

April 6, 2023

Mrs. Jennifer Meyer
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1027 West St. Paul Ave.
Milwaukee, WI 53233

Project # 40441

Subject: **First Round of Commissioning for Community Within the Corridor – East Block
2748 N. 32nd Street, Milwaukee, WI 53208
BRRTS #: 02-41-263675, FID #: 241025400**

Dear Mrs. Meyer:

On behalf of the Community Within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) is pleased to submit the results of the first round of Commissioning of the Vapor Mitigation System for the Community Within the Corridor – East Block project. Commissioning was performed in accordance with the Commissioning Plan that was submitted to the Wisconsin Department of Natural Resources (WDNR) on December 23, 2022 and updated on February 8, 2023.

Passive Indoor Air Sampling

Passive air sampling was performed in accordance with the approved Commissioning Plan. The locations of the relevant buildings in relation to the project area are shown in Figure 1. A total of eighty-one samples kits were deployed on 2/20/2023 through 2/21/2023 in the East Block facility, including one outdoor air sample which was collected for background monitoring. Passive air samplers were deployed for a period of one week and were collected from 2/28/2023 through 3/1/2023. Upon retrieval, one sample kit (EB-03-P) was missing. In addition, two sample locations (EB-02-A and EB-01-A) were unable to be accessed. The locations of the passive air samplers are included in Figure 1.

The passive air samplers were submitted to Eurofins Air Toxics, LLC Folsom, CA for analysis for chlorinated solvents including Trichloroethylene (TCE), Tetrachloroethylene (PCE), cis-1,2-Dichloroethylene (cis-DCE), and trans-1,2-Dichloroethylene (trans-DCE). The results are included in Attachment A and summarized in Table 1.

TCE was reported in nineteen (19) samples (EB-01-B, EB-01-J, EB-01-N, EB-01-O, EB-01-P, EB-01-X, EB-01-Y, EB-01-Z, EB-01-AA, EB-01-AB, EB-01-AC, EB-01-AD, EB-01-AE, EB-01-AF, EB-01-AH, EB-02-N, EB-02-P, EB-02-X, and EB-03-M) in exceedance of the Residential Indoor Air Vapor Action Level (VAL) of 2.1 ug/m³ based on the February 2022 Quick Look-Up Table from the WDNR. The maximum concentration of TCE detected in indoor air was 400 ug/m³. A total of fifteen exceedances were located on the first floor of the facility, with three (3) additional exceedances located on the second floor, and one (1) exceedance located on the third floor. Vapor exceedance plumes on each floor are located in the same portion of the facility (Building 1B-SW and 1B-W) indicating that cracks in the building foundation are allowing for the intrusion of sub-slab vapors into the building.

Sub-slab Depressurization System Vacuum Measurements

The sub-slab depressurization system installed CWC – East Block was tested between March 7, 2023 through March 14, 2023. A handheld hammer drill was used to install vapor pins beneath the slab of the structure. A digital manometer was utilized to take measurements of vacuum below the slab after the vapor points passed a water dam test. Forty-three (43) locations were chosen to take measurements to get an accurate model of sub-slab depressurization from each suction point. The building slab was unable to be penetrated at VP-12 and VP-14. VP-12 was moved north out of the tunnel connecting buildings 1B-NW and 2A. VP-13 was incrementally moved to the west, however, was still not able to penetrate the building slab.

In accordance with a vapor mitigation system commissioning plan submitted by KSingh on February 8, 2023, a reading of 0.004 inches water was utilized to determine whether the system was adequately operating. Recorded measurements range from 0.000 to 0.310 inches of water. A total of fourteen locations did not meet the system requirements, primarily in the southwestern portion of the facility.

The locations and results of March 2023 sub-slab depressurization measurements are depicted on Figure 2 and summarized in Table 2. The greatest vacuum measurements are observed in buildings 3A and 1B-SE. Locations of vacuum readings that did not meet the requirements outlined in the Commissioning Plan include the southern wall of building 2A, the eastern wall of building 1B-NE, southwestern wall of building 1B-NW, the northern wall of building 1B-W, and building 1B-SW. The locations of the lowest vacuum readings align with the locations of the highest TCE concentrations measured during passive indoor air sampling.

Exhaust Sampling

Two blowers were installed on the property as part of the vapor mitigation system, one in the basement of building 3A and one outside to the north of building 1B-SE. As part of commissioning, 1.4L Summa canisters provided by Synergy Environmental Lab, Inc. (Synergy) were utilized to gather air quality data from the two exhaust points on March 16, 2023. Samples were gathered for fifteen minutes via vapor lines extended into the fan system while the fans were operating. System tightness was confirmed with shut in testing, and sample lines were purged between each sample. Upon completion of sampling, canisters were submitted to Synergy for analysis of TO-15 parameters.

Test results are included in Attachment B. Results from Synergy document concentrations of PCE and TCE in exhaust samples. PCE and TCE concentrations in exhaust samples are less than the Residential Indoor Air VAL. Based on the concentrations of PCE and TCE in the exhaust, some mass reduction is taking place in the sub-slab.

The results of the March 2023 exhaust fan air quality sampling are summarized in Table 3 and the locations of sampled fans are included on Figure 2.

Remedial Actions Taken

The WDNR were notified of exceedances of the VAL of 2.1 ug/m³ for TCE in nineteen locations in March 2023. The locations were samples EB-01-B, EB-01-J, EB-01-N, EB-01-O, EB-01-P, EB-01-X, EB-01-

Y, EB-01-Z, EB-01-AA, EB-01-AB, EB-01-AC, EB-01-AD, EB-01-AE, EB-01-AF, EB-01-AH, EB-02-N, EB-02-P, EB-02-X, and EB-03-M with maximum concentration of 400 ug/m³. Test results were sent to the WDNR on March 23, 2023. Residents were notified of the exceedances and evacuated from the property on March 29, 2023.

Conclusions

The following conclusions were reached based on the sampling.

- Based on the results of sub-slab vacuum measurements, the vapor mitigation system installed on the subject site adequately creates vacuum beneath the building slab for buildings 1B-SE, 1B-S, 1C, 2B, and 3A.
- Portions of buildings 2A, 1B-NE, 1B-NW, 1B-W, and 1B-SW did not meet the requirement of 0.004 inches of water.
- Passive indoor air results show that TCE exceeded its VAL at nineteen (19) sample locations, primarily in buildings 1B-W and 1B-SW.
- Fan emissions sampling indicates that PCE and TCE are still present in the sub-slab and that mass reduction is taking place.
- Based on the results from the first round of commissioning, the sub-slab depressurization system is not operating as intended.

Recommendations

The following recommendations are made based on the conclusions reached:

- Permanent exhaust points should be installed on the roof of the East Block property at least a foot above the roofline.
- Due to exceedances of the indoor air testing, additional action will be needed, including continued monitoring of locations which exceeded their VALs.
- The VMS system should be monitored in order to ensure that adequate vacuum is being created beneath the entire building footprint.
- Access points for the operation and maintenance of the vacuum system should be constructed.
- It is recommended to install blowers with a higher capacity for better depressurization of the sub-slab environment.

Please contact us if you have any questions or seek clarification regarding this information.

Sincerely,
K. SINGH & ASSOCIATES, INC.



Justin P. Bush
Staff Geologist



Robert T. Reineke, P.E.
Project Manager



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

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

Attachments:

Figure 1	Sub-slab Depressurization Locations and Results
Figure 2	Indoor Air Sampling Locations
Table 1	Vacuum Measurement Results
Table 2	Passive Air Sampling Results for Commissioning
Table 3	Exhaust Fan Sampling Results
Attachment A	Passive Air Sampling Test Results
Attachment B	Exhaust Fan Sampling Test Results

FIGURES



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COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK

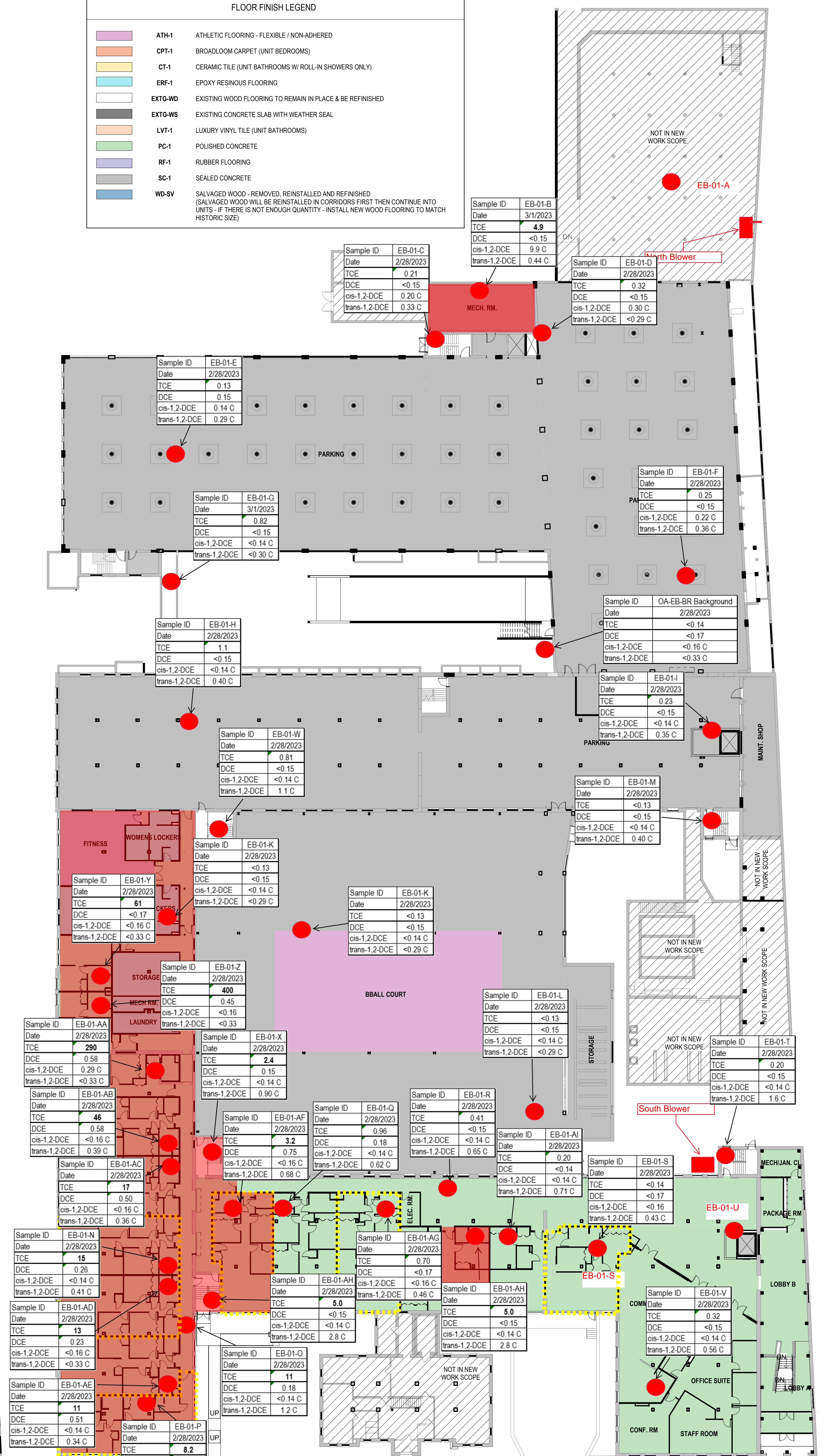
2746 N. 32nd Street
Milwaukee, WI 53210

SHEET TITLE
FLOOR FINISH PLAN - LEVEL 01 & 02

REVISIONS:

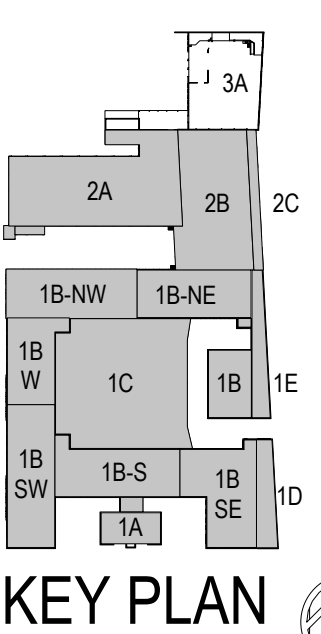
Figure 1
Passive Air Sample Locations

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	09/25/20
SHEET NUMBER	A901E



FLOOR FINISH LEGEND

- ATH-1 ATHLETIC FLOORING - FLEXIBLE / NON-ADHERED
- CPT-1 BROADLOOM CARPET (UNIT BEDROOMS)
- CT-1 CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
- ERF-1 EPOXY RESINOUS FLOORING
- EXTG-WD EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
- EXTG-WS EXISTING CONCRETE SLAB WITH WEATHER SEAL
- LVT-1 LUXURY VINYL TILE (UNIT BATHROOMS)
- PC-1 POLISHED CONCRETE
- RF-1 RUBBER FLOORING
- SC-1 SEALED CONCRETE
- WD-SV SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)



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2748 N. 32nd Street
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SHEET TITLE
 FLOOR FINISH PLAN - LEVEL 03

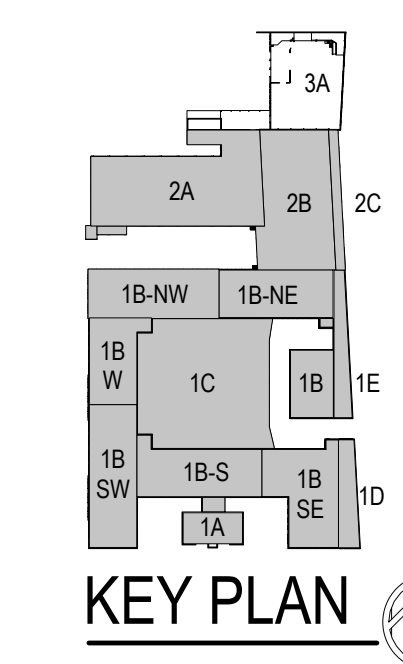
REVISIONS:

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	09/25/20
SHEET NUMBER	A902E

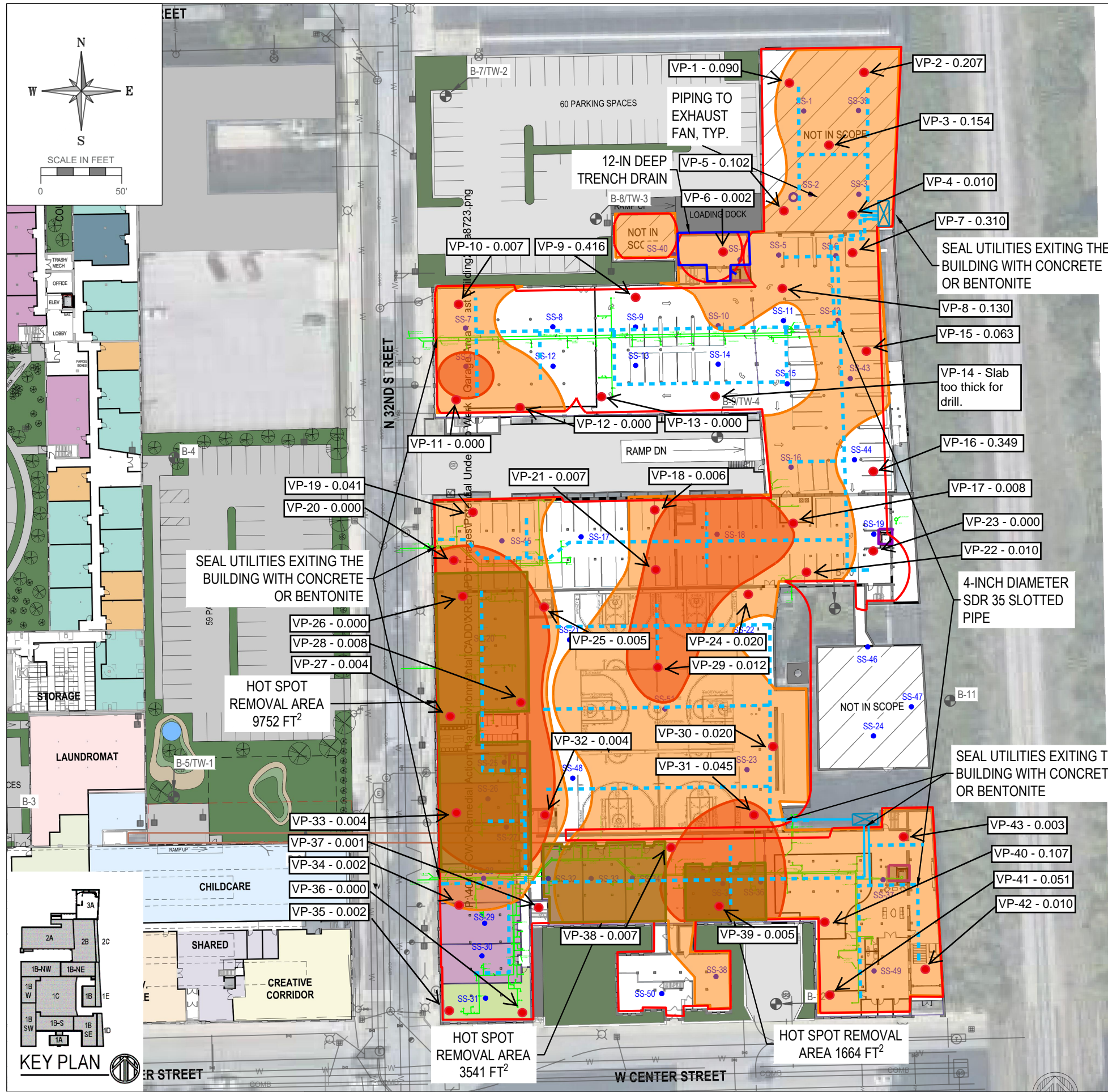
FLOOR FINISH LEGEND	
	ATH-1 ATHLETIC FLOORING - FLEXIBLE / NON-ADHERED
	CPT-1 BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1 CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	ERF-1 EPOXY RESINOUS FLOORING
	EXTG-WD EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	EXTG-WS EXISTING CONCRETE SLAB WITH WEATHER SEAL
	LVT-1 LUXURY VINYL TILE (UNIT BATHROOMS)
	PC-1 POLISHED CONCRETE
	RF-1 RUBBER FLOORING
	SC-1 SEALED CONCRETE
	WD-SV SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)



1 FINISH PLAN - LEVEL 03 17 Samples Level 3
 Scale: 3/64" = 1'-0"
 0' 2.65' 5.3' 8'



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LEGEND

- Sub-Slab Sampling Locations (51)
- ⊕ Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- 1 - Bedroom Apartment
- 2 - Bedroom Apartment
- 3 - Bedroom Apartment
- 4 - Bedroom Apartment
- Studio Apartment
- WI Residential VRSL Exceedance Extents
- WI Large Commercial / Industrial VRSL Exceedance Extents
- Hot Spot Removal Area
- Slotted Horizontal Extraction Piping
- Solid Horizontal Extraction Piping
- Extraction Points
- Extraction Point Zone of Influence
- ⊗ Potential Blower Locations
- ⊗ Vapor Mitigation Fan
- Zone of Influence
- 12-Inch Trench Drain
- Underground Plumbing
- Trench System Extents

NOTES:

- SAMPLING LOCATIONS AND VAPOR EXTRACTION POINTS ARE APPROXIMATE.
- VACUUM READINGS MEASURED MARCH 7 TO MARCH 14, 2023.

3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

CONSULTANT

CONSULTANT

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

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION
DRAWN BY JDS	DATE	
CHECKED BY RR	DATE	

SHEET TITLE
VACUUM READINGS DURING COMMISSIONING

FIGURE 2

TABLES

TABLE 1
 Passive Air Sampling Results for Commissioning
 Community Within the Corridor - East Block

Sample ID	Units	Residential Indoor Air VAL*	EB-01-B	EB-01-C	EB-01-D	EB-01-E	EB-01-F	EB-01-G	EB-01-H	EB-01-I	EB-01-J	EB-01-K	EB-01-L	EB-01-M	EB-01-N	EB-01-O	EB-01-P
Date	---	---	3/1/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	3/1/2023	2/28/2023	2/28/2023	3/1/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023
Trichloroethene	ug/m ³	2.1	4.9	0.21	0.32	0.13	0.25	0.82	1.1	0.23	110	<0.13	<0.13	<0.13	15	11	8.2
Tetrachloroethene	ug/m ³	42	<0.15	<0.15	<0.15	0.15	<0.15	<0.15	<0.15	<0.15	0.18	<0.15	<0.15	<0.15	0.26	0.18	1.4
cis-1,2-Dichloroethene	ug/m ³	--	9.9 C	0.20 C	0.30 C	0.14 C	0.22 C	<0.14 C	<0.14 C	<0.14 C	0.25 C	<0.14 C	<0.14 C	<0.14 C	<0.14 C	<0.14 C	<0.16 C
trans-1,2-Dichloroethene	ug/m ³	42	0.44 C	0.33 C	<0.29 C	0.29 C	0.36 C	<0.30 C	0.40 C	0.35 C	0.84 C	<0.29 C	<0.29 C	0.40 C	0.41 C	1.2 C	<0.33 C

*Based on WDNR Quick Look-Up Table dated February 2022
 C - Estimated concentration due to calculated sampling rate

TABLE 1
 Passive Air Sampling Results for Commissioning
 Community Within the Corridor - East Block

Sample ID	Units	Residential Indoor Air VAL*	EB-01-Q	EB-01-R	EB-01-S	EB-01-T	EB-01-V	EB-01-W	EB-01-X	EB-01-Y	EB-01-Z	EB-01-AA	EB-01-AB	EB-01-AC	EB-01-AD	EB-01-AE	EB-01-AF
Date	---	---	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023
Trichloroethene	ug/m ³	2.1	0.96	0.41	<0.14	0.20	0.32	0.81	2.4	61	400	290	46	17	13	11	3.2
Tetrachloroethene	ug/m ³	42	0.18	<0.15	<0.17	<0.15	<0.15	<0.15	0.15	<0.17	0.45	0.58	0.58	0.50	0.23	0.51	0.75
cis-1,2-Dichloroethene	ug/m ³	--	<0.14 C	<0.14 C	<0.16	<0.14 C	<0.14 C	<0.14 C	<0.14 C	<0.16 C	<0.16	0.29 C	<0.16 C	<0.16 C	<0.16 C	<0.14 C	<0.16 C
trans-1,2-Dichloroethene	ug/m ³	42	0.62 C	0.65 C	0.43 C	1.6 C	0.56 C	1.1 C	0.90 C	<0.33 C	<0.33	<0.33 C	0.39 C	0.36 C	<0.33 C	0.34 C	0.68 C

*Based on WDNR Quick Look-Up Table dated February 2022

C - Estimated concentration due to calculated sampling rate

TABLE 1
 Passive Air Sampling Results for Commissioning
 Community Within the Corridor - East Block

Sample ID	Units	Residential Indoor Air VAL*	EB-01-AG	EB-01-AH	EB-01-AI	EB-02-B	EB-02-C	EB-02-D	EB-02-E	EB-02-F	LB-02-G	EB-02-H	EB-02-I	EB-02-J	EB-02-K	EB-02-L	EB-02-M
Date	---	---	2/28/2023	2/28/2023	2/28/2023	2/28/2023	3/1/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	3/1/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023
Trichloroethene	ug/m ³	2.1	0.70	5.0	0.20	0.22	0.14	<0.14	0.17	<0.13	<0.14	0.18	<0.12	0.19	0.60	1.6	0.31
Tetrachloroethene	ug/m ³	42	<0.17	<0.15	<0.14	<0.15	<0.15	<0.17	<0.14	<0.15	<0.17	<0.15	<0.14	<0.15	<0.15	<0.15	<0.17
cis-1,2-Dichloroethene	ug/m ³	--	<0.16 C	<0.14 C	<0.14 C	0.19 C	<0.14 C	<0.16 C	<0.14 C	<0.14 C	<0.16 C	<0.14 C	<0.14 C	<0.14 C	<0.14 C	<0.14 C	<0.16 C
trans-1,2-Dichloroethene	ug/m ³	42	0.46 C	2.8 C	0.71 C	0.43 C	0.48 C	<0.33 C	0.57 C	1.2 C	<0.33 C	0.52 C	0.69 C	0.61 C	1.7 C	2.8 C	<0.33 C

*Based on WDNR Quick Look-Up Table dated February 2022
 C - Estimated concentration due to calculated sampling rate

TABLE 1
 Passive Air Sampling Results for Commissioning
 Community Within the Corridor - East Block

Sample ID	Units	Residential Indoor Air VAL*	EB-02-N	EB-02-O	EB-02-P	EB-02-Q	EB-02-R	EB-02-Q	EB-02-R	EB-02-S	EB-02-T	EB-02-U	EB-02-V	EB-02-W	EB-02-X	EB-02-Y	EB-02-Z
Date	---	---	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023	2/28/2023
Trichloroethene	ug/m ³	2.1	4.6	0.84	2.7	1.4	2.0	1.4	2.0	0.16	0.39	0.24	0.60	0.38	4.2	1.0	<0.12
Tetrachloroethene	ug/m ³	42	<0.15	0.21	<0.15	<0.17	0.17	<0.17	0.17	<0.17	<0.14	<0.15	<0.15	<0.17	<0.15	<0.16	<0.14
cis-1,2-Dichloroethene	ug/m ³	--	<0.14 C	<0.16 C	<0.14 C	<0.16 C	<0.14 C	<0.16 C	<0.14 C	<0.16 C	<0.14 C	<0.14 C	<0.14 C	<0.16 C	<0.14 C	<0.14 C	<0.14 C
trans-1,2-Dichloroethene	ug/m ³	42	0.89 C	<0.33 C	0.89 C	<0.33 C	0.95 C	<0.33 C	0.95 C	0.36 C	0.74 C	1.7 C	1.7 C	0.75 C	2.5 C	1.2 C	1.6 C

*Based on WDNR Quick Look-Up Table dated February 2022
 C - Estimated concentration due to calculated sampling rate

TABLE 1
 Passive Air Sampling Results for Commissioning
 Community Within the Corridor - East Block

Sample ID	Units	Residential Indoor Air VAL*	EB-03-A	EB-03-B	EB-03-C	EB-03-D	EB-03-E	EB-03-F	EB-03-G	EB-03-H	EB-03-I	EB-03-J	EB-03-K	EB-03-L	EB-03-M	EB-03-N	EB-03-O
Date	---	---	2/28/2023	3/1/2023	2/28/2023	3/1/2023	2/28/2023	3/1/2023	2/28/2023	3/1/2023	3/1/2023	3/1/2023	3/1/2023	3/1/2023	3/1/2023	3/1/2023	3/1/2023
Trichloroethene	ug/m ³	2.1	0.22	0.15	0.13	<0.11	<0.11	0.13	0.15	0.18	0.38	0.46	0.65	1.3	4.0	0.94	0.58
Tetrachloroethene	ug/m ³	42	<0.13	<0.15	<0.13	<0.13	<0.13	<0.13	<0.14	<0.15	<0.13	<0.13	0.25	0.19	<0.13	0.29	0.41
cis-1,2-Dichloroethene	ug/m ³	--	0.18 C	<0.14 C	<0.12 C	<0.12 C	<0.12	<0.12 C	<0.12 C	<0.14 C	<0.12 C	<0.12	<0.12 C	<0.12 C	<0.12 C	<0.12 C	<0.12 C
trans-1,2-Dichloroethene	ug/m ³	42	0.40 C	<0.30 C	0.41	0.50 C	0.63 C	0.33 C	0.46 C	0.52 C	1.4 C	0.93 C	1.1 C	1.0 C	2.6 C	1.6 C	1.0 C

*Based on WDNR Quick Look-Up Table dated February 2022
 C - Estimated concentration due to calculated sampling rate

TABLE 1
 Passive Air Sampling Results for Commissioning
 Community Within the Corridor - East Block

Sample ID	Units	Residential Indoor Air VAL*	EB-03-Q	EB-03-R	EB-03-S	EB-03-T	OA-EB-BR Background
Date	---	---	3/1/2023	3/1/2023	3/1/2023	3/1/2023	2/28/2023
Trichloroethene	ug/m ³	2.1	0.46	0.20	<0.11	0.85	<0.14
Tetrachloroethene	ug/m ³	42	0.42	<0.13	<0.13	<0.13	<0.17
cis-1,2-Dichloroethene	ug/m ³	--	<0.12 C	<0.12 C	<0.12 C	<0.12 C	<0.16 C
trans-1,2-Dichloroethene	ug/m ³	42	0.90 C	1.3 C	1.6 C	1.3 C	<0.33 C

*Based on WDNR Quick Look-Up Table dated February 2022

C - Estimated concentration due to calculated sampling rate

Table 2: Sub-slab Vacuum Measurement Results
 Community within the Corridor - East Block
 KSingh Project No. 40441

Date	3/14/2023
Sample Location	Reading (inches H2O)
VP-1	0.09
VP-2	0.21
VP-3	0.15
VP-4	0.01
VP-5	0.10
VP-6	0.00
VP-7	0.31
VP-8	0.13
VP-9	0.42
VP-10	0.01
VP-11	0.00
VP-12	0.00
VP-13	0.00
VP-14	NM
VP-15	0.06
VP-16	0.35
VP-17	0.01
VP-18	0.01
VP-19	0.04
VP-20	0.00
VP-21	0.01
VP-22	0.01
VP-23	0.00
VP-24	0.02
VP-25	0.01
VP-26	0.00
VP-27	0.00
VP-28	0.01
VP-29	0.01
VP-30	0.02
VP-31	0.05
VP-32	0.00
VP-33	0.00
VP-34	0.00
VP-35	0.00
VP-36	0.00
VP-37	0.00
VP-38	0.01
VP-39	0.01
VP-40	0.11
VP-41	0.05
VP-42	0.01
VP-43	0.00

NA - Not measured, slab too thick.

TABLE 3
EXHAUST FAN SAMPLING RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			EP-1	EP-2
	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	3/16/2023	3/16/2023
			ug/m ³	ug/m ³	
1,1,1-Trichloroethane	170,000	730,000	2,200,000	1.36	1.14
1,1,2,2-Tetrachloroethane	1.6	7	21	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	2.9	8.8	< 0.258	< 0.258
1,1-Dichloroethane	600	2,600	7,700	0.24 J	< 0.187
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21
1,2,4-Trichlorobenzene	700	2933	8,800	< 0.657	< 0.657
1,2,4-Trimethylbenzene	2,100	8,700	26,000	0.98	0.78 J
1,2-Dichlorobenzene	700	2933	8,800	< 0.235	< 0.235
1,2-Dichloroethane	36	160	470	< 0.24	< 0.24
1,2-Dichloropropane	14	60	180	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	< 0.446	< 0.446
1,3,5-Trimethylbenzene	2,100	8,700	26,000	0.44 J	0.34 J
1,3-Butadiene	---	---	---	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	< 0.302	< 0.302
1,4-Dichlorobenzene	8	37	110	< 0.302	< 0.302
1,4-Dioxane	18	83.3	250	< 0.157	< 0.157
2-Hexanone	---	---	---	0.9	0.57 J
4-Ethyltoluene	---	---	---	0.34 J	0.294 J
Acetone	106,667	466,667	1,400,000	32	17.8
Benzene	120	530	1,600	1.25	1.02
Benzyl Chloride	1.9	8	25	< 0.209	< 0.209
Bromodichloromethane	2.53	11	33	0.8 J	0.87 J
Bromoform	86.6	367	1,100	< 0.414	< 0.414
Bromomethane	17.3	73	220	< 0.2	< 0.2
Carbon Disulfide	2,433	10,333	31,000	1.09	0.78
Carbon Tetrachloride	156	667	2,000	0.5 J	0.69 J
Chlorobenzene	173	733	2,200	< 0.251	< 0.251
Chloroethane	33,333	146,667	440,000	0.29 J	< 0.159
Chloroform	3,100	13,000	39,000	1.61	1.56
Chloromethane	3,100	13,000	39,000	1.8 J	0.93 J
cis-1,2-Dichloroethene	---	---	---	0.83	0.52 J
cis-1,3-Dichloropropene	---	---	---	< 0.234	< 0.234
Cyclohexane	3,333	14,667	44,000	< 0.212	< 0.212
Dibromochloromethane	---	---	---	0.43 J	0.51 J
Dichlorodifluoromethane	3,300	14,667	44,000	2.42	2.57
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 0.342	< 0.342
Ethanol	---	---	---	55	42
Ethyl Acetate	---	---	---	< 0.176	< 0.176
Ethylbenzene	370	1,600	4,900	0.74	0.61 J
Heptane	---	---	---	1.47	0.82 J
Hexachlorobutadiene	4.3	19	56	< 0.489	< 0.489
Hexane	1,400	6,000	18,000	1.44	16
Isopropyl Alcohol	---	---	---	10.4	4.5
m&p-Xylene	3,300	15,000	44,000	1.99	1.56
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	6.3	4.8
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	0.33 J	< 0.168
Methyl Methacrylate	---	---	---	0.98	0.65 J
Methyl tert-butyl ether (MTBE)	3,700	16,000	47,000	< 0.16	< 0.16
Methylene chloride	21,000	87,000	260,000	134	< 15
Naphthalene	28	6,000	360	< 0.675	< 0.675
o-Xylene	3,300	15,000	44,000	0.95	0.82
Propene	---	---	---	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	0.47 J	0.43 J
Tetrachloroethene (PCE)	1,400	6,000	18,000	4.3	4.5
Tetrahydrofuran	7,000	29,333	88,000	2.74	1.41
Toluene	170,000	730,000	2,200,000	7.5	6.3
trans-1,2-Dichloroethene	---	---	---	7.7	7.6
trans-1,3-Dichloropropene	---	---	---	< 0.198	< 0.198
Trichloroethene (TCE)	70	290	880	20.1	20.4
Trichlorofluoromethane	---	---	---	1.52	1.52
Trichlorotrifluoroethane	---	---	---	0.84 J	0.54 J
Vinyl acetate	700	2933	8,800	< 0.203	< 0.203
Vinyl Chloride	57	930	2,800	< 0.148	< 0.148

Comments

All results in micrograms per cubic meter (ug/m³)

"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation

"10" Code = Linear Range of Calibration Curve Exceeded

VRSL = Vapor Risk Screening Levels

Indicates detection is above Residential VRSLs

Indicates detection is above Small Commercial VRSLs

Indicates detection is above Large Commercial / Industrial VRSLs

ATTACHMENTS

ATTACHMENT A

Passive Air Sampling Test Results

Analytical Report

3/16/2023

Mr. Robert Reineke
K Singh & Associates
3636 N 124th St

Wauwatosa WI 53222

Project Name: CWC EB
Project #: 40441
Workorder #: 2303074B

Dear Mr. Robert Reineke

The following report includes the data for the above referenced project for sample(s) received on 3/3/2023 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White
Project Manager

WORK ORDER #: 2303074B

Work Order Summary

CLIENT: Mr. Robert Reineke
K Singh & Associates
3636 N 124th St
Wauwatosa, WI 53222

BILL TO: Mr. Robert Reineke
K Singh & Associates
3636 N 124th St
Wauwatosa, WI 53222

PHONE:**P.O. #****FAX:****PROJECT #** 40441 CWC EB**DATE RECEIVED:** 03/03/2023**CONTACT:** Jade White**DATE COMPLETED:** 03/16/2023**FRACTION #****NAME****TEST**

41A	RD778 (EB-01-B)	Passive S.E. RAD130/SKC
42A	QY297 (OA-EB-BR)	Passive S.E. RAD130/SKC
43A	QY964 (EB-01-V)	Passive S.E. RAD130/SKC
44A	QY965 (EB-01-T)	Passive S.E. RAD130/SKC
45A	QY966 (EB-01-L)	Passive S.E. RAD130/SKC
46A	QY967 (EB-01-K)	Passive S.E. RAD130/SKC
47A	QY958 (EB-02-X)	Passive S.E. RAD130/SKC
48A	QY286 (EB-02-P)	Passive S.E. RAD130/SKC
49A	QY287 (EB-02-N)	Passive S.E. RAD130/SKC
50A	QY288 (EB-02-Y)	Passive S.E. RAD130/SKC
51A	QY294 (EB-02-U)	Passive S.E. RAD130/SKC
52A	QY293 (EB-02-V)	Passive S.E. RAD130/SKC
53A	QY289 (EB-02-K)	Passive S.E. RAD130/SKC
54A	QY291 (EB-02-R)	Passive S.E. RAD130/SKC
55A	QY292 (EB-02-T)	Passive S.E. RAD130/SKC
56A	RD782 (EB-02-L)	Passive S.E. RAD130/SKC
57A	QY972 (EB-01-F)	Passive S.E. RAD130/SKC
58A	QY973 (EB-01-E)	Passive S.E. RAD130/SKC
59A	QY975 (EB-01-D)	Passive S.E. RAD130/SKC
60A	QY974 (EB-01-C)	Passive S.E. RAD130/SKC
61A	QY971 (EB-01-I)	Passive S.E. RAD130/SKC
62A	QY970 (EB-01-M)	Passive S.E. RAD130/SKC
63A	QY969 (EB-01-H)	Passive S.E. RAD130/SKC

Continued on next page

WORK ORDER #: 2303074B

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PHONE:

P.O. #

FAX:

PROJECT # 40441 CWC EB

DATE RECEIVED: 03/03/2023

CONTACT: Jade White

DATE COMPLETED: 03/16/2023

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
64A	QY968 (EB-01-W)	Passive S.E. RAD130/SKC
65A	RD776 (EB-01-J)	Passive S.E. RAD130/SKC
66A	QY961 (EB-01-X)	Passive S.E. RAD130/SKC
67A	QY959 (EB-01-O)	Passive S.E. RAD130/SKC
68A	QY960 (EB-01-AH)	Passive S.E. RAD130/SKC
69A	QY962 (EB-01-R)	Passive S.E. RAD130/SKC
70A	QY963 (EB-01-V)	Passive S.E. RAD130/SKC
71A	RD779 (EB-02-C)	Passive S.E. RAD130/SKC
72A	SV266 (LB-02-G)	Passive S.E. RAD130/SKC
73A	RD780 (EB-02-F)	Passive S.E. RAD130/SKC
74A	SV264 (EB-02-D)	Passive S.E. RAD130/SKC
75A	SV262 (EB-02-M)	Passive S.E. RAD130/SKC
76A	SV260 (EB-02-O)	Passive S.E. RAD130/SKC
77A	SV259 (EB-02-S)	Passive S.E. RAD130/SKC
78A	SV261 (EB-02-Q)	Passive S.E. RAD130/SKC
79A	QY295 (EB-02-W)	Passive S.E. RAD130/SKC
80A	SV273 (EB-03-H)	Passive S.E. RAD130/SKC
81A	RD772 (EB-03-B)	Passive S.E. RAD130/SKC
82A	Lab Blank	Passive S.E. RAD130/SKC
82B	Lab Blank	Passive S.E. RAD130/SKC
82C	Lab Blank	Passive S.E. RAD130/SKC
82D	Lab Blank	Passive S.E. RAD130/SKC
83A	CCV	Passive S.E. RAD130/SKC

Continued on next page

WORK ORDER #: 2303074B

Work Order Summary

CLIENT: Mr. Robert Reineke
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P.O. #

FAX:

PROJECT # 40441 CWC EB

DATE RECEIVED: 03/03/2023

CONTACT: Jade White

DATE COMPLETED: 03/16/2023

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
83B	CCV	Passive S.E. RAD130/SKC
83C	CCV	Passive S.E. RAD130/SKC
83D	CCV	Passive S.E. RAD130/SKC
84A	LCS	Passive S.E. RAD130/SKC
84AA	LCSD	Passive S.E. RAD130/SKC
84B	LCS	Passive S.E. RAD130/SKC
84BB	LCSD	Passive S.E. RAD130/SKC
84C	LCS	Passive S.E. RAD130/SKC
84CC	LCSD	Passive S.E. RAD130/SKC
84D	LCS	Passive S.E. RAD130/SKC
84DD	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY:



Technical Director

DATE: 03/16/23

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
K Singh & Associates
Workorder# 2303074B**

Forty-one Radiello 130 (Solvent) samples were received on March 03, 2023. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

<i>Requirement</i>	<i>TO-17</i>	<i>ATL Modifications</i>
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

If validated uptake rates were not available, rates were estimated using the chemical's diffusion coefficient in air and the geometric constant of the sampler. Chemicals that are poorly retained by the sorbent over the sampling duration may exhibit a low bias. All concentrations calculated using estimated rates are qualified with a "C" flag.

To calculate ug/m³ concentrations in the Lab Blanks, a sampling duration of 12885 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: RD778 (EB-01-B)

Lab ID#: 2303074B-41A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	3.8	4.9
cis-1,2-Dichloroethene	0.10	0.14	6.9 C	9.9 C
trans-1,2-Dichloroethene	0.20	0.30	0.29 C	0.44 C

Client Sample ID: QY297 (OA-EB-BR)

Lab ID#: 2303074B-42A

No Detections Were Found.

Client Sample ID: QY964 (EB-01-V)

Lab ID#: 2303074B-43A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.26	0.32
trans-1,2-Dichloroethene	0.20	0.29	0.39 C	0.56 C

Client Sample ID: QY965 (EB-01-T)

Lab ID#: 2303074B-44A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.16	0.20
trans-1,2-Dichloroethene	0.20	0.29	1.1 C	1.6 C

Client Sample ID: QY966 (EB-01-L)

Lab ID#: 2303074B-45A

No Detections Were Found.

Client Sample ID: QY967 (EB-01-K)

Lab ID#: 2303074B-46A

No Detections Were Found.

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: QY958 (EB-02-X)

Lab ID#: 2303074B-47A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	3.3	4.2
trans-1,2-Dichloroethene	0.20	0.29	1.7 C	2.5 C

Client Sample ID: QY286 (EB-02-P)

Lab ID#: 2303074B-48A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	2.1	2.7
trans-1,2-Dichloroethene	0.20	0.29	0.62 C	0.89 C

Client Sample ID: QY287 (EB-02-N)

Lab ID#: 2303074B-49A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	3.6	4.6
trans-1,2-Dichloroethene	0.20	0.29	0.62 C	0.89 C

Client Sample ID: QY288 (EB-02-Y)

Lab ID#: 2303074B-50A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.80	1.0
trans-1,2-Dichloroethene	0.20	0.29	0.84 C	1.2 C

Client Sample ID: QY294 (EB-02-U)

Lab ID#: 2303074B-51A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.20	0.24
trans-1,2-Dichloroethene	0.20	0.29	1.2 C	1.7 C

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: QY293 (EB-02-V)

Lab ID#: 2303074B-52A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.20	0.25
trans-1,2-Dichloroethene	0.20	0.29	0.45 C	0.64 C

Client Sample ID: QY289 (EB-02-K)

Lab ID#: 2303074B-53A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.48	0.60
trans-1,2-Dichloroethene	0.20	0.29	1.2 C	1.7 C

Client Sample ID: QY291 (EB-02-R)

Lab ID#: 2303074B-54A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	1.6	2.0
Tetrachloroethene	0.10	0.15	0.11	0.17
trans-1,2-Dichloroethene	0.20	0.29	0.66 C	0.95 C

Client Sample ID: QY292 (EB-02-T)

Lab ID#: 2303074B-55A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.31	0.39
trans-1,2-Dichloroethene	0.20	0.29	0.52 C	0.74 C

Client Sample ID: RD782 (EB-02-L)

Lab ID#: 2303074B-56A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	1.3	1.6
trans-1,2-Dichloroethene	0.20	0.29	1.9 C	2.8 C

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: QY972 (EB-01-F)

Lab ID#: 2303074B-57A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.20	0.25
cis-1,2-Dichloroethene	0.10	0.14	0.15 C	0.22 C
trans-1,2-Dichloroethene	0.20	0.29	0.25 C	0.36 C

Client Sample ID: QY973 (EB-01-E)

Lab ID#: 2303074B-58A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.16	0.20
cis-1,2-Dichloroethene	0.10	0.14	0.12 C	0.17 C
trans-1,2-Dichloroethene	0.20	0.29	0.20 C	0.29 C

Client Sample ID: QY975 (EB-01-D)

Lab ID#: 2303074B-59A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.26	0.32
cis-1,2-Dichloroethene	0.10	0.14	0.21 C	0.30 C

Client Sample ID: QY974 (EB-01-C)

Lab ID#: 2303074B-60A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.17	0.21
cis-1,2-Dichloroethene	0.10	0.14	0.14 C	0.20 C
trans-1,2-Dichloroethene	0.20	0.29	0.23 C	0.33 C

Client Sample ID: QY971 (EB-01-I)

Lab ID#: 2303074B-61A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.18	0.23

Summary of Detected Compounds VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: QY971 (EB-01-I)

Lab ID#: 2303074B-61A

trans-1,2-Dichloroethene	0.20	0.29	0.24 C	0.35 C
--------------------------	------	------	--------	--------

Client Sample ID: QY970 (EB-01-M)

Lab ID#: 2303074B-62A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.29	1.2 C	1.8 C

Client Sample ID: QY969 (EB-01-H)

Lab ID#: 2303074B-63A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.85	1.1
trans-1,2-Dichloroethene	0.20	0.29	0.28 C	0.40 C

Client Sample ID: QY968 (EB-01-W)

Lab ID#: 2303074B-64A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.64	0.81
trans-1,2-Dichloroethene	0.20	0.29	0.74 C	1.1 C

Client Sample ID: RD776 (EB-01-J)

Lab ID#: 2303074B-65A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	100	110
Tetrachloroethene	0.10	0.13	0.14	0.18
cis-1,2-Dichloroethene	0.10	0.12	0.20 C	0.25 C
trans-1,2-Dichloroethene	0.20	0.26	0.65 C	0.84 C

Client Sample ID: QY961 (EB-01-X)

Lab ID#: 2303074B-66A

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: QY961 (EB-01-X)

Lab ID#: 2303074B-66A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	1.9	2.4
Tetrachloroethene	0.10	0.15	0.10	0.15
trans-1,2-Dichloroethene	0.20	0.29	0.62 C	0.90 C

Client Sample ID: QY959 (EB-01-O)

Lab ID#: 2303074B-67A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	9.0	11
Tetrachloroethene	0.10	0.15	0.12	0.18
trans-1,2-Dichloroethene	0.20	0.29	0.82 C	1.2 C

Client Sample ID: QY960 (EB-01-AH)

Lab ID#: 2303074B-68A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	4.0	5.0
trans-1,2-Dichloroethene	0.20	0.29	1.9 C	2.8 C

Client Sample ID: QY962 (EB-01-R)

Lab ID#: 2303074B-69A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.32	0.41
trans-1,2-Dichloroethene	0.20	0.29	0.45 C	0.65 C

Client Sample ID: QY963 (EB-01-V)

Lab ID#: 2303074B-70A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.29	0.41 C	0.60 C

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: RD779 (EB-02-C)

Lab ID#: 2303074B-71A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.11	0.14
trans-1,2-Dichloroethene	0.20	0.30	0.32 C	0.48 C

Client Sample ID: SV266 (LB-02-G)

Lab ID#: 2303074B-72A

No Detections Were Found.

Client Sample ID: RD780 (EB-02-F)

Lab ID#: 2303074B-73A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.30	0.80 C	1.2 C

Client Sample ID: SV264 (EB-02-D)

Lab ID#: 2303074B-74A

No Detections Were Found.

Client Sample ID: SV262 (EB-02-M)

Lab ID#: 2303074B-75A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.22	0.31

Client Sample ID: SV260 (EB-02-O)

Lab ID#: 2303074B-76A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.58	0.84
Tetrachloroethene	0.10	0.17	0.12	0.21

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: SV259 (EB-02-S)

Lab ID#: 2303074B-77A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.11	0.16
trans-1,2-Dichloroethene	0.20	0.33	0.22 C	0.36 C

Client Sample ID: SV261 (EB-02-Q)

Lab ID#: 2303074B-78A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.98	1.4

Client Sample ID: QY295 (EB-02-W)

Lab ID#: 2303074B-79A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.26	0.38
trans-1,2-Dichloroethene	0.20	0.33	0.45 C	0.75 C

Client Sample ID: SV273 (EB-03-H)

Lab ID#: 2303074B-80A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.14	0.18
trans-1,2-Dichloroethene	0.20	0.30	0.35 C	0.52 C

Client Sample ID: RD772 (EB-03-B)

Lab ID#: 2303074B-81A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.12	0.15

Client Sample ID: RD778 (EB-01-B)

Lab ID#: 2303074B-41A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031420sim	Date of Collection:	3/1/23 9:07:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 02:14 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	3.8	4.9
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	6.9 C	9.9 C
trans-1,2-Dichloroethene	0.20	0.30	0.29 C	0.44 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11204 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130



Air Toxics

Client Sample ID: QY297 (OA-EB-BR)

Lab ID#: 2303074B-42A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031421sim	Date of Collection:	2/28/23 1:22:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 02:41 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10017 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130



Air Toxics

Client Sample ID: QY964 (EB-01-V)

Lab ID#: 2303074B-43A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031422sim	Date of Collection:	2/28/23 10:21:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 03:09 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.26	0.32
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.39 C	0.56 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11507 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130



Air Toxics

Client Sample ID: QY965 (EB-01-T)

Lab ID#: 2303074B-44A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031423sim	Date of Collection:	2/28/23 10:18:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 03:35 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.16	0.20
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	1.1 C	1.6 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11502 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130



Air Toxics

Client Sample ID: QY966 (EB-01-L)

Lab ID#: 2303074B-45A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031424sim	Date of Collection:	2/28/23 10:14:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 04:02 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11496 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130



Air Toxics

Client Sample ID: QY967 (EB-01-K)

Lab ID#: 2303074B-46A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031425sim	Date of Collection:	2/28/23 10:10:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 04:29 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11490 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Client Sample ID: QY958 (EB-02-X)

Lab ID#: 2303074B-47A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031415sim	Date of Collection:	2/28/23 11:24:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 12:07 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	3.3	4.2
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	1.7 C	2.5 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11560 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130



Air Toxics

Client Sample ID: QY286 (EB-02-P)

Lab ID#: 2303074B-48A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031416sim	Date of Collection:	2/28/23 11:28:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 12:34 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	2.1	2.7
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.62 C	0.89 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11562 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130



Air Toxics

Client Sample ID: QY287 (EB-02-N)

Lab ID#: 2303074B-49A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031417sim	Date of Collection:	2/28/23 11:38:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 01:01 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	3.6	4.6
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.62 C	0.89 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11569 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130



Air Toxics

Client Sample ID: QY288 (EB-02-Y)

Lab ID#: 2303074B-50A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031418sim	Date of Collection:	2/28/23 11:41:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 01:29 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.80	1.0
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.84 C	1.2 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11567 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130

Client Sample ID: QY294 (EB-02-U)

Lab ID#: 2303074B-51A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031419sim	Date of Collection:	2/28/23 12:40:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 01:56 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.20	0.24
Tetrachloroethene	0.10	0.14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	1.2 C	1.7 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11625 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130

Client Sample ID: QY293 (EB-02-V)

Lab ID#: 2303074B-52A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031420sim	Date of Collection:	2/28/23 12:45:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 02:24 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.20	0.25
Tetrachloroethene	0.10	0.14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.45 C	0.64 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11628 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130



Air Toxics

Client Sample ID: QY289 (EB-02-K)

Lab ID#: 2303074B-53A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031421sim	Date of Collection:	2/28/23 11:47:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 02:51 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.48	0.60
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	1.2 C	1.7 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11568 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130

Client Sample ID: QY291 (EB-02-R)

Lab ID#: 2303074B-54A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031422sim	Date of Collection:	2/28/23 12:24:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 03:18 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	1.6	2.0
Tetrachloroethene	0.10	0.15	0.11	0.17
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.66 C	0.95 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11601 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130



Air Toxics

Client Sample ID: QY292 (EB-02-T)

Lab ID#: 2303074B-55A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031423sim	Date of Collection:	2/28/23 12:32:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 03:46 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.31	0.39
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.52 C	0.74 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11606 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130



Air Toxics

Client Sample ID: RD782 (EB-02-L)

Lab ID#: 2303074B-56A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031424sim	Date of Collection:	2/28/23 12:15:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 04:13 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	1.3	1.6
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	1.9 C	2.8 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11587 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130

Client Sample ID: QY972 (EB-01-F)

Lab ID#: 2303074B-57A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031425sim	Date of Collection:	2/28/23 9:49:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/14/23 04:40 PM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.20	0.25
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	0.15 C	0.22 C
trans-1,2-Dichloroethene	0.20	0.29	0.25 C	0.36 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11519 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130



Air Toxics

Client Sample ID: QY973 (EB-01-E)

Lab ID#: 2303074B-58A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031506sim	Date of Collection:	2/28/23 9:30:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 08:23 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.16	0.20
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	0.12 C	0.17 C
trans-1,2-Dichloroethene	0.20	0.29	0.20 C	0.29 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11490 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Client Sample ID: QY975 (EB-01-D)

Lab ID#: 2303074B-59A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031507sim	Date of Collection:	2/28/23 9:44:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 08:50 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.26	0.32
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	0.21 C	0.30 C
trans-1,2-Dichloroethene	0.20	0.29	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11499 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Client Sample ID: QY974 (EB-01-C)

Lab ID#: 2303074B-60A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031508sim	Date of Collection:	2/28/23 9:39:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:17 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.17	0.21
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	0.14 C	0.20 C
trans-1,2-Dichloroethene	0.20	0.29	0.23 C	0.33 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11492 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130



Air Toxics

Client Sample ID: QY971 (EB-01-I)

Lab ID#: 2303074B-61A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031509sim	Date of Collection:	2/28/23 9:54:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:44 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.18	0.23
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.24 C	0.35 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11504 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

Client Sample ID: QY970 (EB-01-M)

Lab ID#: 2303074B-62A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031510sim	Date of Collection:	2/28/23 9:58:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 10:11 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	1.2 C	1.8 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11505 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

Client Sample ID: QY969 (EB-01-H)

Lab ID#: 2303074B-63A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031511sim	Date of Collection:	2/28/23 10:01:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 10:45 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.85	1.1
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.28 C	0.40 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11506 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Client Sample ID: QY968 (EB-01-W)

Lab ID#: 2303074B-64A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031512sim	Date of Collection:	2/28/23 10:06:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 11:12 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.64	0.81
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.74 C	1.1 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11509 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Client Sample ID: RD776 (EB-01-J)

Lab ID#: 2303074B-65A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031506sim	Date of Collection:	3/1/23 9:04:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 08:26 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	100	110
Tetrachloroethene	0.10	0.13	0.14	0.18
cis-1,2-Dichloroethene	0.10	0.12	0.20 C	0.25 C
trans-1,2-Dichloroethene	0.20	0.26	0.65 C	0.84 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12885 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Client Sample ID: QY961 (EB-01-X)

Lab ID#: 2303074B-66A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031507sim	Date of Collection:	2/28/23 10:36:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 08:53 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	1.9	2.4
Tetrachloroethene	0.10	0.15	0.10	0.15
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.62 C	0.90 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11534 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130



Air Toxics

Client Sample ID: QY959 (EB-01-O)

Lab ID#: 2303074B-67A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031508sim	Date of Collection:	2/28/23 10:44:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:20 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	9.0	11
Tetrachloroethene	0.10	0.15	0.12	0.18
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.82 C	1.2 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11540 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130



Air Toxics

Client Sample ID: QY960 (EB-01-AH)

Lab ID#: 2303074B-68A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031509sim	Date of Collection:	2/28/23 10:39:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:47 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	4.0	5.0
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	1.9 C	2.8 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11533 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130

Client Sample ID: QY962 (EB-01-R)

Lab ID#: 2303074B-69A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031510sim	Date of Collection:	2/28/23 10:31:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 10:14 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.32	0.41
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.45 C	0.65 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11523 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130

Client Sample ID: QY963 (EB-01-V)

Lab ID#: 2303074B-70A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031511sim	Date of Collection:	2/28/23 10:28:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 10:41 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.41 C	0.60 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11518 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130



Air Toxics

Client Sample ID: RD779 (EB-02-C)

Lab ID#: 2303074B-71A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031512sim	Date of Collection:	3/1/23 9:11:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 11:09 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.11	0.14
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.30	0.32 C	0.48 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11196 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130



Air Toxics

Client Sample ID: SV266 (LB-02-G)

Lab ID#: 2303074B-72A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031513sim	Date of Collection:	2/28/23 2:38:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 11:36 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10081 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Client Sample ID: RD780 (EB-02-F)

Lab ID#: 2303074B-73A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031514sim	Date of Collection:	3/1/23 9:15:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 12:04 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.30	0.80 C	1.2 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11196 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130



Air Toxics

Client Sample ID: SV264 (EB-02-D)

Lab ID#: 2303074B-74A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031515sim	Date of Collection:	2/28/23 2:34:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 12:31 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10073 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130

Client Sample ID: SV262 (EB-02-M)

Lab ID#: 2303074B-75A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031516sim	Date of Collection:	2/28/23 2:29:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 12:59 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.22	0.31
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10066 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Client Sample ID: SV260 (EB-02-O)

Lab ID#: 2303074B-76A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031517sim	Date of Collection:	2/28/23 2:24:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 01:26 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.58	0.84
Tetrachloroethene	0.10	0.17	0.12	0.21
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10059 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Client Sample ID: SV259 (EB-02-S)

Lab ID#: 2303074B-77A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031518sim	Date of Collection:	2/28/23 2:18:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 01:54 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.11	0.16
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.22 C	0.36 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10051 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

Client Sample ID: SV261 (EB-02-Q)

Lab ID#: 2303074B-78A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031519sim	Date of Collection:	2/28/23 2:28:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 02:21 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.98	1.4
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10051 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Client Sample ID: QY295 (EB-02-W)

Lab ID#: 2303074B-79A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031520sim	Date of Collection:	2/28/23 12:47:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 02:49 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.26	0.38
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.45 C	0.75 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 9956 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Client Sample ID: SV273 (EB-03-H)

Lab ID#: 2303074B-80A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031521sim	Date of Collection:	3/1/23 8:40:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 03:17 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.14	0.18
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.30	0.35 C	0.52 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11147 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Client Sample ID: RD772 (EB-03-B)

Lab ID#: 2303074B-81A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031522sim	Date of Collection:	3/1/23 8:49:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 03:44 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.12	0.15
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.30	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11154 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130

Client Sample ID: Lab Blank

Lab ID#: 2303074B-82A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031405sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/14/23 07:38 AM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12885 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2303074B-82B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031405sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/14/23 07:40 AM
		Date of Extraction:	3/14/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12885 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130

Client Sample ID: Lab Blank

Lab ID#: 2303074B-82C

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031505sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 07:57 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12885 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

Client Sample ID: Lab Blank

Lab ID#: 2303074B-82D

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031505sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 07:59 AM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12885 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Client Sample ID: CCV

Lab ID#: 2303074B-83A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031402sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/23 06:16 AM
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	96
Tetrachloroethene	90
cis-1,2-Dichloroethene	107
trans-1,2-Dichloroethene	111

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Client Sample ID: CCV

Lab ID#: 2303074B-83B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031402sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/14/23 06:19 AM
		Date of Extraction:	NA

Compound	%Recovery
Trichloroethene	106
Tetrachloroethene	108
cis-1,2-Dichloroethene	102
trans-1,2-Dichloroethene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	110	70-130

Client Sample ID: CCV

Lab ID#: 2303074B-83C

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031502sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 06:34 AM
		Date of Extraction:	NA

Compound	%Recovery
Trichloroethene	96
Tetrachloroethene	90
cis-1,2-Dichloroethene	102
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130



Client Sample ID: CCV

Lab ID#: 2303074B-83D

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031502sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 06:38 AM
		Date of Extraction:	NA

Compound	%Recovery
Trichloroethene	107
Tetrachloroethene	104
cis-1,2-Dichloroethene	109
trans-1,2-Dichloroethene	111

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130

Client Sample ID: LCS

Lab ID#: 2303074B-84A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031403sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/23 06:43 AM
		Date of Extraction: 3/14/23

Compound	%Recovery	Method Limits
Trichloroethene	84	70-130
Tetrachloroethene	78	70-130
cis-1,2-Dichloroethene	98	70-130
trans-1,2-Dichloroethene	97	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130



Client Sample ID: LCSD

Lab ID#: 2303074B-84AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031404sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/14/23 07:11 AM
		Date of Extraction:	3/14/23

Compound	%Recovery	Method Limits
Trichloroethene	83	70-130
Tetrachloroethene	79	70-130
cis-1,2-Dichloroethene	96	70-130
trans-1,2-Dichloroethene	95	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

Client Sample ID: LCS

Lab ID#: 2303074B-84B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031403sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/23 06:46 AM
		Date of Extraction: 3/14/23

Compound	%Recovery	Method Limits
Trichloroethene	92	70-130
Tetrachloroethene	97	70-130
cis-1,2-Dichloroethene	92	70-130
trans-1,2-Dichloroethene	90	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Client Sample ID: LCSD

Lab ID#: 2303074B-84BB

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031404sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/23 07:13 AM
		Date of Extraction: 3/14/23

Compound	%Recovery	Method Limits
Trichloroethene	95	70-130
Tetrachloroethene	98	70-130
cis-1,2-Dichloroethene	102	70-130
trans-1,2-Dichloroethene	102	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130

Client Sample ID: LCS

Lab ID#: 2303074B-84C

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031503sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/15/23 07:02 AM
		Date of Extraction: 3/15/23

Compound	%Recovery	Method Limits
Trichloroethene	89	70-130
Tetrachloroethene	85	70-130
cis-1,2-Dichloroethene	98	70-130
trans-1,2-Dichloroethene	96	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Client Sample ID: LCSD

Lab ID#: 2303074B-84CC

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031504sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 07:29 AM
		Date of Extraction:	3/15/23

Compound	%Recovery	Method Limits
Trichloroethene	86	70-130
Tetrachloroethene	87	70-130
cis-1,2-Dichloroethene	90	70-130
trans-1,2-Dichloroethene	86	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

Client Sample ID: LCS

Lab ID#: 2303074B-84D

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031503sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/15/23 07:04 AM
		Date of Extraction: 3/15/23

Compound	%Recovery	Method Limits
Trichloroethene	98	70-130
Tetrachloroethene	98	70-130
cis-1,2-Dichloroethene	108	70-130
trans-1,2-Dichloroethene	109	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Client Sample ID: LCSD

Lab ID#: 2303074B-84DD

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031504sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/15/23 07:31 AM
		Date of Extraction: 3/15/23

Compound	%Recovery	Method Limits
Trichloroethene	98	70-130
Tetrachloroethene	98	70-130
cis-1,2-Dichloroethene	104	70-130
trans-1,2-Dichloroethene	103	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

ATTACHMENT B

Exhaust Fan Sampling Test Results

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

DAN PELCZAR
K SINGH & ASSOCIATES
3636 N. 124TH STREET
MILWAUKEE. WI 53222

Report Date 06-Apr-23

Project Name CWC WEST BLOCK
Project # 40441

Invoice # E42179

Lab Code 5042179A
Sample ID EB-EF-N
Sample Matrix Air
Sample Date 3/16/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	32	ug/m3	0.299	0.95	1	TO-15		3/27/2023	CJR	1
Benzene	1.25	ug/m3	0.136	0.433	1	TO-15		3/27/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/27/2023	CJR	1
Bromodichloromethane	0.8 "J"	ug/m3	0.374	1.19	1	TO-15		3/27/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/27/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/27/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/27/2023	CJR	1
Carbon Disulfide	1.09	ug/m3	0.138	0.44	1	TO-15		3/27/2023	CJR	1
Carbon Tetrachloride	0.5 "J"	ug/m3	0.307	0.978	1	TO-15		3/27/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/27/2023	CJR	1
Chloroethane	0.29 "J"	ug/m3	0.159	0.507	1	TO-15		3/27/2023	CJR	1
Chloroform	1.61	ug/m3	0.3	0.953	1	TO-15		3/27/2023	CJR	1
Chloromethane	1.8 "J"	ug/m3	0.831	2.64	1	TO-15		3/27/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/27/2023	CJR	1
Dibromochloromethane	0.43 "J"	ug/m3	0.376	1.2	1	TO-15		3/27/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/27/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/27/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/27/2023	CJR	1
Dichlorodifluoromethane	2.42	ug/m3	0.263	0.836	1	TO-15		3/27/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/27/2023	CJR	1
1,1-Dichloroethane	0.24 "J"	ug/m3	0.187	0.596	1	TO-15		3/27/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/27/2023	CJR	1
cis-1,2-Dichloroethene	0.83	ug/m3	0.197	0.626	1	TO-15		3/27/2023	CJR	1
trans-1,2-Dichloroethene	7.7	ug/m3	0.231	0.734	1	TO-15		3/27/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/27/2023	CJR	1

Project Name CWC WEST BLOCK
Project # 40441

Invoice # E42179

Lab Code 5042179A
Sample ID EB-EF-N
Sample Matrix Air
Sample Date 3/16/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/27/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/27/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/27/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/27/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/27/2023	CJR	1
Ethanol	55	ug/m3	0.152	0.482	1	TO-15		3/27/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/27/2023	CJR	1
Ethylbenzene	0.74	ug/m3	0.203	0.645	1	TO-15		3/27/2023	CJR	1
4-Ethyltoluene	0.34 "J"	ug/m3	0.214	0.681	1	TO-15		3/27/2023	CJR	1
Heptane	1.47	ug/m3	0.265	0.845	1	TO-15		3/27/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/27/2023	CJR	1
Hexane	1.44	ug/m3	0.235	0.748	1	TO-15		3/27/2023	CJR	1
2-Hexanone	0.9	ug/m3	0.222	0.707	1	TO-15		3/27/2023	CJR	1
Isopropyl Alcohol	10.4	ug/m3	0.109	0.347	1	TO-15		3/27/2023	CJR	1
Methyl ethyl ketone (MEK)	6.3	ug/m3	0.178	0.567	1	TO-15		3/27/2023	CJR	1
Methyl isobutyl ketone (MIBK)	0.33 "J"	ug/m3	0.168	0.536	1	TO-15		3/27/2023	CJR	1
Methyl Methacrylate	0.98	ug/m3	0.217	0.69	1	TO-15		3/27/2023	CJR	1
Methylene chloride	134	ug/m3	0.159	0.506	1	TO-15		3/27/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/27/2023	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/27/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/27/2023	CJR	1
Styrene	0.47 "J"	ug/m3	0.181	0.577	1	TO-15		3/27/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/27/2023	CJR	1
Tetrachloroethene	4.3	ug/m3	0.278	0.884	1	TO-15		3/27/2023	CJR	1
Tetrahydrofuran	2.74	ug/m3	0.131	0.417	1	TO-15		3/27/2023	CJR	1
Toluene	7.5	ug/m3	0.184	0.585	1	TO-15		3/27/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/27/2023	CJR	1
1,1,1-Trichloroethane	1.36	ug/m3	0.249	0.793	1	TO-15		3/27/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/27/2023	CJR	1
Trichloroethene (TCE)	20.1	ug/m3	0.237	0.754	1	TO-15		3/27/2023	CJR	1
Trichlorofluoromethane	1.52	ug/m3	0.337	1.07	1	TO-15		3/27/2023	CJR	1
Trichlorotrifluoroethane	0.84 "J"	ug/m3	0.402	1.28	1	TO-15		3/27/2023	CJR	1
1,2,4-Trimethylbenzene	0.98	ug/m3	0.283	0.899	1	TO-15		3/27/2023	CJR	1
1,3,5-Trimethylbenzene	0.44 "J"	ug/m3	0.232	0.739	1	TO-15		3/27/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/27/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/27/2023	CJR	1
m&p-Xylene	1.99	ug/m3	0.377	1.2	1	TO-15		3/27/2023	CJR	1
o-Xylene	0.95	ug/m3	0.218	0.695	1	TO-15		3/27/2023	CJR	1

Project Name CWC WEST BLOCK
 Project # 40441

Invoice # E42179

Lab Code 5042179B
 Sample ID EB-EF-S
 Sample Matrix Air
 Sample Date 3/16/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	17.8	ug/m3	0.299	0.95	1	TO-15		3/31/2023	CJR	1
Benzene	1.02	ug/m3	0.136	0.433	1	TO-15		3/31/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/31/2023	CJR	1
Bromodichloromethane	0.87 "J"	ug/m3	0.374	1.19	1	TO-15		3/31/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/31/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/31/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/31/2023	CJR	1
Carbon Disulfide	0.78	ug/m3	0.138	0.44	1	TO-15		3/31/2023	CJR	1
Carbon Tetrachloride	0.69 "J"	ug/m3	0.307	0.978	1	TO-15		3/31/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/31/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/31/2023	CJR	1
Chloroform	1.56	ug/m3	0.3	0.953	1	TO-15		3/31/2023	CJR	1
Chloromethane	0.93 "J"	ug/m3	0.831	2.64	1	TO-15		3/31/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/31/2023	CJR	1
Dibromochloromethane	0.51 "J"	ug/m3	0.376	1.2	1	TO-15		3/31/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/31/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/31/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/31/2023	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		3/31/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/31/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/31/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/31/2023	CJR	1
cis-1,2-Dichloroethene	0.52 "J"	ug/m3	0.197	0.626	1	TO-15		3/31/2023	CJR	1
trans-1,2-Dichloroethene	7.6	ug/m3	0.231	0.734	1	TO-15		3/31/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/31/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/31/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/31/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/31/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/31/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/31/2023	CJR	1
Ethanol	42	ug/m3	0.152	0.482	1	TO-15		3/31/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/31/2023	CJR	1
Ethylbenzene	0.61 "J"	ug/m3	0.203	0.645	1	TO-15		3/31/2023	CJR	1
4-Ethyltoluene	0.294 "J"	ug/m3	0.214	0.681	1	TO-15		3/31/2023	CJR	1
Heptane	0.82 "J"	ug/m3	0.265	0.845	1	TO-15		3/31/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/31/2023	CJR	1
Hexane	16	ug/m3	0.235	0.748	1	TO-15		3/31/2023	CJR	1
2-Hexanone	0.57 "J"	ug/m3	0.222	0.707	1	TO-15		3/31/2023	CJR	1
Isopropyl Alcohol	4.5	ug/m3	0.109	0.347	1	TO-15		3/31/2023	CJR	1
Methyl ethyl ketone (MEK)	4.8	ug/m3	0.178	0.567	1	TO-15		3/31/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/31/2023	CJR	1
Methyl Methacrylate	0.65 "J"	ug/m3	0.217	0.69	1	TO-15		3/31/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/31/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/31/2023	CJR	1

Project Name CWC WEST BLOCK
Project # 40441

Invoice # E42179

Lab Code 5042179B
Sample ID EB-EF-S
Sample Matrix Air
Sample Date 3/16/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/31/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/31/2023	CJR	1
Styrene	0.43 "J"	ug/m3	0.181	0.577	1	TO-15		3/31/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/31/2023	CJR	1
Tetrachloroethene	4.5	ug/m3	0.278	0.884	1	TO-15		3/31/2023	CJR	1
Tetrahydrofuran	1.41	ug/m3	0.131	0.417	1	TO-15		3/31/2023	CJR	1
Toluene	6.3	ug/m3	0.184	0.585	1	TO-15		3/31/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/31/2023	CJR	1
1,1,1-Trichloroethane	1.14	ug/m3	0.249	0.793	1	TO-15		3/31/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/31/2023	CJR	1
Trichloroethene (TCE)	20.4	ug/m3	0.237	0.754	1	TO-15		3/31/2023	CJR	1
Trichlorofluoromethane	1.52	ug/m3	0.337	1.07	1	TO-15		3/31/2023	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/31/2023	CJR	1
1,2,4-Trimethylbenzene	0.78 "J"	ug/m3	0.283	0.899	1	TO-15		3/31/2023	CJR	1
1,3,5-Trimethylbenzene	0.34 "J"	ug/m3	0.232	0.739	1	TO-15		3/31/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/31/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/31/2023	CJR	1
m&p-Xylene	1.56	ug/m3	0.377	1.2	1	TO-15		3/31/2023	CJR	1
o-Xylene	0.82	ug/m3	0.218	0.695	1	TO-15		3/31/2023	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Project Name CWC WEST BLOCK
Project # 40441

Invoice # E42179

Lab Code 5042179A
Sample ID EB-EF-N
Sample Matrix Air
Sample Date 3/16/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	32	ug/m3	0.299	0.95	1	TO-15		3/27/2023	CJR	1
Benzene	1.25	ug/m3	0.136	0.433	1	TO-15		3/27/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/27/2023	CJR	1
Bromodichloromethane	0.8 "J"	ug/m3	0.374	1.19	1	TO-15		3/27/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/27/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/27/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/27/2023	CJR	1
Carbon Disulfide	1.09	ug/m3	0.138	0.44	1	TO-15		3/27/2023	CJR	1
Carbon Tetrachloride	0.5 "J"	ug/m3	0.307	0.978	1	TO-15		3/27/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/27/2023	CJR	1
Chloroethane	0.29 "J"	ug/m3	0.159	0.507	1	TO-15		3/27/2023	CJR	1
Chloroform	1.61	ug/m3	0.3	0.953	1	TO-15		3/27/2023	CJR	1
Chloromethane	1.8 "J"	ug/m3	0.831	2.64	1	TO-15		3/27/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/27/2023	CJR	1
Dibromochloromethane	0.43 "J"	ug/m3	0.376	1.2	1	TO-15		3/27/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/27/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/27/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/27/2023	CJR	1
Dichlorodifluoromethane	2.42	ug/m3	0.263	0.836	1	TO-15		3/27/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/27/2023	CJR	1
1,1-Dichloroethane	0.24 "J"	ug/m3	0.187	0.596	1	TO-15		3/27/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/27/2023	CJR	1
cis-1,2-Dichloroethene	0.83	ug/m3	0.197	0.626	1	TO-15		3/27/2023	CJR	1
trans-1,2-Dichloroethene	7.7	ug/m3	0.231	0.734	1	TO-15		3/27/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/27/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/27/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/27/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/27/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/27/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/27/2023	CJR	1
Ethanol	55	ug/m3	0.152	0.482	1	TO-15		3/27/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/27/2023	CJR	1
Ethylbenzene	0.74	ug/m3	0.203	0.645	1	TO-15		3/27/2023	CJR	1
4-Ethyltoluene	0.34 "J"	ug/m3	0.214	0.681	1	TO-15		3/27/2023	CJR	1
Heptane	1.47	ug/m3	0.265	0.845	1	TO-15		3/27/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/27/2023	CJR	1
Hexane	1.44	ug/m3	0.235	0.748	1	TO-15		3/27/2023	CJR	1
2-Hexanone	0.9	ug/m3	0.222	0.707	1	TO-15		3/27/2023	CJR	1
Isopropyl Alcohol	10.4	ug/m3	0.109	0.347	1	TO-15		3/27/2023	CJR	1
Methyl ethyl ketone (MEK)	6.3	ug/m3	0.178	0.567	1	TO-15		3/27/2023	CJR	1
Methyl isobutyl ketone (MIBK)	0.33 "J"	ug/m3	0.168	0.536	1	TO-15		3/27/2023	CJR	1
Methyl Methacrylate	0.98	ug/m3	0.217	0.69	1	TO-15		3/27/2023	CJR	1
Methylene chloride	134	ug/m3	0.159	0.506	1	TO-15		3/27/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/27/2023	CJR	1

Project Name CWC WEST BLOCK
Project # 40441

Invoice # E42179

Lab Code 5042179A
Sample ID EB-EF-N
Sample Matrix Air
Sample Date 3/16/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/27/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/27/2023	CJR	1
Styrene	0.47 "J"	ug/m3	0.181	0.577	1	TO-15		3/27/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/27/2023	CJR	1
Tetrachloroethene	4.3	ug/m3	0.278	0.884	1	TO-15		3/27/2023	CJR	1
Tetrahydrofuran	2.74	ug/m3	0.131	0.417	1	TO-15		3/27/2023	CJR	1
Toluene	7.5	ug/m3	0.184	0.585	1	TO-15		3/27/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/27/2023	CJR	1
1,1,1-Trichloroethane	1.36	ug/m3	0.249	0.793	1	TO-15		3/27/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/27/2023	CJR	1
Trichloroethene (TCE)	20.1	ug/m3	0.237	0.754	1	TO-15		3/27/2023	CJR	1
Trichlorofluoromethane	1.52	ug/m3	0.337	1.07	1	TO-15		3/27/2023	CJR	1
Trichlorotrifluoroethane	0.84 "J"	ug/m3	0.402	1.28	1	TO-15		3/27/2023	CJR	1
1,2,4-Trimethylbenzene	0.98	ug/m3	0.283	0.899	1	TO-15		3/27/2023	CJR	1
1,3,5-Trimethylbenzene	0.44 "J"	ug/m3	0.232	0.739	1	TO-15		3/27/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/27/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/27/2023	CJR	1
m&p-Xylene	1.99	ug/m3	0.377	1.2	1	TO-15		3/27/2023	CJR	1
o-Xylene	0.95	ug/m3	0.218	0.695	1	TO-15		3/27/2023	CJR	1

Project Name CWC WEST BLOCK
Project # 40441

Invoice # E42179

Lab Code 5042179B
Sample ID EB-EF-S
Sample Matrix Air
Sample Date 3/16/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	17.8	ug/m3	0.299	0.95	1	TO-15		3/31/2023	CJR	1
Benzene	1.02	ug/m3	0.136	0.433	1	TO-15		3/31/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/31/2023	CJR	1
Bromodichloromethane	0.87 "J"	ug/m3	0.374	1.19	1	TO-15		3/31/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/31/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/31/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/31/2023	CJR	1
Carbon Disulfide	0.78	ug/m3	0.138	0.44	1	TO-15		3/31/2023	CJR	1
Carbon Tetrachloride	0.69 "J"	ug/m3	0.307	0.978	1	TO-15		3/31/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/31/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/31/2023	CJR	1
Chloroform	1.56	ug/m3	0.3	0.953	1	TO-15		3/31/2023	CJR	1
Chloromethane	0.93 "J"	ug/m3	0.831	2.64	1	TO-15		3/31/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/31/2023	CJR	1
Dibromochloromethane	0.51 "J"	ug/m3	0.376	1.2	1	TO-15		3/31/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/31/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/31/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/31/2023	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		3/31/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/31/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/31/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/31/2023	CJR	1
cis-1,2-Dichloroethene	0.52 "J"	ug/m3	0.197	0.626	1	TO-15		3/31/2023	CJR	1
trans-1,2-Dichloroethene	7.6	ug/m3	0.231	0.734	1	TO-15		3/31/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/31/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/31/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/31/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/31/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/31/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/31/2023	CJR	1
Ethanol	42	ug/m3	0.152	0.482	1	TO-15		3/31/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/31/2023	CJR	1
Ethylbenzene	0.61 "J"	ug/m3	0.203	0.645	1	TO-15		3/31/2023	CJR	1
4-Ethyltoluene	0.294 "J"	ug/m3	0.214	0.681	1	TO-15		3/31/2023	CJR	1
Heptane	0.82 "J"	ug/m3	0.265	0.845	1	TO-15		3/31/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/31/2023	CJR	1
Hexane	16	ug/m3	0.235	0.748	1	TO-15		3/31/2023	CJR	1
2-Hexanone	0.57 "J"	ug/m3	0.222	0.707	1	TO-15		3/31/2023	CJR	1
Isopropyl Alcohol	4.5	ug/m3	0.109	0.347	1	TO-15		3/31/2023	CJR	1
Methyl ethyl ketone (MEK)	4.8	ug/m3	0.178	0.567	1	TO-15		3/31/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/31/2023	CJR	1
Methyl Methacrylate	0.65 "J"	ug/m3	0.217	0.69	1	TO-15		3/31/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/31/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/31/2023	CJR	1

Project Name CWC WEST BLOCK
Project # 40441

Invoice # E42179

Lab Code 5042179B
Sample ID EB-EF-S
Sample Matrix Air
Sample Date 3/16/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/31/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/31/2023	CJR	1
Styrene	0.43 "J"	ug/m3	0.181	0.577	1	TO-15		3/31/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/31/2023	CJR	1
Tetrachloroethene	4.5	ug/m3	0.278	0.884	1	TO-15		3/31/2023	CJR	1
Tetrahydrofuran	1.41	ug/m3	0.131	0.417	1	TO-15		3/31/2023	CJR	1
Toluene	6.3	ug/m3	0.184	0.585	1	TO-15		3/31/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/31/2023	CJR	1
1,1,1-Trichloroethane	1.14	ug/m3	0.249	0.793	1	TO-15		3/31/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/31/2023	CJR	1
Trichloroethene (TCE)	20.4	ug/m3	0.237	0.754	1	TO-15		3/31/2023	CJR	1
Trichlorofluoromethane	1.52	ug/m3	0.337	1.07	1	TO-15		3/31/2023	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/31/2023	CJR	1
1,2,4-Trimethylbenzene	0.78 "J"	ug/m3	0.283	0.899	1	TO-15		3/31/2023	CJR	1
1,3,5-Trimethylbenzene	0.34 "J"	ug/m3	0.232	0.739	1	TO-15		3/31/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/31/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/31/2023	CJR	1
m&p-Xylene	1.56	ug/m3	0.377	1.2	1	TO-15		3/31/2023	CJR	1
o-Xylene	0.82	ug/m3	0.218	0.695	1	TO-15		3/31/2023	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature