KSingh | Engineers Scientists Consultants

March 29, 2023

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

Project # 40443A

Subject: **First Round of Commissioning for Community Within the Corridor – West Block – Buildings 4 and 5**
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190

Dear Mrs. Meyer:

On behalf of the Community Within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) is pleased to submit the results of first round of Commissioning of the Vapor Mitigation System for Buildings 4 and 5 for the Community Within the Corridor – West Block project. Commissioning was performed in accordance with the Commissioning Plan that was approved by WDNR on May 23, 2022.

Sub-slab Depressurization System Vacuum Measurements

The sub-slab depressurization system installed in Buildings 4 and 5 was tested on 01/31/2023. A handheld hammer drill was used to install vapor pins beneath the slab of the structure. A digital manometer was utilized to take measurements of vacuum below the slab after the vapor points passed a water dam test. Seventeen locations were chosen to take measurements to get an accurate model of sub-slab depressurization from each suction point, however, one sample location was unable to be measured due to the thickness of the building slab as the subslab could not be reached.

In accordance with a vapor mitigation system commissioning plan submitted by KSingh on April 21, 2022, a reading of -0.004 inches water was utilized to determine whether the system was adequately operating. Recorded measurements range from -0.004 to -0.299 inches water, all of which are above the minimum measurement.

The locations and results of January 2023 sub-slab depressurization measurements are depicted on Figure 1 and summarized in Table 1. The greatest vacuum measurements are observed in the vicinity of the highest exceedances of vapor risk screening levels (VRSLs) in the southwestern portion of building 4. Based on the buildings extents and the measured vacuum readings, the sub-slab depressurization system has met its needed requirements.

Passive Indoor Air Sampling

Following documentation of adequate sub-slab depressurization, passive air sampling was performed in accordance with the approved Commissioning Plan. A total of 10 passive air samplers were set up and sampled over a 1-week period from January 30, 2023 until February 6, 2023. The locations of the passive air samplers are included in Attachment A.

On February 7, 2023, the passive air samplers were submitted to Eurofins Air Toxics, LLC Folsom, CA for analysis for chlorinated solvents including Trichloroethylene (TCE), Tetrachloroethylene (PCE), cis-1,2-Dichloroethylene (cis-DCE), and trans-1,2-Dichloroethylene (trans-DCE). The results are included in Attachment B and summarized in Table 2.

No samples reported any detections of chlorinated solvents.

Exhaust Sampling

Eleven fans were installed on the roof of buildings 4 and 5 as part of the vapor mitigation system. As part of commissioning, 1.4L Summa canisters provided by Synergy Environmental Lab, Inc. (Synergy) were utilized to gather air quality samples from roof fans on March 22, 2023. Samples were gathered for fifteen minutes via vapor lines extended into the fan system while the fans were operating. System tightness was confirmed with shut in testing, and sample lines were purged between each sample. Upon completion of sampling, cannisters were submitted to Synergy for analysis of TO-15 parameters.

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

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

Conclusions and Recommendations

The following conclusions were reached based on the sampling.

- Based on the results of sub-slab vacuum measurements, the vapor mitigation system installed on the subject site adequately creates vacuum beneath the building slab for buildings 4 and 5.
- Passive indoor air results show that there are no Residential Indoor Air VALs exceeded in buildings 4 and 5.
- Fan emissions sampling indicates that PCE and TCE are still present in the sub-slab and that some mass reduction is taking place.
- Based on the results from the first round of commissioning, the system is operating as intended.

We have the following recommendations.

- We recommend that the second round of commissioning be scheduled for April 2023. A third round of commissioning is recommended for July 2023.
- Regular inspection and maintenance of the exhaust system is recommended.

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

Sincerely,

K. SINGH & ASSOCIATES, INC.

Justin P. Bush
Staff Geologist

Robert T. Reineke, P.E
Project Manager

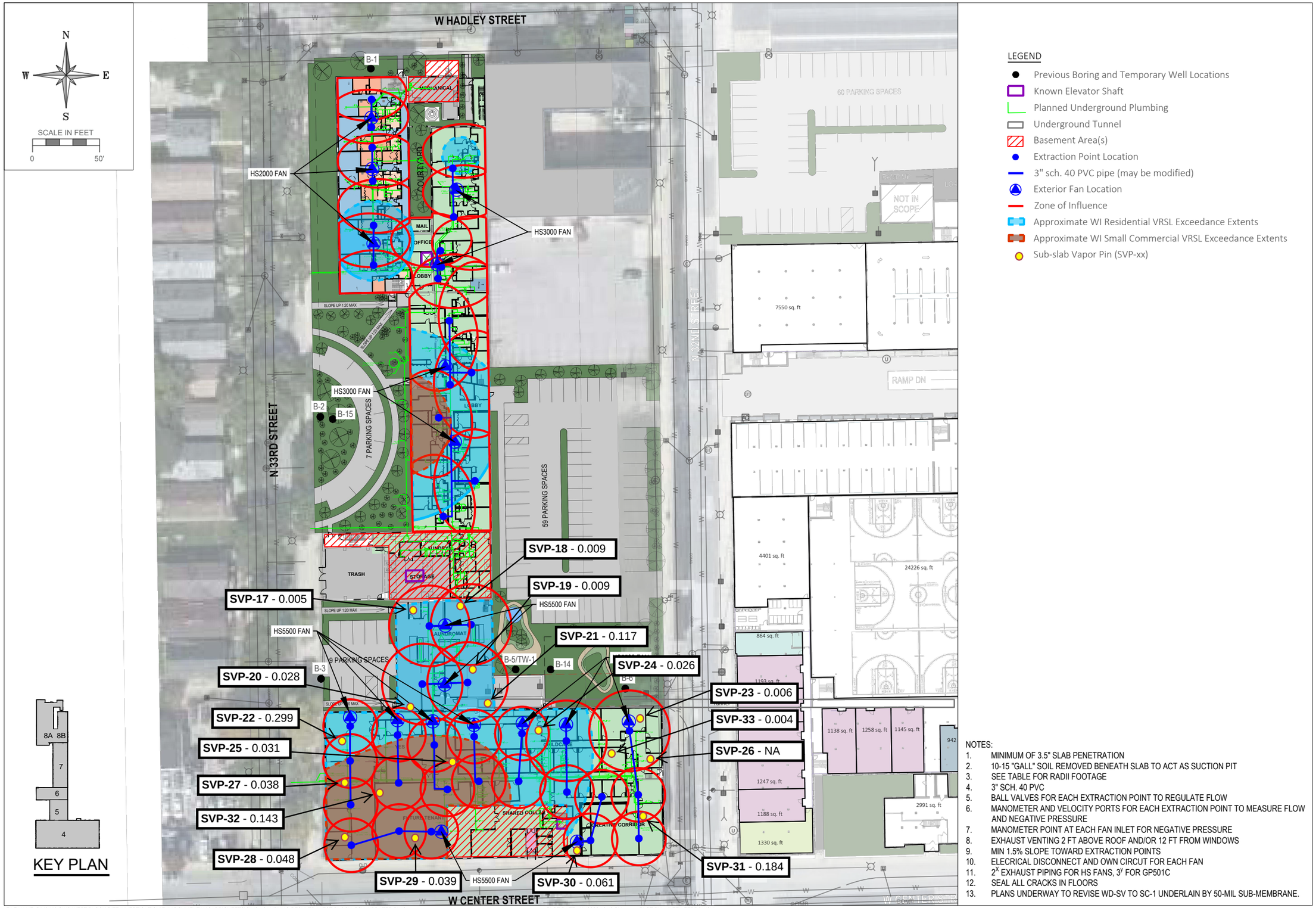
Pratap N. Singh, Ph.D., P.E.
Principal Engineer

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

Attachments:

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

FIGURE



KEY PLAN

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
- Sub-slab Vapor Pin (SVP-xx)

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.

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

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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

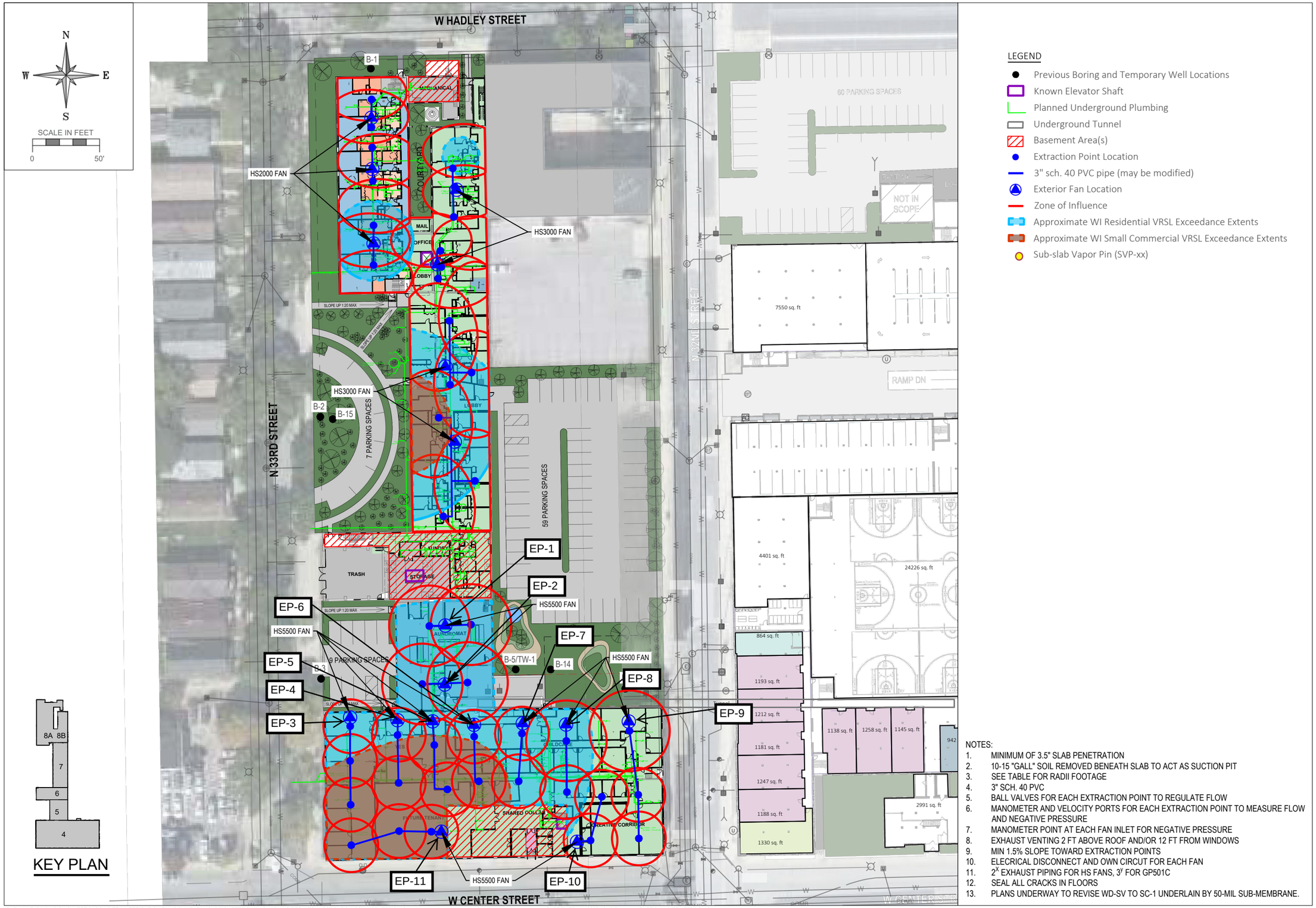
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
JPB	06/02/2022
CHECKED BY	DATE
RTR	06/02/2022

SHEET TITLE
Sub-slab Depressurization Location and Results

FIGURE 1

SHEET 6 of SHEET 6



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SHEET TITLE
Exhaust Fan Locations

FIGURE 2

SHEET 6 of SHEET 6

TABLES

TABLE 1
VACUUM MEASUREMENT RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample Location	Date	Reading (inches H2O)
SVP-17	1/31/2023	-0.005
SVP-18	1/31/2023	-0.009
SVP-19	1/31/2023	-0.009
SVP-20	1/31/2023	-0.028
SVP-21	1/31/2023	-0.117
SVP-22	1/31/2023	-0.299
SVP-23	1/31/2023	-0.006
SVP-24	1/31/2023	-0.026
SVP-25	1/31/2023	-0.031
SVP-26	1/31/2023	NA
SVP-27	1/31/2023	-0.038
SVP-28	1/31/2023	-0.048
SVP-29	1/31/2023	-0.039
SVP-30	1/31/2023	-0.061
SVP-31	1/31/2023	-0.184
SVP-32	1/31/2023	-0.143
SVP-33	1/31/2023	-0.004

*Readings were compared to a threshold value of 0.004 inches H2O.

TABLE 2
Passive Air Sampling Results for Commissioning
Community Within the Corridor - West Block - Building 4 and 5

Sample ID	Units	Residential Indoor Air VAL*	IA-4-01C	IA-4-01F	IA-4-01A	IA-4-01E	IA-5-01A	IA-5-01B	IA-4-01B	IA-4-01D	OA-4/5-Background	IA-4-Basement
Date	---	---	2/6/2023	2/6/2023	2/6/2023	2/6/2023	2/6/2023	2/6/2023	2/6/2023	2/6/2023	2/6/2023	2/6/2023
Trichloroethene	ug/m^3	2.1	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	ug/m^3	42	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.10	<0.17
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	1.1	<0.33

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

TABLE 3
EXHAUST FAN SAMPLING RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	INDOOR AIR VALs				SUB-SLAB VAPOR VRSL			EP-1	EP-2	EP-3
	Large Commerical / Industrial Vapor Action Levels*	Large Commerical / Industrial Vapor Action Levels*	Small Commerical Vapor Action Levels*	Residential Vapor Action Levels*	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
					RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	3/22/2023	3/22/2023	3/22/2023
								ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	22000	5700	22000	5200	170,000	730,000	2,200,000	2.17	< 0.249	19.5
1,1,2,2-Tetrachloroethane	---	---	---	---	1.6	7	21	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	---	---	---	---	0.7	2.9	8.8	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	77	19	77	18	600	2,600	7,700	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	880	220	880	210	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21
1,2,4-Trichlorobenzene	---	---	---	---	700	2933	8,800	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	260	52	260	63	2,100	8,700	26,000	0.78 J	0.93	0.64 J
1,2-Dichlorobenzene	---	---	---	---	700	2933	8,800	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	4.7	1.1	4.7	---	36	160	470	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	---	---	---	---	14	60	180	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	---	---	---	---	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	260	52	260	63	2,100	8,700	26,000	0.245 J	0.294 J	< 0.232
1,3-Butadiene	---		---	---	---	---	---	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	---	---	---	---	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	---	---	---	---	8	37	110	< 0.302	< 0.302	< 0.302
1,4-Dioxane	---	---	---	---	18	83.3	250	< 0.157	< 0.157	< 0.157
2-Hexanone	---		---	---	---	---	---	< 0.222	< 0.222	< 0.222
4-Ethyltoluene	---		---	---	---	---	---	0.245 J	0.294 J	< 0.214
Acetone	---	---	---	---	106,667	466,667	1,400,000	33	25.3	21.2
Benzene	16	4.9	16	3.6	120	530	1,600	0.42 J	0.48	0.255 J
Benzyl Chloride	---	---	---	---	1.9	8	25	< 0.209	< 0.209	< 0.209
Bromodichloromethane	---	---	---	---	2.53	11	33	< 0.374	< 0.374	3.02
Bromoform	---	---	---	---	86.6	367	1,100	< 0.414	< 0.414	< 0.414
Bromomethane	---	---	---	---	17.3	73	220	< 0.2	< 0.2	< 0.2
Carbon Disulfide	---	---	---	---	2,433	10,333	31,000	0.28 J	0.249 J	0.187 J
Carbon Tetrachloride	20	3.1	20	4.7	156	667	2,000	0.5 J	0.82 J	0.5 J
Chlorobenzene	---	---	---	---	173	733	2,200	< 0.251	< 0.251	< 0.251
Chloroethane	---	---	---	---	33,333	146,667	440,000	< 0.159	< 0.159	< 0.159
Chloroform	5.3	1.1	5.3	1.2	3,100	13,000	39,000	< 0.3	< 0.3	4.7
Chloromethane	390	190	390	94	3,100	13,000	39,000	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	< 0.234	< 0.234	< 0.234
Cyclohexane	---	---	---	---	3,333	14,667	44,000	0.241 J	< 0.212	< 0.212
Dibromochloromethane	---	---	---	---	---	---	---	< 0.376	< 0.376	1.28
Dichlorodifluoromethane	440	88	440	100	3,300	14,667	44,000	2.42	2.47	2.42
EDB (1,2-Dibromoethane)	---	---	---	---	0.157	0.67	2	< 0.342	< 0.342	< 0.342
Ethanol	---		---	---	---	---	---	7.8	2.64	3.7
Ethyl Acetate	---		---	---	---	---	---	< 0.176	< 0.176	< 0.176
Ethylbenzene	49	11	49	11	370	1,600	4,900	1.34	0.74	0.35 J
Heptane	---		---	---	---	---	---	1.14	0.94	0.33 J
Hexachlorobutadiene	---	---	---	---	4.3	19	56	< 0.489	< 0.489	< 0.489
Hexane	---	---	---	---	1,400	6,000	18,000	1.23	1.48	1.59
Isopropyl Alcohol	---	---	---	---	---	---	---	1.89	1.35	6.8
m&p-Xylene	440	100	440	100	3,300	15,000	44,000	13.3	4.2	2.38
Methyl ethyl ketone (MEK)	---	---	---	---	17,333	73,333	220,000	9	15.2	4.5
Methyl isobutyl ketone (MIBK)	---	---	---	---	10,333	43,333	130,000	< 0.168	< 0.168	< 0.168
Methyl Methacrylate	---		---	---	---	---	---	< 0.217	< 0.217	< 0.217
Methyl tert-butyl ether (MTBE)	---	---	---	---	3,700	16,000	47,000	< 0.16	< 0.16	< 0.16
Methylene chloride	2600	740	2600	630	21,000	87,000	260,000	< 0.159	< 0.159	< 0.159
Naphthalene	3.6	0.68	3.6	0.83	28	6,000	360	< 0.675	2.72	< 0.675
o-Xylene	440	100	440	100	3,300	15,000	44,000	3.3	1.26	0.78
Propene	---		---	---	---	---	---	< 0.079	< 0.079	< 0.079
Styrene	---	---	---	---	3,333	14,667	44,000	0.51 J	0.47 J	0.298 J
Tetrachloroethene (PCE)	180	27	180	42	1,400	6,000	18,000	2.24	4.4	12.5
Tetrahydrofuran	---	---	---	---	7,000	29,333	88,000	30	63	41
Toluene	22000	5700	22000	5200	170,000	730,000	2,200,000	12.3	15.2	0.98
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	0.36 J	< 0.231	0.44 J
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	8.8	1.6	8.8	2.1	70	290	880	**1.77**	**4**	**21.6**
Trichlorofluoromethane	---	---	---	---	---	---	---	1.57	1.46	1.91
Trichlorotrifluoroethane	--		---	---	---	---	---	0.54 J	0.54 J	0.61 J
Vinyl acetate	---	---	---	---	700	2933	8,800	< 0.203	< 0.203	< 0.203
Vinyl Chloride	28	11	28	1.7	57	930	2,800	< 0.148	< 0.148	< 0.148

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

VAL = Vapor Action Levels

VRSL = Vapor Risk Screening Levels

BOLD indicates detection is above VALs

Indicates detection is above Residential VRSLs

Indicates detection is above Small Commercial VRSLs

Indicates detection is above Large Commercial / Industrial VRSLs

TABLE 3
EXHAUST FAN SAMPLING RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	INDOOR AIR VALs				SUB-SLAB VAPOR VRSL			EP-4	EP-5	EP-6
	Large Commerical / Industrial Vapor Action Levels*	Large Commerical / Industrial Vapor Action Levels*	Small Commerical Vapor Action Levels*	Residential Vapor Action Levels*	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
					RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	3/22/2023	3/22/2023	3/22/2023
								ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	22000	5700	22000	5200	170,000	730,000	2,200,000	42	3.3	< 0.249
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1,1-Dichloroethane	77	19	77	18	600	2,600	7,700	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	880	220	880	210	7,000	29,000	88,000	0.95	< 0.21	0.79
1,2,4-Trichlorobenzene	---	---	---	---	700	2933	8,800	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	260	52	260	63	2,100	8,700	26,000	< 0.283	0.34 J	0.74 J
1,2-Dichlorobenzene	---	---	---	---	700	2933	8,800	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	4.7	1.1	4.7	---	36	160	470	< 0.24	< 0.24	< 0.24
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1,3-Butadiene	---		---	---	---	---	---	< 0.143	< 0.143	< 0.143
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2-Hexanone	---		---	---	---	---	---	< 0.222	0.33 J	0.33 J
4-Ethyltoluene	---		---	---	---	---	---	< 0.214	< 0.214	< 0.214
Acetone	---	---	---	---	106,667	466,667	1,400,000	25.4	16	37
Benzene	16	4.9	16	3.6	120	530	1,600	0.64	0.287 J	1.09
Benzyl Chloride	---	---	---	---	1.9	8	25	< 0.209	< 0.209	< 0.209
Bromodichloromethane	---	---	---	---	2.53	11	33	< 0.374	0.54 J	< 0.374
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Chlorobenzene	---	---	---	---	173	733	2,200	< 0.251	< 0.251	< 0.251
Chloroethane	---	---	---	---	33,333	146,667	440,000	< 0.159	< 0.159	< 0.159
Chloroform	5.3	1.1	5.3	1.2	3,100	13,000	39,000	< 0.3	0.68 J	< 0.3
Chloromethane	390	190	390	94	3,100	13,000	39,000	1.3 J	< 0.831	1.22 J
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	< 0.234	< 0.234	< 0.234
Cyclohexane	---	---	---	---	3,333	14,667	44,000	< 0.212	< 0.212	< 0.212
Dibromochloromethane	---	---	---	---	---	---	---	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	440	88	440	100	3,300	14,667	44,000	2.42	2.37	4.4
EDB (1,2-Dibromoethane)	---	---	---	---	0.157	0.67	2	< 0.342	< 0.342	< 0.342
Ethanol	---		---	---	---	---	---	7.7	3.2	21.3
Ethyl Acetate	---		---	---	---	---	---	< 0.176	< 0.176	1.91
Ethylbenzene	49	11	49	11	370	1,600	4,900	0.217 J	0.39 J	0.43 J
Heptane	---		---	---	---	---	---	< 0.265	< 0.265	2.7
Hexachlorobutadiene	---	---	---	---	4.3	19	56	< 0.489	< 0.489	< 0.489
Hexane	---	---	---	---	1,400	6,000	18,000	1.3	1.34	2.04
Isopropyl Alcohol	---	---	---	---	---	---	---	2.87	2.06	400 10
m&p-Xylene	440	100	440	100	3,300	15,000	44,000	0.61 J	2.9	1.17 J
Methyl ethyl ketone (MEK)	---	---	---	---	17,333	73,333	220,000	2.33	1.12	2.45
Methyl isobutyl ketone (MIBK)	---	---	---	---	10,333	43,333	130,000	0.41 J	< 0.168	0.41 J
Methyl Methacrylate	---		---	---	---	---	---	< 0.217	< 0.217	< 0.217
Methyl tert-butyl ether (MTBE)	---	---	---	---	3,700	16,000	47,000	< 0.16	< 0.16	< 0.16
Methylene chloride	2600	740	2600	630	21,000	87,000	260,000	< 0.159	< 0.159	< 0.159
Naphthalene	3.6	0.68	3.6	0.83	28	6,000	360	< 0.675	< 0.675	< 0.675
o-Xylene	440	100	440	100	3,300	15,000	44,000	0.26 J	0.87	0.65 J
Propene	---		---	---	---	---	---	< 0.079	< 0.079	< 0.079
Styrene	---	---	---	---	3,333	14,667	44,000	< 0.181	< 0.181	0.255 J
Tetrachloroethene (PCE)	180	27	180	42	1,400	6,000	18,000	0.88 J	4.5	0.41 J
Tetrahydrofuran	---	---	---	---	7,000	29,333	88,000	< 0.131	2.03	0.83
Toluene	22000	5700	22000	5200	170,000	730,000	2,200,000	1.02	1.09	2.15
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	< 0.231	0.59 J	< 0.231
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	8.8	1.6	8.8	2.1	70	290	880	0.268 J	**5.1**	< 0.237
Trichlorofluoromethane	---	---	---	---	---	---	---	1.4	1.8	1.57
Trichlorotrifluoroethane	--		---	---	---	---	---	0.69 J	0.61 J	0.54 J
Vinyl acetate	---	---	---	---	700	2933	8,800	< 0.203	< 0.203	< 0.203
Vinyl Chloride	28	11	28	1.7	57	930	2,800	< 0.148	< 0.148	< 0.148

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

VAL = Vapor Action Levels

VRSL = Vapor Risk Screening Levels

BOLD indicates detection is above VALs

Indicates detection is above Residential VRSLs

Indicates detection is above Small Commercial VRSLs

Indicates detection is above Large Commercial / Industrial VRSLs

TABLE 3
EXHAUST FAN SAMPLING RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	INDOOR AIR VALs				SUB-SLAB VAPOR VRSL			EP-7	EP-8	EP-9
	Large Commerical / Industrial Vapor Action Levels*	Large Commerical / Industrial Vapor Action Levels*	Small Commerical Vapor Action Levels*	Residential Vapor Action Levels*	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
					RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	3/22/2023	3/22/2023	3/22/2023
								ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	22000	5700	22000	5200	170,000	730,000	2,200,000	1.36	< 0.249	1.03
1,1,2,2-Tetrachloroethane	---	---	---	---	1.6	7	21	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	---	---	---	---	0.7	2.9	8.8	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	77	19	77	18	600	2,600	7,700	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	880	220	880	210	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21
1,2,4-Trichlorobenzene	---	---	---	---	700	2933	8,800	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	260	52	260	63	2,100	8,700	26,000	0.39 J	< 0.283	< 0.283
1,2-Dichlorobenzene	---	---	---	---	700	2933	8,800	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	4.7	1.1	4.7	---	36	160	470	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	---	---	---	---	14	60	180	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	---	---	---	---	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	260	52	260	63	2,100	8,700	26,000	< 0.232	< 0.232	< 0.232
1,3-Butadiene	---		---	---	---	---	---	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	---	---	---	---	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	---	---	---	---	8	37	110	< 0.302	< 0.302	< 0.302
1,4-Dioxane	---	---	---	---	18	83.3	250	< 0.157	< 0.157	< 0.157
2-Hexanone	---		---	---	---	---	---	< 0.222	0.82	0.78
4-Ethyltoluene	---		---	---	---	---	---	< 0.214	< 0.214	< 0.214
Acetone	---	---	---	---	106,667	466,667	1,400,000	29.3	9.8	18.4
Benzene	16	4.9	16	3.6	120	530	1,600	0.57	0.73	0.224 J
Benzyl Chloride	---	---	---	---	1.9	8	25	< 0.209	< 0.209	< 0.209
Bromodichloromethane	---	---	---	---	2.53	11	33	< 0.374	< 0.374	< 0.374
Bromoform	---	---	---	---	86.6	367	1,100	< 0.414	< 0.414	< 0.414
Bromomethane	---	---	---	---	17.3	73	220	< 0.2	< 0.2	< 0.2
Carbon Disulfide	---	---	---	---	2,433	10,333	31,000	0.311 J	0.28 J	0.44 J
Carbon Tetrachloride	20	3.1	20	4.7	156	667	2,000	0.63 J	0.57 J	0.5 J
Chlorobenzene	---	---	---	---	173	733	2,200	< 0.251	< 0.251	< 0.251
Chloroethane	---	---	---	---	33,333	146,667	440,000	< 0.159	< 0.159	< 0.159
Chloroform	5.3	1.1	5.3	1.2	3,100	13,000	39,000	0.34 J	< 0.3	< 0.3
Chloromethane	390	190	390	94	3,100	13,000	39,000	< 0.831	1.05 J	< 0.831
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	< 0.234	< 0.234	< 0.234
Cyclohexane	---	---	---	---	3,333	14,667	44,000	< 0.212	< 0.212	< 0.212
Dibromochloromethane	---	---	---	---	---	---	---	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	440	88	440	100	3,300	14,667	44,000	2.57	2.37	2.42
EDB (1,2-Dibromoethane)	---	---	---	---	0.157	0.67	2	< 0.342	< 0.342	< 0.342
Ethanol	---		---	---	---	---	---	9.7	6	2.19
Ethyl Acetate	---		---	---	---	---	---	< 0.176	< 0.176	< 0.176
Ethylbenzene	49	11	49	11	370	1,600	4,900	0.303 J	< 0.203	< 0.203
Heptane	---		---	---	---	---	---	0.57 J	< 0.265	< 0.265
Hexachlorobutadiene	---	---	---	---	4.3	19	56	< 0.489	< 0.489	< 0.489
Hexane	---	---	---	---	1,400	6,000	18,000	3.7	0.95	0.49 J
Isopropyl Alcohol	---	---	---	---	---	---	---	34	0.93	0.71
m&p-Xylene	440	100	440	100	3,300	15,000	44,000	1.47	0.52 J	0.78 J
Methyl ethyl ketone (MEK)	---	---	---	---	17,333	73,333	220,000	4.7	0.88	4.1
Methyl isobutyl ketone (MIBK)	---	---	---	---	10,333	43,333	130,000	0.286 J	< 0.168	< 0.168
Methyl Methacrylate	---		---	---	---	---	---	< 0.217	< 0.217	< 0.217
Methyl tert-butyl ether (MTBE)	---	---	---	---	3,700	16,000	47,000	< 0.16	< 0.16	< 0.16
Methylene chloride	2600	740	2600	630	21,000	87,000	260,000	< 0.159	< 0.159	< 0.159
Naphthalene	3.6	0.68	3.6	0.83	28	6,000	360	< 0.675	< 0.675	< 0.675
o-Xylene	440	100	440	100	3,300	15,000	44,000	1.04	< 0.218	0.39 J
Propene	---		---	---	---	---	---	< 0.079	< 0.079	< 0.079
Styrene	---	---	---	---	3,333	14,667	44,000	< 0.181	< 0.181	< 0.181
Tetrachloroethene (PCE)	180	27	180	42	1,400	6,000	18,000	18.3	< 0.278	2.92
Tetrahydrofuran	---	---	---	---	7,000	29,333	88,000	13	< 0.131	30.5
Toluene	22000	5700	22000	5200	170,000	730,000	2,200,000	1.32	2.9	2.52
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	0.238 J	< 0.231	0.36 J
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	8.8	1.6	8.8	2.1	70	290	880	**5.6**	< 0.237	**4.8**
Trichlorofluoromethane	---	---	---	---	---	---	---	2.02	1.46	1.8
Trichlorotrifluoroethane	--		---	---	---	---	---	0.54 J	0.54 J	0.77 J
Vinyl acetate	---	---	---	---	700	2933	8,800	< 0.203	< 0.203	< 0.203
Vinyl Chloride	28	11	28	1.7	57	930	2,800	< 0.148	< 0.148	< 0.148

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

VAL = Vapor Action Levels

VRSL = Vapor Risk Screening Levels

BOLD indicates detection is above VALs

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Indicates detection is above Small Commercial VRSLs

Indicates detection is above Large Commercial / Industrial VRSLs

TABLE 3
EXHAUST FAN SAMPLING RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	INDOOR AIR VALs				SUB-SLAB VAPOR VRSL			EP-10	EP-11
	Large Commerical / Industrial Vapor Action Levels*	Large Commerical / Industrial Vapor Action Levels*	Small Commerical Vapor Action Levels*	Residential Vapor Action Levels*	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT
					RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	3/22/2023	3/22/2023
								ug/m^3	ug/m^3
1,1,1-Trichloroethane	22000	5700	22000	5200	170,000	730,000	2,200,000	< 0.249	11.9
1,1,2,2-Tetrachloroethane	---	---	---	---	1.6	7	21	< 0.325	< 0.325
1,1,2-Trichloroethane	---	---	---	---	0.7	2.9	8.8	< 0.258	< 0.258
1,1-Dichloroethane	77	19	77	18	600	2,600	7,700	< 0.187	< 0.187
1,1-Dichloroethene	880	220	880	210	7,000	29,000	88,000	< 0.21	< 0.21
1,2,4-Trichlorobenzene	---	---	---	---	700	2933	8,800	< 0.657	< 0.657
1,2,4-Trimethylbenzene	260	52	260	63	2,100	8,700	26,000	< 0.283	0.34 J
1,2-Dichlorobenzene	---	---	---	---	700	2933	8,800	< 0.235	< 0.235
1,2-Dichloroethane	4.7	1.1	4.7	---	36	160	470	< 0.24	< 0.24
1,2-Dichloropropane	---	---	---	---	14	60	180	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	---	---	---	---	< 0.446	< 0.446
1,3,5-Trimethylbenzene	260	52	260	63	2,100	8,700	26,000	< 0.232	< 0.232
1,3-Butadiene	---		---	---	---	---	---	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	---	---	---	---	< 0.302	< 0.302
1,4-Dichlorobenzene	---	---	---	---	8	37	110	< 0.302	< 0.302
1,4-Dioxane	---	---	---	---	18	83.3	250	< 0.157	< 0.157
2-Hexanone	---		---	---	---	---	---	< 0.222	< 0.222
4-Ethyltoluene	---		---	---	---	---	---	< 0.214	< 0.214
Acetone	---	---	---	---	106,667	466,667	1,400,000	8.8	9.4
Benzene	16	4.9	16	3.6	120	530	1,600	0.77	0.42 J
Benzyl Chloride	---	---	---	---	1.9	8	25	< 0.209	< 0.209
Bromodichloromethane	---	---	---	---	2.53	11	33	< 0.374	6.5
Bromoform	---	---	---	---	86.6	367	1,100	< 0.414	< 0.414
Bromomethane	---	---	---	---	17.3	73	220	< 0.2	< 0.2
Carbon Disulfide	---	---	---	---	2,433	10,333	31,000	0.187 J	0.4 J
Carbon Tetrachloride	20	3.1	20	4.7	156	667	2,000	0.44 J	0.57 J
Chlorobenzene	---	---	---	---	173	733	2,200	< 0.251	< 0.251
Chloroethane	---	---	---	---	33,333	146,667	440,000	< 0.159	< 0.159
Chloroform	5.3	1.1	5.3	1.2	3,100	13,000	39,000	< 0.3	10.8
Chloromethane	390	190	390	94	3,100	13,000	39,000	1.03 J	< 0.831
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	< 0.197	0.52 J
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	< 0.234	< 0.234
Cyclohexane	---	---	---	---	3,333	14,667	44,000	< 0.212	0.55 J
Dibromochloromethane	---	---	---	---	---	---	---	< 0.376	2.55
Dichlorodifluoromethane	440	88	440	100	3,300	14,667	44,000	2.42	2.52
EDB (1,2-Dibromoethane)	---	---	---	---	0.157	0.67	2	< 0.342	< 0.342
Ethanol	---		---	---	---	---	---	5.2	2.75
Ethyl Acetate	---		---	---	---	---	---	< 0.176	< 0.176
Ethylbenzene	49	11	49	11	370	1,600	4,900	< 0.203	0.48 J
Heptane	---		---	---	---	---	---	0.286 J	0.45 J
Hexachlorobutadiene	---	---	---	---	4.3	19	56	< 0.489	< 0.489
Hexane	---	---	---	---	1,400	6,000	18,000	0.81	1.73
Isopropyl Alcohol	---	---	---	---	---	---	---	0.74	0.69
m&p-Xylene	440	100	440	100	3,300	15,000	44,000	0.39 J	1.73
Methyl ethyl ketone (MEK)	---	---	---	---	17,333	73,333	220,000	0.94	2.09
Methyl isobutyl ketone (MIBK)	---	---	---	---	10,333	43,333	130,000	< 0.168	< 0.168
Methyl Methacrylate	---		---	---	---	---	---	< 0.217	< 0.217
Methyl tert-butyl ether (MTBE)	---	---	---	---	3,700	16,000	47,000	< 0.16	< 0.16
Methylene chloride	2600	740	2600	630	21,000	87,000	260,000	< 0.159	< 0.159
Naphthalene	3.6	0.68	3.6	0.83	28	6,000	360	< 0.675	< 0.675
o-Xylene	440	100	440	100	3,300	15,000	44,000	< 0.218	0.69 J
Propene	---		---	---	---	---	---	< 0.079	< 0.079
Styrene	---	---	---	---	3,333	14,667	44,000	< 0.181	0.89
Tetrachloroethene (PCE)	180	27	180	42	1,400	6,000	18,000	< 0.278	22.3
Tetrahydrofuran	---	---	---	---	7,000	29,333	88,000	< 0.131	5.6
Toluene	22000	5700	22000	5200	170,000	730,000	2,200,000	2.6	0.83
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	< 0.231	< 0.231
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	< 0.198	< 0.198
Trichloroethene (TCE)	8.8	1.6	8.8	2.1	70	290	880	< 0.237	**37**
Trichlorofluoromethane	---	---	---	---	---	---	---	1.29	1.63
Trichlorotrifluoroethane	--		---	---	---	---	---	0.61 J	0.54 J
Vinyl acetate	---	---	---	---	700	2933	8,800	< 0.203	< 0.203
Vinyl Chloride	28	11	28	1.7	57	930	2,800	< 0.148	< 0.148

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

VAL = Vapor Action Levels

VRSL = Vapor Risk Screening Levels

BOLD indicates detection is above VALs

Indicates detection is above Residential VRSLs

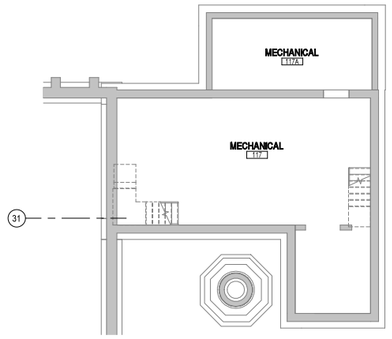
Indicates detection is above Small Commercial VRSLs

Indicates detection is above Large Commercial / Industrial VRSLs

ATTACHMENTS

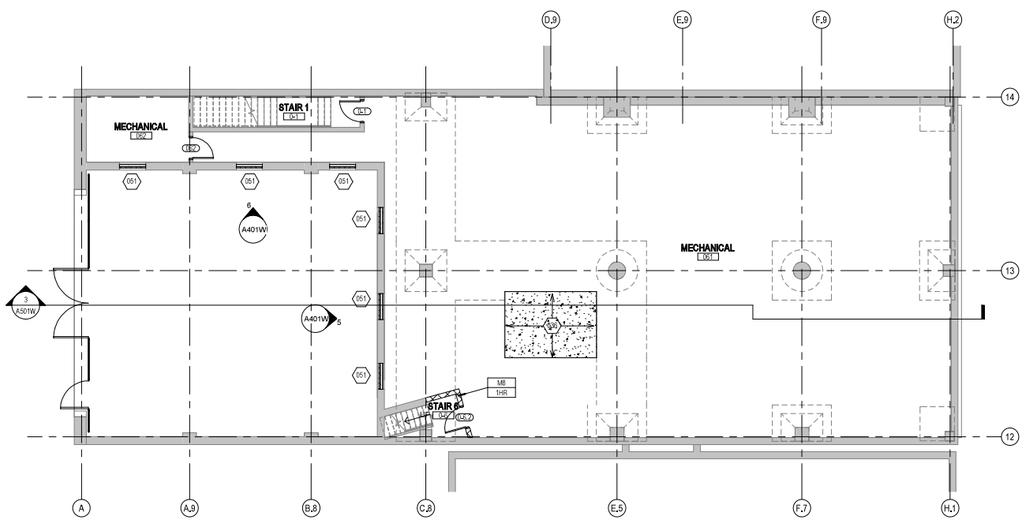
ATTACHMENT A

Indoor Air Sampling Locations



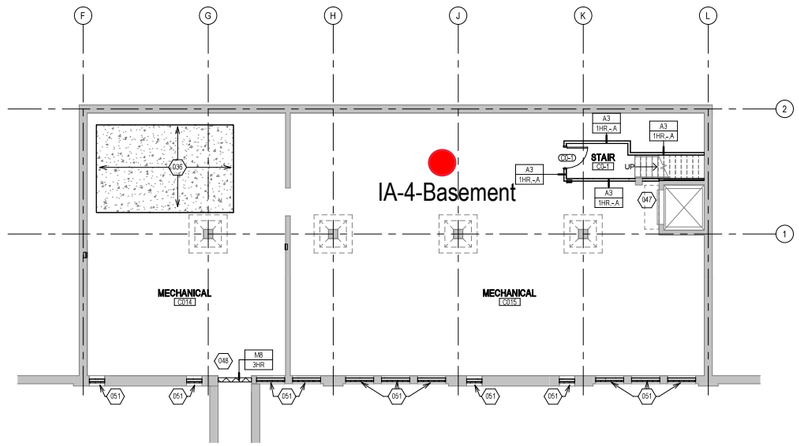
3 NEW WORK PLAN - BASEMENT - BUILDING 8A

Scale: 1/8" = 1'-0"



2 NEW WORK PLAN - BASEMENT - BUILDING 6

Scale: 1/8" = 1'-0"



1 NEW WORK PLAN - BASEMENT - BUILDING 4

Scale: 1/8" = 1'-0"

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

001	SEE UNIT 137 ENLARGED PLAN.
002	SEE UNIT 105 ENLARGED PLAN.
003	SEE UNIT 113 ENLARGED PLAN.
004	SEE UNIT 136 ENLARGED PLAN. UNIT MAY BE MIRRORED.
005	SEE UNIT 149 ENLARGED PLAN.
006	SEE UNIT 131 ENLARGED PLAN.
007	SEE UNIT 132 ENLARGED PLAN.
008	SEE UNIT 232 ENLARGED PLAN.
009	SEE UNIT 251 ENLARGED PLAN.
010	SEE UNIT 146 ENLARGED PLAN.
011	SEE UNIT 151 ENLARGED PLAN.
012	SEE UNIT 252 ENLARGED PLAN.
013	SEE UNIT 242 ENLARGED PLAN.
014	SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
015	SEE UNIT 122 ENLARGED PLAN.
016	SEE UNIT 227 ENLARGED PLAN.
017	SEE UNIT 111 ENLARGED PLAN.
018	SEE UNIT 217 ENLARGED PLAN.
019	SEE UNIT 124 ENLARGED PLAN.
020	SEE UNIT 224 ENLARGED PLAN.
021	SEE UNIT 223 ENLARGED PLAN.
022	SEE UNIT 109 ENLARGED PLAN.
023	SEE UNIT 115 ENLARGED PLAN.
024	SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORED.
025	SEE UNIT 215 ENLARGED PLAN.
026	SEE UNIT 205 ENLARGED PLAN.
027	SEE UNIT 314 ENLARGED PLAN.
028	SEE UNIT 139 ENLARGED PLAN.
029	SEE UNIT 140 ENLARGED PLAN.
030	SEE UNIT 207 ENLARGED PLAN.
031	SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPARED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032	SEE UNIT 147 ENLARGED PLAN.
033	SEE UNIT 122 ENLARGED PLAN.
034	SEE UNIT 206 ENLARGED PLAN.
035	NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036	NEW CONCRETE INFILL AT EXISTING PIT, MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037	PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038	NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL
039	NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040	PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041	NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042	NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043	NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
044	PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
045	PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
046	PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048	NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 2/A710W.
052	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057	EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061	TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062	EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066	ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067	ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069	NEW 2'X2' ACCESS DOOR W/ 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074	PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075	NEW CHAINLINK FENCE & GATES W PRIVACY SLATS.
076	BUILD TYPE PLUNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER CONCRETE TOPPING 1.2% SLOPE MAX TO MEET EXISTING FINISH LEVEL AT TRANSITIONAREA TO STAIRS OR BETWEEN BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
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3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
4. FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION. SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION. SEE PARTITION TYPES FOR DETAILS TYPE A3 / -A U.N.O.
- METAL STUD PARTITION. SEE PARTITION TYPES FOR DETAILS TYPE P6 / THR.-A U.N.O.
- X — NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

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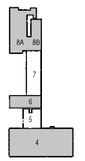
SHEET TITLE: **NEW WORK PLAN - BASEMENT - BUILDINGS 4, 6 & 8A**

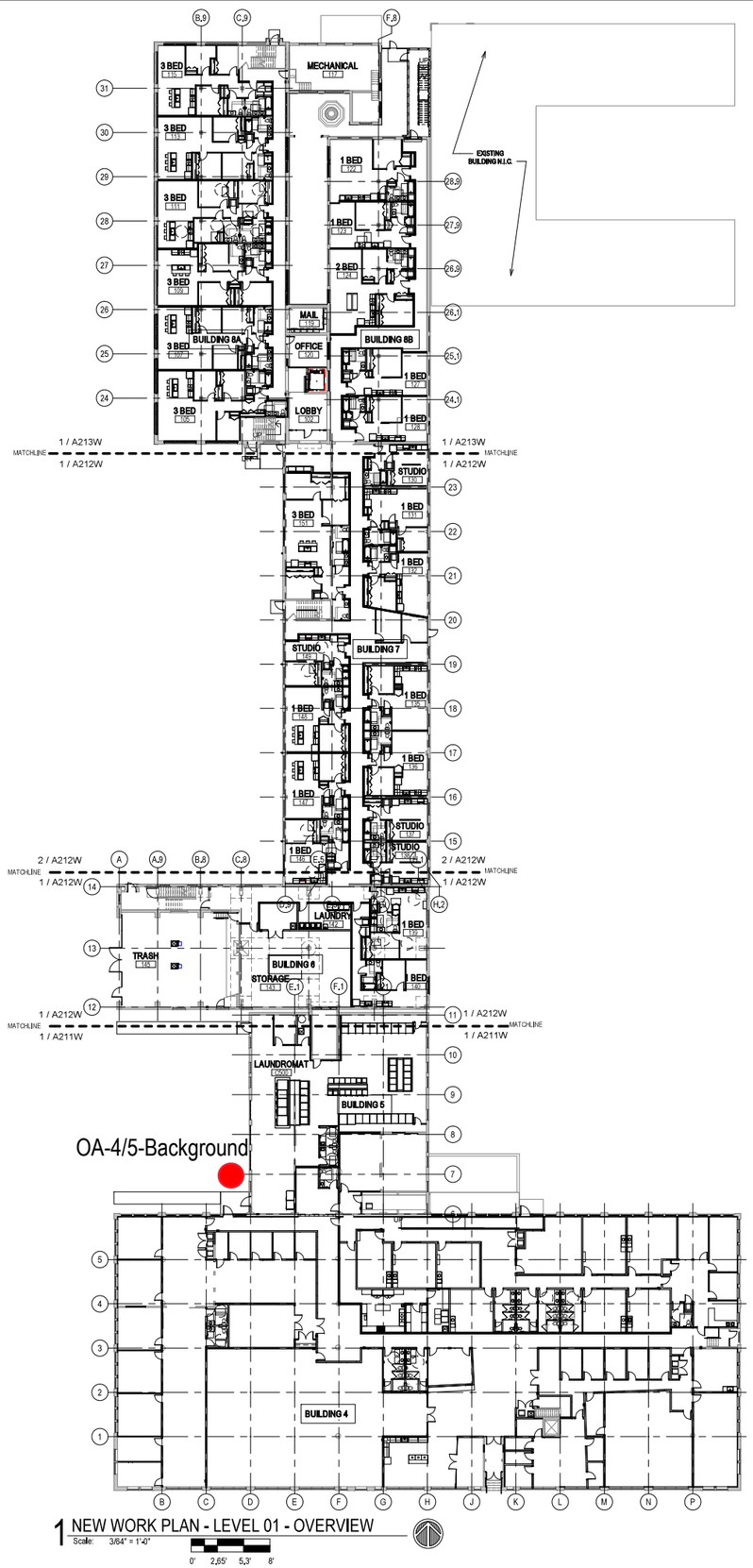
REVISIONS:

1 10/09/20 ADDENDUM #1



KEY PLAN

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	**CONSTRUCTION DOCUMENTS**
DATE ISSUED	**9/25/20**
SHEET NUMBER	**A201W**



1 NEW WORK PLAN - LEVEL 01 - OVERVIEW
Scale: 3/64" = 1'-0"
0' 2,65' 5,3' 8'

NEW WORK PLAN KEY NOTES - 1/8" PLANS

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NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

001	SEE UNIT 137 ENLARGED PLAN.
002	SEE UNIT 105 ENLARGED PLAN.
003	SEE UNIT 113 ENLARGED PLAN.
004	SEE UNIT 136 ENLARGED PLAN. UNIT MAY BE MIRRORED.
005	SEE UNIT 149 ENLARGED PLAN.
006	SEE UNIT 131 ENLARGED PLAN.
007	SEE UNIT 132 ENLARGED PLAN.
008	SEE UNIT 232 ENLARGED PLAN.
009	SEE UNIT 251 ENLARGED PLAN.
010	SEE UNIT 146 ENLARGED PLAN.
011	SEE UNIT 151 ENLARGED PLAN.
012	SEE UNIT 252 ENLARGED PLAN.
013	SEE UNIT 242 ENLARGED PLAN.
014	SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
015	SEE UNIT 122 ENLARGED PLAN.
016	SEE UNIT 227 ENLARGED PLAN.
017	SEE UNIT 111 ENLARGED PLAN.
018	SEE UNIT 217 ENLARGED PLAN.
019	SEE UNIT 124 ENLARGED PLAN.
020	SEE UNIT 224 ENLARGED PLAN.
021	SEE UNIT 223 ENLARGED PLAN.
022	SEE UNIT 109 ENLARGED PLAN.
023	SEE UNIT 115 ENLARGED PLAN.
024	SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORED.
025	SEE UNIT 215 ENLARGED PLAN.
026	SEE UNIT 205 ENLARGED PLAN.
027	SEE UNIT 314 ENLARGED PLAN.
028	SEE UNIT 139 ENLARGED PLAN.
029	SEE UNIT 140 ENLARGED PLAN.
030	SEE UNIT 207 ENLARGED PLAN.
031	SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032	SEE UNIT 147 ENLARGED PLAN.
033	SEE UNIT 122 ENLARGED PLAN.
034	SEE UNIT 206 ENLARGED PLAN.
035	NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036	NEW CONCRETE INFILL AT ENTRY PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037	PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038	NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL.
039	NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040	PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041	NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042	NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043	NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
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046	PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048	NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

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NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051	NEW METAL PANEL INFILL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 4/A510W.
052	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057	EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061	TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062	EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066	ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067	ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069	NEW 2'X3' ACCESS DOOR W 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN RISER 11, 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074	PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL. EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075	NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076	BUILD TYPE P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER CYPCRETE TOPPING 1:20 SLOPE MAX TO MEET EXISTING FINISH LEVEL AT TRANSITION AREA TO STAIRS OR BETWEEN BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

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NEW WORK PLAN LEGEND

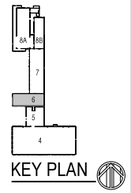
- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 / A — U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P5 / 1HR-A — U.N.O.
- X — NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL, SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL, SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

FLOOR ASSEMBLY SUMMARY

	LEVEL 01	LEVEL 02	LEVEL 03
BLDG. 4 MAIN AREA	EXISTING CONCRETE SLAB-ON-GRADE		
BLDG. 4 AT PARTIAL BASEMENT	-EXISTING 6" CONCRETE SLAB -ASSEMBLY FIRE RATING: 1 HOURS		
BLDG. 5	EXISTING CONCRETE SLAB-ON-GRADE		
BLDG. 6	-EXISTING 10 1/2" CONCRETE SLAB -ASSEMBLY FIRE RATING: 1 HOURS	-EXISTING 10 1/2" CONCRETE SLAB -ASSEMBLY FIRE RATING: 1 HOURS -STC-IIC RATING:	
BLDG. 7	EXISTING CONCRETE SLAB-ON-GRADE	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - NEW 1-1/2" GYPSUM CEMENT UNDERLAYMENT - NEW ACOUSTIC SOUND MAT (AT NON-CARPETED AREAS ONLY) - EXISTING 2" TIMBER SUBFLOORING - EXISTING 7X13 TIMBER FLOOR JOISTS (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - UNDERSIDE OF EXISTING WOOD SUBFLOORING TO RECEIVE NEW INTUMESCENT COATING. - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 45-49 FIIC: 45-47	
BLDG. 8A	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - EXISTING CONCRETE SLAB ON GRADE	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - NEW 1-1/2" GYPSUM CEMENT UNDERLAYMENT - NEW ACOUSTIC SOUND MAT (AT NON-CARPETED AREAS ONLY) - EXISTING 3" TIMBER SUBFLOORING (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - EXISTING 6X14 TIMBER FLOOR JOIST (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 45-49 FIIC: 45-47	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - NEW 1-1/2" GYPSUM CEMENT UNDERLAYMENT - NEW ACOUSTIC SOUND MAT (AT NON-CARPETED AREAS ONLY) - EXISTING 3" TIMBER SUBFLOORING (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - EXISTING 6X14 TIMBER FLOOR JOIST (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 45-49 FIIC: 45-47
BLDG. 8A @ ELEVATOR CORE	EXISTING CONCRETE SLAB-ON-GRADE	- EXISTING 3" CONCRETE SLAB - EXISTING 10" CLAY TILE INFILL - ASSEMBLY FIRE RATING: 1 HOUR	- EXISTING 3" CONCRETE SLAB - EXISTING 10" CLAY TILE INFILL - ASSEMBLY FIRE RATING: 1 HOUR
BLDG. 8B	EXISTING CONCRETE SLAB-ON-GRADE	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - NEW 1-1/2" GYPSUM CEMENT UNDERLAYMENT - NEW ACOUSTIC SOUND MAT (AT NON-CARPETED AREAS ONLY) - EXISTING 3" TIMBER SUBFLOORING (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - EXISTING 6X14 TIMBER FLOOR JOIST (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 45-49 FIIC: 45-47	



KEY PLAN

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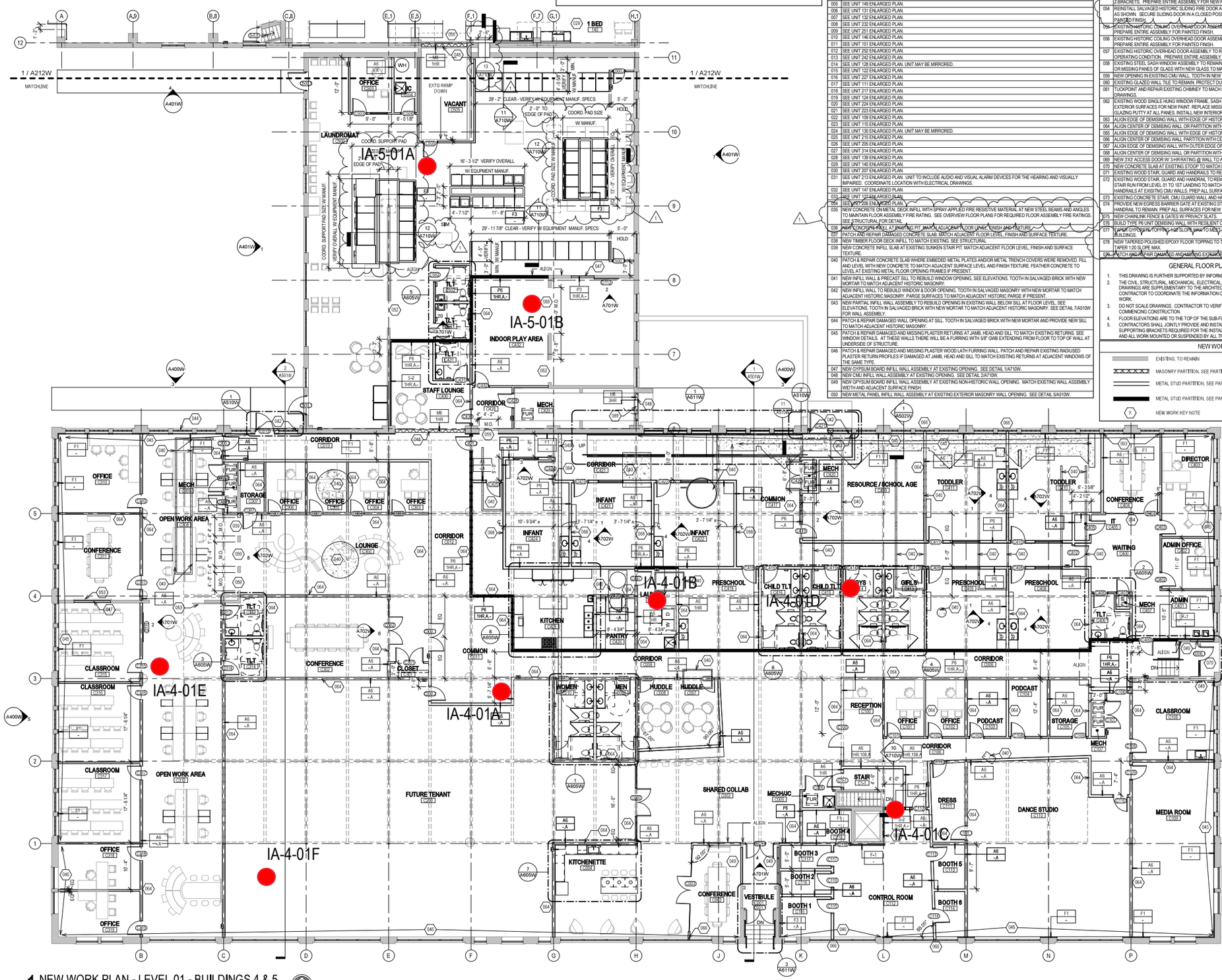
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202
CONSULTANTS

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
2758 N. 33RD STREET
MILWAUKEE, WI 53210

SHEET TITLE: NEW WORK PLAN - LEVEL 01 - OVERVIEW ALL BUILDINGS

REVISIONS
1 10/09/20 ADDENDUM #1

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A210W



1 NEW WORK PLAN - LEVEL 01 - BUILDINGS 4 & 5
Scale: 1/8" = 1'-0"

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

001 SEE UNIT 137 ENLARGED PLAN.
002 SEE UNIT 105 ENLARGED PLAN.
003 SEE UNIT 113 ENLARGED PLAN.
004 SEE UNIT 136 ENLARGED PLAN. UNIT MAY BE MIRRORED.
005 SEE UNIT 149 ENLARGED PLAN.
006 SEE UNIT 131 ENLARGED PLAN.
007 SEE UNIT 132 ENLARGED PLAN.
008 SEE UNIT 232 ENLARGED PLAN.
009 SEE UNIT 251 ENLARGED PLAN.
010 SEE UNIT 146 ENLARGED PLAN.
011 SEE UNIT 151 ENLARGED PLAN.
012 SEE UNIT 252 ENLARGED PLAN.
013 SEE UNIT 242 ENLARGED PLAN.
014 SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
015 SEE UNIT 122 ENLARGED PLAN.
016 SEE UNIT 227 ENLARGED PLAN.
017 SEE UNIT 111 ENLARGED PLAN.
018 SEE UNIT 217 ENLARGED PLAN.
019 SEE UNIT 124 ENLARGED PLAN.
020 SEE UNIT 224 ENLARGED PLAN.
021 SEE UNIT 223 ENLARGED PLAN.
022 SEE UNIT 109 ENLARGED PLAN.
023 SEE UNIT 115 ENLARGED PLAN.
024 SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORED.
025 SEE UNIT 215 ENLARGED PLAN.
026 SEE UNIT 205 ENLARGED PLAN.
027 SEE UNIT 314 ENLARGED PLAN.
028 SEE UNIT 139 ENLARGED PLAN.
029 SEE UNIT 140 ENLARGED PLAN.
030 SEE UNIT 207 ENLARGED PLAN.
031 SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032 SEE UNIT 147 ENLARGED PLAN.
033 SEE UNIT 1224 ENLARGED PLAN.
034 SEE UNIT 206 ENLARGED PLAN.
035 NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036 NEW CONCRETE INFILL AT EXISTING PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037 PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038 NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL
039 NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040 PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041 NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042 NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043 NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
044 PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
045 PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
046 PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047 NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048 NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049 NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050 NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051 NEW METAL PANEL WALL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 5/A510W.
052 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054 REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055 EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056 EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057 EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058 EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059 NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060 EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061 TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062 EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13A/510W.
063 ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064 ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065 ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066 ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067 ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068 ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069 NEW 3'X7' ACCESS DOOR W/ 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070 NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071 EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072 EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073 EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074 PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL, EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075 NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076 BUILD TYPE PK UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077 LAYER GYPCRETE TOPPING + SLOPE MAT TO MEET EXISTING FINISH LEVEL AT TRANSITION AREA TO STAIRS OR BETWEEN BUILDINGS.
078 NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079 PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
2. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL, AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INFORMATION CONTAINED IN ALL THE DRAWINGS BEFORE THE INSTALLATION OF ALL WORK.
3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
4. FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 –A U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 1HR - A U.N.O.
- X NEW WORK KEY NOTE

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2758 N. 33RD STREET
MILWAUKEE, WI 53210

SHEET TITLE: NEW WORK PLAN - LEVEL 01 - BUILDINGS 4 & 5

REVISIONS:
1 10/09/20 ADDENDUM #1

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A211W

ATTACHMENT B

Passive Air Sampling Test Results

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2/23/2023
Mr. Robert Reineke
K Singh & Associates
3636 N 124th St

Wauwatosa WI 53222

Project Name: CWC West Block
Project #: 40443A
Workorder #: 2302322

Dear Mr. Robert Reineke

The following report includes the data for the above referenced project for sample(s) received on 2/10/2023 at Eurofins Air Toxics LLC.

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

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

Regards,

Jade White

Project Manager

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WORK ORDER #: 2302322

Work Order Summary

CLIENT:	Mr. Robert Reineke K Singh & Associates 3636 N 124th St Wauwatosa, WI 53222	**BILL TO:**	Mr. Robert Reineke K Singh & Associates 3636 N 124th St Wauwatosa, WI 53222
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	40443A CWC West Block
DATE RECEIVED:	02/10/2023	**CONTACT:**	Jade White
DATE COMPLETED:	02/23/2023		

FRACTION #	NAME	TEST
01A	IA-4-Basement	Passive S.E. RAD130/SKC
02A	IA-4-01C	Passive S.E. RAD130/SKC
03A	IA-4-01F	Passive S.E. RAD130/SKC
04A	IA-4-01A	Passive S.E. RAD130/SKC
05A	IA-4-01E	Passive S.E. RAD130/SKC
06A	OA-4/5-Background	Passive S.E. RAD130/SKC
07A	IA-5-01A	Passive S.E. RAD130/SKC
08A	IA-5-01B	Passive S.E. RAD130/SKC
09A	IA-4-01B	Passive S.E. RAD130/SKC
10A	IA-4-01D	Passive S.E. RAD130/SKC
11A	Lab Blank	Passive S.E. RAD130/SKC
12A	CCV	Passive S.E. RAD130/SKC
13A	LCS	Passive S.E. RAD130/SKC
13AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes DATE: 02/23/23

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-017, Effective date: 10/18/2022, Expiration date: 10/17/2023.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
K Singh & Associates
Workorder# 2302322

Ten Radiello 130 (Solvent) samples were received on February 10, 2023. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

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

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

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

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

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

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 10082 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

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

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

Client Sample ID: IA-4-Basement

Lab ID#: 2302322-01A

No Detections Were Found.

Client Sample ID: IA-4-01C

Lab ID#: 2302322-02A

No Detections Were Found.

Client Sample ID: IA-4-01F

Lab ID#: 2302322-03A

No Detections Were Found.

Client Sample ID: IA-4-01A

Lab ID#: 2302322-04A

No Detections Were Found.

Client Sample ID: IA-4-01E

Lab ID#: 2302322-05A

No Detections Were Found.

Client Sample ID: OA-4/5-Background

Lab ID#: 2302322-06A

No Detections Were Found.

Client Sample ID: IA-5-01A

Lab ID#: 2302322-07A

No Detections Were Found.

Client Sample ID: IA-5-01B

Lab ID#: 2302322-08A

No Detections Were Found.

Client Sample ID: IA-4-01B

Lab ID#: 2302322-09A

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

Client Sample ID: IA-4-01B

Lab ID#: 2302322-09A

No Detections Were Found.

Client Sample ID: IA-4-01D

Lab ID#: 2302322-10A

No Detections Were Found.

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Client Sample ID: IA-4-Basement

Lab ID#: 2302322-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022130sim**	**Date of Collection: 2/6/23 1:27:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 07:44 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10032 minutes.
Container Type: Radiello 130 (Solvent)

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

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Client Sample ID: IA-4-01C

Lab ID#: 2302322-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022131sim**	**Date of Collection: 2/6/23 2:07:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 08:11 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10082 minutes.
Container Type: Radiello 130 (Solvent)

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

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Client Sample ID: IA-4-01F

Lab ID#: 2302322-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022132sim**	**Date of Collection: 2/6/23 1:34:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 08:38 PM**
		Date of Extraction: 2/21/23

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10034 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-4-01A

Lab ID#: 2302322-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022133sim**	**Date of Collection: 2/6/23 1:42:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 09:05 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10037 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-4-01E

Lab ID#: 2302322-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022134sim**	**Date of Collection: 2/6/23 1:37:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 09:33 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10027 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: OA-4/5-Background

Lab ID#: 2302322-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022135sim**	**Date of Collection: 2/6/23 1:17:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 10:00 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10006 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-5-01A

Lab ID#: 2302322-07A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022136sim**	**Date of Collection: 2/6/23 2:02:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 10:27 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10042 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-5-01B

Lab ID#: 2302322-08A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022137sim**	**Date of Collection: 2/6/23 1:58:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 10:54 PM**
		Date of Extraction: 2/21/23

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10033 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-4-01B

Lab ID#: 2302322-09A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022138sim**	**Date of Collection: 2/6/23 1:50:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 11:21 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10020 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-4-01D

Lab ID#: 2302322-10A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022139sim**	**Date of Collection: 2/6/23 1:53:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 11:48 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10018 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2302322-11A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022120sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 03:10 PM**	
		Date of Extraction: 2/21/23	

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

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10082 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2302322-12A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022117sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 01:47 PM**
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	96
Tetrachloroethene	98
cis-1,2-Dichloroethene	94
trans-1,2-Dichloroethene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2302322-13A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022118sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 02:14 PM**	
		Date of Extraction: 2/21/23	

Compound	%Recovery	Method Limits
Trichloroethene	91	70-130
Tetrachloroethene	92	70-130
cis-1,2-Dichloroethene	97	70-130
trans-1,2-Dichloroethene	97	70-130

Container Type: NA - Not Applicable

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

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2302322-13AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c022119sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/21/23 02:42 PM**	
		Date of Extraction: 2/21/23	

Compound	%Recovery	Method Limits
Trichloroethene	89	70-130
Tetrachloroethene	91	70-130
cis-1,2-Dichloroethene	91	70-130
trans-1,2-Dichloroethene	91	70-130

Container Type: NA - Not Applicable

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

ATTACHMENT C

Exhaust Fan Sampling Test Results

Synergy Environmental Lab, LLC.

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

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

Report Date *29-Mar-23*

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178A
Sample ID EP-1
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	33	ug/m3	0.299	0.95	1	TO-15		3/24/2023	CJR	1
Benzene	0.42 "J"	ug/m3	0.136	0.433	1	TO-15		3/24/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/24/2023	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/24/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/24/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/24/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/24/2023	CJR	1
Carbon Disulfide	0.28 "J"	ug/m3	0.138	0.44	1	TO-15		3/24/2023	CJR	1
Carbon Tetrachloride	0.50 "J"	ug/m3	0.307	0.978	1	TO-15		3/24/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/24/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/24/2023	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/24/2023	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/24/2023	CJR	1
Cyclohexane	0.241 "J"	ug/m3	0.212	0.674	1	TO-15		3/24/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/24/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/24/2023	CJR	1
Dichlorodifluoromethane	2.42	ug/m3	0.263	0.836	1	TO-15		3/24/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/24/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/24/2023	CJR	1
trans-1,2-Dichloroethene	0.36 "J"	ug/m3	0.231	0.734	1	TO-15		3/24/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178A
Sample ID EP-1
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/24/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/24/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/24/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/24/2023	CJR	1
Ethanol	7.8	ug/m3	0.152	0.482	1	TO-15		3/24/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/24/2023	CJR	1
Ethylbenzene	1.34	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
4-Ethyltoluene	0.245 "J"	ug/m3	0.214	0.681	1	TO-15		3/24/2023	CJR	1
Heptane	1.14	ug/m3	0.265	0.845	1	TO-15		3/24/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/24/2023	CJR	1
Hexane	1.23	ug/m3	0.235	0.748	1	TO-15		3/24/2023	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/24/2023	CJR	1
Isopropyl Alcohol	1.89	ug/m3	0.109	0.347	1	TO-15		3/24/2023	CJR	1
Methyl ethyl ketone (MEK)	9.0	ug/m3	0.178	0.567	1	TO-15		3/24/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/24/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/24/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/24/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/24/2023	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/24/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/24/2023	CJR	1
Styrene	0.51 "J"	ug/m3	0.181	0.577	1	TO-15		3/24/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/24/2023	CJR	1
Tetrachloroethene	2.24	ug/m3	0.278	0.884	1	TO-15		3/24/2023	CJR	1
Tetrahydrofuran	30	ug/m3	0.131	0.417	1	TO-15		3/24/2023	CJR	1
Toluene	12.3	ug/m3	0.184	0.585	1	TO-15		3/24/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/24/2023	CJR	1
1,1,1-Trichloroethane	2.17	ug/m3	0.249	0.793	1	TO-15		3/24/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/24/2023	CJR	1
Trichloroethene (TCE)	1.77	ug/m3	0.237	0.754	1	TO-15		3/24/2023	CJR	1
Trichlorofluoromethane	1.57	ug/m3	0.337	1.07	1	TO-15		3/24/2023	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/24/2023	CJR	1
1,2,4-Trimethylbenzene	0.78 "J"	ug/m3	0.283	0.899	1	TO-15		3/24/2023	CJR	1
1,3,5-Trimethylbenzene	0.245 "J"	ug/m3	0.232	0.739	1	TO-15		3/24/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/24/2023	CJR	1
m&p-Xylene	13.3	ug/m3	0.377	1.2	1	TO-15		3/24/2023	CJR	1
o-Xylene	3.3	ug/m3	0.218	0.695	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178B
Sample ID EP-2
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	25.3	ug/m3	0.299	0.95	1	TO-15		3/24/2023	CJR	1
Benzene	0.48	ug/m3	0.136	0.433	1	TO-15		3/24/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/24/2023	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/24/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/24/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/24/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/24/2023	CJR	1
Carbon Disulfide	0.249 "J"	ug/m3	0.138	0.44	1	TO-15		3/24/2023	CJR	1
Carbon Tetrachloride	0.82 "J"	ug/m3	0.307	0.978	1	TO-15		3/24/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/24/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/24/2023	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/24/2023	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/24/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/24/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/24/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/24/2023	CJR	1
Dichlorodifluoromethane	2.47	ug/m3	0.263	0.836	1	TO-15		3/24/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/24/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/24/2023	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/24/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/24/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/24/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/24/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/24/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/24/2023	CJR	1
Ethanol	2.64	ug/m3	0.152	0.482	1	TO-15		3/24/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/24/2023	CJR	1
Ethylbenzene	0.74	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
4-Ethyltoluene	0.294 "J"	ug/m3	0.214	0.681	1	TO-15		3/24/2023	CJR	1
Heptane	0.94	ug/m3	0.265	0.845	1	TO-15		3/24/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/24/2023	CJR	1
Hexane	1.48	ug/m3	0.235	0.748	1	TO-15		3/24/2023	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/24/2023	CJR	1
Isopropyl Alcohol	1.35	ug/m3	0.109	0.347	1	TO-15		3/24/2023	CJR	1
Methyl ethyl ketone (MEK)	15.2	ug/m3	0.178	0.567	1	TO-15		3/24/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/24/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/24/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/24/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178B
Sample ID EP-2
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	2.72	ug/m3	0.675	2.15	1	TO-15		3/24/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/24/2023	CJR	1
Styrene	0.47 "J"	ug/m3	0.181	0.577	1	TO-15		3/24/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/24/2023	CJR	1
Tetrachloroethene	4.4	ug/m3	0.278	0.884	1	TO-15		3/24/2023	CJR	1
Tetrahydrofuran	63	ug/m3	0.131	0.417	1	TO-15		3/24/2023	CJR	1
Toluene	15.2	ug/m3	0.184	0.585	1	TO-15		3/24/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/24/2023	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		3/24/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/24/2023	CJR	1
Trichloroethene (TCE)	4.0	ug/m3	0.237	0.754	1	TO-15		3/24/2023	CJR	1
Trichlorofluoromethane	1.46	ug/m3	0.337	1.07	1	TO-15		3/24/2023	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/24/2023	CJR	1
1,2,4-Trimethylbenzene	0.93	ug/m3	0.283	0.899	1	TO-15		3/24/2023	CJR	1
1,3,5-Trimethylbenzene	0.294 "J"	ug/m3	0.232	0.739	1	TO-15		3/24/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/24/2023	CJR	1
m&p-Xylene	4.2	ug/m3	0.377	1.2	1	TO-15		3/24/2023	CJR	1
o-Xylene	1.26	ug/m3	0.218	0.695	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178C
Sample ID EP-3
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	21.2	ug/m3	0.299	0.95	1	TO-15		3/24/2023	CJR	1
Benzene	0.255 "J"	ug/m3	0.136	0.433	1	TO-15		3/24/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/24/2023	CJR	1
Bromodichloromethane	3.02	ug/m3	0.374	1.19	1	TO-15		3/24/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/24/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/24/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/24/2023	CJR	1
Carbon Disulfide	0.187 "J"	ug/m3	0.138	0.44	1	TO-15		3/24/2023	CJR	1
Carbon Tetrachloride	0.50 "J"	ug/m3	0.307	0.978	1	TO-15		3/24/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/24/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/24/2023	CJR	1
Chloroform	4.7	ug/m3	0.3	0.953	1	TO-15		3/24/2023	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/24/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/24/2023	CJR	1
Dibromochloromethane	1.28	ug/m3	0.376	1.2	1	TO-15		3/24/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/24/2023	CJR	1
Dichlorodifluoromethane	2.42	ug/m3	0.263	0.836	1	TO-15		3/24/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/24/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/24/2023	CJR	1
trans-1,2-Dichloroethene	0.44 "J"	ug/m3	0.231	0.734	1	TO-15		3/24/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/24/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/24/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/24/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/24/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/24/2023	CJR	1
Ethanol	3.7	ug/m3	0.152	0.482	1	TO-15		3/24/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/24/2023	CJR	1
Ethylbenzene	0.35 "J"	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/24/2023	CJR	1
Heptane	0.33 "J"	ug/m3	0.265	0.845	1	TO-15		3/24/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/24/2023	CJR	1
Hexane	1.59	ug/m3	0.235	0.748	1	TO-15		3/24/2023	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/24/2023	CJR	1
Isopropyl Alcohol	6.8	ug/m3	0.109	0.347	1	TO-15		3/24/2023	CJR	1
Methyl ethyl ketone (MEK)	4.5	ug/m3	0.178	0.567	1	TO-15		3/24/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/24/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/24/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/24/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178C
Sample ID EP-3
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/24/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/24/2023	CJR	1
Styrene	0.298 "J"	ug/m3	0.181	0.577	1	TO-15		3/24/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/24/2023	CJR	1
Tetrachloroethene	12.5	ug/m3	0.278	0.884	1	TO-15		3/24/2023	CJR	1
Tetrahydrofuran	41	ug/m3	0.131	0.417	1	TO-15		3/24/2023	CJR	1
Toluene	0.98	ug/m3	0.184	0.585	1	TO-15		3/24/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/24/2023	CJR	1
1,1,1-Trichloroethane	19.5	ug/m3	0.249	0.793	1	TO-15		3/24/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/24/2023	CJR	1
Trichloroethene (TCE)	21.6	ug/m3	0.237	0.754	1	TO-15		3/24/2023	CJR	1
Trichlorofluoromethane	1.91	ug/m3	0.337	1.07	1	TO-15		3/24/2023	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		3/24/2023	CJR	1
1,2,4-Trimethylbenzene	0.64 "J"	ug/m3	0.283	0.899	1	TO-15		3/24/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/24/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/24/2023	CJR	1
m&p-Xylene	2.38	ug/m3	0.377	1.2	1	TO-15		3/24/2023	CJR	1
o-Xylene	0.78	ug/m3	0.218	0.695	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178D
Sample ID EP-4
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	25.4	ug/m3	0.299	0.95	1	TO-15		3/24/2023	CJR	1
Benzene	0.64	ug/m3	0.136	0.433	1	TO-15		3/24/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/24/2023	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/24/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/24/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/24/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/24/2023	CJR	1
Carbon Disulfide	0.218 "J"	ug/m3	0.138	0.44	1	TO-15		3/24/2023	CJR	1
Carbon Tetrachloride	0.44 "J"	ug/m3	0.307	0.978	1	TO-15		3/24/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/24/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/24/2023	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/24/2023	CJR	1
Chloromethane	1.3 "J"	ug/m3	0.831	2.64	1	TO-15		3/24/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/24/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/24/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/24/2023	CJR	1
Dichlorodifluoromethane	2.42	ug/m3	0.263	0.836	1	TO-15		3/24/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethene	0.95	ug/m3	0.21	0.668	1	TO-15		3/24/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/24/2023	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/24/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/24/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/24/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/24/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/24/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/24/2023	CJR	1
Ethanol	7.7	ug/m3	0.152	0.482	1	TO-15		3/24/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/24/2023	CJR	1
Ethylbenzene	0.217 "J"	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/24/2023	CJR	1
Heptane	< 0.265	ug/m3	0.265	0.845	1	TO-15		3/24/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/24/2023	CJR	1
Hexane	1.3	ug/m3	0.235	0.748	1	TO-15		3/24/2023	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/24/2023	CJR	1
Isopropyl Alcohol	2.87	ug/m3	0.109	0.347	1	TO-15		3/24/2023	CJR	1
Methyl ethyl ketone (MEK)	2.33	ug/m3	0.178	0.567	1	TO-15		3/24/2023	CJR	1
Methyl isobutyl ketone (MIBK)	0.41 "J"	ug/m3	0.168	0.536	1	TO-15		3/24/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/24/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/24/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178D
Sample ID EP-4
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/24/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/24/2023	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/24/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/24/2023	CJR	1
Tetrachloroethene	0.88 "J"	ug/m3	0.278	0.884	1	TO-15		3/24/2023	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/24/2023	CJR	1
Toluene	1.02	ug/m3	0.184	0.585	1	TO-15		3/24/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/24/2023	CJR	1
1,1,1-Trichloroethane	42	ug/m3	0.249	0.793	1	TO-15		3/24/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/24/2023	CJR	1
Trichloroethene (TCE)	0.268 "J"	ug/m3	0.237	0.754	1	TO-15		3/24/2023	CJR	1
Trichlorofluoromethane	1.4	ug/m3	0.337	1.07	1	TO-15		3/24/2023	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		3/24/2023	CJR	1
1,2,4-Trimethylbenzene	< 0.283	ug/m3	0.283	0.899	1	TO-15		3/24/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/24/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/24/2023	CJR	1
m&p-Xylene	0.61 "J"	ug/m3	0.377	1.2	1	TO-15		3/24/2023	CJR	1
o-Xylene	0.26 "J"	ug/m3	0.218	0.695	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178E
Sample ID EP-5
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	16	ug/m3	0.299	0.95	1	TO-15		3/24/2023	CJR	1
Benzene	0.287 "J"	ug/m3	0.136	0.433	1	TO-15		3/24/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/24/2023	CJR	1
Bromodichloromethane	0.54 "J"	ug/m3	0.374	1.19	1	TO-15		3/24/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/24/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/24/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/24/2023	CJR	1
Carbon Disulfide	0.218 "J"	ug/m3	0.138	0.44	1	TO-15		3/24/2023	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.307	0.978	1	TO-15		3/24/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/24/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/24/2023	CJR	1
Chloroform	0.68 "J"	ug/m3	0.3	0.953	1	TO-15		3/24/2023	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/24/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/24/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/24/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/24/2023	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		3/24/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/24/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/24/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/24/2023	CJR	1
trans-1,2-Dichloroethene	0.59 "J"	ug/m3	0.231	0.734	1	TO-15		3/24/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/24/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/24/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/24/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/24/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/24/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/24/2023	CJR	1
Ethanol	3.2	ug/m3	0.152	0.482	1	TO-15		3/24/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/24/2023	CJR	1
Ethylbenzene	0.39 "J"	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/24/2023	CJR	1
Heptane	< 0.265	ug/m3	0.265	0.845	1	TO-15		3/24/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/24/2023	CJR	1
Hexane	1.34	ug/m3	0.235	0.748	1	TO-15		3/24/2023	CJR	1
2-Hexanone	0.33 "J"	ug/m3	0.222	0.707	1	TO-15		3/24/2023	CJR	1
Isopropyl Alcohol	2.06	ug/m3	0.109	0.347	1	TO-15		3/24/2023	CJR	1
Methyl ethyl ketone (MEK)	1.12	ug/m3	0.178	0.567	1	TO-15		3/24/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/24/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/24/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/24/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178E
Sample ID EP-5
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/24/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/24/2023	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/24/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/24/2023	CJR	1
Tetrachloroethene	4.5	ug/m3	0.278	0.884	1	TO-15		3/24/2023	CJR	1
Tetrahydrofuran	2.03	ug/m3	0.131	0.417	1	TO-15		3/24/2023	CJR	1
Toluene	1.09	ug/m3	0.184	0.585	1	TO-15		3/24/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/24/2023	CJR	1
1,1,1-Trichloroethane	3.3	ug/m3	0.249	0.793	1	TO-15		3/24/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/24/2023	CJR	1
Trichloroethene (TCE)	5.1	ug/m3	0.237	0.754	1	TO-15		3/24/2023	CJR	1
Trichlorofluoromethane	1.8	ug/m3	0.337	1.07	1	TO-15		3/24/2023	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		3/24/2023	CJR	1
1,2,4-Trimethylbenzene	0.34 "J"	ug/m3	0.283	0.899	1	TO-15		3/24/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/24/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/24/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/24/2023	CJR	1
m&p-Xylene	2.9	ug/m3	0.377	1.2	1	TO-15		3/24/2023	CJR	1
o-Xylene	0.87	ug/m3	0.218	0.695	1	TO-15		3/24/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178F
Sample ID EP-6
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	37	ug/m3	0.299	0.95	1	TO-15		3/25/2023	CJR	1
Benzene	1.09	ug/m3	0.136	0.433	1	TO-15		3/25/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/25/2023	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/25/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/25/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/25/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/25/2023	CJR	1
Carbon Disulfide	0.37 "J"	ug/m3	0.138	0.44	1	TO-15		3/25/2023	CJR	1
Carbon Tetrachloride	0.57 "J"	ug/m3	0.307	0.978	1	TO-15		3/25/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/25/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/25/2023	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/25/2023	CJR	1
Chloromethane	1.22 "J"	ug/m3	0.831	2.64	1	TO-15		3/25/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/25/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/25/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/25/2023	CJR	1
Dichlorodifluoromethane	4.4	ug/m3	0.263	0.836	1	TO-15		3/25/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethene	0.79	ug/m3	0.21	0.668	1	TO-15		3/25/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/25/2023	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/25/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/25/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/25/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/25/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/25/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/25/2023	CJR	1
Ethanol	21.3	ug/m3	0.152	0.482	1	TO-15		3/25/2023	CJR	1
Ethyl Acetate	1.91	ug/m3	0.176	0.559	1	TO-15		3/25/2023	CJR	1
Ethylbenzene	0.43 "J"	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/25/2023	CJR	1
Heptane	2.7	ug/m3	0.265	0.845	1	TO-15		3/25/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/25/2023	CJR	1
Hexane	2.04	ug/m3	0.235	0.748	1	TO-15		3/25/2023	CJR	1
2-Hexanone	0.33 "J"	ug/m3	0.222	0.707	1	TO-15		3/25/2023	CJR	1
Isopropyl Alcohol	400	ug/m3	0.109	0.347	1	TO-15		3/25/2023	CJR	10
Methyl ethyl ketone (MEK)	2.45	ug/m3	0.178	0.567	1	TO-15		3/25/2023	CJR	1
Methyl isobutyl ketone (MIBK)	0.41 "J"	ug/m3	0.168	0.536	1	TO-15		3/25/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/25/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/25/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178F
Sample ID EP-6
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/25/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/25/2023	CJR	1
Styrene	0.255 "J"	ug/m3	0.181	0.577	1	TO-15		3/25/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/25/2023	CJR	1
Tetrachloroethene	0.41 "J"	ug/m3	0.278	0.884	1	TO-15		3/25/2023	CJR	1
Tetrahydrofuran	0.83	ug/m3	0.131	0.417	1	TO-15		3/25/2023	CJR	1
Toluene	2.15	ug/m3	0.184	0.585	1	TO-15		3/25/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/25/2023	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		3/25/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/25/2023	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		3/25/2023	CJR	1
Trichlorofluoromethane	1.57	ug/m3	0.337	1.07	1	TO-15		3/25/2023	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/25/2023	CJR	1
1,2,4-Trimethylbenzene	0.74 "J"	ug/m3	0.283	0.899	1	TO-15		3/25/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/25/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/25/2023	CJR	1
m&p-Xylene	1.17 "J"	ug/m3	0.377	1.2	1	TO-15		3/25/2023	CJR	1
o-Xylene	0.65 "J"	ug/m3	0.218	0.695	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178G
Sample ID EP-7
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	29.3	ug/m3	0.299	0.95	1	TO-15		3/25/2023	CJR	1
Benzene	0.57	ug/m3	0.136	0.433	1	TO-15		3/25/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/25/2023	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/25/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/25/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/25/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/25/2023	CJR	1
Carbon Disulfide	0.311 "J"	ug/m3	0.138	0.44	1	TO-15		3/25/2023	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.307	0.978	1	TO-15		3/25/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/25/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/25/2023	CJR	1
Chloroform	0.34 "J"	ug/m3	0.3	0.953	1	TO-15		3/25/2023	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/25/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/25/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/25/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/25/2023	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		3/25/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/25/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/25/2023	CJR	1
trans-1,2-Dichloroethene	0.238 "J"	ug/m3	0.231	0.734	1	TO-15		3/25/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/25/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/25/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/25/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/25/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/25/2023	CJR	1
Ethanol	9.7	ug/m3	0.152	0.482	1	TO-15		3/25/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/25/2023	CJR	1
Ethylbenzene	0.303 "J"	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/25/2023	CJR	1
Heptane	0.57 "J"	ug/m3	0.265	0.845	1	TO-15		3/25/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/25/2023	CJR	1
Hexane	3.7	ug/m3	0.235	0.748	1	TO-15		3/25/2023	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/25/2023	CJR	1
Isopropyl Alcohol	34	ug/m3	0.109	0.347	1	TO-15		3/25/2023	CJR	1
Methyl ethyl ketone (MEK)	4.7	ug/m3	0.178	0.567	1	TO-15		3/25/2023	CJR	1
Methyl isobutyl ketone (MIBK)	0.286 "J"	ug/m3	0.168	0.536	1	TO-15		3/25/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/25/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/25/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178G
Sample ID EP-7
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/25/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/25/2023	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/25/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/25/2023	CJR	1
Tetrachloroethene	18.3	ug/m3	0.278	0.884	1	TO-15		3/25/2023	CJR	1
Tetrahydrofuran	13	ug/m3	0.131	0.417	1	TO-15		3/25/2023	CJR	1
Toluene	1.32	ug/m3	0.184	0.585	1	TO-15		3/25/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/25/2023	CJR	1
1,1,1-Trichloroethane	1.36	ug/m3	0.249	0.793	1	TO-15		3/25/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/25/2023	CJR	1
Trichloroethene (TCE)	5.6	ug/m3	0.237	0.754	1	TO-15		3/25/2023	CJR	1
Trichlorofluoromethane	2.02	ug/m3	0.337	1.07	1	TO-15		3/25/2023	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/25/2023	CJR	1
1,2,4-Trimethylbenzene	0.39 "J"	ug/m3	0.283	0.899	1	TO-15		3/25/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/25/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/25/2023	CJR	1
m&p-Xylene	1.47	ug/m3	0.377	1.2	1	TO-15		3/25/2023	CJR	1
o-Xylene	1.04	ug/m3	0.218	0.695	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178H
Sample ID EP-8
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	9.8	ug/m3	0.299	0.95	1	TO-15		3/25/2023	CJR	1
Benzene	0.73	ug/m3	0.136	0.433	1	TO-15		3/25/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/25/2023	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/25/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/25/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/25/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/25/2023	CJR	1
Carbon Disulfide	0.28 "J"	ug/m3	0.138	0.44	1	TO-15		3/25/2023	CJR	1
Carbon Tetrachloride	0.57 "J"	ug/m3	0.307	0.978	1	TO-15		3/25/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/25/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/25/2023	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/25/2023	CJR	1
Chloromethane	1.05 "J"	ug/m3	0.831	2.64	1	TO-15		3/25/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/25/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/25/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/25/2023	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		3/25/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/25/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/25/2023	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/25/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/25/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/25/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/25/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/25/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/25/2023	CJR	1
Ethanol	6.0	ug/m3	0.152	0.482	1	TO-15		3/25/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/25/2023	CJR	1
Ethylbenzene	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/25/2023	CJR	1
Heptane	< 0.265	ug/m3	0.265	0.845	1	TO-15		3/25/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/25/2023	CJR	1
Hexane	0.95	ug/m3	0.235	0.748	1	TO-15		3/25/2023	CJR	1
2-Hexanone	0.82	ug/m3	0.222	0.707	1	TO-15		3/25/2023	CJR	1
Isopropyl Alcohol	0.93	ug/m3	0.109	0.347	1	TO-15		3/25/2023	CJR	1
Methyl ethyl ketone (MEK)	0.88	ug/m3	0.178	0.567	1	TO-15		3/25/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/25/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/25/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/25/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178H
Sample ID EP-8
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/25/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/25/2023	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/25/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/25/2023	CJR	1
Tetrachloroethene	< 0.278	ug/m3	0.278	0.884	1	TO-15		3/25/2023	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/25/2023	CJR	1
Toluene	2.9	ug/m3	0.184	0.585	1	TO-15		3/25/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/25/2023	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		3/25/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/25/2023	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		3/25/2023	CJR	1
Trichlorofluoromethane	1.46	ug/m3	0.337	1.07	1	TO-15		3/25/2023	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/25/2023	CJR	1
1,2,4-Trimethylbenzene	< 0.283	ug/m3	0.283	0.899	1	TO-15		3/25/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/25/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/25/2023	CJR	1
m&p-Xylene	0.52 "J"	ug/m3	0.377	1.2	1	TO-15		3/25/2023	CJR	1
o-Xylene	< 0.218	ug/m3	0.218	0.695	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178I
Sample ID EP-9
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	18.4	ug/m3	0.299	0.95	1	TO-15		3/25/2023	CJR	1
Benzene	0.224 "J"	ug/m3	0.136	0.433	1	TO-15		3/25/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/25/2023	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/25/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/25/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/25/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/25/2023	CJR	1
Carbon Disulfide	0.44 "J"	ug/m3	0.138	0.44	1	TO-15		3/25/2023	CJR	1
Carbon Tetrachloride	0.50 "J"	ug/m3	0.307	0.978	1	TO-15		3/25/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/25/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/25/2023	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/25/2023	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/25/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/25/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/25/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/25/2023	CJR	1
Dichlorodifluoromethane	2.42	ug/m3	0.263	0.836	1	TO-15		3/25/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/25/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/25/2023	CJR	1
trans-1,2-Dichloroethene	0.36 "J"	ug/m3	0.231	0.734	1	TO-15		3/25/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/25/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/25/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/25/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/25/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/25/2023	CJR	1
Ethanol	2.19	ug/m3	0.152	0.482	1	TO-15		3/25/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/25/2023	CJR	1
Ethylbenzene	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/25/2023	CJR	1
Heptane	< 0.265	ug/m3	0.265	0.845	1	TO-15		3/25/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/25/2023	CJR	1
Hexane	0.49 "J"	ug/m3	0.235	0.748	1	TO-15		3/25/2023	CJR	1
2-Hexanone	0.78	ug/m3	0.222	0.707	1	TO-15		3/25/2023	CJR	1
Isopropyl Alcohol	0.71	ug/m3	0.109	0.347	1	TO-15		3/25/2023	CJR	1
Methyl ethyl ketone (MEK)	4.1	ug/m3	0.178	0.567	1	TO-15		3/25/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/25/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/25/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/25/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178I
Sample ID EP-9
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/25/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/25/2023	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/25/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/25/2023	CJR	1
Tetrachloroethene	2.92	ug/m3	0.278	0.884	1	TO-15		3/25/2023	CJR	1
Tetrahydrofuran	30.5	ug/m3	0.131	0.417	1	TO-15		3/25/2023	CJR	1
Toluene	2.52	ug/m3	0.184	0.585	1	TO-15		3/25/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/25/2023	CJR	1
1,1,1-Trichloroethane	1.03	ug/m3	0.249	0.793	1	TO-15		3/25/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/25/2023	CJR	1
Trichloroethene (TCE)	4.8	ug/m3	0.237	0.754	1	TO-15		3/25/2023	CJR	1
Trichlorofluoromethane	1.8	ug/m3	0.337	1.07	1	TO-15		3/25/2023	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		3/25/2023	CJR	1
1,2,4-Trimethylbenzene	< 0.283	ug/m3	0.283	0.899	1	TO-15		3/25/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/25/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/25/2023	CJR	1
m&p-Xylene	0.78 "J"	ug/m3	0.377	1.2	1	TO-15		3/25/2023	CJR	1
o-Xylene	0.39 "J"	ug/m3	0.218	0.695	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178J
Sample ID EP-10
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	8.8	ug/m3	0.299	0.95	1	TO-15		3/25/2023	CJR	1
Benzene	0.77	ug/m3	0.136	0.433	1	TO-15		3/25/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/25/2023	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/25/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/25/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/25/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/25/2023	CJR	1
Carbon Disulfide	0.187 "J"	ug/m3	0.138	0.44	1	TO-15		3/25/2023	CJR	1
Carbon Tetrachloride	0.44 "J"	ug/m3	0.307	0.978	1	TO-15		3/25/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/25/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/25/2023	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/25/2023	CJR	1
Chloromethane	1.03 "J"	ug/m3	0.831	2.64	1	TO-15		3/25/2023	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/25/2023	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/25/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/25/2023	CJR	1
Dichlorodifluoromethane	2.42	ug/m3	0.263	0.836	1	TO-15		3/25/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/25/2023	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/25/2023	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/25/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/25/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/25/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/25/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/25/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/25/2023	CJR	1
Ethanol	5.2	ug/m3	0.152	0.482	1	TO-15		3/25/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/25/2023	CJR	1
Ethylbenzene	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/25/2023	CJR	1
Heptane	0.286 "J"	ug/m3	0.265	0.845	1	TO-15		3/25/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/25/2023	CJR	1
Hexane	0.81	ug/m3	0.235	0.748	1	TO-15		3/25/2023	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/25/2023	CJR	1
Isopropyl Alcohol	0.74	ug/m3	0.109	0.347	1	TO-15		3/25/2023	CJR	1
Methyl ethyl ketone (MEK)	0.94	ug/m3	0.178	0.567	1	TO-15		3/25/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/25/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/25/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/25/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178J
Sample ID EP-10
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/25/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/25/2023	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/25/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/25/2023	CJR	1
Tetrachloroethene	< 0.278	ug/m3	0.278	0.884	1	TO-15		3/25/2023	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/25/2023	CJR	1
Toluene	2.6	ug/m3	0.184	0.585	1	TO-15		3/25/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/25/2023	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		3/25/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/25/2023	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		3/25/2023	CJR	1
Trichlorofluoromethane	1.29	ug/m3	0.337	1.07	1	TO-15		3/25/2023	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		3/25/2023	CJR	1
1,2,4-Trimethylbenzene	< 0.283	ug/m3	0.283	0.899	1	TO-15		3/25/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/25/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/25/2023	CJR	1
m&p-Xylene	0.39 "J"	ug/m3	0.377	1.2	1	TO-15		3/25/2023	CJR	1
o-Xylene	< 0.218	ug/m3	0.218	0.695	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178K
Sample ID EP-11
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	9.4	ug/m3	0.299	0.95	1	TO-15		3/25/2023	CJR	1
Benzene	0.42 "J"	ug/m3	0.136	0.433	1	TO-15		3/25/2023	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/25/2023	CJR	1
Bromodichloromethane	6.5	ug/m3	0.374	1.19	1	TO-15		3/25/2023	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/25/2023	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/25/2023	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/25/2023	CJR	1
Carbon Disulfide	0.40 "J"	ug/m3	0.138	0.44	1	TO-15		3/25/2023	CJR	1
Carbon Tetrachloride	0.57 "J"	ug/m3	0.307	0.978	1	TO-15		3/25/2023	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/25/2023	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/25/2023	CJR	1
Chloroform	10.8	ug/m3	0.3	0.953	1	TO-15		3/25/2023	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/25/2023	CJR	1
Cyclohexane	0.55 "J"	ug/m3	0.212	0.674	1	TO-15		3/25/2023	CJR	1
Dibromochloromethane	2.55	ug/m3	0.376	1.2	1	TO-15		3/25/2023	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/25/2023	CJR	1
Dichlorodifluoromethane	2.52	ug/m3	0.263	0.836	1	TO-15		3/25/2023	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/25/2023	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/25/2023	CJR	1
cis-1,2-Dichloroethene	0.52 "J"	ug/m3	0.197	0.626	1	TO-15		3/25/2023	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/25/2023	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/25/2023	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/25/2023	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/25/2023	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/25/2023	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/25/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/25/2023	CJR	1
Ethanol	2.75	ug/m3	0.152	0.482	1	TO-15		3/25/2023	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/25/2023	CJR	1
Ethylbenzene	0.48 "J"	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/25/2023	CJR	1
Heptane	0.45 "J"	ug/m3	0.265	0.845	1	TO-15		3/25/2023	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/25/2023	CJR	1
Hexane	1.73	ug/m3	0.235	0.748	1	TO-15		3/25/2023	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/25/2023	CJR	1
Isopropyl Alcohol	0.69	ug/m3	0.109	0.347	1	TO-15		3/25/2023	CJR	1
Methyl ethyl ketone (MEK)	2.09	ug/m3	0.178	0.567	1	TO-15		3/25/2023	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/25/2023	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/25/2023	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/25/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/25/2023	CJR	1

Project Name CWC-WEST BLOCK COMMISSIONING **Invoice #** E42178
Project # 40443A

Lab Code 5042178K
Sample ID EP-11
Sample Matrix Air
Sample Date 3/22/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/25/2023	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/25/2023	CJR	1
Styrene	0.89	ug/m3	0.181	0.577	1	TO-15		3/25/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/25/2023	CJR	1
Tetrachloroethene	22.3	ug/m3	0.278	0.884	1	TO-15		3/25/2023	CJR	1
Tetrahydrofuran	5.6	ug/m3	0.131	0.417	1	TO-15		3/25/2023	CJR	1
Toluene	0.83	ug/m3	0.184	0.585	1	TO-15		3/25/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/25/2023	CJR	1
1,1,1-Trichloroethane	11.9	ug/m3	0.249	0.793	1	TO-15		3/25/2023	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/25/2023	CJR	1
Trichloroethene (TCE)	37	ug/m3	0.237	0.754	1	TO-15		3/25/2023	CJR	1
Trichlorofluoromethane	1.63	ug/m3	0.337	1.07	1	TO-15		3/25/2023	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/25/2023	CJR	1
1,2,4-Trimethylbenzene	0.34 "J"	ug/m3	0.283	0.899	1	TO-15		3/25/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/25/2023	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/25/2023	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/25/2023	CJR	1
m&p-Xylene	1.73	ug/m3	0.377	1.2	1	TO-15		3/25/2023	CJR	1
o-Xylene	0.69 "J"	ug/m3	0.218	0.695	1	TO-15		3/25/2023	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.
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