





HAMN - VOC Report

**Station** : 29180  
**Location** : Burlington St / Gage Ave, Hamilton  
**Reporting Period** : 01 January, 2021 to 30 September, 2021

**Sample Matrix** : SUMMA Canisters  
**Method** : GC/MS (TO15A)  
**Valid Samples - No. / %** : 22 / 100%

Parameter	AAQC	URT	RDL									Ave	Max	Min	Samples > AAQC	Samples > URT		
	24 Hr	24 Hr		09-Jul-21	21-Jul-21	02-Aug-21	14-Aug-21	26-Aug-21	07-Sep-21	19-Sep-21	01-Oct-21						13-Oct-21	25-Oct-21
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>									µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	No.	No.		
2,2,4-Trimethylpentane	x	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	x	x
Carbon Disulfide	330	x	1.56	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	3.09	1.11	3.09	0.78	0	x	
Propene	4000	x	0.516	0.600	0.431	0.431	0.431	1.035	0.775	0.431		0.590	1.035	0.431	0	x		
Vinyl Acetate	x	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352		0.352	0.352	0.352	x	x		
Dichlorodifluoromethane	500000	x	0.989	3.63	3.06	3.00	2.95	3.00	2.71	3.05		3.06	3.63	2.71	0	x		
Vinyl Chloride	1	100	0.0511	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256		0.0256	0.0256	0.0256	0	0		
1,2-Dichlorotetrafluoroethane	700000	x	1.19	0.595	0.595	0.595	0.595	0.595	0.595	0.595		0.595	0.595	0.595	0	x		
1,3-Butadiene	10	300	1.11	0.555	0.555	0.555	0.555	0.555	0.555	0.555		0.555	0.555	0.555	0	0		
Chloromethane	320	x	0.620	0.889	1.080	0.964	0.909	1.300	1.100	1.110		1.050	1.300	0.889	0	x		
Trichlorotrifluoroethane	800000	x	1.15	0.575	0.575	0.575	0.575	0.575	0.575	0.575		0.575	0.575	0.575	0	x		
Vinyl Bromide	x	x	0.875	0.4375	0.4375	0.4375	0.4375	0.4375	0.4375	0.4375		0.4375	0.4375	0.4375	x	x		
Chloroethane	5600	25000	0.792	0.396	0.396	0.396	0.396	0.396	0.396	0.396		0.396	0.396	0.396	0	0		
Chloroform	1	100	0.195	0.2060	0.0975	0.1220	0.0975	0.0975	0.0975	0.0975		0.1165	0.2060	0.0975	0	0		
1,2-Dichloroethane	2	x	0.0405	0.086	0.068	0.101	0.074	0.284	0.055	0.0585		0.105	0.284	0.059	0	x		
Carbon Tetrachloride	2.4	24	0.31	0.950	0.823	0.790	0.782	0.800	0.168	0.758		0.723	0.950	0.158	0	0		
Trichlorofluoromethane	6000	x	1.12	2.64	1.97	1.82	1.90	1.85	1.70	1.63		1.93	2.64	1.63	0	x		
Benzene	2.3	100	0.16	0.78	0.69	0.60	0.68	0.86	0.93	1.17		0.81	1.17	0.60	0	0		
Ethanol	19000	x	1.88	62.90	10.70	163.00	131.00	139.00	63.70	58.40		89.814	163.000	10.700	0	x		
Trichloroethylene	12	1200	0.269	0.135	0.135	0.135	2.250	0.135	0.135	0.135		0.437	2.250	0.135	0	0		
2-propanol	7300	x	2.46	1.230	1.230	1.230	1.230	2.810	1.230	1.230		1.456	2.810	1.230	0	x		
Bromodichloromethane	x	x	1.34	0.670	0.670	0.670	0.670	0.670	0.670	0.670		0.670	0.670	0.670	x	x		
2-Propanone	11880	x	0.475	9.24	8.11	7.31	6.42	10.90	11.60	7.68		8.75	11.60	6.42	0	x		
cis-1,3-Dichloropropene	x	x	0.227	0.1135	0.1135	0.1135	0.1135	0.1135	0.1135	0.1135		0.1135	0.1135	0.1135	x	x		
Methyl Ethyl Ketone	1000	10000	0.295	2.740	1.810	1.270	0.515	3.220	2.470	1.475		1.929	3.220	0.515	0	0		
trans-1,3-Dichloropropene	x	x	0.227	0.1135	0.1135	0.1135	0.1135	0.1135	0.1135	0.1135		0.1135	0.1135	0.1135	x	x		
1,1,2-Trichloroethane	x	x	0.0655	0.0328	0.0328	0.1365	0.0328	0.0328	0.0328	0.0328		0.0476	0.1365	0.0328	x	x		
Methyl Isobutyl Ketone	1200	x	0.410	0.205	0.205	0.205	0.205	0.205	0.205	0.205		0.205	0.205	0.205	0	x		
Dibromochloromethane	x	x	1.70	0.850	0.850	0.850	0.850	0.850	0.850	0.850		0.850	0.850	0.850	x	x		
Methyl Butyl Ketone	x	x	4.10	2.050	2.050	2.050	2.050	2.050	2.050	2.050		2.050	2.050	2.050	x	x		
Ethylene Dibromide	3	x	0.0768	0.038	0.038	0.077	0.038	0.038	0.038	0.038		0.044	0.077	0.038	0	x		
Methyl t-butyl ether (MTBE)	7000	x	0.361	0.1805	0.1805	0.1805	0.1805	0.1805	0.1805	0.1805		0.1805	0.1805	0.1805	0	x		
1,1,2,2-Tetrachloroethane	x	x	0.0185	0.0093	0.0093	0.1715	0.0093	0.0093	0.0093	0.0093		0.0324	0.1715	0.0093	x	x		
Ethyl Acetate	x	x	3.60	1.800	1.800	1.800	1.800	1.800	1.800	1.800		1.800	1.800	1.800	x	x		
1,1-Dichloroethylene	10	x	0.198	0.0990	0.0990	0.0990	0.0990	0.0990	0.0990	0.0990		0.0990	0.0990	0.0990	0	x		
Benzyl chloride	x	x	2.59	1.295	1.295	1.295	1.295	1.295	1.295	1.295		1.295	1.295	1.295	x	x		
cis-1,2-Dichloroethylene	105	x	0.198	0.0990	0.0990	0.0990	0.0990	0.0990	0.0990	0.0990		0.0990	0.0990	0.0990	0	x		
Hexachlorobutadiene	x	x	0.0501	0.0251	0.0251	0.2665	0.0251	0.0251	0.0251	0.0251		0.0595	0.2665	0.0251	x	x		
trans-1,2-Dichloroethylene	105	x	0.396	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980		0.1980	0.1980	0.1980	0	x		
Methylene Chloride	220	22000	2.78	0.825	0.592	0.867	0.914	1.450	2.440	0.762		1.121	2.440	0.592	0	0		
1,1-Dichloroethane	165	1650	0.202	0.1010	0.1010	0.1010	0.1010	0.1010	0.1010	0.1010		0.1010	0.1010	0.1010	0	0		
1,1,1-Trichloroethane	115000	x	0.273	0.1365	0.1365	0.1365	0.1365	0.1365	0.1365	0.1365		0.1365	0.1365	0.1365	0	x		
1,2-Dichloropropane	2400	x	0.231	0.1155	0.1155	0.1155	0.1155	0.1155	0.1155	0.1155		0.1155	0.1155	0.1155	0	x		
Bromomethane	1350	x	0.194	0.097	0.097	0.097	0.097	0.097	0.097	0.097		0.097	0.097	0.097	0	x		
Bromoform	55	x	1.03	0.515	0.515	0.515	0.515	0.515	0.515	0.515		0.515	0.515	0.515	0	x		
Heptane	11000	x	1.23	0.615	0.615	0.615	0.615	0.615	0.615	0.615		0.615	0.615	0.615	0	x		
Tetrachloroethylene	360	x	0.339	0.1695	0.1695	0.1695	2.5600	0.1695	0.1695	0.1695		0.5110	2.5600	0.1695	0	x		
Toluene	2000	x	0.188	2.3500	1.6000	1.3600	1.7500	3.6100	3.7000	2.0300		2.3429	3.7000	1.3600	0	x		
Ethylbenzene	1000	10000	0.217	0.558	0.308	0.229	0.457	0.627	0.886	0.405		0.496	0.886	0.229	0	0		
p+m-Xylene	730	x	0.434	1.810	1.090	0.727	1.490	2.010	2.870	1.260		1.608	2.870	0.727	0	x		
o-Xylene	730	x	0.217	0.654	0.380	0.276	0.484	0.709	0.905	0.473		0.554	0.905	0.276	0	x		
Styrene	400	x	0.213	0.1065	0.3770	0.1065	0.1065	0.1065	2.0000	0.1065		0.4156	2.0000	0.1065	0	x		
1,3,5-Trimethylbenzene	220	2200	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23		1.23	1.23	1.23	0	0		
1,2,4-Trimethylbenzene	220	2200	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23		1.23	1.23	1.23	0	0		
4-ethyltoluene	x	x	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23		1.23	1.23	1.23	x	x		
Chlorobenzene	x	x	0.230	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150		0.1150	0.1150	0.1150	x	x		
1,3-Dichlorobenzene	x	x	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20		1.20	1.20	1.20	x	x		
1,4-Dichlorobenzene	95	x	0.301	0.1505	0.1505	0.1505	0.1505	0.1505	0.1505	0.1505		0.1505	0.1505	0.1505	0	x		
1,2-Dichlorobenzene	x	x	0.301	0.1505	0.1505	0.1505	0.1505	0.1505	0.1505	0.1505		0.1505	0.1505	0.1505	0	x		
1,2,4-Trichlorobenzene	400	x	0.742	0.371	0.371	0.371	0.371	0.371	0.371	0.371		0.371	0.371	0.371	0	x		
Hexane	2500	25000	0.352	2.610	1.300	2.780	7.850	1.760	3.060	1.240		2.943	7.850	1.240	0	0		
Cyclohexane	6100	61000	0.688	0.344	0.344	0.344	0.344	0.344	0.344	0.344		0.344	0.344	0.344	0	0		
Tetrahydrofuran	93000	x	1.18	0.59	0.59	0.59	0.59	0.59	0.59	0.59		0.59	0.59	0.59	0	x		
1,4-Dioxane	3500	x	3.60	1.800	1.800	1.800	1.800	1.800	1.800	1.800		1.800	1.800	1.800	0	x		
Xylene (Total)	730	7300	0.651	2.460	1.470	1.000	1.980	2.720	1.800	1.740		1.850	2.720	1.000	0	0		
Naphthalene	22.5	x	0.524	0.262	0.262	0.262	0.262	0.262	0.262	0.262		0.262	0.262	0.262	0	x		
1,1,1,2-Tetrachloroethane	x	x	0.144	0.072	0.072	0.072	0.072	0.072	0.072	0.072		0.072	0.072	0.072	x	x		

**Note 1:** All non detectable results are reported as ½ the detection limit.

**Note 2:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MECP ½ detection limit reporting requirement.