

From: Mark Davidson <mdavidson@msa-ps.com>
Sent: Friday, August 20, 2021 10:25 AM
To: Neitzel, Grant D - DNR
Subject: FW: Pace Analytical National Level II Report for 17711000 902-904 Belknap Street L1390795
Attachments: 17711000 2021 Sub Slab Results Table.pdf

Sub-Slab Vapor Sampling Results
902-904 Belknap Street, Superior, Wisconsin

Compound/Parameter	CAS No.	Residential		Small Commercial		Sample Identifier and Date Collected			
		Wisconsin Indoor Air VAL	Wisconsin Subslab Vapor VRSL	Wisconsin Indoor Air VAL	Wisconsin Subslab VRSL	Sub-Slab Samples			
						SS-1	SS-2	SS-3	SS-4
						08/11/21	08/11/21	08/11/21	08/11/21
Result	Result	Result	Result						
Wisconsin Quick Look Up Compounds									
Benzene	71-43-2	3.6	120	16	530	1.56	3.42	<0.760	<15.2
Carbon tetrachloride	56-23-5	4.7	160	20	670	<1.54	<1.54	<1.54	<30.7
Chloroform	67-66-3	1.2	40	5.3	180	25.6	4.92	39.1	<23.2
Chloromethane	74-87-3	94	3,100	390	13,000	<0.708	<0.708	<0.708	<14.2
Dichlorodifluoromethane	75-71-8	100	3,300	440	15,000	3.42	2.27	3.69	<45.2
1,1-Dichloroethane (1,1 DCA)	75-34-3	18	600	77	2,600	<0.966	<0.966	<0.966	<19.4
1,2-Dichloroethane (1,2 DCA)	107-06-2	1.1	37.0	4.7	160	<0.943	<0.943	<0.943	<18.9
1,1-Dichloroethene (1,1 DCE)	75-35-4	210	7,000	880	29,000	1.47	90.8	2.15	<20.1
cis-1,2-Dichloroethene	156-59-2	NA	NA	NA	NA	908	21,400	1,350	34.9
trans-1,2-Dichloroethene	156-60-5	NA	NA	NA	NA	1.15	351	7.77	<22.1
Ethylbenzene	100-41-4	11.0	370	49.0	1,600	<1.21	<1.21	<1.21	<24.1
Methylene chloride (Dichloromethane)	75-09-2	630	21,000	2,600	87,000	<1.13	1.97	<1.13	<22.7
Methyl-tert-butyl ether (Isopropyl ether or MTBE)	1634-04-4	110	3,700	470	16,000	<0.778	<0.778	<0.778	<15.5
Naphthalene	91-20-3	0.83	28	3.6	120	<6.13	<6.13	<6.13	<122
Tetrachloroethene (PCE)	127-18-4	42	1,400	180	6,000	13,600	61,900	5,980	383
Toluene	108-88-3	5,200	170,000	22,000	730,000	<1.09	1.30	<1.09	23.7
1,1,1-Trichloroethane (1,1,1 TCA)	71-55-6	5,200	170,000	22,000	730,000	<1.33	<1.33	<1.33	<26.7
Trichloroethene (TCE)	79-01-6	2.1	70	8.8	290	1,900	7,820	1,310	54.1
Trichlorofluoromethane	75-69-4	NA	NA	NA	NA	<1.53	1.85	<1.53	<30.7
1,2,4-Trimethylbenzene	95-63-6	63	2,100	260	8,700	<1.25	<1.25	<1.25	<25.0
1,3,5-Trimethylbenzene	108-67-8	63	2,100	260	8,700	<1.28	<1.28	<1.28	<25.5
Vinyl chloride	75-01-4	1.7	57	28	930	<0.808	28.1	6.31	<16.2
Total Xylenes	179601-23-1	100	3,300	440	15,000	<3.15	<3.15	<3.15	<63
Detected Compounds									
1,1-Difluoroethane	75-37-6	42,000	1,400,000	180,000	6,000,000	<1.16	1,850	44.8	321
1,2,3-Trimethylbenzene	526-73-8	63	2,100	260	8,700	<1.32	<1.32	<1.32	<26.4
2,2,4-Trimethylpentane	540-84-1	NE	NE	NE	NE	<2.07	<2.07	<2.07	<41.4
2-Butanone (MEK)	78-93-3	5,200	170,000	22,000	730,000	<0.799	<0.799	<0.799	<16.0
Bromodichloromethane	75-27-4	0.76	25	3.3	110	2.56	<1.57	4.33	<31.3
2-Propanol	67-63-0	NE	NE	NE	NE	<2.16	<2.16	<2.16	<43.3
4-Ethyltoluene	622-96-8	NE	NE	NE	NE	<1.28	<1.28	<1.28	<25.7
4-Methyl-Pentanone (MIBK)	108-10-1	3,100	100,000	13,000	430,000	<1.04	<1.04	<1.04	<20.9
Acetone	67-64-1	32,000	1,100,000	140,000	4,700,000	12.0	55.4	34.5	104
Carbon Disulfide	75-15-0	730	24,000	3,100	100,000	<1.06	1.31	<1.06	<21.2
Chlorodifluoromethane	75-45-6	52,000	1,700,000	220,000	7,000,000	<1.55	<1.55	<1.55	54.5
Chloroethane	75-00-3	NE	NE	NE	NE	<0.876	<0.876	<0.876	<17.5
Cyclohexane	110-82-7	6,300	210,000	26,000	870,000	<0.864	<0.864	<0.864	<17.3
Ethanol	64-17-5	NE	NE	NE	NE	6.09	27.9	8.15	68.1
Ethyl Acetate	141-78-6	73	2,400	310	10,000	<1.20	<1.20	<1.20	<24.0
Heptane	142-82-5	420	14,000	1,800	60,000	<1.42	<1.42	<1.42	<28.3
Isopropylbenzene (Cumene)	98-82-8	420	14,000	1,800	60,000	<1.27	<1.27	<1.27	<25.4
Methyl Cyclohexane	108-87-2	NE	NE	NE	NE	<1.09	<1.09	<1.09	<21.8
Methyl Methacrylate	80-62-6	730	24,000	3,100	100,000	<1.20	<1.20	<1.20	<23.9
N-Hexane	110-54-3	730	24,000	3,100	100,000	<2.42	<2.42	<2.42	<48.3
Styrene	100-42-5	1,000	33,000	4,400	150,000	<1.12	<1.12	<1.12	<22.4
Tetrahydrofuran	109-99-9	NE	NE	NE	NE	<0.722	<0.722	<0.722	<14.4
GRO (TPH (GC/MS) Low Fraction)		NE	NE	NE	NE	4,790	9,010	5,370	<10,900

Notes:

Wisconsin Quick Look UP and Detected Compounds Only

Based on May 2018 US EPA Regional Screening Levels

Bold = Detected Concentration

Exceedance

EPA = Environmental Protection Agency

VAL = Vapor Action Level

VRSL = Vapor Risk Screening Level

NE = Vapor Action Level determined by 2017 EPA Vapor Risk Calculator Spreadsheet

<0.02 = Not Detected above laboratory reporting limits

-- = Not Analyzed

^a = Exceedance calculated using 2017 EPA Vapor Risk Calculator Spreadsheet

All measurements in ug/m³

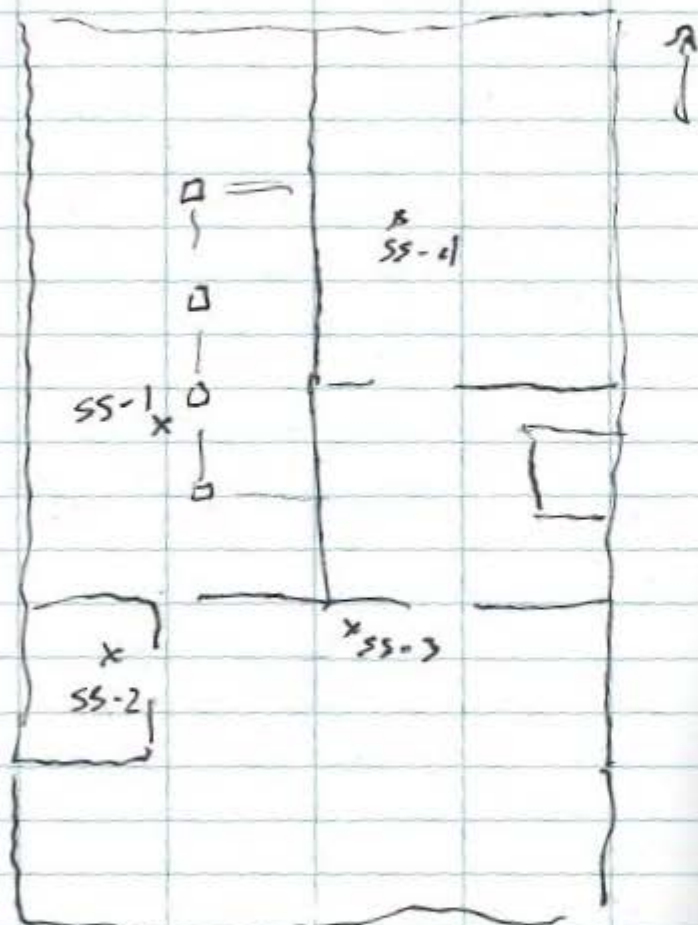
8/11/21

902 Billerup

Sunday 78

1020

ms. k



1330 - Begin sampling SS-1

summa 012280

value 11369

initial pressure -28

end pressure -6

1405 Finish SS-1

PID:

1340 Begin sampling SS-2

summa 10424

value 9078

initial pressure -30

end pressure -5

PID:

1411 - finish sampling

Begin sampling SS-3

1415

summa 12203

value 9078

initial pressure -30

end pressure -7

1445 - finish sampling