

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090425\
 Data File : VD080508.D
 Acq On : 04 Sep 2025 11:12
 Operator : RP/MD
 Sample : VD0904SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Quant Time: Sep 05 03:44:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 28 03:02:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	384047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	688201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	606530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	285114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	204546	47.208	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.420%
35) Dibromofluoromethane	7.805	113	203939	48.877	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.760%
50) Toluene-d8	10.270	98	819385	49.477	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.960%
62) 4-Bromofluorobenzene	12.570	95	258602	49.605	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	71378	21.830	ug/l	98
3) Chloromethane	2.147	50	112055	21.710	ug/l	97
4) Vinyl Chloride	2.288	62	114869	21.564	ug/l	98
5) Bromomethane	2.688	94	68185	22.777	ug/l	99
6) Chloroethane	2.835	64	76345	21.957	ug/l	100
7) Trichlorofluoromethane	3.176	101	133055	21.446	ug/l	96
8) Diethyl Ether	3.594	74	49514	20.140	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.970	101	82362	20.459	ug/l	98
10) Methyl Iodide	4.165	142	85752	18.451	ug/l	98
11) Tert butyl alcohol	5.053	59	31316	99.874	ug/l	98
12) 1,1-Dichloroethene	3.947	96	85335	20.348	ug/l	98
13) Acrolein	3.794	56	31172	93.539	ug/l	96
14) Allyl chloride	4.559	41	143628	19.735	ug/l	98
15) Acrylonitrile	5.259	53	109010	99.565	ug/l	97
16) Acetone	4.023	43	98282	96.890	ug/l	100
17) Carbon Disulfide	4.270	76	284402	20.054	ug/l	98
18) Methyl Acetate	4.564	43	62006	21.721	ug/l	97
19) Methyl tert-butyl Ether	5.317	73	224696	20.416	ug/l	97
20) Methylene Chloride	4.806	84	112630	20.213	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	97436	20.294	ug/l	97
22) Diisopropyl ether	6.217	45	296790	19.813	ug/l	96
23) Vinyl Acetate	6.153	43	839743	98.513	ug/l	99
24) 1,1-Dichloroethane	6.111	63	177665	20.489	ug/l	97
25) 2-Butanone	7.082	43	143782	100.104	ug/l	98
26) 2,2-Dichloropropane	7.076	77	136934	19.945	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	116123	20.266	ug/l	99
28) Bromochloromethane	7.423	49	68739	19.452	ug/l	96
29) Tetrahydrofuran	7.447	42	90671	99.898	ug/l	99
30) Chloroform	7.600	83	172789	20.840	ug/l	99
31) Cyclohexane	7.876	56	161960	19.955	ug/l	# 94
32) 1,1,1-Trichloroethane	7.794	97	141685	20.523	ug/l	98
36) 1,1-Dichloropropene	8.011	75	123409	20.463	ug/l	100
37) Ethyl Acetate	7.170	43	61364	21.160	ug/l	96
38) Carbon Tetrachloride	7.994	117	124908	21.762	ug/l	94
39) Methylcyclohexane	9.276	83	167952	20.923	ug/l	94
40) Benzene	8.253	78	390921	20.368	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	39124	22.723	ug/l	90
42) 1,2-Dichloroethane	8.323	62	97827	21.043	ug/l	100
43) Isopropyl Acetate	8.358	43	116896	19.811	ug/l	99
44) Trichloroethene	9.029	130	97449	20.928	ug/l	93
45) 1,2-Dichloropropane	9.305	63	98756	20.747	ug/l	98
46) Dibromomethane	9.394	93	53724	21.067	ug/l	99
47) Bromodichloromethane	9.582	83	132967	21.388	ug/l	98
48) Methyl methacrylate	9.382	41	59730	20.420	ug/l	98
49) 1,4-Dioxane	9.388	88	12897	409.078	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	298671	101.497	ug/l	99
52) Toluene	10.335	92	247421	20.671	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	129227	20.396	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	152990	20.192	ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	70944	20.749	ug/l	96
56) Ethyl methacrylate	10.599	69	95448	20.036	ug/l	97
57) 1,3-Dichloropropane	10.876	76	126103	21.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	181836	98.638	ug/l	99
59) 2-Hexanone	10.917	43	205831	98.445	ug/l	98
60) Dibromochloromethane	11.070	129	90524	21.008	ug/l	99
61) 1,2-Dibromoethane	11.176	107	68203	20.964	ug/l	100
64) Tetrachloroethene	10.811	164	78919	21.069	ug/l	95
65) Chlorobenzene	11.605	112	267322	20.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	88483	21.463	ug/l	97
67) Ethyl Benzene	11.682	91	462161	20.659	ug/l	100
68) m/p-Xylenes	11.794	106	357745	41.532	ug/l	98
69) o-Xylene	12.117	106	172705	21.011	ug/l	98
70) Styrene	12.135	104	289655	20.714	ug/l	100
71) Bromoform	12.299	173	51059	21.792	ug/l #	100
73) Isopropylbenzene	12.417	105	435311	20.839	ug/l	99
74) N-amyl acetate	12.229	43	111371	20.091	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	81634	21.019	ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	47421m	20.379	ug/l	
77) Bromobenzene	12.699	156	100951	20.887	ug/l	99
78) n-propylbenzene	12.758	91	526599	20.760	ug/l	100
79) 2-Chlorotoluene	12.846	91	297311	20.569	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	350611	20.655	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	30930	20.174	ug/l	98
82) 4-Chlorotoluene	12.946	91	309508	20.818	ug/l	99
83) tert-Butylbenzene	13.164	119	302103	20.513	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	349060	20.423	ug/l	99
85) sec-Butylbenzene	13.340	105	457827	20.829	ug/l	99
86) p-Isopropyltoluene	13.458	119	378472	20.584	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	195892	21.021	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	196124	20.959	ug/l	98
89) n-Butylbenzene	13.782	91	362664	20.705	ug/l	99
90) Hexachloroethane	14.052	117	72470	20.377	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	172721	20.828	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	11897	20.413	ug/l	93
93) 1,2,4-Trichlorobenzene	15.099	180	109309	21.038	ug/l	98
94) Hexachlorobutadiene	15.199	225	50265	21.285	ug/l	98
95) Naphthalene	15.329	128	228960	20.716	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	94317	21.205	ug/l	99

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

