

March 23, 2023

Ms. Jane Pfeiffer
Wisconsin Department of Natural Resources
Southeast Region Office
Remediation and Redevelopment Program
1027 W. St. Paul Avenue
Milwaukee, WI 53233

Project # 40441

Subject: **Results of First Round Passive Air Sampling and Contingency Actions – Community within the Corridor – East Block**
2748 N 32nd Street, Milwaukee, WI 53208
BRRTS # 02-41-263675 FID 241025400

Dear Ms. Pfeiffer:

On behalf of the Community Within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) submits the results of passive air sampling performed as part of the first round of commissioning for the vapor mitigation system installed on the referenced site. These results and the subsequent contingency plans are based on the Commissioning Plan submitted to the WDNR on December 23, 2022 and updated on February 8, 2023.

Project Background

The Community Within the Corridor Limited Partnership has redeveloped the property into a mix of affordable housing, commercial spaces, and other amenities. The development includes the following: The Corridor Lofts (64 Units), Creme City Lofts (36 Units) & 30 Square Townhomes (6 Units) and the Briggs Apartment Homes (91 Units) and a Community Service Facility which will include early childhood education, Science, Technology, Engineering, Art & Math after school programming, a health club (Basketball, Volleyball & Futsal, Skatepark), laundromat and a petite grocery store. The property has been rezoned Industrial Mix to facilitate development of the project.

Sampling Plan and Preliminary Results

Commissioning sampling was performed in accordance with a Commissioning Plan submitted to the WDNR on December 23, 2022. An update to the original Commissioning Plan incorporating comments from the WDNR was submitted on February 8, 2023.

Commissioning sampling included the collection and testing of passive indoor air samples for Trichloroethylene (TCE), Tetrachloroethylene (PCE), cis-1,2-Dichloroethylene (cis-DCE) and trans-1,2-Dichloroethylene (trans-DCE) to document compliance with residential vapor action limits (VALs). A total of eighty (80) passive air samples were planned to be collected as part of commissioning.

A total of eighty-one sample 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, two sample kits (EB-01-U and EB-03-P) were missing. In addition, two sample locations (EB-02-A and EB-01-A) were unable to be accessed. These locations will be sampled now that access to that portion of the facility has been obtained. Sample kits were submitted to Eurofins Air Toxics, LLC Folsom, CA for analysis for chlorinated solvents including TCE, PCE, cis-DCE and trans-DCE. Locations of passive air samples are depicted on Figure 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. The locations of VAL exceedances in relation to occupied units are depicted on Figure 1. The analytical results are included in Attachment A and are summarized on Table 1.

Contingency Plans

Based on the results of the first round of passive air sampling, the following actions will be taken:

- The building occupants will be notified of exceedances of the VAL for TCE in indoor air.
- Smoke testing will be conducted in the areas in which concentrations of TCE were identified in exceedance of residential VALs in order to determine where infiltration is taking place.
- A portable gas chromatograph will be utilized in order to determine migratory pathways for sub-slab vapors.
- Entry points (as determined by portable GC and smoke testing) will be sealed utilizing expanding foam sealant.
- Flow will be diverted from portions of the facility which show adequate vacuum and show passive air sample results below Residential VALs. These areas include Building 1B-S, 1B-SE, 1C, and 1D.
- Sample locations which were unable to be tested due to access limitations (EB-02-A and EB-01-A) or where sample kits were missing upon retrieval (EB-01-U and EB-03-P) will be retested.

We request WDNR's approval of the contingency plan for the commissioning of the vapor intrusion system. Please contact us, if you have any questions or seek clarification regarding this submittal.

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

Attachments:

Figure 1 Passive Air Sampling Locations and Results

Table 1 Passive Air Sampling Results

Attachment A Laboratory Reports

FIGURE



T 414.220.9640
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202

CONSULTANTS:

COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK

2746 N. 32nd Street
Milwaukee, WI 53210

SHEET TITLE
FLOOR FINISH PLAN - LEVEL 01 & 02

REVISIONS:

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

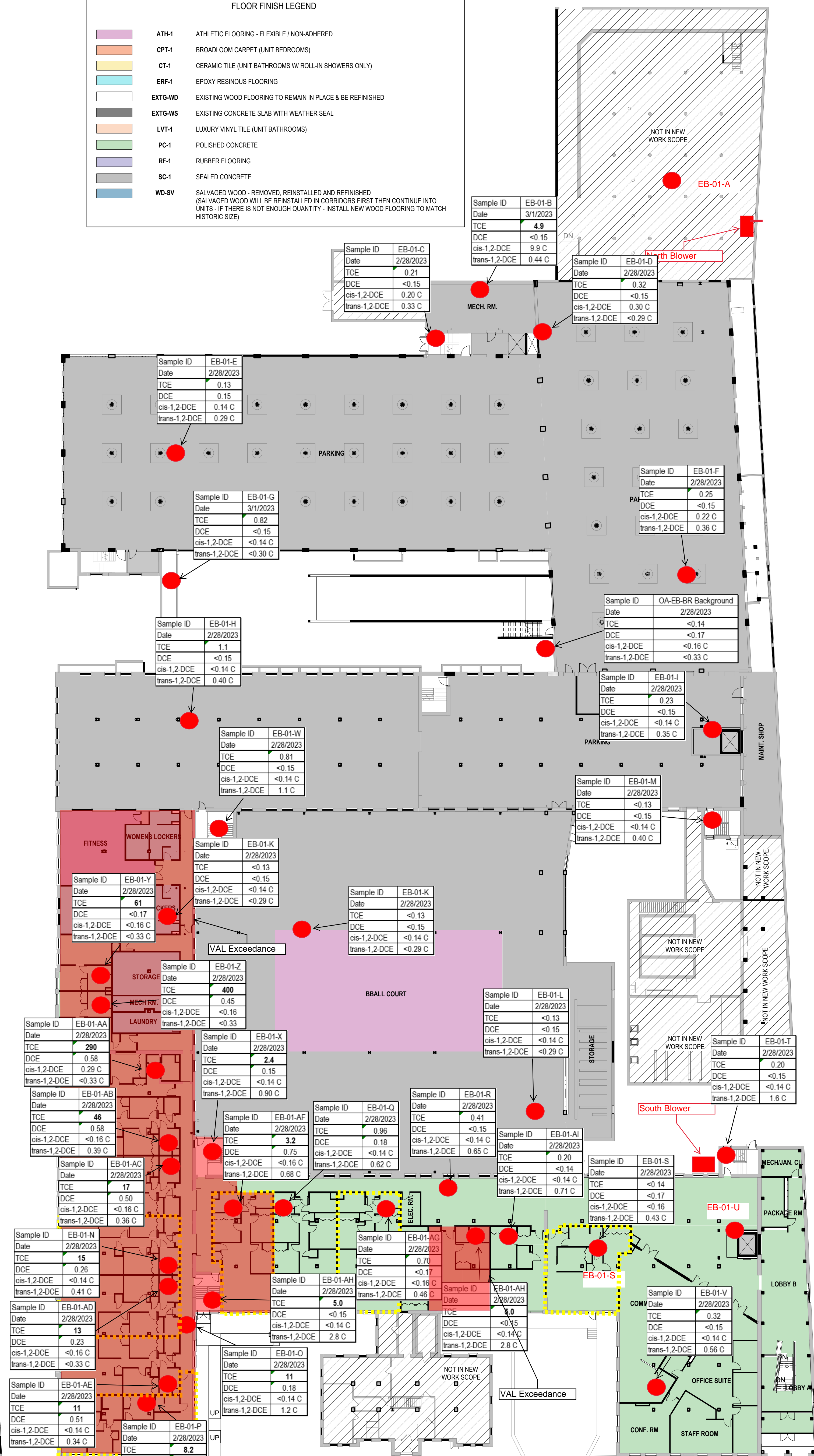
FLOOR FINISH LEGEND

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)



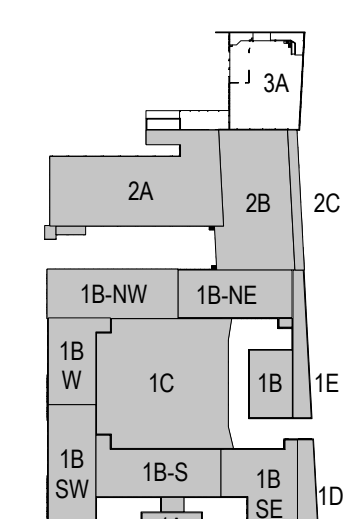
2 FINISH PLAN - LEVEL 02
Scale: 3/64" = 1'-0"
0' 2.65' 5.3' 8'

23 Samples Level 02



1 FINISH PLAN - LEVEL 01
Scale: 3/64" = 1'-0"
0' 2.65' 5.3' 8'

22 Samples - Level 01



KEY PLAN

© COPYRIGHT 2020, CONTINUUM ARCHITECTS + PLANNERS, S.C.



T 414.220.9640
 751 N Jefferson St.
 Suite 200
 Milwaukee, WI 53202

CONSULTANTS:

COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK

2748 N. 32nd Street
 Milwaukee, WI 53210

SHEET TITLE
 FLOOR FINISH PLAN - LEVEL 03

REVISIONS:

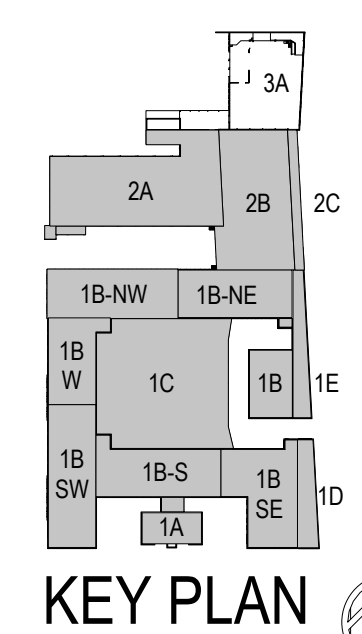
SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	09/25/20
SHEET NUMBER	A902E

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)

Occupied Unit
 VAL Exceedance



1 FINISH PLAN - LEVEL 03 17 Samples Level 3



© COPYRIGHT 2020, CONTINUUM ARCHITECTS + PLANNERS, S.C.

TABLE

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

ATTACHMENTS

ATTACHMENT A

Laboratory Analytical 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 #: 2303074A

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 #: 2303074A

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

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	SV263 (EB-02-Z)	Passive S.E. RAD130/SKC
02A	QY290 (EB-02-J)	Passive S.E. RAD130/SKC
03A	QY296 (EB-02-E)	Passive S.E. RAD130/SKC
04A	SV265 (EB-02-B)	Passive S.E. RAD130/SKC
05A	SV267 (EB-02-H)	Passive S.E. RAD130/SKC
06A	SV268 (EB-02-I)	Passive S.E. RAD130/SKC
07A	RD775 (EB-03-E)	Passive S.E. RAD130/SKC
08A	RD774 (EB-03-D)	Passive S.E. RAD130/SKC
09A	RD781 (EB-03-C)	Passive S.E. RAD130/SKC
10A	RD773 (EB-03-A)	Passive S.E. RAD130/SKC
11A	RD750 (EB-03-F)	Passive S.E. RAD130/SKC
12A	RD748 (EB-03-G)	Passive S.E. RAD130/SKC
13A	RD749 (EB-03-S)	Passive S.E. RAD130/SKC
14A	SV272 (EB-03-I)	Passive S.E. RAD130/SKC
15A	SV270 (EB-03-J)	Passive S.E. RAD130/SKC
16A	SV271 (EB-03-T)	Passive S.E. RAD130/SKC
17A	SV269 (EB-03-K)	Passive S.E. RAD130/SKC
18A	QY010 (EB-03-L)	Passive S.E. RAD130/SKC
19A	QY011 (EB-03-M)	Passive S.E. RAD130/SKC
20A	QY012 (EB-03-N)	Passive S.E. RAD130/SKC
21A	QY978 (EB-03-O)	Passive S.E. RAD130/SKC
22A	QY976 (EB-03-Q)	Passive S.E. RAD130/SKC
23A(cancelled)	EB-03-P	Passive S.E. RAD130/SKC

Continued on next page

WORK ORDER #: 2303074A

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

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
24A	QY977 (EB-03-R)	Passive S.E. RAD130/SKC
25A	SV-257 (EB-01-AI)	Passive S.E. RAD130/SKC
26A	SV-256 (EB-01-AH)	Passive S.E. RAD130/SKC
27A	SV-254 (EB-01-Q)	Passive S.E. RAD130/SKC
28A	QY-305 (EB-01-AE)	Passive S.E. RAD130/SKC
29A	SV258 (EB-01-S)	Passive S.E. RAD130/SKC
30A	SV255 (EB-01-AG)	Passive S.E. RAD130/SKC
31A	SV253 (EB-01-AF)	Passive S.E. RAD130/SKC
32A	QY306 (EB-01-P)	Passive S.E. RAD130/SKC
33A	QY304 (EB-01-AD)	Passive S.E. RAD130/SKC
34A	QY303 (EB-01-N)	Passive S.E. RAD130/SKC
35A	QY302 (EB-01-AC)	Passive S.E. RAD130/SKC
36A	QY301 (EB-01-AB)	Passive S.E. RAD130/SKC
37A	QY300 (EB-01-AA)	Passive S.E. RAD130/SKC
38A	QY299 (EB-01-Z)	Passive S.E. RAD130/SKC
39A	QY298 (EB-01-Y)	Passive S.E. RAD130/SKC
40A	RD777 (EB-01-G)	Passive S.E. RAD130/SKC
41A	Lab Blank	Passive S.E. RAD130/SKC
41B	Lab Blank	Passive S.E. RAD130/SKC
42A	CCV	Passive S.E. RAD130/SKC
42B	CCV	Passive S.E. RAD130/SKC
43A	LCS	Passive S.E. RAD130/SKC
43AA	LCSD	Passive S.E. RAD130/SKC

Continued on next page

WORK ORDER #: 2303074A

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:

FAX:

DATE RECEIVED: 03/03/2023

DATE COMPLETED: 03/16/2023

P.O. #

PROJECT # 40441 CWC EB

CONTACT: Jade White

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
43B	LCS	Passive S.E. RAD130/SKC
43BB	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.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

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# 2303074A**

Forty 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

Sample EB-03-P was not received at Eurofins Air Toxics, LLC despite notation on the COC.

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 12826 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: SV263 (EB-02-Z)

Lab ID#: 2303074A-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.28	1.2 C	1.6 C

Client Sample ID: QY290 (EB-02-J)

Lab ID#: 2303074A-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.15	0.19
trans-1,2-Dichloroethene	0.20	0.29	0.42 C	0.61 C

Client Sample ID: QY296 (EB-02-E)

Lab ID#: 2303074A-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.14	0.17
trans-1,2-Dichloroethene	0.20	0.29	0.40 C	0.57 C

Client Sample ID: SV265 (EB-02-B)

Lab ID#: 2303074A-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.18	0.22
cis-1,2-Dichloroethene	0.10	0.14	0.14 C	0.19 C
trans-1,2-Dichloroethene	0.20	0.28	0.30 C	0.43 C

Client Sample ID: SV267 (EB-02-H)

Lab ID#: 2303074A-05A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.28	0.62 C	0.88 C

Client Sample ID: SV268 (EB-02-I)

Lab ID#: 2303074A-06A

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

Client Sample ID: SV268 (EB-02-I)

Lab ID#: 2303074A-06A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.28	0.49 C	0.69 C

Client Sample ID: RD775 (EB-03-E)

Lab ID#: 2303074A-07A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	0.48 C	0.63 C

Client Sample ID: RD774 (EB-03-D)

Lab ID#: 2303074A-08A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	0.38 C	0.50 C

Client Sample ID: RD781 (EB-03-C)

Lab ID#: 2303074A-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.12	0.13
trans-1,2-Dichloroethene	0.20	0.26	0.31 C	0.41 C

Client Sample ID: RD773 (EB-03-A)

Lab ID#: 2303074A-10A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.20	0.22
cis-1,2-Dichloroethene	0.10	0.12	0.14 C	0.18 C
trans-1,2-Dichloroethene	0.20	0.26	0.30 C	0.40 C

Client Sample ID: RD750 (EB-03-F)

Lab ID#: 2303074A-11A

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

Client Sample ID: RD750 (EB-03-F)

Lab ID#: 2303074A-11A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.11	0.13
trans-1,2-Dichloroethene	0.20	0.26	0.26 C	0.33 C

Client Sample ID: RD748 (EB-03-G)

Lab ID#: 2303074A-12A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.13	0.15
trans-1,2-Dichloroethene	0.20	0.26	0.35 C	0.46 C

Client Sample ID: RD749 (EB-03-S)

Lab ID#: 2303074A-13A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	1.2 C	1.6 C

Client Sample ID: SV272 (EB-03-I)

Lab ID#: 2303074A-14A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.34	0.38
trans-1,2-Dichloroethene	0.20	0.26	1.1 C	1.4 C

Client Sample ID: SV270 (EB-03-J)

Lab ID#: 2303074A-15A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.41	0.46
trans-1,2-Dichloroethene	0.20	0.26	0.72 C	0.93 C

Client Sample ID: SV271 (EB-03-T)

Lab ID#: 2303074A-16A

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

Client Sample ID: SV271 (EB-03-T)

Lab ID#: 2303074A-16A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.75	0.85
trans-1,2-Dichloroethene	0.20	0.26	1.0 C	1.3 C

Client Sample ID: SV269 (EB-03-K)

Lab ID#: 2303074A-17A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.57	0.65
Tetrachloroethene	0.10	0.13	0.19	0.25
trans-1,2-Dichloroethene	0.20	0.26	0.82 C	1.1 C

Client Sample ID: QY010 (EB-03-L)

Lab ID#: 2303074A-18A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	1.1	1.3
Tetrachloroethene	0.10	0.13	0.14	0.19
trans-1,2-Dichloroethene	0.20	0.26	0.78 C	1.0 C

Client Sample ID: QY011 (EB-03-M)

Lab ID#: 2303074A-19A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	3.5	4.0
trans-1,2-Dichloroethene	0.20	0.26	2.0 C	2.6 C

Client Sample ID: QY012 (EB-03-N)

Lab ID#: 2303074A-20A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.82	0.94
Tetrachloroethene	0.10	0.13	0.22	0.29

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

Client Sample ID: QY012 (EB-03-N)

Lab ID#: 2303074A-20A

trans-1,2-Dichloroethene	0.20	0.26	1.2 C	1.6 C
--------------------------	------	------	-------	-------

Client Sample ID: QY978 (EB-03-O)

Lab ID#: 2303074A-21A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.51	0.58
Tetrachloroethene	0.10	0.13	0.31	0.41
trans-1,2-Dichloroethene	0.20	0.26	0.77 C	1.0 C

Client Sample ID: QY976 (EB-03-Q)

Lab ID#: 2303074A-22A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.40	0.46
Tetrachloroethene	0.10	0.13	0.31	0.42
trans-1,2-Dichloroethene	0.20	0.26	0.69 C	0.90 C

Client Sample ID: QY977 (EB-03-R)

Lab ID#: 2303074A-24A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.18	0.20
trans-1,2-Dichloroethene	0.20	0.26	1.0 C	1.3 C

Client Sample ID: SV-257 (EB-01-AI)

Lab ID#: 2303074A-25A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.16	0.20
trans-1,2-Dichloroethene	0.20	0.29	0.49 C	0.71 C

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

Client Sample ID: SV-256 (EB-01-AH)

Lab ID#: 2303074A-26A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.23	0.28
trans-1,2-Dichloroethene	0.20	0.29	0.40 C	0.58 C

Client Sample ID: SV-254 (EB-01-Q)

Lab ID#: 2303074A-27A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.77	0.96
Tetrachloroethene	0.10	0.15	0.13	0.18
trans-1,2-Dichloroethene	0.20	0.29	0.43 C	0.62 C

Client Sample ID: QY-305 (EB-01-AE)

Lab ID#: 2303074A-28A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	8.9	11
Tetrachloroethene	0.10	0.15	0.35	0.51
trans-1,2-Dichloroethene	0.20	0.29	0.24 C	0.34 C

Client Sample ID: SV258 (EB-01-S)

Lab ID#: 2303074A-29A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.26 C	0.43 C

Client Sample ID: SV255 (EB-01-AG)

Lab ID#: 2303074A-30A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.49	0.70
trans-1,2-Dichloroethene	0.20	0.33	0.28 C	0.46 C

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

Client Sample ID: SV253 (EB-01-AF)

Lab ID#: 2303074A-31A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	2.2	3.2
Tetrachloroethene	0.10	0.17	0.45	0.75
trans-1,2-Dichloroethene	0.20	0.33	0.41 C	0.68 C

Client Sample ID: QY306 (EB-01-P)

Lab ID#: 2303074A-32A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	5.7	8.2
Tetrachloroethene	0.10	0.17	0.82	1.4

Client Sample ID: QY304 (EB-01-AD)

Lab ID#: 2303074A-33A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	9.1	13
Tetrachloroethene	0.10	0.17	0.13	0.23

Client Sample ID: QY303 (EB-01-N)

Lab ID#: 2303074A-34A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	10	15
Tetrachloroethene	0.10	0.17	0.15	0.26
trans-1,2-Dichloroethene	0.20	0.33	0.25 C	0.41 C

Client Sample ID: QY302 (EB-01-AC)

Lab ID#: 2303074A-35A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	12	17
Tetrachloroethene	0.10	0.17	0.30	0.50

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

Client Sample ID: QY302 (EB-01-AC)

Lab ID#: 2303074A-35A

trans-1,2-Dichloroethene	0.20	0.33	0.22 C	0.36 C
--------------------------	------	------	--------	--------

Client Sample ID: QY301 (EB-01-AB)

Lab ID#: 2303074A-36A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	32	46
Tetrachloroethene	0.10	0.17	0.34	0.58
trans-1,2-Dichloroethene	0.20	0.33	0.23 C	0.39 C

Client Sample ID: QY300 (EB-01-AA)

Lab ID#: 2303074A-37A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	200	290
Tetrachloroethene	0.10	0.17	0.34	0.58
cis-1,2-Dichloroethene	0.10	0.16	0.18 C	0.29 C

Client Sample ID: QY299 (EB-01-Z)

Lab ID#: 2303074A-38A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	270	400
Tetrachloroethene	0.10	0.17	0.26	0.45

Client Sample ID: QY298 (EB-01-Y)

Lab ID#: 2303074A-39A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	42	61

Client Sample ID: RD777 (EB-01-G)

Lab ID#: 2303074A-40A

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

Client Sample ID: RD777 (EB-01-G)

Lab ID#: 2303074A-40A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.64	0.82

Client Sample ID: SV263 (EB-02-Z)

Lab ID#: 2303074A-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031528sim	Date of Collection:	2/28/23 2:32:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 06:44 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
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	0.28	1.2 C	1.6 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11720 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY290 (EB-02-J)

Lab ID#: 2303074A-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031529sim	Date of Collection:	2/28/23 11:55:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 07:12 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.15	0.19
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	0.42 C	0.61 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11561 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY296 (EB-02-E)

Lab ID#: 2303074A-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031530sim	Date of Collection:	2/28/23 12:56:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 07:39 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.14	0.17
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	0.40 C	0.57 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11619 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: SV265 (EB-02-B)

Lab ID#: 2303074A-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031531sim	Date of Collection:	2/28/23 2:36:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 08:07 PM
		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	0.22
Tetrachloroethene	0.10	0.14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	0.14 C	0.19 C
trans-1,2-Dichloroethene	0.20	0.28	0.30 C	0.43 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11717 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: SV267 (EB-02-H)

Lab ID#: 2303074A-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031532sim	Date of Collection:	2/28/23 2:41:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 08:34 PM
		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	0.14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	0.62 C	0.88 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11719 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: SV268 (EB-02-I)

Lab ID#: 2303074A-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031533sim	Date of Collection:	2/28/23 2:43:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:01 PM
		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	0.14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	0.49 C	0.69 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11719 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: RD775 (EB-03-E)

Lab ID#: 2303074A-07A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031534sim	Date of Collection:	3/1/23 8:51:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:28 PM
		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	0.48 C	0.63 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12805 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: RD774 (EB-03-D)

Lab ID#: 2303074A-08A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031535sim	Date of Collection:	3/1/23 8:49:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:56 PM
		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	0.38 C	0.50 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12801 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: RD781 (EB-03-C)

Lab ID#: 2303074A-09A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031536sim	Date of Collection:	3/1/23 9:17:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 10:23 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.12	0.13
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	0.31 C	0.41 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12826 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: RD773 (EB-03-A)

Lab ID#: 2303074A-10A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031537sim	Date of Collection:	3/1/23 8:47:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 10:51 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.20	0.22
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	0.14 C	0.18 C
trans-1,2-Dichloroethene	0.20	0.26	0.30 C	0.40 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12794 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: RD750 (EB-03-F)

Lab ID#: 2303074A-11A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031538sim	Date of Collection:	3/1/23 8:45:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 11:18 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.11	0.13
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	0.26 C	0.33 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12789 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: RD748 (EB-03-G)

Lab ID#: 2303074A-12A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031539sim	Date of Collection:	3/1/23 8:41:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 11:45 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.13	0.15
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	0.35 C	0.46 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12783 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: RD749 (EB-03-S)

Lab ID#: 2303074A-13A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031540sim	Date of Collection:	3/1/23 8:43:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/16/23 12:13 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	1.2 C	1.6 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12782 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: SV272 (EB-03-I)

Lab ID#: 2303074A-14A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031541sim	Date of Collection:	3/1/23 8:36:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/16/23 12:40 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	0.34	0.38
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	1.1 C	1.4 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12772 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: SV270 (EB-03-J)

Lab ID#: 2303074A-15A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031542sim	Date of Collection:	3/1/23 8:31:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/16/23 01:07 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	0.41	0.46
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	0.72 C	0.93 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12764 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: SV271 (EB-03-T)

Lab ID#: 2303074A-16A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031543sim	Date of Collection:	3/1/23 8:33:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/16/23 01:34 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	0.75	0.85
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	1.0 C	1.3 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12764 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: SV269 (EB-03-K)

Lab ID#: 2303074A-17A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031544sim	Date of Collection:	3/1/23 8:29:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/16/23 02:01 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	0.57	0.65
Tetrachloroethene	0.10	0.13	0.19	0.25
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.82 C	1.1 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12758 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY010 (EB-03-L)

Lab ID#: 2303074A-18A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031545sim	Date of Collection:	3/1/23 8:23:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/16/23 02:28 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	1.1	1.3
Tetrachloroethene	0.10	0.13	0.14	0.19
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.78 C	1.0 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12750 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY011 (EB-03-M)

Lab ID#: 2303074A-19A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031546sim	Date of Collection:	3/1/23 8:25:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/16/23 02:55 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	3.5	4.0
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	2.0 C	2.6 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12750 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: QY012 (EB-03-N)

Lab ID#: 2303074A-20A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031547sim	Date of Collection:	3/1/23 8:27:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/16/23 03:22 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	0.82	0.94
Tetrachloroethene	0.10	0.13	0.22	0.29
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	1.2 C	1.6 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12750 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY978 (EB-03-O)

Lab ID#: 2303074A-21A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031520sim	Date of Collection:	3/1/23 8:17:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 02:36 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.51	0.58
Tetrachloroethene	0.10	0.13	0.31	0.41
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.77 C	1.0 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12738 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY976 (EB-03-Q)

Lab ID#: 2303074A-22A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031521sim	Date of Collection:	3/1/23 8:21:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 03:04 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.40	0.46
Tetrachloroethene	0.10	0.13	0.31	0.42
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.69 C	0.90 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12739 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY977 (EB-03-R)

Lab ID#: 2303074A-24A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031522sim	Date of Collection:	3/1/23 8:19:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 03:32 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	0.18	0.20
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	1.0 C	1.3 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12732 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: SV-257 (EB-01-AI)

Lab ID#: 2303074A-25A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031523sim	Date of Collection:	2/28/23 2:05:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 03:59 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.16	0.20
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	0.49 C	0.71 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11614 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: SV-256 (EB-01-AH)

Lab ID#: 2303074A-26A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031524sim	Date of Collection:	2/28/23 2:03:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 04:27 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.23	0.28
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	0.40 C	0.58 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11608 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: SV-254 (EB-01-Q)

Lab ID#: 2303074A-27A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031525sim	Date of Collection:	2/28/23 2:01:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 04:54 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	0.77	0.96
Tetrachloroethene	0.10	0.15	0.13	0.18
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.43 C	0.62 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11604 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: QY-305 (EB-01-AE)

Lab ID#: 2303074A-28A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031526sim	Date of Collection:	2/28/23 1:50:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 05:21 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	8.9	11
Tetrachloroethene	0.10	0.15	0.35	0.51
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	0.34 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11591 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: SV258 (EB-01-S)

Lab ID#: 2303074A-29A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031527sim	Date of Collection:	2/28/23 2:03:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 05:49 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	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	0.26 C	0.43 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10084 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: SV255 (EB-01-AG)

Lab ID#: 2303074A-30A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031528sim	Date of Collection:	2/28/23 2:01:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 06:17 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.49	0.70
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	0.28 C	0.46 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10080 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: SV253 (EB-01-AF)

Lab ID#: 2303074A-31A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031529sim	Date of Collection:	2/28/23 1:59:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 06:44 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	2.2	3.2
Tetrachloroethene	0.10	0.17	0.45	0.75
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.41 C	0.68 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10076 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY306 (EB-01-P)

Lab ID#: 2303074A-32A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031530sim	Date of Collection:	2/28/23 1:55:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 07:12 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	5.7	8.2
Tetrachloroethene	0.10	0.17	0.82	1.4
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	97	70-130

Client Sample ID: QY304 (EB-01-AD)

Lab ID#: 2303074A-33A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031531sim	Date of Collection:	2/28/23 1:47:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 07:39 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	9.1	13
Tetrachloroethene	0.10	0.17	0.13	0.23
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 = 10060 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: QY303 (EB-01-N)

Lab ID#: 2303074A-34A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031532sim	Date of Collection:	2/28/23 1:45:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 08:06 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	10	15
Tetrachloroethene	0.10	0.17	0.15	0.26
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.25 C	0.41 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10056 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: QY302 (EB-01-AC)

Lab ID#: 2303074A-35A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031533sim	Date of Collection: 2/28/23 1:42:00 PM
Dil. Factor:	1.00	Date of Analysis: 3/15/23 08:33 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	12	17
Tetrachloroethene	0.10	0.17	0.30	0.50
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	97	70-130



Air Toxics

Client Sample ID: QY301 (EB-01-AB)

Lab ID#: 2303074A-36A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031534sim	Date of Collection:	2/28/23 1:40:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:01 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	32	46
Tetrachloroethene	0.10	0.17	0.34	0.58
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.23 C	0.39 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10048 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: QY300 (EB-01-AA)

Lab ID#: 2303074A-37A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031535sim	Date of Collection:	2/28/23 1:38:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 09:28 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	200	290
Tetrachloroethene	0.10	0.17	0.34	0.58
cis-1,2-Dichloroethene	0.10	0.16	0.18 C	0.29 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 = 10044 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: QY299 (EB-01-Z)

Lab ID#: 2303074A-38A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031536sim	Date of Collection: 2/28/23 1:31:00 PM
Dil. Factor:	1.00	Date of Analysis: 3/15/23 09:55 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	270	400
Tetrachloroethene	0.10	0.17	0.26	0.45
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 = 10034 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: QY298 (EB-01-Y)

Lab ID#: 2303074A-39A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031537sim	Date of Collection:	2/28/23 1:27:00 PM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 10:22 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	42	61
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 = 10028 minutes.

Container Type: Radiello 130 (Solvent)

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



Air Toxics

Client Sample ID: RD777 (EB-01-G)

Lab ID#: 2303074A-40A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031538sim	Date of Collection:	3/1/23 9:05:00 AM
Dil. Factor:	1.00	Date of Analysis:	3/15/23 10:49 PM
		Date of Extraction:	3/15/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.64	0.82
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 = 11204 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: Lab Blank

Lab ID#: 2303074A-41A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031518sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 01:41 PM
		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 = 12826 minutes.

Container Type: Radiello 130 (Solvent)

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

Client Sample ID: Lab Blank

Lab ID#: 2303074A-41B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031527sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 06:16 PM
		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 = 12826 minutes.

Container Type: Radiello 130 (Solvent)

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



Client Sample ID: CCV

Lab ID#: 2303074A-42A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031514sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 11:52 AM
		Date of Extraction:	NA

Compound	%Recovery
Trichloroethene	93
Tetrachloroethene	89
cis-1,2-Dichloroethene	99
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

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

Client Sample ID: CCV

Lab ID#: 2303074A-42B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031524sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 04:44 PM
		Date of Extraction:	NA

Compound	%Recovery
Trichloroethene	104
Tetrachloroethene	101
cis-1,2-Dichloroethene	107
trans-1,2-Dichloroethene	110

Container Type: NA - Not Applicable

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

Client Sample ID: LCS

Lab ID#: 2303074A-43A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031515sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/15/23 12:19 PM
		Date of Extraction: 3/15/23

Compound	%Recovery	Method Limits
Trichloroethene	87	70-130
Tetrachloroethene	82	70-130
cis-1,2-Dichloroethene	101	70-130
trans-1,2-Dichloroethene	98	70-130

Container Type: NA - Not Applicable

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

Client Sample ID: LCSD

Lab ID#: 2303074A-43AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18031516sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/15/23 12:46 PM
		Date of Extraction:	3/15/23

Compound	%Recovery	Method Limits
Trichloroethene	84	70-130
Tetrachloroethene	83	70-130
cis-1,2-Dichloroethene	92	70-130
trans-1,2-Dichloroethene	88	70-130

Container Type: NA - Not Applicable

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

Client Sample ID: LCS

Lab ID#: 2303074A-43B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031525sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/15/23 05:21 PM
		Date of Extraction: 3/15/23

Compound	%Recovery	Method Limits
Trichloroethene	101	70-130
Tetrachloroethene	101	70-130
cis-1,2-Dichloroethene	107	70-130
trans-1,2-Dichloroethene	106	70-130

Container Type: NA - Not Applicable

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

Client Sample ID: LCSD

Lab ID#: 2303074A-43BB

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	c031526sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/15/23 05:49 PM
		Date of Extraction: 3/15/23

Compound	%Recovery	Method Limits
Trichloroethene	103	70-130
Tetrachloroethene	102	70-130
cis-1,2-Dichloroethene	111	70-130
trans-1,2-Dichloroethene	109	70-130

Container Type: NA - Not Applicable

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

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

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
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

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

<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
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

<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.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

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

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

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



Air Toxics

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

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

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



Air Toxics

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



Air Toxics

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

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

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

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



Air Toxics

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

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

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

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



Air Toxics

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



Air Toxics

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



Air Toxics

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

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