

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090425\
 Data File : VD080510.D
 Acq On : 04 Sep 2025 12:17
 Operator : RP/MD
 Sample : Q2893-01
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 05 03:52:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 05 03:51:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.876	168	378750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	697232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	659445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	335973	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	209800	49.098	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.200%
35) Dibromofluoromethane	7.805	113	211926	45.932	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.860%
50) Toluene-d8	10.270	98	817376	44.878	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.760%
62) 4-Bromofluorobenzene	12.570	95	288542	48.644	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.280%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.935	85	12277	3.807	ug/l	97
3) Chloromethane	2.153	50	19651	3.860	ug/l	96
4) Vinyl Chloride	2.288	62	19027	3.622	ug/l	93
5) Bromomethane	2.694	94	14014	4.747	ug/l	98
6) Chloroethane	2.841	64	15549	4.534	ug/l	100
7) Trichlorofluoromethane	3.170	101	23073	3.771	ug/l	97
8) Diethyl Ether	3.600	74	8933	3.684	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.976	101	15788	3.977	ug/l	98
10) Methyl Iodide	4.164	142	12940	2.823	ug/l	98
11) Tert butyl alcohol	5.059	59	7364m	23.814	ug/l	
12) 1,1-Dichloroethene	3.941	96	15484	3.744	ug/l	92
13) Acrolein	3.794	56	509m	1.549	ug/l	
14) Allyl chloride	4.564	41	24721	3.444	ug/l	99
15) Acrylonitrile	5.258	53	19924	18.452	ug/l	97
16) Acetone	4.029	43	27251	27.241	ug/l	99
17) Carbon Disulfide	4.270	76	43275	3.094	ug/l	99
18) Methyl Acetate	4.564	43	14882	5.286	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	39460	3.636	ug/l	92
20) Methylene Chloride	4.806	84	26932	4.901	ug/l	93
21) trans-1,2-Dichloroethene	5.311	96	16289	3.440	ug/l	96
22) Diisopropyl ether	6.223	45	53458	3.619	ug/l	98
23) Vinyl Acetate	6.153	43	135502	16.118	ug/l	98
24) 1,1-Dichloroethane	6.111	63	30698	3.590	ug/l	98
25) 2-Butanone	7.088	43	32034	22.615	ug/l	93
26) 2,2-Dichloropropane	7.082	77	25988	3.838	ug/l	96
27) cis-1,2-Dichloroethene	7.088	96	20485	3.625	ug/l	96
28) Bromochloromethane	7.429	49	12996	3.729	ug/l #	97
29) Tetrahydrofuran	7.452	42	17369	19.404	ug/l	99
30) Chloroform	7.600	83	30780	3.764	ug/l	94
31) Cyclohexane	7.876	56	34907	4.361	ug/l #	76
32) 1,1,1-Trichloroethane	7.794	97	25559	3.754	ug/l	97
36) 1,1-Dichloropropene	8.011	75	21287	3.484	ug/l	97
37) Ethyl Acetate	7.170	43	10680	3.635	ug/l	99
38) Carbon Tetrachloride	7.994	117	21632	3.720	ug/l #	80
39) Methylcyclohexane	9.276	83	29856	3.671	ug/l	87
40) Benzene	8.252	78	70258	3.613	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	7009	4.018	ug/l	96
42) 1,2-Dichloroethane	8.329	62	17392	3.693	ug/l	97
43) Isopropyl Acetate	8.358	43	21820	3.650	ug/l	97
44) Trichloroethene	9.029	130	16887	3.580	ug/l	96
45) 1,2-Dichloropropane	9.305	63	16624	3.447	ug/l	93
46) Dibromomethane	9.394	93	9104	3.524	ug/l	93
47) Bromodichloromethane	9.582	83	23095	3.667	ug/l #	98
48) Methyl methacrylate	9.382	41	10549	3.560	ug/l	96
49) 1,4-Dioxane	9.382	88	2786	87.224	ug/l #	88
51) 4-Methyl-2-Pentanone	10.158	43	56612	18.989	ug/l	100
52) Toluene	10.335	92	43512	3.588	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	22512	3.507	ug/l	95
54) cis-1,3-Dichloropropene	10.017	75	27128	3.534	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	13391	3.866	ug/l	95
56) Ethyl methacrylate	10.594	69	18050	3.740	ug/l	98
57) 1,3-Dichloropropane	10.876	76	22220	3.655	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	33841	18.119	ug/l	99
59) 2-Hexanone	10.917	43	41769	19.718	ug/l	96
60) Dibromochloromethane	11.076	129	15977	3.660	ug/l	99
61) 1,2-Dibromoethane	11.176	107	12491	3.790	ug/l	98
64) Tetrachloroethene	10.811	164	14406	3.537	ug/l	96
65) Chlorobenzene	11.605	112	49326	3.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	16060	3.583	ug/l	96
67) Ethyl Benzene	11.682	91	83077	3.416	ug/l	98
68) m/p-Xylenes	11.788	106	62841	6.710	ug/l	99
69) o-Xylene	12.117	106	30222	3.382	ug/l	99
70) Styrene	12.135	104	51079	3.360	ug/l	99
71) Bromoform	12.299	173	9208	3.615	ug/l #	93
73) Isopropylbenzene	12.417	105	76642	3.114	ug/l	99
74) N-amyl acetate	12.229	43	21289	3.259	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	15936	3.482	ug/l	96
76) 1,2,3-Trichloropropane	12.723	75	9224m	3.364	ug/l	
77) Bromobenzene	12.699	156	18346	3.221	ug/l	97
78) n-propylbenzene	12.758	91	93587	3.131	ug/l	100
79) 2-Chlorotoluene	12.846	91	53777	3.157	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	61840	3.092	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	5535	3.064	ug/l	97
82) 4-Chlorotoluene	12.940	91	56499	3.225	ug/l	99
83) tert-Butylbenzene	13.164	119	53581	3.087	ug/l	97
84) 1,2,4-Trimethylbenzene	13.211	105	62608	3.109	ug/l	99
85) sec-Butylbenzene	13.340	105	82672	3.192	ug/l	99
86) p-Isopropyltoluene	13.458	119	67584	3.119	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	35215	3.207	ug/l	96
88) 1,4-Dichlorobenzene	13.535	146	37343	3.387	ug/l	94
89) n-Butylbenzene	13.782	91	65358	3.167	ug/l	99
90) Hexachloroethane	14.052	117	12840	3.064	ug/l	92
91) 1,2-Dichlorobenzene	13.829	146	30477	3.119	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.446	75	2461	3.583	ug/l	98
93) 1,2,4-Trichlorobenzene	15.093	180	20881	3.411	ug/l	96
94) Hexachlorobutadiene	15.199	225	9223	3.314	ug/l	99
95) Naphthalene	15.329	128	42978	3.300	ug/l	96
96) 1,2,3-Trichlorobenzene	15.517	180	17214	3.284	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

