE concentrations in strategic units in the complex.
 - All four blowers are functioning. Fliteway Technologies and KSingh are monitoring the operations of the VMS.
 - Water extraction from the blowers has reduced.
 - The 55-gallon drums were labeled with 'Non-Hazardous' material stickers and stored safely.
 - The vacuum measurements in the 1st floor hallway continue to be 0 – 0.012 in H₂O, while those in the Gym have consistent negative values between 0 to – 0.102 in H₂O. The vacuum measurement near the exit of 3100 W. Center Street was between –0.314 to -0.85 in H₂O. The results of vacuum measurements are shown in the Table in Attachment B.
 - KSingh staff continued to document the impacted areas for visible potential pathways for vapor to migrate into the various units. These visual observations included gaps between masonry walls and flooring, cracks and holes in the flooring and walls, open pipes and cracked wood columns. These areas of concern were provided to CWC to implement sealing of the cracks. Sid's Sealing is performing sealing services in coordination with CWC and KSingh. Please refer to Attachment C for additional items that need to be addressed as well as photos for reference.
 - The representatives from Sid's Sealing were instructed to seal the cracks in all the units on the 1st floor by directing them to each unit. A detailed log of all cracks that need to be filled will be generated early next week to be provided as a reference.
 - Analytical test results of VOC testing for drummed water were received. Test results are included in Attachment D. Test results indicate that water can be discharged into sanitary sewer under existing NOI with MMSD.

Action Items for Week of April 23 – 29, 2023

KSingh plans to perform the following tasks in the upcoming week:

1. Identify and schedule contractor to extract excess water from areas identified in the ECAP.
2. Schedule a conference call with WDNR to discuss a reasonable delivery schedule.
3. Compile additional environmental data requested by WDNR.
4. Continue discrete sampling in the various impacted units.

5. Decide for disposal of stored water into MMSD sewer system under existing NOI.
6. Continue working with CWC to address issues documented in the issues log.
7. Conduct vacuum measurements at strategic locations within the buildings.
8. Test two water samples from the drums for chloride and fluoride to assess leakage of water supply lines.
9. Facilitate a site visit by Robert Fedorchak of Patriot Engineering on 4/27/2023.
10. Identify and lineup contractors to perform construction services while WDNR is reviewing the proposed corrective action plan.
11. Preparing a comprehensive log of cracks in the floor to be sealed off.

Attachment A
Summary of Monitoring Results by Date

Attachment A
Monitoring Results by Date
On-site EPA Method TO-14 Data from Indoor Air Samples

Instrument: SRI 8610 Gas Chromatograph with ECD

Operator: KSingh

Table 1: Monitoring Results from 4/17/2023

Sample ID	Sample Location	Sample Time	TCE ($\mu\text{g}/\text{m}^3$)	PCE ($\mu\text{g}/\text{m}^3$)	Comments
IA – 272	1st Floor Hallway	10:27	181	ND	Stronger exhaust needed
IA – 273	Unit 1045	10:36	336	ND	
IA – 274	Unit 1050	10:48	142	ND	
IA – 275	SSD 1 – South 7.5 HP	10:56	34.6	2	
IA – 276	SSD 2 – South 10 HP	11:06	20.5	2.2	
IA – 277	SSD 3 – North 7.5 HP	11:17	11.3	ND	
IA – 278	SSD 4 – North 10 HP	12:04	36.8	ND	
IA – 279	N Mechanical Room - Hole	12:12	12	ND	Needs to be filled up
IA – 280	N Mechanical Room	12:55	7.3	ND	Stronger exhaust needed
Reporting Limit ($\mu\text{g}/\text{m}^3$)			0.6	0.6	
ND Indicates Not Detected at listed reporting level					

Table 2: Monitoring Results from 4/18/2023

Sample ID	Sample Location	Sample Time	TCE ($\mu\text{g}/\text{m}^3$)	PCE ($\mu\text{g}/\text{m}^3$)	Comments
IA – 281	Unit 1045	10:35	115	ND	Stronger exhaust needed
IA – 282	Unit 1050	10:43	149	ND	Stronger exhaust needed
IA – 283	Unit 1044	10:51	85.8	ND	
IA – 284	Unit 1052	10:59	70.5	ND	
IA – 285	1st Floor Hallway	11:07	147	ND	Ventilation required
IA – 286	Men's Locker Room	11:15	161	ND	Stronger exhaust needed
IA – 287	Stairwell 4	11:23	7.3	ND	
IA – 288	SSD 1 – South 7.5 HP	11:31	28.2	1.6	
IA – 289	SSD 2 – South 10 HP	11:39	21.1	1.9	
IA – 290	SSD 3 – North 7.5 HP	11:47	9.4	ND	
IA – 291	SSD 4 – North 10 HP	11:55	38.2	ND	
IA – 292	N Mechanical Room	12:03	7.2	ND	
IA – 293	Unit 1040	12:11	21.2	ND	
Reporting Limit ($\mu\text{g}/\text{m}^3$)			0.6	0.6	
ND Indicates Not Detected at listed reporting level					

Table 3: Monitoring Results from 4/19/2023

Sample ID	Sample Location	Sample Time	TCE ($\mu\text{g}/\text{m}^3$)	PCE ($\mu\text{g}/\text{m}^3$)	Comments
IA – 294	Unit 1045	8:58	283	ND	Stronger exhaust needed
IA – 295	Unit 1050	9:06	110	ND	Stronger exhaust needed
IA – 296	Stairwell 4	9:14	7	ND	
IA – 297	S Parking - SSD 5	9:22	11.3	ND	
IA – 298	N Mechanical Room	9:30	5.3	ND	
IA – 299	Unit 1006	9:38	4.3	ND	
IA – 300	Unit 1025	9:46	3.6	ND	
IA – 301	Unit 1040	9:54	22.6	ND	
IA – 302	1st Floor Hallway	10:02	8.5	ND	Ventilation required
IA – 303	Men's Locker Room	10:10	131	ND	Stronger exhaust needed
IA – 304	SSD 1 – South 7.5 HP	10:18	36.4	3.2	
IA – 305	SSD 2 – South 10 HP	10:26	19.8	1.6	
IA – 306	SSD 3 – North 7.5 HP	10:58	8.1	ND	
IA – 307	SSD 4 – North 10 HP	11:06	35	ND	
Reporting Limit ($\mu\text{g}/\text{m}^3$)			0.6	0.6	
ND Indicates Not Detected at listed reporting level					

Table 4: Monitoring Results from 4/20/2023

Sample ID	Sample Location	Sample Time	TCE ($\mu\text{g}/\text{m}^3$)	PCE ($\mu\text{g}/\text{m}^3$)	Comments
IA – 308	N Mechanical Room	12:08	7.9	ND	
IA – 309	SSD 1 – South 7.5 HP	12:32	33.1	2	
IA – 310	SSD 2 – South 10 HP	12:42	21.4	ND	
IA – 311	SSD 3 – North 7.5 HP	12:58	5.3	ND	
IA – 312	SSD 4 – North 10 HP	13:10	42.8	ND	
IA – 313	Unit 1044	13:32	45.6	ND	Ventilation required
IA – 314	1st Floor Hallway	13:40	22.4	ND	Stronger exhaust needed
IA – 315	S Parking - SSD 5	13:48	21	ND	
IA – 316	Unit 1045	13:56	61	ND	
IA – 317	Unit 1050	14:04	77.8	ND	
Reporting Limit ($\mu\text{g}/\text{m}^3$)			0.6	0.6	
ND Indicates Not Detected at listed reporting level					

Table 5: Monitoring Results from 4/21/2023

Sample ID	Sample Location	Sample Time	TCE ($\mu\text{g}/\text{m}^3$)	PCE ($\mu\text{g}/\text{m}^3$)	Comments
IA – 318	1st Floor Hallway	11:00	7.4	ND	Effect of stronger exhaust
IA – 319	Unit 1045	11:08	127	ND	
IA – 320	Unit 1050	11:30	131	ND	
IA – 321	Unit 1052	11:38	57.2	ND	
IA – 322	SSD 1 – South 7.5 HP	11:58	35.2	2.1	
IA – 323	SSD 2 – South 10 HP	12:06	20.9	2.4	
IA – 324	SSD 3 – North 7.5 HP	12:17	6.1	ND	
IA – 325	SSD 4 – North 10 HP	12:25	43.1	ND	
IA – 326	Men's Locker Room	12:33	23.7	ND	Effect of stronger exhaust and sealing
Reporting Limit ($\mu\text{g}/\text{m}^3$)			0.6	0.6	

ND Indicates Not Detected at listed reporting level

**Attachment B
Vacuum Measurements**

Location	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
Unit 1040	0	0	0	0	0
Unit 1044	0	0	0.012	0	0
Unit 1050	0	0	0	0	0
Stairwell 4	0	0	0	0	0
Baseball Court - 1	-0.052	-0.052	-0.017	-0.052	-0.052
Baseball Court - 2	-0.025	-0.033	0	-0.022	-0.019
Baseball Court - 3	-0.102	-0.101	-0.036	-0.102	-0.099
Exit 3100 W Center St	-0.845	-0.804	-0.314	-0.85	-0.845
			South 7.5 HP Blower was turned off		

Attachment C
Issues Log – Additional Items

Issues Log

Project No: 40441B

Project Site: CWC East Block

Firm: KSingh

Date: 4/7/2023, rev. 4/15/2023, rev. 04/22/23

Item No.	Location	Issue Description	To be Addressed by	Photo Reference	Status	Notes
35	1st Floor Hallway	1st Floor Hallway needs to be ventilated	KSingh/CWC	Photo 1	Temporarily Unresolved	
36	South 10 HP Blower	Exhaust of South 10 HP Blower needs to be capped with a 45° or a U-Pipe	KSingh/CWC	Photo 2	Partially resolved	
37	South 10 HP Blower	Sampling at South 10 HP Blower is unsafe as there is no boundary to the roof	CWC	Photo 3	Unresolved	
38	South 7.5 HP Blower	Exhaust of South 7.5 HP blower needs to be extended beyond the roof line	CWC	Photo 4	Unresolved	
39	North Mechanical Garage	Ventilation is needed to reduce the concentration of TCE	KSingh/CWC	-	Temporarily Unresolved	
40	North Garage	Labeling of drums in North Garage is complete and are ready for disposal	KSingh/CWC	Photo 5	Resolved	
41	North Garage	North Garage pipe is dripping water	CWC	Photo 6	Unresolved	
42	Units 1025-1053	Cracks in multiple units and gap along masonry wall on the 1st floor	CWC	Photos 7 - 10	Unresolved	
43	Unit 1052	Open PVC pipe and missing concrete floor	CWC	Photos 11-12	Unresolved	

**Please note that this is not a comprehensive inspection of construction. KSingh continues to note these items during its work onsite, but this log is not conclusive. Upon fixing the issues identified in the document, KSingh will continue to perform additional testing of air concentrations and continue to analyze and recommend solutions as needed.

Photo Log



Photo 1: Ventilation in 1st Floor Hallway



Photo 2: South 10 HP blower exhaust extended to above roof level



Photo 3: Unsafe sampling location – Needs U-pipe



Photo 4: South 7.5 HP Blower Exhaust



Photo 5: Labelled 55-gallon drums containing VOC-contaminated water



Photo 6: Water dripping from pipe in North Garage

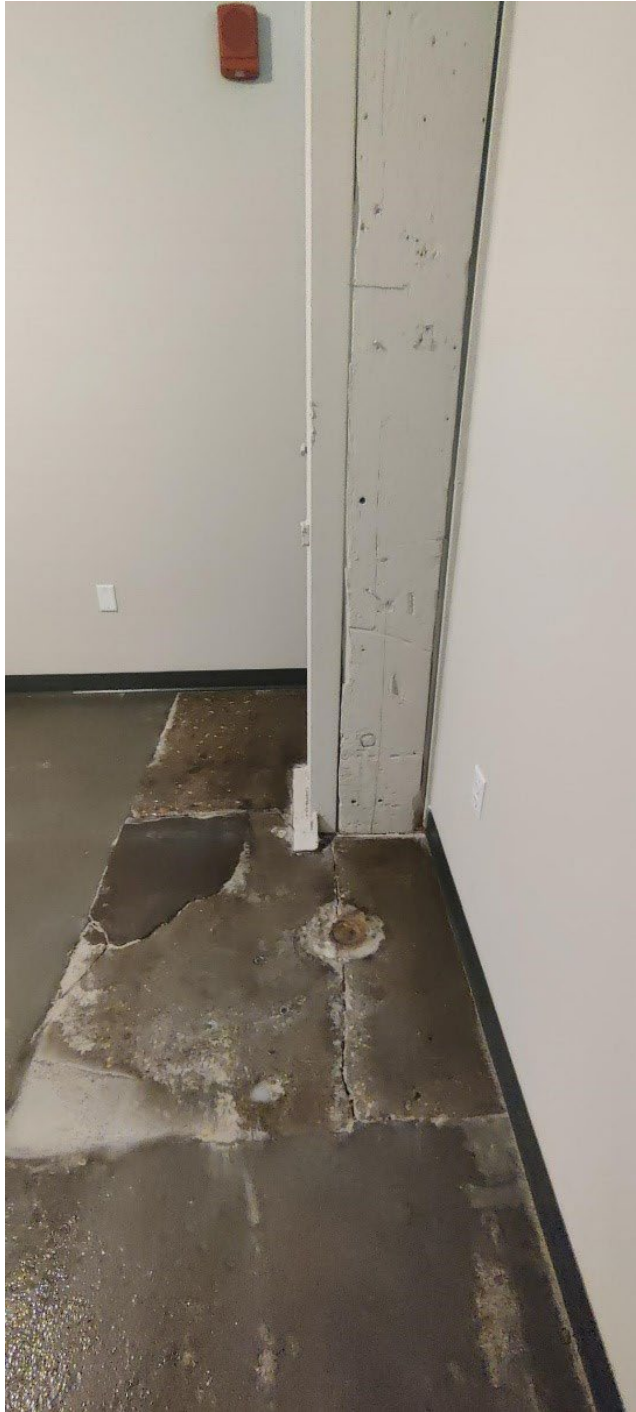


Photo 7: Unit 1025 - Wooden Pillar and cracks in the bedroom



Photo 8: Unit 1036 - Wooden Pillar and cracks in bedroom 1



Photo 9: Unit 1039 – Cracks along the masonry wall

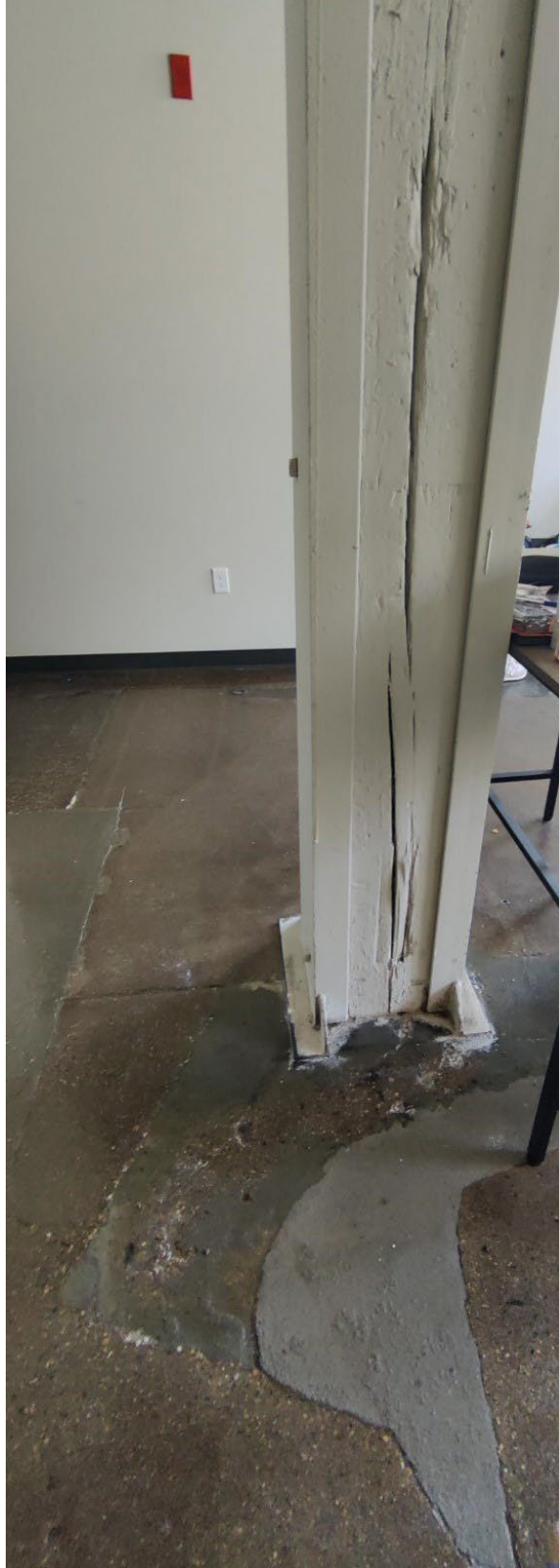


Photo 10: Unit 1040 – Cracks in wooden pillar and floor in living room



Photo 11: Unit 1052 – Seal open pipe



Photo 12: Unit 1052 – Open concrete area, exposed

Attachment D
Analytical Test Results for Drummed Water



ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Community Within the Corridor - 40441B

JOB NUMBER

500-231855-1

Eurofins Chicago

Job Notes

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

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

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

Authorization



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Case Narrative

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

Job ID: 500-231855-1

Job ID: 500-231855-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-231855-1

Comments

No additional comments.

Receipt

The samples were received on 4/7/2023 10:00 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 1.5° C.

GC/MS VOA

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 - 40441B

Job ID: 500-231855-1

Client Sample ID: SBT

Lab Sample ID: 500-231855-1

No Detections.

Client Sample ID: NBT

Lab Sample ID: 500-231855-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	0.71	J	1.0	0.22	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

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

Job ID: 500-231855-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

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



Sample Summary

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

Job ID: 500-231855-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231855-1	SBT	Water	04/05/23 17:05	04/07/23 10:00
500-231855-2	NBT	Water	04/05/23 13:30	04/07/23 10:00

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Client Sample Results

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

Job ID: 500-231855-1

Client Sample ID: SBT

Lab Sample ID: 500-231855-1

Date Collected: 04/05/23 17:05

Matrix: Water

Date Received: 04/07/23 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/17/23 13:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/17/23 13:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/17/23 13:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/17/23 13:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/17/23 13:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/17/23 13:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/17/23 13:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/17/23 13:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/17/23 13:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/17/23 13:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/17/23 13:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/17/23 13:06	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/17/23 13:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/17/23 13:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/17/23 13:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/17/23 13:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/17/23 13:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/17/23 13:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/17/23 13:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/17/23 13:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/17/23 13:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/17/23 13:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/17/23 13:06	1
Benzene	<0.15		0.50	0.15	ug/L			04/17/23 13:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/17/23 13:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/17/23 13:06	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/17/23 13:06	1
Bromoform	<0.48		1.0	0.48	ug/L			04/17/23 13:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/17/23 13:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/17/23 13:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/17/23 13:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/17/23 13:06	1
Chloroform	<0.37		2.0	0.37	ug/L			04/17/23 13:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/17/23 13:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/17/23 13:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/17/23 13:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/17/23 13:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/17/23 13:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/17/23 13:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/17/23 13:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/17/23 13:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/17/23 13:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 13:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/17/23 13:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/17/23 13:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/17/23 13:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 13:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/17/23 13:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/17/23 13:06	1

Eurofins Chicago

Client Sample Results

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

Job ID: 500-231855-1

Client Sample ID: SBT

Lab Sample ID: 500-231855-1

Date Collected: 04/05/23 17:05

Matrix: Water

Date Received: 04/07/23 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 13:06	1
Styrene	<0.39		1.0	0.39	ug/L			04/17/23 13:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 13:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/17/23 13:06	1
Toluene	<0.15		0.50	0.15	ug/L			04/17/23 13:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/17/23 13:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/17/23 13:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/17/23 13:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/17/23 13:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/17/23 13:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/17/23 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		04/17/23 13:06	1
4-Bromofluorobenzene (Surr)	103		72 - 124		04/17/23 13:06	1
Dibromofluoromethane (Surr)	94		75 - 120		04/17/23 13:06	1
Toluene-d8 (Surr)	93		75 - 120		04/17/23 13:06	1

Client Sample Results

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

Job ID: 500-231855-1

Client Sample ID: NBT

Lab Sample ID: 500-231855-2

Date Collected: 04/05/23 13:30

Matrix: Water

Date Received: 04/07/23 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/17/23 13:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/17/23 13:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/17/23 13:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/17/23 13:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/17/23 13:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/17/23 13:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/17/23 13:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/17/23 13:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/17/23 13:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/17/23 13:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/17/23 13:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/17/23 13:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/17/23 13:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/17/23 13:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/17/23 13:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/17/23 13:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/17/23 13:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/17/23 13:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/17/23 13:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/17/23 13:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/17/23 13:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/17/23 13:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/17/23 13:31	1
Benzene	0.17 J		0.50	0.15	ug/L			04/17/23 13:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/17/23 13:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/17/23 13:31	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/17/23 13:31	1
Bromoform	<0.48		1.0	0.48	ug/L			04/17/23 13:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/17/23 13:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/17/23 13:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/17/23 13:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/17/23 13:31	1
Chloroform	<0.37		2.0	0.37	ug/L			04/17/23 13:31	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/17/23 13:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/17/23 13:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/17/23 13:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/17/23 13:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/17/23 13:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/17/23 13:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/17/23 13:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/17/23 13:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/17/23 13:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 13:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/17/23 13:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/17/23 13:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/17/23 13:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 13:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/17/23 13:31	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/17/23 13:31	1

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Client Sample Results

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

Job ID: 500-231855-1

Client Sample ID: NBT

Lab Sample ID: 500-231855-2

Date Collected: 04/05/23 13:30

Matrix: Water

Date Received: 04/07/23 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 13:31	1
Styrene	<0.39		1.0	0.39	ug/L			04/17/23 13:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 13:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/17/23 13:31	1
Toluene	<0.15		0.50	0.15	ug/L			04/17/23 13:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/17/23 13:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/17/23 13:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/17/23 13:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/17/23 13:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/17/23 13:31	1
Xylenes, Total	0.71	J	1.0	0.22	ug/L			04/17/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		04/17/23 13:31	1
4-Bromofluorobenzene (Surr)	104		72 - 124		04/17/23 13:31	1
Dibromofluoromethane (Surr)	93		75 - 120		04/17/23 13:31	1
Toluene-d8 (Surr)	94		75 - 120		04/17/23 13:31	1

Definitions/Glossary

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

Job ID: 500-231855-1

Qualifiers

GC/MS VOA

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

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 - 40441B

Job ID: 500-231855-1

GC/MS VOA

Analysis Batch: 707998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231855-1	SBT	Total/NA	Water	8260B	
500-231855-2	NBT	Total/NA	Water	8260B	
MB 500-707998/7	Method Blank	Total/NA	Water	8260B	
LCS 500-707998/5	Lab Control Sample	Total/NA	Water	8260B	

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Surrogate Summary

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

Job ID: 500-231855-1

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

Matrix: Water

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)
500-231855-1	SBT	95	103	94	93
500-231855-2	NBT	93	104	93	94
LCS 500-707998/5	Lab Control Sample	91	104	95	93
MB 500-707998/7	Method Blank	93	103	92	93

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 - 40441B

Job ID: 500-231855-1

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

Lab Sample ID: MB 500-707998/7
Matrix: Water
Analysis Batch: 707998

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/17/23 11:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/17/23 11:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/17/23 11:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/17/23 11:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/17/23 11:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/17/23 11:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/17/23 11:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/17/23 11:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/17/23 11:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/17/23 11:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/17/23 11:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/17/23 11:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/17/23 11:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/17/23 11:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/17/23 11:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/17/23 11:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/17/23 11:04	1
Benzene	<0.15		0.50	0.15	ug/L			04/17/23 11:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/17/23 11:04	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/17/23 11:04	1
Bromoform	<0.48		1.0	0.48	ug/L			04/17/23 11:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/17/23 11:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/17/23 11:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/17/23 11:04	1
Chloroform	<0.37		2.0	0.37	ug/L			04/17/23 11:04	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/17/23 11:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/17/23 11:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/17/23 11:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/17/23 11:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/17/23 11:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/17/23 11:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/17/23 11:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/17/23 11:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/17/23 11:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/17/23 11:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/17/23 11:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/17/23 11:04	1

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QC Sample Results

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

Job ID: 500-231855-1

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

Lab Sample ID: MB 500-707998/7
Matrix: Water
Analysis Batch: 707998

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 11:04	1
Styrene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 11:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/17/23 11:04	1
Toluene	<0.15		0.50	0.15	ug/L			04/17/23 11:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/17/23 11:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/17/23 11:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/17/23 11:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/17/23 11:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/17/23 11:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		04/17/23 11:04	1
4-Bromofluorobenzene (Surr)	103		72 - 124		04/17/23 11:04	1
Dibromofluoromethane (Surr)	92		75 - 120		04/17/23 11:04	1
Toluene-d8 (Surr)	93		75 - 120		04/17/23 11:04	1

Lab Sample ID: LCS 500-707998/5
Matrix: Water
Analysis Batch: 707998

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-Trichloroethane	50.0	50.1		ug/L		100	70 - 125
1,1,1,2-Tetrachloroethane	50.0	53.5		ug/L		107	62 - 140
1,1,2-Trichloroethane	50.0	52.7		ug/L		105	71 - 130
1,1-Dichloroethane	50.0	51.0		ug/L		102	70 - 125
1,1-Dichloroethene	50.0	49.8		ug/L		100	67 - 122
1,1-Dichloropropene	50.0	52.7		ug/L		105	70 - 121
1,2,3-Trichlorobenzene	50.0	45.3		ug/L		91	51 - 145
1,2,3-Trichloropropane	50.0	50.9		ug/L		102	50 - 133
1,2,4-Trichlorobenzene	50.0	51.2		ug/L		102	57 - 137
1,2,4-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	40.8		ug/L		82	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.1		ug/L		98	70 - 125
1,2-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 125
1,2-Dichloroethane	50.0	47.6		ug/L		95	68 - 127
1,2-Dichloropropane	50.0	53.0		ug/L		106	67 - 130
1,3,5-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 123
1,3-Dichlorobenzene	50.0	49.3		ug/L		99	70 - 125
1,3-Dichloropropane	50.0	50.8		ug/L		102	62 - 136
1,4-Dichlorobenzene	50.0	49.4		ug/L		99	70 - 120
2,2-Dichloropropane	50.0	51.8		ug/L		104	58 - 139
2-Chlorotoluene	50.0	51.1		ug/L		102	70 - 125
4-Chlorotoluene	50.0	51.8		ug/L		104	68 - 124
Benzene	50.0	51.8		ug/L		104	70 - 120

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QC Sample Results

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

Job ID: 500-231855-1

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

Lab Sample ID: LCS 500-707998/5
Matrix: Water
Analysis Batch: 707998

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	51.6		ug/L		103	70 - 122
Bromochloromethane	50.0	47.7		ug/L		95	65 - 122
Dichlorobromomethane	50.0	49.0		ug/L		98	69 - 120
Bromoform	50.0	41.7		ug/L		83	56 - 132
Bromomethane	50.0	42.5		ug/L		85	40 - 152
Carbon tetrachloride	50.0	48.8		ug/L		98	59 - 133
Chlorobenzene	50.0	50.8		ug/L		102	70 - 120
Chloroethane	50.0	54.0		ug/L		108	48 - 136
Chloroform	50.0	52.9		ug/L		106	70 - 120
Chloromethane	50.0	49.3		ug/L		99	56 - 152
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	70 - 125
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	64 - 127
Dibromochloromethane	50.0	44.0		ug/L		88	68 - 125
Dibromomethane	50.0	46.1		ug/L		92	70 - 120
Dichlorodifluoromethane	50.0	49.4		ug/L		99	40 - 159
Ethylbenzene	50.0	49.5		ug/L		99	70 - 123
Hexachlorobutadiene	50.0	48.0		ug/L		96	51 - 150
Isopropylbenzene	50.0	52.4		ug/L		105	70 - 126
Methyl tert-butyl ether	50.0	48.4		ug/L		97	55 - 123
Methylene Chloride	50.0	48.4		ug/L		97	69 - 125
Naphthalene	50.0	47.7		ug/L		95	53 - 144
n-Butylbenzene	50.0	48.6		ug/L		97	68 - 125
N-Propylbenzene	50.0	50.4		ug/L		101	69 - 127
p-Isopropyltoluene	50.0	51.0		ug/L		102	70 - 125
sec-Butylbenzene	50.0	51.4		ug/L		103	70 - 123
Styrene	50.0	50.8		ug/L		102	70 - 120
tert-Butylbenzene	50.0	52.5		ug/L		105	70 - 121
Tetrachloroethene	50.0	52.7		ug/L		105	70 - 128
Toluene	50.0	52.0		ug/L		104	70 - 125
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	62 - 128
Trichloroethene	50.0	50.7		ug/L		101	70 - 125
Trichlorofluoromethane	50.0	49.2		ug/L		98	55 - 128
Vinyl chloride	50.0	44.8		ug/L		90	64 - 126
Xylenes, Total	100	98.3		ug/L		98	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	91		75 - 126
4-Bromofluorobenzene (Surr)	104		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
Toluene-d8 (Surr)	93		75 - 120

Lab Chronicle

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

Job ID: 500-231855-1

Client Sample ID: SBT

Date Collected: 04/05/23 17:05

Date Received: 04/07/23 10:00

Lab Sample ID: 500-231855-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	707998	W1T	EET CHI	04/17/23 13:06

Client Sample ID: NBT

Date Collected: 04/05/23 13:30

Date Received: 04/07/23 10:00

Lab Sample ID: 500-231855-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	707998	W1T	EET CHI	04/17/23 13:31

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 500-231855-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

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ORIGIN ID:RRLA (262) 202-5955
IAN EVANS
EUROFINS TESTAMERICA
4125 N 124TH ST.
SUITE F (REAR)
BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 06APR23
ACTWGT: 54.85 LB
CAD: 0269688/CAFE3621

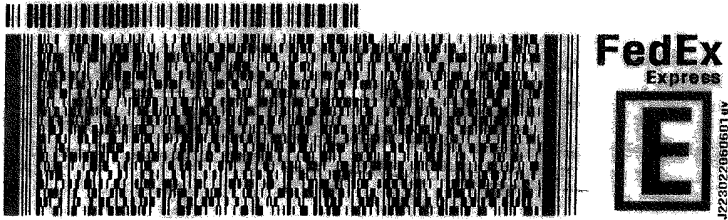
BILL RECIPIENT



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

UNIVERSITY PARK IL 60484

(262) 202-5966 REF:
INU: DEPT:
PD:

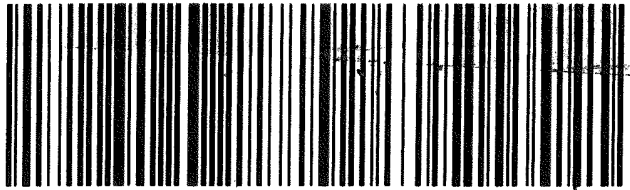


1 of 2
TRK# 6374 2028 5480
0201
MASTER

FRI - 07 APR 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
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48qt

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Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-231855-1

Login Number: 231855

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

