September 10, 2021

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

Project # 40443

Subject: **Additional Subslab Vapor Sampling and Proposed Modification of Remedial Action Plan / Vapor Mitigation System for Community Within the Corridor – West Block**
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190

Dear Ms. Dorman:

On behalf of the Community Within the Corridor Limited Partnership (CWC), K. Singh & Associates, Inc. (KSingh) is pleased to submit the results of a second round of subslab vapor sampling along with proposed modification of the remedial action plan and vapor mitigation system of the referenced site. The WDNR approved the remedial action plan for vapors on July 9, 2021.

Additional Vapor Sampling

The vapor remedial action plan for the West Block included an additional round of vapor sampling in the basement areas (including building 8A) and in buildings 4, 5 and 6 in Summer 2021 to determine the adequacy of the vapor system. Vapor sampling included additional sampling of sub-slab vapor points WB-SS-2, WB-SS-8, WB-SS-9, WB-SS-10, WB-SS-11, WB-SS-12, WB-SS-13, WB-SS-14, WB-SS-15, WB-SS-16, WB-SS-17, WB-SS-18, WB-SS-19, WB-SS-20, WB-SS-21, WB-SS-22, WB-SS-23, WB-SS-24, and WB-SS-25 where no Vapor Risk Screening Levels (VRSLs) were exceeded during the first round of sampling.

The second round of sampling was performed on August 19, 2021 and August 20, 2021. Vapor sampling was overseen by Robert Reineke, PE of KSingh. The locations of the vapor sampling points are shown on Figure 1.

Additional vapor sampling was performed by installing Vapor Pins into 5/8-inch surface penetrations at the locations noted on the plans in accordance with manufacturer instruction. Following installation, system tightness was checked by performing a water dam test and a shut in test to greater than 200" Hg in accordance with WDNR Publication RR-986. Photographs of installation and testing are included in Attachment A.

Following successful completion of system tightness, the vapor lines were purged and sampling was performed in accordance with WDNR Publication RR-800. Each subslab vapor sample was collected utilizing

a 1.4 L Summa canister provided by Synergy Environmental Lab, Inc., Appleton, Wisconsin. Vapor samples were collected using flow controllers set to 100 mL/minute. Upon completion of sampling, the Summa canisters were submitted to Synergy Environmental Lab to be analyzed for TO-15 parameters. Photographs of vapor sampling are included in Attachment A. Laboratory results are included in Attachment B and summarized in Table 1.

The findings of the second round of vapor sampling are summarized below.

- Subslab vapor sampling of WB-SS-2 in the basement of building 8A showed no exceedances of any VRSL.

- Subslab vapor sampling of WB-SS-8 and WB-SS-9 in the basement of building 6 showed no exceedances of any VRSL.

- Subslab vapor sampling of WB-SS-12 and WB-SS-13 in the basement of building 4 showed no exceedances of any VRSL.

- Subslab vapor sampling of WB-SS-14 and WB-SS-24 on the ground floor of Building 4 showed no exceedances of any VRSL.

- Subslab vapors in WB-SS-10, WB-SS-11, WB-SS-22, WB-SS-23, and WB-SS-25 from the ground floor of Building 4 and Building 5 contained TCE at concentrations ranging from 128 ug/m^3 to 460 ug/m^3 which exceed the Residential exposure VRSL of 70 ug/m^3.

The results of subslab sampling for August 2021 are shown on Figures 1 and 2.

The lower basement areas of Buildings 8A, 6, and 4 have continued to show compliance with VRSLs. No action is needed for sub-slab vapors in these areas. A third round of sub-slab vapor sampling will be performed in Winter 2021/2022 after the HVAC system is operation on subslab vapor probes WB-SS-2, WB-SS-8, WB-SS-9, WB-SS-12, and WB-SS-13 to ascertain if the basement areas are still unaffected by vapor risks.

Residential VRSLs apply to Buildings 4 and 5 due to the day care facility in Building 4. The subslab vapor VRSL exceedances in vapor probes WB-SS-10, WB-SS-11, WB-SS-22, WB-SS-23, and WB-SS-25 in Buildings 4 and 5 were not observed in the first round of sampling and when the current vapor mitigation system plan was proposed. However, the approved vapor mitigation system plan included a contingency to add vapor extraction points if VRSL exceedances were observed in the second and third rounds of sampling. Therefore, a revision to the vapor mitigation system for CWC West Block to add additional vapor extraction points will be performed in order to induce subslab depressurization under Buildings 4 and 5.

Proposed Vapor Mitigation System Revision

Based on the second round of subslab vapor sampling, the vapor mitigation design has been modified to include an additional 29 sub-slab vapor extraction points in buildings 4 and 5. The locations of the vapor extraction points and their zones of influence are shown on Figures 3 and 4.

Nine RadonAway HS2000 mitigation fans, or equivalent, shall be installed, capable of -14 inH_20 at a flow rate of 24 CFM and four RadonAway HS3000 mitigation fans, or equivalent, shall be installed, capable of -21

inH_20 at a flow rate of 19 CFM. TCE is the sole contaminant of concern, concentrated in the southern section of Building 8A. Each fan will be paired with two to three extraction points effective in depressurizing sub-slab vapors under the on-grade portion of Buildings 4 and 5.

Vapor extraction point penetrations into the concrete slab shall be no less than 3.5 inches in diameter. At each vapor extraction point, a sump pit will be dug into the underlying soil; a minimum of 2.250 cubic feet of material shall be removed, then backfilled with gravel. Pipe rises and runs shall be 3-inch schedule-40 PVC pipe. Piping shall be pitched at a minimum of 1.5% toward extraction point to distribute any condensate vertically. All gaps or penetrations evident in the concrete surface, including the extraction point, shall be sealed to prevent any pressure loss. Ball valves will be installed on each individual pipe run to balance depressurization across the slab. Ports will be installed in each individual pipe run to measure static pressure and air flow rates. The mitigation fan may be installed on the roof or building exterior as reconstruction plans permit. Exhaust venting from the fan must be discharged 2 feet above the roof and/or 12 feet from any window. All valves and PVC fittings between the vapor extraction point and the venting point shall be sealed with solvent welds. Each fan will be equipped with electrical disconnects in the vicinity of each fan location. Independent electrical circuits will be assigned for each mitigation fan in electrical control panels.

Commissioning testing will be performed following installation of the vapor mitigation system and operation of the HVAC system. Modifications will be made to the system if it is shown that depressurization is not complete.

For the basement of Building 8A, the basement of Building 6, and the basement of Building 4, an additional round of sub-slab vapor sampling will be performed for VOCs. Sub-slab vapor points WB-SS-2, WB-SS-8, WB-SS-9, WB-SS-12, and WB-SS-13 are proposed for additional sampling. One round of sampling is proposed in Winter 2021/2022 after the heating system is active. If Residential VRSLs are exceeded in the additional subslab samples, additional vapor mitigation system extraction points and fans will be added.

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

Sincerely,
K. SINGH & ASSOCIATES, INC.

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

Robert T. Reineke, P.E.
Project Manager

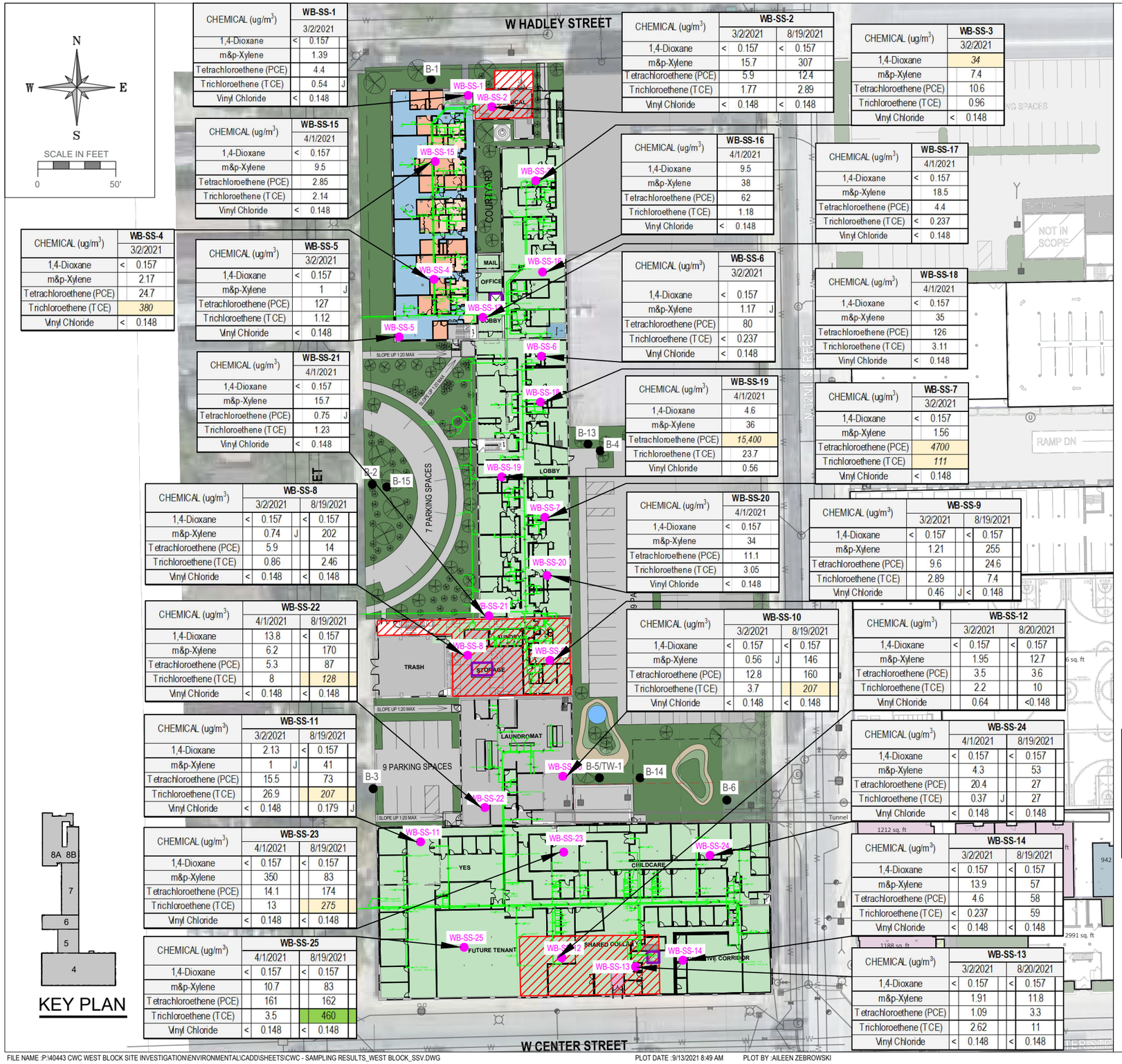
Pratap N. Singh, Ph.D., P.E.
Principal Engineer

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

Attachments:
Figure 1 Subslab Vapor Sampling Results

KSingh | Engineers Scientists Consultants

FIGURES



CHEMICAL (ug/m^3)	WB-SS-1 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.39
Tetrachloroethene (PCE)	4.4
Trichloroethene (TCE)	0.54 J
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-2 3/2/2021	WB-SS-2 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	15.7	307
Tetrachloroethene (PCE)	5.9	12.4
Trichloroethene (TCE)	1.77	2.89
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-3 3/2/2021
1,4-Dioxane	*34*
m&p-Xylene	7.4
Tetrachloroethene (PCE)	10.6
Trichloroethene (TCE)	0.96
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-4 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	2.17
Tetrachloroethene (PCE)	24.7
Trichloroethene (TCE)	*380*
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-5 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1 J
Tetrachloroethene (PCE)	127
Trichloroethene (TCE)	1.12
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-6 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.17 J
Tetrachloroethene (PCE)	80
Trichloroethene (TCE)	< 0.237
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-7 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.56
Tetrachloroethene (PCE)	*4700*
Trichloroethene (TCE)	*111*
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-8 3/2/2021	WB-SS-8 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	0.74 J	202
Tetrachloroethene (PCE)	5.9	14
Trichloroethene (TCE)	0.86	2.46
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-9 3/2/2021	WB-SS-9 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.21	255
Tetrachloroethene (PCE)	9.6	24.6
Trichloroethene (TCE)	2.89	7.4
Vinyl Chloride	0.46 J	< 0.148

CHEMICAL (ug/m^3)	WB-SS-10 3/2/2021	WB-SS-10 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	0.56 J	146
Tetrachloroethene (PCE)	12.8	160
Trichloroethene (TCE)	3.7	*207*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-11 3/2/2021	WB-SS-11 8/19/2021
1,4-Dioxane	2.13	< 0.157
m&p-Xylene	1 J	41
Tetrachloroethene (PCE)	15.5	73
Trichloroethene (TCE)	26.9	*207*
Vinyl Chloride	< 0.148	0.179 J

CHEMICAL (ug/m^3)	WB-SS-12 3/2/2021	WB-SS-12 8/20/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.95	12.7
Tetrachloroethene (PCE)	3.5	3.6
Trichloroethene (TCE)	2.2	10
Vinyl Chloride	0.64	<0.148

CHEMICAL (ug/m^3)	WB-SS-13 3/2/2021	WB-SS-13 8/20/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.91	11.8
Tetrachloroethene (PCE)	1.09	3.3
Trichloroethene (TCE)	2.62	11
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-14 3/2/2021	WB-SS-14 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	13.9	57
Tetrachloroethene (PCE)	4.6	58
Trichloroethene (TCE)	< 0.237	59
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-15 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	9.5
Tetrachloroethene (PCE)	2.85
Trichloroethene (TCE)	2.14
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-16 4/1/2021
1,4-Dioxane	9.5
m&p-Xylene	38
Tetrachloroethene (PCE)	62
Trichloroethene (TCE)	1.18
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-17 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	18.5
Tetrachloroethene (PCE)	4.4
Trichloroethene (TCE)	< 0.237
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-18 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	35
Tetrachloroethene (PCE)	126
Trichloroethene (TCE)	3.11
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-19 4/1/2021
1,4-Dioxane	4.6
m&p-Xylene	36
Tetrachloroethene (PCE)	*15,400*
Trichloroethene (TCE)	23.7
Vinyl Chloride	0.56

CHEMICAL (ug/m^3)	WB-SS-20 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	34
Tetrachloroethene (PCE)	11.1
Trichloroethene (TCE)	3.05
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-21 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	15.7
Tetrachloroethene (PCE)	0.75 J
Trichloroethene (TCE)	1.23
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-22 4/1/2021	WB-SS-22 8/19/2021
1,4-Dioxane	13.8	< 0.157
m&p-Xylene	6.2	170
Tetrachloroethene (PCE)	5.3	87
Trichloroethene (TCE)	8	*128*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-23 4/1/2021	WB-SS-23 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	350	83
Tetrachloroethene (PCE)	14.1	174
Trichloroethene (TCE)	13	*275*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-24 4/1/2021	WB-SS-24 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	4.3	53
Tetrachloroethene (PCE)	20.4	27
Trichloroethene (TCE)	0.37 J	27
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-25 4/1/2021	WB-SS-25 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	10.7	83
Tetrachloroethene (PCE)	161	162
Trichloroethene (TCE)	3.5	460
Vinyl Chloride	< 0.148	< 0.148

KEY PLAN

LEGEND

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Sampling Locations (25)

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		
	RESIDENTIAL	SMALL COMMERCIAL / INDUSTRIAL	LARGE COMMERCIAL / INDUSTRIAL
1,4-Dioxane	18.7	83.3	250
m&p-Xylene	3,300	15,000	44,000
Tetrachloroethene (PCE)	1,400	6,000	18,000
Trichloroethene (TCE)	70	290	880
Vinyl Chloride	57	930	2,800

NOTES:

1. ALL RESULTS ARE IN MICROGRAMS PER CUBIC METER (ug/m^3)
2. VRSL = VAPOR RISK SCREENING LEVELS
3. ONLY RESULTS EXCEEDING VRSLS ARE SHOWN
4. *ITALICS* INDICATES DETECTION IS ABOVE RESIDENTIAL VRSLS
5. **BOLD** INDICATES DETECTION IS ABOVE LARGE COMMERCIAL / INDUSTRIAL VRSLS
6. VRSLS BASED ON WI VAPOR QUICK LOOKUP - TABLE VAPOR RISK SCREENING LEVELS
7. SAMPLING LOCATIONS ARE APPROXIMATE
8. PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 50-MIL SUB-MEMBRANE.

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

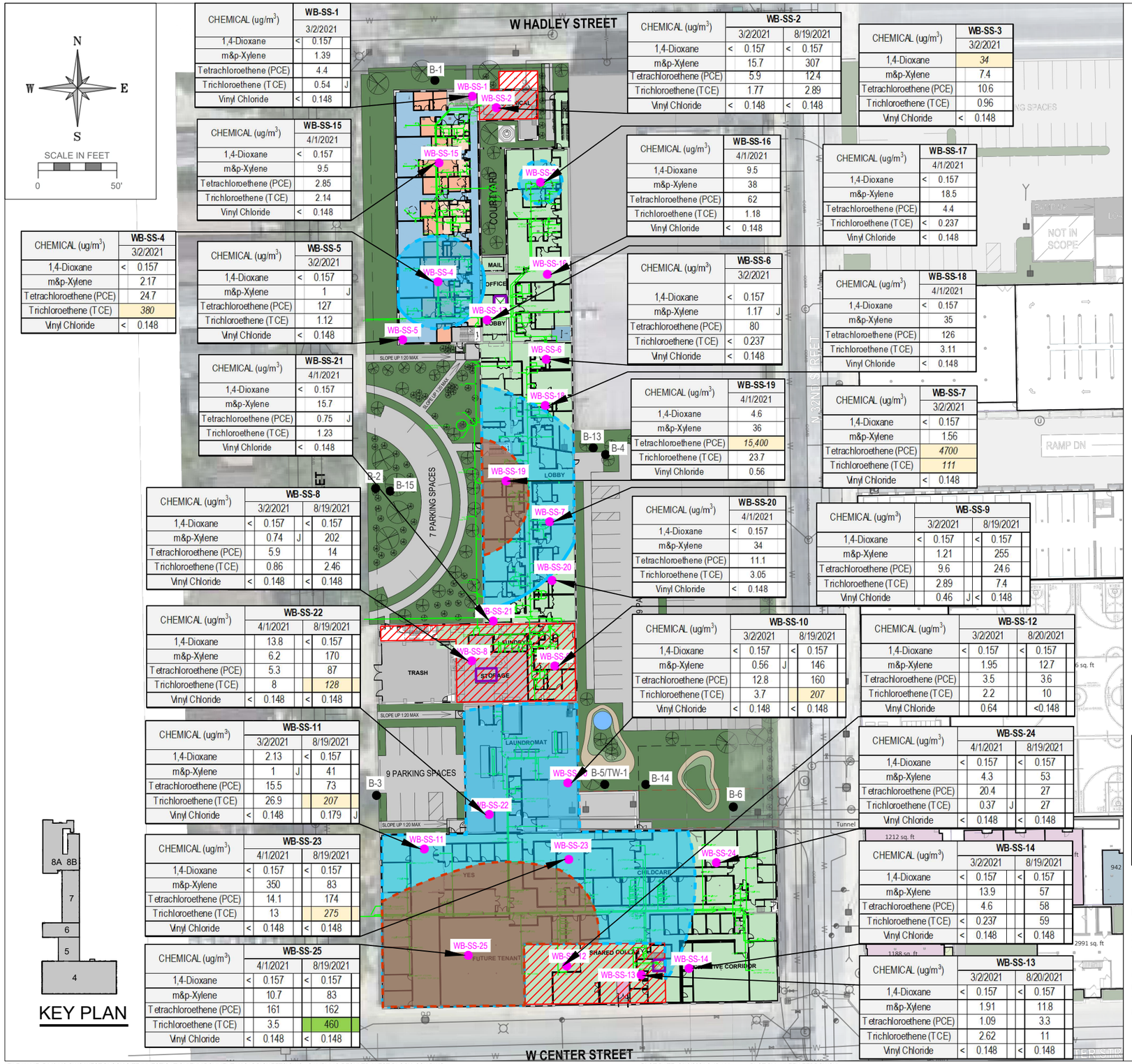
DRAWN BY	DATE
AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

SHEET TITLE
SUB-SLAB VAPOR SAMPLING RESULTS

FIGURE 1

SHEET 1 of SHEET 4

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK_SSV.DWG PLOT DATE :9/13/2021 8:49 AM PLOT BY :AILEEN ZEBROWSKI



CHEMICAL (ug/m^3)	WB-SS-1 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.39
Tetrachloroethene (PCE)	4.4
Trichloroethene (TCE)	0.54 J
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-2 3/2/2021	WB-SS-2 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	15.7	307
Tetrachloroethene (PCE)	5.9	124
Trichloroethene (TCE)	1.77	2.89
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-3 3/2/2021
1,4-Dioxane	*34*
m&p-Xylene	7.4
Tetrachloroethene (PCE)	10.6
Trichloroethene (TCE)	0.96
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-4 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	2.17
Tetrachloroethene (PCE)	24.7
Trichloroethene (TCE)	*380*
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-5 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1 J
Tetrachloroethene (PCE)	127
Trichloroethene (TCE)	1.12
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-6 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.17 J
Tetrachloroethene (PCE)	80
Trichloroethene (TCE)	< 0.237
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-7 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.56
Tetrachloroethene (PCE)	*4700*
Trichloroethene (TCE)	*111*
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-8 3/2/2021	WB-SS-8 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	0.74 J	202
Tetrachloroethene (PCE)	5.9	14
Trichloroethene (TCE)	0.86	2.46
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-9 3/2/2021	WB-SS-9 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.21	255
Tetrachloroethene (PCE)	9.6	24.6
Trichloroethene (TCE)	2.89	7.4
Vinyl Chloride	0.46 J	< 0.148

CHEMICAL (ug/m^3)	WB-SS-10 3/2/2021	WB-SS-10 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	0.56 J	146
Tetrachloroethene (PCE)	12.8	160
Trichloroethene (TCE)	3.7	*207*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-11 3/2/2021	WB-SS-11 8/19/2021
1,4-Dioxane	2.13	< 0.157
m&p-Xylene	1 J	41
Tetrachloroethene (PCE)	15.5	73
Trichloroethene (TCE)	26.9	*207*
Vinyl Chloride	< 0.148	0.179 J

CHEMICAL (ug/m^3)	WB-SS-12 3/2/2021	WB-SS-12 8/20/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.95	12.7
Tetrachloroethene (PCE)	3.5	3.6
Trichloroethene (TCE)	2.2	10
Vinyl Chloride	0.64	<0.148

CHEMICAL (ug/m^3)	WB-SS-13 3/2/2021	WB-SS-13 8/20/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.91	11.8
Tetrachloroethene (PCE)	1.09	3.3
Trichloroethene (TCE)	2.62	11
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-14 3/2/2021	WB-SS-14 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	13.9	57
Tetrachloroethene (PCE)	4.6	58
Trichloroethene (TCE)	< 0.237	59
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-15 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	9.5
Tetrachloroethene (PCE)	2.85
Trichloroethene (TCE)	2.14
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-16 4/1/2021
1,4-Dioxane	9.5
m&p-Xylene	38
Tetrachloroethene (PCE)	62
Trichloroethene (TCE)	1.18
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-17 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	18.5
Tetrachloroethene (PCE)	4.4
Trichloroethene (TCE)	< 0.237
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-18 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	35
Tetrachloroethene (PCE)	126
Trichloroethene (TCE)	3.11
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-19 4/1/2021
1,4-Dioxane	4.6
m&p-Xylene	36
Tetrachloroethene (PCE)	*15,400*
Trichloroethene (TCE)	23.7
Vinyl Chloride	0.56

CHEMICAL (ug/m^3)	WB-SS-20 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	34
Tetrachloroethene (PCE)	11.1
Trichloroethene (TCE)	3.05
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-21 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	15.7
Tetrachloroethene (PCE)	0.75 J
Trichloroethene (TCE)	1.23
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-22 4/1/2021	WB-SS-22 8/19/2021
1,4-Dioxane	13.8	< 0.157
m&p-Xylene	6.2	170
Tetrachloroethene (PCE)	5.3	87
Trichloroethene (TCE)	8	*128*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-23 4/1/2021	WB-SS-23 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	350	83
Tetrachloroethene (PCE)	14.1	174
Trichloroethene (TCE)	13	*275*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-24 4/1/2021	WB-SS-24 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	4.3	53
Tetrachloroethene (PCE)	20.4	27
Trichloroethene (TCE)	0.37 J	27
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-25 4/1/2021	WB-SS-25 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	10.7	83
Tetrachloroethene (PCE)	161	162
Trichloroethene (TCE)	3.5	460
Vinyl Chloride	< 0.148	< 0.148

KEY PLAN

LEGEND

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Sampling Locations (25)
- Approximate WI Residential VRSL Exceedance Extents
- Approximate WI Small Commercial VRSL Exceedance Extents

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		
	RESIDENTIAL	SMALL COMMERCIAL / INDUSTRIAL	LARGE COMMERCIAL / INDUSTRIAL
1,4-Dioxane	18.7	83.3	250
m&p-Xylene	3,300	15,000	44,000
Tetrachloroethene (PCE)	1,400	6,000	18,000
Trichloroethene (TCE)	70	290	880
Vinyl Chloride	57	930	2,800

NOTES:

1. ALL RESULTS ARE IN MICROGRAMS PER CUBIC METER (ug/m^3)
2. VRSL = VAPOR RISK SCREENING LEVELS
3. ONLY RESULTS EXCEEDING VRSLS ARE SHOWN
4. *ITALICS* INDICATES DETECTION IS ABOVE RESIDENTIAL VRSLS
5. **BOLD** INDICATES DETECTION IS ABOVE LARGE COMMERCIAL / INDUSTRIAL VRSLS
6. VRSLS BASED ON WI VAPOR QUICK LOOKUP - TABLE VAPOR RISK SCREENING LEVELS
7. SAMPLING LOCATIONS ARE APPROXIMATE
8. PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 50-MIL SUB-MEMBRANE.

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

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PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

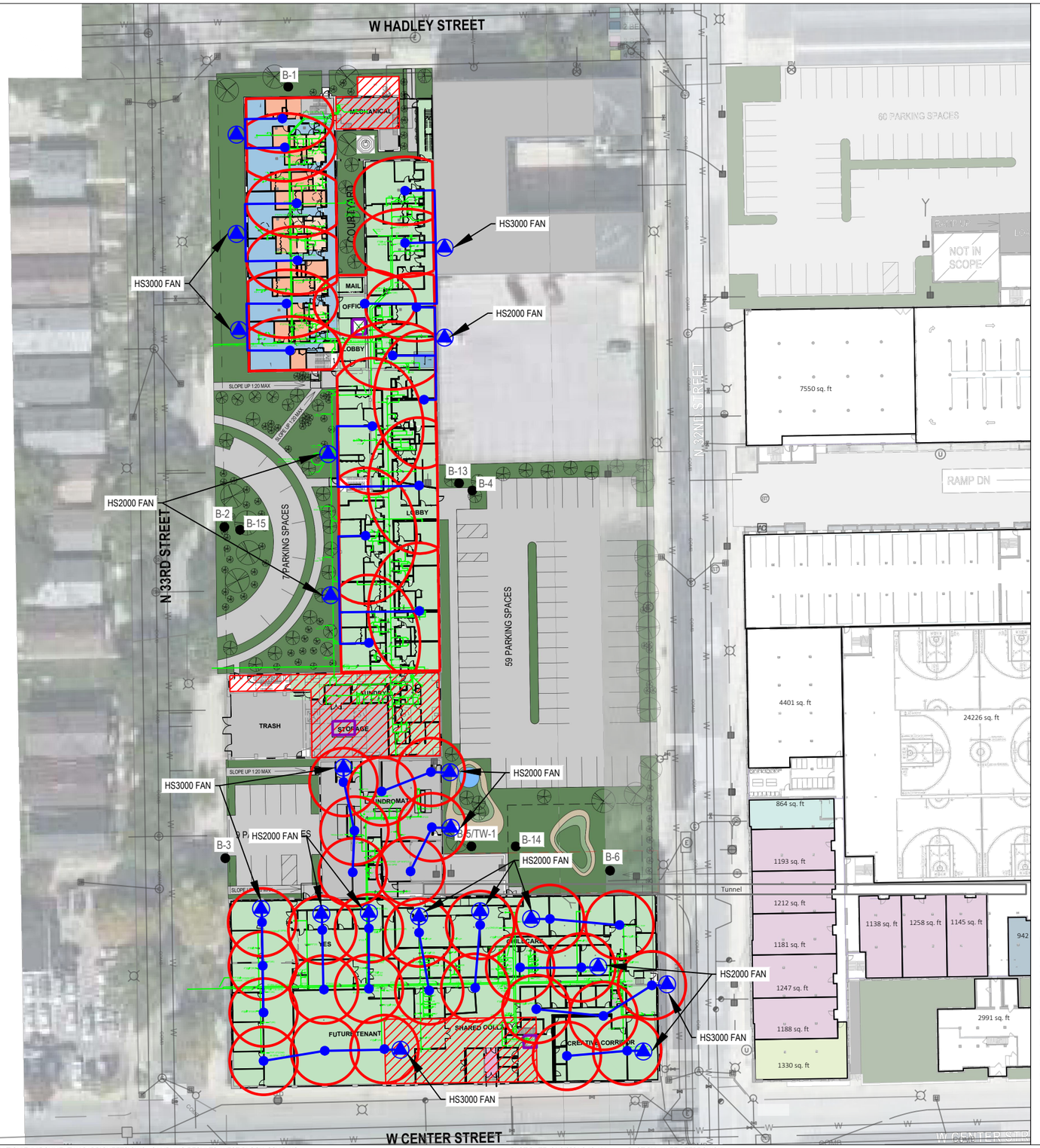
SHEET TITLE

VRSL EXCEEDANCE PLUMES FOR VOCs

FIGURE 2

SHEET 2 of SHEET 4

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK_SSV.DWG PLOT DATE :9/13/2021 8:49 AM PLOT BY :AILEEN ZEBROWSKI



N

W E

S

SCALE IN FEET

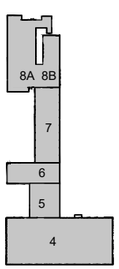
0 50'

LEGEND

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Extraction Point Location
- 3" sch. 40 PVC pipe (may be modified)
- Exterior Fan Location
- Zone of Influence

NOTES:

1. MINIMUM OF 3.5" SLAB PENETRATION
2. 10-15 "GALL" SOIL REMOVED BENEATH SLAB TO ACT AS SUCTION PIT
3. SEE TABLE FOR RADII FOOTAGE
4. 3" SCH. 40 PVC
5. BALL VALVES FOR EACH EXTRACTION POINT TO REGULATE FLOW
6. MANOMETER AND VELOCITY PORTS FOR EACH EXTRACTION POINT TO MEASURE FLOW AND NEGATIVE PRESSURE
7. MANOMETER POINT AT EACH FAN INLET FOR NEGATIVE PRESSURE
8. EXHAUST VENTING 2 FT ABOVE ROOF AND/OR 12 FT FROM WINDOWS
9. MIN 1.5% SLOPE TOWARD EXTRACTION POINTS
10. ELECRICAL DISCONNECT AND OWN CIRCUT FOR EACH FAN
11. 2^X EXHAUST PIPING FOR HS FANS, 3^Y FOR GP501C
12. SEAL ALL CRACKS IN FLOORS
13. PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 50-MIL SUB-MEMBRANE.



KEY PLAN

KSingh Engineers Scientists Consultants
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262-821-1171

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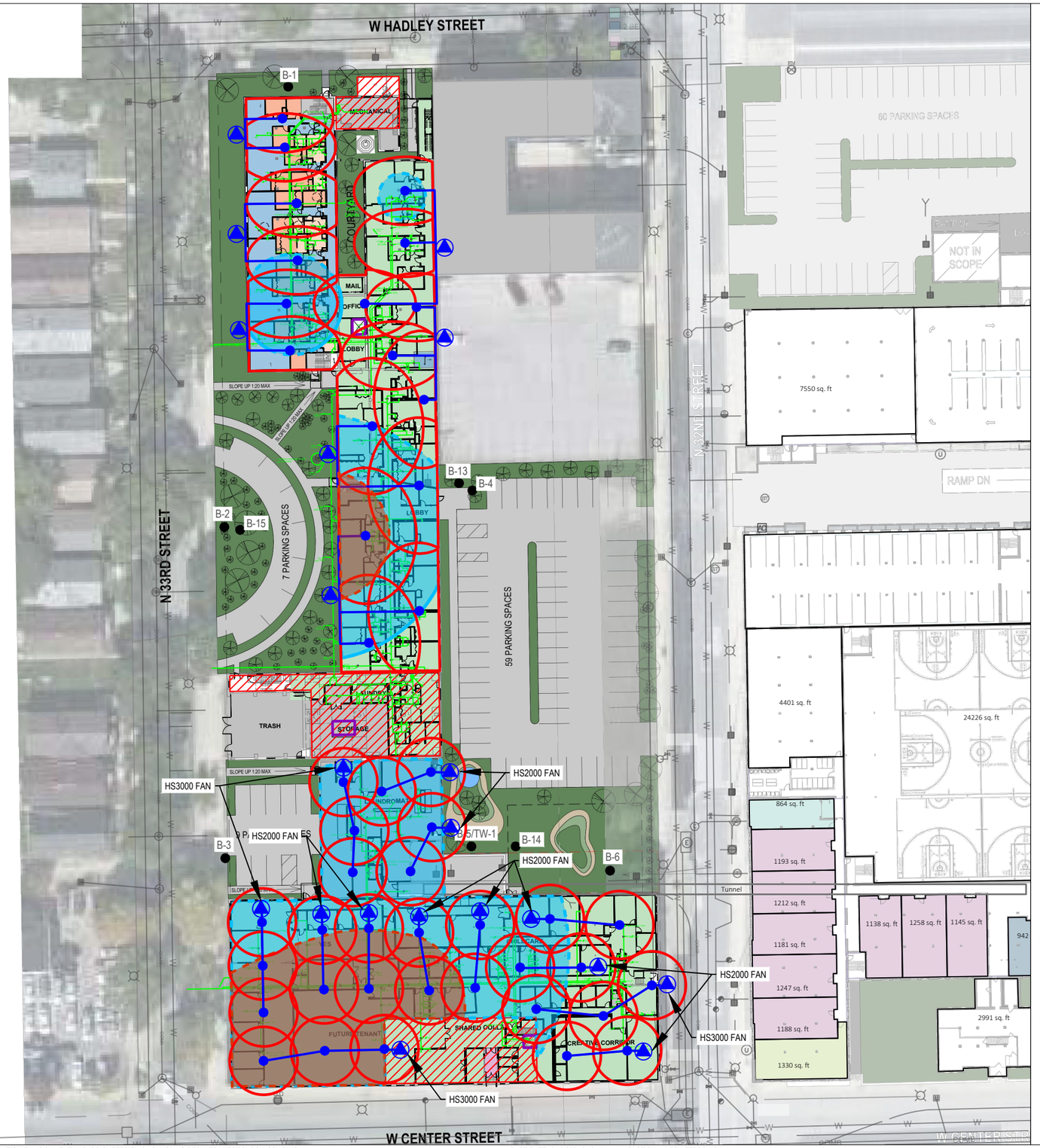
DRAWN BY	DATE
AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

SHEET TITLE

PROPOSED VAPOR MITIGATION DESIGN LAYOUT

FIGURE 3

SHEET 3 of SHEET 4



N

W E

S

SCALE IN FEET

0 50'

LEGEND

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Extraction Point Location
- 3" sch. 40 PVC pipe (may be modified)
- Exterior Fan Location
- Zone of Influence
- Approximate WI Residential VRSL Exceedance Extents
- Approximate WI Small Commercial VRSL Exceedance Extents

NOTES:

1. MINIMUM OF 3.5" SLAB PENETRATION
2. 10-15 "GALL" SOIL REMOVED BENEATH SLAB TO ACT AS SUCTION PIT
3. SEE TABLE FOR RADII FOOTAGE
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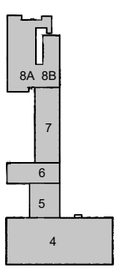

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SHEET TITLE

LAYOUT VS VRSL EXCEEDANCE PLUMES FOR VOCs

FIGURE 4

SHEET 4 of SHEET 4

TABLE

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-1	WB-SS-2	WB-SS-2	WB-SS-3	WB-SS-4	WB-SS-5	WB-SS-6	WB-SS-7	WB-SS-8	WB-SS-8	WB-SS-9
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL*	SMALL COMMERCIAL*	LARGE COMMERCIAL / INDUSTRIAL*	3/2/2021	3/2/2021	8/19/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	8/19/2021	3/2/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	< 0.249	0.33 J	0.38 J	118	6.5	3.6	1.25	297	3.9	10.3	1.41
1,1-Dichloroethane	590	2,600	7,700	< 0.187	< 0.187	< 0.187	0.56 J	< 0.187	< 0.187	< 0.187	0.4 J	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2,4-Trimethylbenzene	210	8,700	2,600	0.49 J	6.6	5.4	6.1	0.44 J	< 0.283	0.64 J	0.83 J	0.54 J	10.4	0.44 J
1,2-Dichlorobenzene	700	2,933	8,800	< 0.235	16.1	25.5	6.1	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	9.1	< 0.235
1,3,5-Trimethylbenzene	210	8,700	2,600	< 0.232	3.4	1.47	1.82	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	3.2	< 0.232
1,3-Butadiene	---	---	---	< 0.143	< 0.143	0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	< 0.302	0.42 J	0.48 J	0.96	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	8	37	110	< 0.302	1.62	2.94	0.9 J	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	1.98	< 0.302
1,4-Dioxane	18	83.3	250	< 0.157	< 0.157	< 0.157	*34*	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	---	0.74	< 0.222	< 0.222	8.5	< 0.222	< 0.222	0.33 J	1.43	< 0.222	< 0.222	< 0.222
4-Ethyltoluene	---	---	---	< 0.214	5.1	1.32	0.74	< 0.214	< 0.214	< 0.214	< 0.214	< 0.214	2.75	< 0.214
Acetone	106,667	466,667	1,400,000	14.1	4.9	19.9	305 10	57	9.3	14.8	48	15.1	55	39
Acrolein	---	---	---	0.44	< 0.094	---	0.94	< 0.094	0.6	< 0.094	< 0.094	< 0.094	---	0.62
Benzene	120	520	1,600	1.15	1.79	0.93	3.7	1.85	2.36	0.42 J	1.05	0.96	101	5.4
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Carbon Disulfide	2,433	10,333	31,000	6.2	0.59	2.12	14.6	9.4	0.28 J	2.68	2.24	1.93	18.5	15.6
Carbon Tetrachloride	160	680	2,000	0.69 J	0.5 J	0.44	< 0.307	3.4	0.5 J	0.88 J	10.3	< 0.307	0.5 J	< 0.307
Chlorobenzene	173	733	2,200	< 0.251	20.8	52	0.97	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	13.9	< 0.251
Chloroethane	33,333	146,667	440,000	< 0.159	2.77	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	41	180	530	< 0.3	0.34 J	0.63 J	< 0.3	0.78 J	< 0.3	< 0.3	0.97	< 0.3	< 0.3	< 0.3
Chloromethane	3,100	13,000	39,000	< 0.831	< 0.831	0.87 J	< 0.831	< 0.831	1.61 J	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	---	< 0.197	0.75	0.4 J	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
Cyclohexane	3,333	14,667	44,000	2.86	4.1	0.69	2.62	2.86	0.55 J	0.241 J	0.41 J	< 0.212	107	0.59 J
Dichlorodifluoromethane	3,500	15,000	44,000	3.8	2.87	< 0.376	2.62	2.87	2.62	2.57	2.52	2.77	2.37	2.82
Ethanol	---	---	---	37	19.1	25.1	170 10	283	32	179 10	102	12.6	21.3	45
Ethyl Acetate	---	---	---	16.7	< 0.176	2.49	< 0.176	1.62	< 0.176	< 0.176	< 0.176	< 0.176	4.2	1.48
Ethylbenzene	370	1,600	4,900	0.82	17.1	42	3.6	0.61 J	0.39 J	0.61 J	0.65	0.39 J	51	1.04
Heptane	---	---	---	19.4	4.7	3.6	6.5	1.8	1.1	0.9	1.92	1.27	137	27.4
Hexane	1,400	6,000	18,000	8.7	340	5.5	42	1.83	34	2.64	1.62	2.36	240	38
Isopropyl Alcohol	---	---	---	7.3	3.8	7.0	32	15.5	3.5	14.8	25.5	1.67	9.4	8.6
m&p-Xylene	790	3,400	10,000	1.39	15.7	307	7.4	2.17	1 J	1.17 J	1.56	0.74 J	202	1.21
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	6	2.18	5.7	96	14.1	3.4	2.15	12.9	43	228	13.5
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	0.98	< 0.168	2.99	6.4	0.57	< 0.168	0.86	1.88	0.98	8.1	1.15
o-Xylene	3,300	---	44,000	0.61 J	8	117	3.12	0.87	0.43 J	0.52 J	0.74	0.35 J	88	0.65 J
Propene	---	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	0.255 J	0.298 J	4.3	0.298 J	< 0.181	< 0.181	< 0.181	< 0.181	< 0.181	3.1	0.213 J
Tetrachloroethene (PCE)	1,400	5,800	18,000	4.4	5.9	12.4	10.6	24.7	127	80	*4700*	5.9	14	9.6
Tetrahydrofuran	7,000	29,333	88,000	0.85	< 0.131	< 0.131	0.91	1.24	< 0.131	< 0.131	1.15	12.2	63	2.59

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TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-1	WB-SS-2	WB-SS-2	WB-SS-3	WB-SS-4	WB-SS-5	WB-SS-6	WB-SS-7	WB-SS-8	WB-SS-8	WB-SS-9
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL*	SMALL COMMERCIAL*	LARGE COMMERCIAL / INDUSTRIAL*	3/2/2021	3/2/2021	8/19/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	8/19/2021	3/2/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Toluene	170,000	730,000	2,200,000	5.6	12.5	101	21.2	6.8	6.4	5.2	7	23.2	91	11.7
trans-1,2-Dichloroethene	1,400	5,800	18,000	< 0.231	1.15	0.87	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231
Trichloroethene (TCE)	70	290	880	0.54 J	1.77	2.89	0.96	*380*	1.12	< 0.237	*111*	0.86	2.46	2.89
Trichlorofluoromethane	---	---	---	1.8	1.69	1.35	1.29	3.3	1.29	2.13	7.8	1.97	5.6	1.74
Trichlorotrifluoroethane	---	---	---	0.69 J	0.61 J	0.54 J	3.9	2.07	0.54 J	0.61 J	3.8	0.54 J	0.92 J	0.54 J
Vinyl Chloride	56	930	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	0.46 J

*Based on September 2021 Wisconsin Vapor Quick Look-Up Table

Comments

All results in micrograms per cubic meter (ug/m^3)

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

"10" Code = Linear Range of Calibration Curve Exceeded

VRSL = Vapor Risk Screening Levels

Italics indicates detection is above Residential VRSLs

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-9	WB-SS-10	WB-SS-10	WB-SS-11	WB-SS-11	WB-SS-12	WB-SS-12	WB-SS-13	WB-SS-13	WB-SS-14	WB-SS-14
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL*	SMALL COMMERCIAL*	LARGE COMMERCIAL / INDUSTRIAL*	8/19/2021	3/2/2021	8/19/2021	3/2/2021	8/19/2021	3/2/2021	8/20/2021	3/2/2021	8/20/2021	3/2/2021	8/19/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	3.6	0.92	85	3300	109,000	34	117	7.9	53	1.69	44
1,1-Dichloroethane	590	2,600	7,700	< 0.187	< 0.187	< 0.187	5.6	139	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21	81	3,400	0.277 J	< 0.21	< 0.21	0.32 J	< 0.21	< 0.21
1,2,4-Trimethylbenzene	210	8,700	2,600	5.4	0.49 J	10.5	19.2	9.8	0.98	2.4	5.5	2.94	8.7	8.5
1,2-Dichlorobenzene	700	2,933	8,800	18.4	< 0.235	10.1	< 0.235	5.3	< 0.235	0.53 J	< 0.235	0.77	< 0.235	6.5
1,3,5-Trimethylbenzene	210	8,700	2,600	1.52	< 0.232	3.14	11.7	3.14	0.39 J	0.69 J	1.67	0.83	3.3	2.6
1,3-Butadiene	---	---	---	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	0.42 J	< 0.302	0.42 J	< 0.302	0.54 J	< 0.302	< 0.302	0.36 J	< 0.302	< 0.302	0.54 J
1,4-Dichlorobenzene	8	37	110	2.94	< 0.302	2.46	< 0.302	1.44	< 0.302	0.9 J	< 0.302	1.26	< 0.302	1.8
1,4-Dioxane	18	83.3	250	< 0.157	< 0.157	< 0.157	2.13	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	---	< 0.222	< 0.222	< 0.222	1.6	< 0.222	2.41	1.96	< 0.222	< 0.222	< 0.222	5.3
4-Ethyltoluene	---	---	---	1.23	< 0.214	2.35	2.55	1.67	< 0.214	0.49 J	0.49 J	0.54 J	0.74	1.47
Acetone	106,667	466,667	1,400,000	15.6	15.6	78	41	98	71	118	20.5	550	9.5	94
Acrolein	---	---	---	---	< 0.094	--	< 0.094	---	0.76	---	0.41	---	< 0.094	---
Benzene	120	520	1,600	3.7	0.32 J	6.5	0.48	4.7	1.69	2.62	1.18	3.4	0.86	3.5
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	0.54 J	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Carbon Disulfide	2,433	10,333	31,000	5.3	1.12	21.7	19.8	44	3.4	0.90	0.218 J	1.21	2.18	163
Carbon Tetrachloride	160	680	2,000	0.38 J	< 0.307	0.63 J	< 0.307	0.38 J	0.76 J	4.2	< 0.307	0.50 J	< 0.307	< 0.307
Chlorobenzene	173	733	2,200	25.5	< 0.251	7.4	< 0.251	1.39	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	2.36
Chloroethane	33,333	146,667	440,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.84	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	41	180	530	1.31	< 0.3	0.49 J	9	14.8	0.44 J	< 0.3	< 0.3	1.12	< 0.3	< 0.3
Chloromethane	3,100	13,000	39,000	0.91 J	< 0.831	< 0.831	< 0.831	< 0.831	4.7	0.89 J	< 0.831	< 0.831	< 0.831	2.62 J
cis-1,2-Dichloroethene	---	---	---	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
Cyclohexane	3,333	14,667	44,000	2.96	< 0.212	8.8	0.38 J	13.9	1.17	3.8	1.45	1.03	3.3	3.9
Dichlorodifluoromethane	3,500	15,000	44,000	2.22	2.72	2.37	2.57	2.67	2.37	2.77	1.04	2.22	1.53	2.37
Ethanol	---	---	---	0.32 J	27.7	16.4	67	46	83 10	6.2	43	19.5	29.7	10
Ethyl Acetate	---	---	---	1.58	< 0.176	1.84	< 0.176	< 0.176	< 0.176	0.94	4.6	0.83	< 0.176	0.79
Ethylbenzene	370	1,600	4,900	35	< 0.203	27.1	0.39 J	7.8	1.17	2.64	0.87	2.08	3.9	10.4
Heptane	---	---	---	9.9	< 0.265	28	0.65 J	43	4.5	12.3	5.7	2.04	11.8	9.1
Hexane	1,400	6,000	18,000	17.9	0.74 J	24.5	1.2	46	3.9	20.7	6.3	6.2	5.4	10.9
Isopropyl Alcohol	---	---	---	1.38	5.7	11	15	29.1	12.6	1.89	8.7	< 0.109	3.6	18.1
m&p-Xylene	790	3,400	10,000	255	0.56 J	146	1 J	41	1.95	12.7	1.91	11.8	13.9	57
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	102	6.1	73	8.6	24.2	17.4	19.3	6.7	7.6	6.2	50
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	14	0.78	3.8	1.96	2.54	3.07	1.47	0.53 J	0.78	1.06	4.6
o-Xylene	3,300	---	44,000	102	0.303 J	72	1	22.5	0.87	5.0	1.3	4.5	7.7	31.2
Propene	---	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	60
Styrene	3,333	14,667	44,000	3.5	< 0.181	3.6	< 0.181	0.98	< 0.181	0.47 J	< 0.181	0.64	0.213 J	1.53
Tetrachloroethene (PCE)	1,400	5,800	18,000	24.6	12.8	160	15.5	73	3.5	3.6	1.09	3.3	4.6	58
Tetrahydrofuran	7,000	29,333	88,000	15.5	9.8	8.3	< 0.131	4.9	12.1	0.53	2.86	0.94	5.1	5.7

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-9	WB-SS-10	WB-SS-10	WB-SS-11	WB-SS-11	WB-SS-12	WB-SS-12	WB-SS-13	WB-SS-13	WB-SS-14	WB-SS-14
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL*	SMALL COMMERCIAL*	LARGE COMMERCIAL / INDUSTRIAL*	8/19/2021	3/2/2021	8/19/2021	3/2/2021	8/19/2021	3/2/2021	8/20/2021	3/2/2021	8/20/2021	3/2/2021	8/19/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Toluene	170,000	730,000	2,200,000	72	5.4	48	6.1	13.1	12.9	13	9.1	17.5	12	24.5
trans-1,2-Dichloroethene	1,400	5,800	18,000	< 0.231	< 0.231	< 0.231	< 0.231	0.238 J	< 0.231	0.238 J	< 0.231	< 0.231	< 0.231	< 0.231
Trichloroethene (TCE)	70	290	880	7.4	3.7	*207*	26.9	*207*	2.2	10	2.62	11	< 0.237	59
Trichlorofluoromethane	---	---	---	17.3	7	3.15	2.47	21.8	27.8	63	11.2	41	18.2	57
Trichlorotrifluoroethane	---	---	---	0.69 J	0.54 J	0.69 J	0.46 J	0.92 J	< 0.402	1.07 J	< 0.402	1.0 J	< 0.402	0.92 J
Vinyl Chloride	56	930	2,800	< 0.148	< 0.148	< 0.148	< 0.148	0.179 J	0.64	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148

*Based on September 2021 Wisconsin Vapor Quick Look-Up Table

Comments

All results in micrograms per cubic meter (ug/m^3)

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

"10" Code = Linear Range of Calibration Curve Exceeded

VRSL = Vapor Risk Screening Levels

Italics indicates detection is above Residential VRSLs

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-15	WB-SS-16	WB-SS-17	WB-SS-18	WB-SS-19	WB-SS-20	WB-SS-21	WB-SS-22	WB-SS-22	WB-SS-23	WB-SS-23
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL*	SMALL COMMERCIAL*	LARGE COMMERCIAL / INDUSTRIAL*	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	8/19/2021	4/1/2021	8/19/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	0.76 J	78	1.58	17	460	154	36	650	1,340	22.4	52
1,1-Dichloroethane	590	2,600	7,700	< 0.187	0.36 J	< 0.187	< 0.187	2.12	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2,4-Trimethylbenzene	210	8,700	2,600	2.16	8.5	3.6	7.7	5.2	9.2	3.8	3.7	9.1	5.2	13
1,2-Dichlorobenzene	700	2,933	8,800	0.71 J	29	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	9.0	< 0.235	3.9
1,3,5-Trimethylbenzene	210	8,700	2,600	0.78	3.7	1.03	2.45	2.16	3.2	1.47	1.37	2.8	2.16	4.0
1,3-Butadiene	---	---	---	< 0.143	< 0.143	3.6	5.4	12.5	4.4	7.5	< 0.143	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	< 0.302	0.72 J	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	0.36 J	< 0.302	< 0.302
1,4-Dichlorobenzene	8	37	110	< 0.302	2.28	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	1.98	< 0.302	1.38
1,4-Dioxane	18	83.3	250	< 0.157	9.5	< 0.157	< 0.157	4.6	< 0.157	< 0.157	13.8	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	---	1.02	< 0.222	6.5	19.9	< 0.222	< 0.222	15.8	3.8	< 0.222	3.3	< 0.222
4-Ethyltoluene	---	---	---	0.69	2.7	1.32	2.35	1.82	2.6	1.23	1.03	2.11	1.42	3.9
Acetone	106,667	466,667	1,400,000	26.4	288 10	31.4	330	< 0.299	60	211 10	< 0.299	630	20.2	42
Acrolein	---	---	---	0.83	2.86	2.25	1.38	0.83	1.51	0.73	< 0.094	---	0.46	---
Benzene	120	520	1,600	6.0	24.7	14.1	30.7	34	27	13.9	4.1	10.4	9.0	3.9
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Carbon Disulfide	2,433	10,333	31,000	207	10.7	3.9	9.8	18.4	12.8	8.4	26	14.6	55	41
Carbon Tetrachloride	160	680	2,000	0.94 J	< 0.307	< 0.307	0.88 J	7.8	0.94 J	< 0.307	< 0.307	0.44 J	< 0.307	0.57 J
Chlorobenzene	173	733	2,200	0.46 J	16.5	< 0.251	0.32 J	1.15	0.32 J	< 0.251	< 0.251	9.4	< 0.251	3.2
Chloroethane	33,333	146,667	440,000	< 0.159	< 0.159	< 0.159	< 0.159	0.37 J	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.71
Chloroform	41	180	530	< 0.3	< 0.3	< 0.3	< 0.3	0.34 J	< 0.3	0.54 J	< 0.3	1.26	< 0.3	0.68 J
Chloromethane	3,100	13,000	39,000	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	1.03 J	< 0.831	< 0.831	2.15 J
cis-1,2-Dichloroethene	---	---	---	< 0.197	0.32 J	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
Cyclohexane	3,333	14,667	44,000	25.2	34	9.4	17.1	25	27.1	14.7	9.9	12.8	31	6.2
Dichlorodifluoromethane	3,500	15,000	44,000	1.88	1.83	1.93	1.78	1.83	1.88	1.93	2.03	2.22	1.93	12.5
Ethanol	---	---	---	8.5	15.3	5.8	23.2	38	6.4	20.8	21.7	152	1.09	23
Ethyl Acetate	---	---	---	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	1.55	< 0.176	30.9
Ethylbenzene	370	1,600	4,900	8.3	25.2	24.1	37	23.9	29	10	4.6	31.6	128	18.6
Heptane	---	---	---	27.3	115	39	64	71	75	43	19.6	35	87	22.9
Hexane	1,400	6,000	18,000	34	140	38	62	78	80	52	37	32	99	35
Isopropyl Alcohol	---	---	---	4.1	22.6	10.2	49	97	8.5	30.3	43	91	1.6	30.8
m&p-Xylene	790	3,400	10,000	9.5	38	18.5	35	36	34	15.7	6.2	170	350	83
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	12.5	77	20.9	129	291	31	103	8100	550	23.7	24
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	1.64	4.7	5.2	34	26.9	3.07	11.3	4.6	7.2	25.5	2.58
o-Xylene	3,300	---	44,000	4	17.2	8.1	14.8	15.9	14.6	6.1	2.82	80	35	40
Propene	---	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	770	< 0.079	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	0.38 J	0.34 J	0.255 J	0.85	2.93	0.89	0.6	0.298 J	3.9	0.34 J	2.17
Tetrachloroethene (PCE)	1,400	5,800	18,000	2.85	62	4.4	126	*15,400*	11.1	0.75 J	5.3	87	14.1	174
Tetrahydrofuran	7,000	29,333	88,000	2.18	3.8	2.53	4.7	3.9	4.6	3.6	14.3	11.6	5.7	5.5

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-15	WB-SS-16	WB-SS-17	WB-SS-18	WB-SS-19	WB-SS-20	WB-SS-21	WB-SS-22	WB-SS-22	WB-SS-23	WB-SS-23
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL*	SMALL COMMERCIAL*	LARGE COMMERCIAL / INDUSTRIAL*	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	8/19/2021	4/1/2021	8/19/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Toluene	170,000	730,000	2,200,000	31.5	93	72	111	201	87	41	14.4	71	73	45
trans-1,2-Dichloroethene	1,400	5,800	18,000	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	0.44 J
Trichloroethene (TCE)	70	290	880	2.14	1.18	< 0.237	3.11	23.7	3.05	1.23	8	*128*	13	*275*
Trichlorofluoromethane	---	---	---	1.24	1.52	1.57	2.25	3.4	2.7	1.91	4.7	5.0	21.4	25.2
Trichlorotrifluoroethane	---	---	---	0.61 J	5.1	0.84 J	0.77 J	2.15	5.1	0.69 J	0.61 J	0.77	0.61 J	0.77 J
Vinyl Chloride	56	930	2,800	< 0.148	< 0.148	< 0.148	< 0.148	0.56	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148

*Based on September 2021 Wisconsin Vapor Quick Look-Up Table

Comments

All results in micrograms per cubic meter (ug/m^3)

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

"10" Code = Linear Range of Calibration Curve Exceeded

VRSL = Vapor Risk Screening Levels

Italics indicates detection is above Residential VRSLs

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-24	WB-SS-24	WB-SS-25	WB-SS-25
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL*	SMALL COMMERCIAL*	LARGE COMMERCIAL / INDUSTRIAL*	4/1/2021	8/19/2021	4/12/2021	8/19/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	2.88	26	1110	690
1,1-Dichloroethane	590	2,600	7,700	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	0.238 J	< 0.21
1,2,4-Trimethylbenzene	210	8,700	2,600	3.2	16.6	3.8	7.6
1,2-Dichlorobenzene	700	2,933	8,800	< 0.235	5.8	< 0.235	8.1
1,3,5-Trimethylbenzene	210	8,700	2,600	1.32	5.7	1.23	2.06
1,3-Butadiene	---	---	---	< 0.143	< 0.143	2.48	< 0.143
1,3-Dichlorobenzene	---	---	---	< 0.302	0.48 j	< 0.302	0.48 J
1,4-Dichlorobenzene	8	37	110	< 0.302	1.5	< 0.302	1.98
1,4-Dioxane	18	83.3	250	< 0.157	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	---	3.07	4.7	55	< 0.222
4-Ethyltoluene	---	---	---	0.74	2.7	0.93	1.62
Acetone	106,667	466,667	1,400,000	81	47	900	64
Acrolein	---	---	---	0.44	---	0.71	---
Benzene	120	520	1,600	2.68	2.65	5.2	3.3
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	< 0.374
Carbon Disulfide	2,433	10,333	31,000	272	25.2	39	15.3
Carbon Tetrachloride	160	680	2,000	< 0.307	< 0.307	< 0.307	0.63 J
Chlorobenzene	173	733	2,200	< 0.251	1.62	< 0.251	3.6
Chloroethane	33,333	146,667	440,000	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	41	180	530	< 0.3	5.2	< 0.3	0.73 J
Chloromethane	3,100	13,000	39,000	< 0.831	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	---	< 0.197	< 0.197	< 0.197	< 0.197
Cyclohexane	3,333	14,667	44,000	4.8	2.27	19.7	6.6
Dichlorodifluoromethane	3,500	15,000	44,000	1.93	2.37	1.93	2.27
Ethanol	---	---	---	4.1	8.7	53	21.5
Ethyl Acetate	---	---	---	1.62	0.61	< 0.176	0.86
Ethylbenzene	370	1,600	4,900	2.77	9.6	5.5	15.4
Heptane	---	---	---	8.9	6.7	30.3	12
Hexane	1,400	6,000	18,000	15.2	8.9	42	14.3
Isopropyl Alcohol	---	---	---	< 0.109	7.1	79	14.2
m&p-Xylene	790	3,400	10,000	4.3	53	10.7	83
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	38	35	252	21.7
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	2.91	4.2	63	2.29
o-Xylene	3,300	---	44,000	2.3	27.8	3.8	44
Propene	---	---	---	57	< 0.079	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	0.51 J	1.15	0.34 J	1.96
Tetrachloroethene (PCE)	1,400	5,800	18,000	20.4	27	161	162
Tetrahydrofuran	7,000	29,333	88,000	6	4.3	8	6.4

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-24	WB-SS-24	WB-SS-25	WB-SS-25
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL*	SMALL COMMERCIAL*	LARGE COMMERCIAL / INDUSTRIAL*	4/1/2021	8/19/2021	4/12/2021	8/19/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3
Toluene	170,000	730,000	2,200,000	6	19.1	14.4	24.9
trans-1,2-Dichloroethene	1,400	5,800	18,000	< 0.231	< 0.231	< 0.231	< 0.231
Trichloroethene (TCE)	70	290	880	0.37 J	27	3.5	460
Trichlorofluoromethane	---	---	---	14.8	82	18.3	46
Trichlorotrifluoroethane	---	---	---	0.61 J	0.92 J	0.54 J	0.84 J
Vinyl Chloride	56	930	2,800	< 0.148	< 0.148	< 0.148	< 0.148

*Based on September 2021 Wisconsin Vapor Quick Look-Up Table

Comments

All results in micrograms per cubic meter (ug/m^3)

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

"10" Code = Linear Range of Calibration Curve Exceeded

VRSL = Vapor Risk Screening Levels

Italics indicates detection is above Residential VRSLs

ATTACHMENTS

ATTACHMENT A

Photographs of Vapor Sampling


mmHg
Vac
30 25 20 15 10 5
-100
-50
ZERO
5
10
15
20
25
30
PSI
KPa
200
150
100
50

ATTACHMENT B

Subslab Vapor Sampling Test Results

Synergy Environmental Lab, INC

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

ROBERT RIENEKE
K SINGH & ASSOCIATES
3636 N. 124TH STREET
MILWAUKEE. WI 53222

Report Date *31-Aug-21*

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856A
Sample ID WB-SS-2
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	19.9	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	0.93	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	2.12	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.44 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	52	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	0.63 "J"	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	0.87 "J"	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	0.69	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	2.94	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	0.48 "J"	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	25.5	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.13	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	0.49 "J"	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	0.40 "J"	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	0.87	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856A
Sample ID WB-SS-2
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	25.1	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	2.49	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	42	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	1.32	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	3.6	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	5.5	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	7.0	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	5.7	ug/m3	0.178	0.567	1	TO-15		8/24/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.99	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	3.6	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	1.19	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1
Naphthalene	1.31 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	4.3	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	12.4	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	101	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	0.38 "J"	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	2.89	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	1.35	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	5.4	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	1.47	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	307	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	117	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856B
Sample ID WB-SS-9
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	15.6	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	3.7	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	5.3	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.38 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	25.5	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	1.31	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	0.91 "J"	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	2.96	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	2.94	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	0.42 "J"	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	18.4	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.22	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	0.32 "J"	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	1.58	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	35	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	1.23	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	9.9	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	17.9	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	1.38	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	14	ug/m3	0.178	0.567	1	TO-15		8/24/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.6	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	2.5	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	1.12	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856B
Sample ID WB-SS-9
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	0.99 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	3.5	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	24.6	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	15.5	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	72	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	3.6	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	7.4	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	17.3	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	5.4	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	1.52	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	255	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	102	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856C
Sample ID WB-SS-8
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	55	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	101	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	18.5	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.50 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	13.9	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	107	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	1.98	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	9.1	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	21.3	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	4.2	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	51	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	2.75	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	137	ug/m3	2.65	8.45	10	TO-15		8/26/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	240	ug/m3	2.35	7.48	10	TO-15		8/26/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	9.4	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	228	ug/m3	1.78	5.67	10	TO-15		8/26/2021	CJR	1
Methyl isobutyl ketone (MIBK)	8.1	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	2.05	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856C
Sample ID WB-SS-8
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.62 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	3.1	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	14	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	63	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	91	ug/m3	1.84	5.85	10	TO-15		8/26/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	10.3	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	2.46	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	5.6	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	10.4	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	3.2	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	202	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	88	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856D
Sample ID WB-SS-22
Sample Matrix Air
Sample Date 8/19/2021

Organic

Air Samples

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Acetone	630	ug/m3	2.99	9.5	10	TO-15		8/26/2021	CJR	1
Benzene	10.4	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	14.6	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.44 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	9.4	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	1.26	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	12.8	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	1.98	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	0.36 "J"	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	9.0	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.22	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	152	ug/m3	1.52	4.82	10	TO-15		8/26/2021	CJR	1
Ethyl Acetate	1.55	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	31.6	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	2.11	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	35	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	32	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	91	ug/m3	1.09	3.47	10	TO-15		8/26/2021	CJR	1
Methyl ethyl ketone (MEK)	550	ug/m3	1.78	5.67	10	TO-15		8/26/2021	CJR	1
Methyl isobutyl ketone (MIBK)	7.2	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	1.64	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	6.4	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856D
Sample ID WB-SS-22
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.83 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	3.9	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	87	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	11.6	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	71	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	1340	ug/m3	2.49	7.93	10	TO-15		8/26/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	128	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	5.0	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	9.1	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	2.8	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	170	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	80	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856E
Sample ID WB-SS-10
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	78	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	6.5	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	21.7	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	7.4	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	0.49 "J"	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	8.8	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	2.46	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	0.42 "J"	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	10.1	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	16.4	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	1.84	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	27.1	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	2.35	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	28	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	24.5	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	11	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	73	ug/m3	0.178	0.567	1	TO-15		8/24/2021	CJR	1
Methyl isobutyl ketone (MIBK)	3.8	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	1.23	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.72	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856E
Sample ID WB-SS-10
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	2.04 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	3.6	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	160	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	8.3	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	48	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	85	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	207	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	3.15	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	10.5	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	3.14	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	146	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	72	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856F
Sample ID WB-SS-23
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	42	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	3.9	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	41	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.57 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	3.2	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	0.71	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	0.68 "J"	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	2.15 "J"	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	6.2	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	1.38	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	3.9	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	12.5	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	0.44 "J"	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	23	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	30.9	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	18.6	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	3.9	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	22.9	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	35	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	30.8	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	24	ug/m3	0.178	0.567	1	TO-15		8/24/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.58	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	0.82	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	53	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.47 "J"	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856F
Sample ID WB-SS-23
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.52 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	2.17	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	174	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	5.5	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	45	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	52	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	275	ug/m3	2.37	7.54	10	TO-15		8/26/2021	CJR	1
Trichlorofluoromethane	25.2	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	13	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	4.0	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	83	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	40	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856G
Sample ID WB-SS-25
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	64	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	1
Benzene	3.3	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	15.3	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	3.6	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	0.73 "J"	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	6.6	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.98	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	0.48 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	8.1	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.27	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	21.5	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.86	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	15.4	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	1.62	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	12	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	14.3	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	14.2	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	21.7	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.29	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	0.78	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.54	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856G
Sample ID WB-SS-25
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	2.09 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	1.96	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	162	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	6.4	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	24.9	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	690	ug/m3	2.49	7.93	10	TO-15		8/26/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	460	ug/m3	2.37	7.54	10	TO-15		8/26/2021	CJR	1
Trichlorofluoromethane	46	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	0.84 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	7.6	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	2.06	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	83	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	44	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856H
Sample ID WB-SS-14
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	94	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	1
Benzene	3.5	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	163	ug/m3	1.38	4.4	10	TO-15		8/26/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	2.36	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	2.62 "J"	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	3.9	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.8	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	0.54 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	6.5	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	10	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.79	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	10.4	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	1.47	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	9.1	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	10.9	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	5.3	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	18.1	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	50	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.6	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	0.90	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.40 "J"	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856H
Sample ID WB-SS-14
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.94 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	60	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	1.53	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	58	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	5.7	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	24.5	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	44	ug/m3	0.249	0.793	1	TO-15		8/25/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	59	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	57	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	8.5	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	2.6	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	57	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	31.2	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856I
Sample ID WB-SS-24
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	47	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	1
Benzene	2.65	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	25.2	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	1.62	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	5.2	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	2.27	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.5	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	0.48 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	5.8	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	8.7	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.61	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	9.6	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	2.7	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	6.7	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	8.9	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	4.7	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	7.1	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	35	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.2	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	0.61 "J"	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.36 "J"	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856I
Sample ID WB-SS-24
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	2.04 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	1.15	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	41	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	4.3	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	19.1	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	26	ug/m3	0.249	0.793	1	TO-15		8/25/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	27	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	82	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	16.6	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	5.7	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	53	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	27.8	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856J
Sample ID WB-SS-11
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	98	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	1
Benzene	4.7	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	44	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	0.38 "J"	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	1.39	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	14.8	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	13.9	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.44	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	0.54 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	5.3	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.67	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	139	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	3400	ug/m3	42	133.6	200	TO-15		8/26/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	0.238 "J"	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	46	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	7.8	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	1.67	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	43	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	46	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	29.1	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	24.2	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.54	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856J
Sample ID WB-SS-11
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.88 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	0.98	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	73	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	4.9	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	13.1	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	109000	ug/m3	49.8	158.6	200	TO-15		8/26/2021	CJR	1
1,1,2-Trichloroethane	0.38 "J"	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	207	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	21.8	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	9.8	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	3.14	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	0.179 "J"	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	41	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	22.5	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856K
Sample ID WB-SS-13
Sample Matrix Air
Sample Date 8/20/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	550	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	10
Benzene	3.4	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	1.21	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	0.50 "J"	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	1.12	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	1.03	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.26	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	0.77	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.22	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	0.32 "J"	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	19.5	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.83	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	2.08	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	0.54 "J"	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	2.04	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	6.2	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	< 0.109	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	7.6	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.78	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	0.37 "J"	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.54	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856K
Sample ID WB-SS-13
Sample Matrix Air
Sample Date 8/20/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.1 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	0.64	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	3.3	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	0.94	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	17.5	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	53	ug/m3	0.249	0.793	1	TO-15		8/25/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	11	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	41	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	1.0 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	2.94	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	0.83	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	11.8	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	4.5	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856L
Sample ID WB-SS-12
Sample Matrix Air
Sample Date 8/20/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	118	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	10
Benzene	2.62	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	0.90	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	4.2	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	0.89 "J"	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	3.8	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	0.9 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	0.53 "J"	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.77	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	0.238 "J"	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	6.2	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.94	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	2.64	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	0.49 "J"	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	12.3	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	20.7	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	1.96	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	1.89	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	19.3	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.47	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856L
Sample ID WB-SS-12
Sample Matrix Air
Sample Date 8/20/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.05 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	0.47 "J"	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	3.6	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	0.53	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	13	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	117	ug/m3	0.249	0.793	1	TO-15		8/25/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	10	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	63	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	1.07 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	2.4	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	0.69 "J"	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	12.7	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	5.0	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
10	Linear range of calibration curve exceeded.

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

Authorized Signature

CHAIN OF CUSTODY RECORD

Chain # No. 015

Page ____ of ____

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Sample Handling Request

____Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)
____Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: 40443

Sampler: (signature)

Project (Name / Location):

Reports To: Robert Reineke	Invoice To: Accounts Payable
Company K. Singh & Associates, Inc.	Company K. Singh & Associates, Inc.
Address 3636 N 124th Street	Address 3636 N 124th St.
City State Zip Wauwatosa, WI 53222	City State Zip Wauwatosa, WI 53222
Phone 262-821-1171	Phone 262-821-1171
Email rreineke@KSinghengineering.com	Email AP@KSinghengineering.com

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	PID/ FID
5039856A	WB-SS-2	8/19/21	10:30AM	N	1	A	—														X		
B	WB-SS-9	8/19/21	11:13AM	N	1	A	—														X		
C	WB-SS-8	8/19/21	11:39AM	N	1	A	—														X		
D	WB-SS-22	8/19/21	12:44PM	N	1	A	—														X		
E	WB-SS-10	8/19/21	1:12PM	N	1	A	—														X		
F	WB-SS-23	8/19/21	1:35PM	N	1	A	—														X		
G	WB-SS-25	8/19/21	2:07PM	N	1	A	—														X		
H	WB-SS-14	8/19/21	2:35PM	N	1	A	—														X		
I	WB-SS-24	8/19/21	2:55PM	N	1	A	—														X		
J	WB-SS-11	8/19/21	3:30PM	N	1	A	—														X		
K	WB-SS-13	8/20/21	9:56AM	N	1	A	—														X		
L	WB-SS-12	8/20/21	10:35AM	N	1	A	—														X		

Analysis Requested **Other Analysis**

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: _____ °C On Ice: _____

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date

Received in Laboratory By: Time: 8:00 Date: 8/24/21