

Laboratory ID :
 Cannister ID :
 Date Collected :
 Location :

Analyte (Detected Analytes Bold Font)	Test Method	Units	Sub-Slab Vapor Risk Screening Level Large Industrial Building	Sub-Slab Vapor Risk Screening Level Small Commercial Building	Non-Residential Vapor Action Level Indoor Air ¹	Sub-Slab Vapor Risk Screening Level Residential Building	Residential Vapor Action Level Indoor Air ¹	23120505-001 MG-1 (30 min) 12/15/2023 09:30	24020193-001 LKA-1 (30-min) 02/02/2024 11:30	24020193-002 LKA-2 (8 hrs) 02/02/2024 11:30
			Attenuation Factor ² 0.01	Attenuation Factor ² 0.03		Attenuation Factor ² 0.03		MG-1 Sub-Slab Parking Garage	LKA-1 Sub-Slab Lime Kiln Apt #6	LKA-2 Indoor-Air (basement) Lime Kiln Apt #6
1,1,1-Trichloroethane	TO-15	µg/m³	2,200,000	730,000	22,000	170,000	5,200	< 1.9	< 1.8	< 1.6
1,1,2,2-Tetrachloroethane	TO-15	µg/m³	210	70	2.1	16	0.48	< 2.4	< 2.3	< 2.1
1,1,2-Trichloroethane	TO-15	µg/m³	88	29	0.88	7	0.21	< 1.9	< 1.8	< 1.6
1,1-Dichloroethane	TO-15	µg/m³	7,700	2,600	77	590	18	< 1.4	< 1.3	< 1.2
1,1-Dichloroethene	TO-15	µg/m³	88,000	29,000	880	7,000	210	< 1.4	< 1.3	< 1.2
1,2,4-Trichlorobenzene	TO-15	µg/m³	900	300	9	70	2.1	< 2.6	< 2.4	< 2.2
1,2,4-Trimethylbenzene	TO-15	µg/m³	26,000	8,700	260	2,100	63	< 3.7	< 3.5	< 1.5
1,2-Dibromoethane	TO-15	µg/m³	20	7	0.20	2	0.05	< 2.7	< 2.5	< 2.3
1,2-Dichlorobenzene	TO-15	µg/m³	87,600	29,200	876	6,967	209	< 2.1	< 2.0	< 1.8
1,2-Dichloroethane	TO-15	µg/m³	470	160	4.7	36	1.1	< 1.4	5.9	5.9
1,2-Dichloropropane	TO-15	µg/m³	1,800	600	18	140	4.2	< 1.6	< 1.5	< 1.4
1,3,5-Trimethylbenzene	TO-15	µg/m³	26,000	8,700	260	2,100	63	< 1.7	< 1.6	< 1.5
1,3-Butadiene	TO-15	µg/m³	410	137	4	31	0.94	< 0.77	< 0.73	< 0.67
1,3-Dichlorobenzene	TO-15	µg/m³	--	--	--	--	--	< 2.1	< 2.0	< 1.8
1,4-Dichlorobenzene	TO-15	µg/m³	1,100	367	11	85	2.6	< 2.1	< 2.0	< 1.8
1,4-Dioxane	TO-15	µg/m³	2,500	833	25	187	5.6	< 3.1	< 3.0	< 2.7
2-Butanone	TO-15	µg/m³	2,200,000	733,333	22,000	173,000	5,200	4.0	7.3	7.8
2-Hexanone	TO-15	µg/m³	13,100	4,367	131	1,043	31	< 7.1	< 6.7	< 6.2
4-Ethyltoluene	TO-15	µg/m³	--	--	--	--	--	< 1.7	< 1.6	< 1.5
4-Methyl-2-pentanone	TO-15	µg/m³	1,300,000	433,333	13,000	104,333	3,130	< 7.1	< 6.7	< 6.2
Acetone	TO-15	µg/m³	14,000,000	4,700,000	140,000	1,067,000	32,000	8100	170	170
Benzene	TO-15	µg/m³	1,600	520	16	120	3.6	9.5	8.4	8.7
Benzyl chloride	TO-15	µg/m³	300	100	3	19	0.57	< 4.5	< 4.2	< 3.9
Bromodichloromethane	TO-15	µg/m³	330	110	3	25	0.76	< 2.3	< 2.2	< 2.0
Bromoform	TO-15	µg/m³	11,100	3,700	111	867	26	< 9.0	< 8.5	< 7.8
Bromomethane	TO-15	µg/m³	2,200	733	22	173	5.2	< 3.4	< 3.2	< 2.9
Carbon disulfide	TO-15	µg/m³	310,000	103,000	3,100	24,000	730	< 1.1	< 1.0	< 0.94
Carbon tetrachloride	TO-15	µg/m³	2,000	680	20	160	4.7	< 2.2	< 2.1	< 1.9
Chlorobenzene	TO-15	µg/m³	21,900	7,300	219	1,733	52	< 1.6	< 1.5	< 1.4
Chloroethane	TO-15	µg/m³	1,750,000	583,333	17,500	139,000	4,170	< 0.92	< 0.87	< 0.80
Chloroform	TO-15	µg/m³	530	180	5	41	1.2	< 1.7	< 1.6	< 1.5
Chloromethane	TO-15	µg/m³	39,000	13,000	390	3,100	94	< 1.8	1.9	1.9
cis-1,2-Dichloroethene	TO-15	µg/m³	--	5,800	180	1,400	42	< 1.4	< 1.3	< 1.2
cis-1,3-Dichloropropene	TO-15	µg/m³	--	--	--	--	--	< 1.6	< 1.5	< 1.4
Cyclohexane	TO-15	µg/m³	2,600,000	858,000	26,000	210,000	6,300	2.6	3.1	3.0
Dibromochloromethane	TO-15	µg/m³	--	--	--	--	--	< 3.0	< 2.8	< 2.6
Dichlorodifluoromethane	TO-15	µg/m³	44,000	15,000	440	3,500	100	2.5	2.8	2.8
Ethyl acetate	TO-15	µg/m³	31,000	10,333	310	2,433	73	< 3.1	19	19
Ethylbenzene	TO-15	µg/m³	4900	1600	49	367	11	280	3.6	3.8
Freon-113	TO-15	µg/m³	2190000	730,000	21,900	174,000	5,210	< 2.7	< 2.5	< 2.3
Freon-114	TO-15	µg/m³	2190000	730,000	21,900	174,000	5,210	< 12	< 11	< 11
Heptane	TO-15	µg/m³	180,000	60,000	1,800	14,000	420	3.4	4.1	3.8
Hexachlorobutadiene	TO-15	µg/m³	600	200	6	43	1.3	< 3.7	< 3.5	< 3.2
Hexane	TO-15	µg/m³	310,000	103,000	3,100	24,000	730	7.4	9.9	9.9
Isopropyl Alcohol	TO-15	µg/m³	87,600	29,200	876	6,700	209	< 4.3	110	120
m,p-Xylene	TO-15	µg/m³	44,000	15,000	440	3,300	100	1000	11	12
Methyl tert-butyl ether	TO-15	µg/m³	47,000	16,000	470	3,700	110	< 1.3	< 1.2	< 1.1
Methylene chloride	TO-15	µg/m³	260,000	88,000	2,600	21,000	630	< 12	< 11	< 10
Naphthalene	TO-15	µg/m³	360	120	3.6	28	0.83	< 1.8	3.3	2.4
o-Xylene	TO-15	µg/m³	44,000	15,000	440	3,300	100	320	4.1	4.0
Propene	TO-15	µg/m³	1,300,000	433,000	13,000	103,000	3,100	16	< 5.6	< 5.2
Styrene	TO-15	µg/m³	440,000	147,000	4,400	37,000	1,100	< 1.5	< 1.4	< 1.3
Tetrachloroethene	TO-15	µg/m³	18,000	5,800	180	1,400	42	< 2.4	< 2.2	< 2.0
Tetrahydrofuran	TO-15	µg/m³	876,000	292,000	8,760	70,000	2,100	< 2.6	< 2.4	< 2.2
Toluene	TO-15	µg/m³	2,200,000	730,000	22,000	170,000	5,200	31	19	19
trans-1,2-Dichloroethene	TO-15	µg/m³	18,000	5,800	180	1,400	42	< 1.4	< 1.3	< 1.2
trans-1,3-Dichloropropene	TO-15	µg/m³	--	--	--	--	--	< 1.6	< 1.5	< 1.4
Trichloroethene	TO-15	µg/m³	880	290	8.8	70	2.1	< 1.9	< 1.8	< 1.6
Trichlorofluoromethane	TO-15	µg/m³	--	--	--	--	--	< 2.0	< 1.8	< 1.7
Vinyl acetate	TO-15	µg/m³	88,000	29,000	880	7,000	210	< 12	< 12	< 11
Vinyl chloride	TO-15	µg/m³	2,800	930	28	56	1.7	< 0.89	< 0.84	< 0.77
Xylenes, Total	TO-15	µg/m³	44,000	15,000	440	3,300	100	1300	16	16

Notes:

-- : No toxicity data available - Detectable Concentration

Results are shown in ug/m3 = micrograms per cubic meter

⁽¹⁾ Vapor Action Levels (VAL) are based on a hazard index of 1 or a life-time excess cancer risk of 10⁻⁵, per WDNR Pub-RR-800 .

WDNR Quick-Look-up Table December 2022, from the EPA RSL calculator, updated November 2022

BOLD: Exceeds Vapor Action Level for Small Commercial Buildings

BOLD Italics: Exceeds Vapor Action Level for Residential Buildings

⁽²⁾ Attenuation factor of 0.03 to 0.01 are applied based on sample type (shallow soil gas samples) and structure type, per WDNR Pub-RR-800.