

Table 2
Off-Site Soil Vapor Intrusion Investigations
Soil Vapor/Air Laboratory Analytical Results (Detections Only)
473 President Street Off-Site
NYSDEC Site No. C224220A
473 President Street, Brooklyn NY

Property 2							
Date Collected:	2/15-2/16/2023	2/15-2/16/2023	2/15-2/16/2023	2/15-2/16/2023	2/15-2/16/2023	NYSDOH May 2017 Matrix Recommendations	Final Action Recommended
Sample Locations	Basement Indoor Air Concentrations	Basement Indoor Air Concentrations	First Floor Indoor Air Concentrations	Outdoor Air Concentrations	Outdoor Air Concentrations		
Volatile Organic Compounds (µg/m3)							
1,1,2-Trichlorotrifluoroethane (Freon 113)	0.48 J	0.52 J	0.67 J	0.52 J	NP	Identify Sources and Resample/Mitigate	Mitigate
1,1-Dichloroethene	1.7	2.0	0.33	< 0.2	NP		
1,2,4-Trimethylbenzene	< 0.25	0.27	0.75	0.84	NP		
1,3,5-trimethyl-benzene	< 0.25	< 0.25	0.22 J	0.27	NP		
1,4-Dichlorobenzene	< 0.3	< 0.3	0.20 J	< 0.3	NP		
1-Ethyl-4-methyl-benzene	< 0.25	< 0.25	0.17 J	0.21 J	NP		
2-Butanone (MEK)	< 5.9	1.7 J	< 5.9	< 5.9	NP		
2-Hexanone (Methyl butyl ketone/MBK)	0.28	< 0.2	< 0.2	< 0.2	NP		
Acetone	13	< 4.8	23	22	NP		
Acrolein	1.4 J	1.4 J	1.4 J	0.86 J	NP		
Benzene	0.66	1.3	2.1	2.6	NP		
Carbon disulfide	< 1.6	1.3 J	< 1.6	< 1.6	NP		
Carbon tetrachloride	0.56	0.56	0.55	0.38	No Further Action		
Chloroethane	< 0.13	0.13	< 0.13	0.13 J	NP		
Chloroform	1.0	0.64	0.48	< 0.24	NP		
Chloromethane	0.33	0.61	1.2	1.6	NP		
cis-1,2-Dichloroethene	230	130	43	0.16 J	Mitigate		
Cyclohexane	0.50	0.51	0.59	0.84	NP		
Dichlorodifluoromethane	2.6	2.5	3.2	3.9	NP		
Ethanol	7.4	14	63	47	NP		
Ethylbenzene	< 0.22	0.30	0.83	0.99	NP		
Heptane	0.23	0.34	1.1	1.1	NP		
Isopropyl Alcohol	6.4	3.6 J	9.2	8.8	NP		
m,p-Xylene	< 0.43	0.86	2.3	2.9	NP		
Methylene chloride	3.7	< 1.7	< 1.7	< 1.7	No Further Action		
Naphthalene	< 0.26	< 0.26	0.62	0.27	NP		
o-Xylene	< 0.22	0.55	0.90	1.1	NP		
Styrene	< 0.21	< 0.21	0.26	0.16 J	NP		
Tetrachloroethene	65	38	14	2.6	Mitigate		
Tetrahydrofuran	< 1.5	0.43 J	0.45 J	0.47 J	NP		
Toluene	0.32	1.5	3.8	5.1	NP		
trans-1,2-Dichloroethene	1.4	0.86	0.33	< 0.2	NP		
Trichloroethene	900	530	170	0.55	Mitigate		
Trichlorofluoromethane	1.4	1.5	1.6	1.6	NP		
Vinyl chloride	2.5	1.5	0.59	< 0.13	Mitigate		

Legend:	
50	= Parameter requires specific action
25	= Parameter detected above the laboratory reporting limit
< 10	= Parameter not detected above the reporting limit or method detection limit (reporting limit shown)

Notes:

All concentrations in micrograms per cubic meter (µg/m³)
Recommendations based on NYSDOH Soil Vapor/Indoor Air Matrices (May 2017)
NP = Standard Not Promulgated
J = Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration
Sub-slab soil vapor samples not collected due to presence of water immediately below slab.