

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090525\
 Data File : VD080517.D
 Acq On : 05 Sep 2025 10:50
 Operator : RP/MD
 Sample : VD0905SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 03:00:31 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	347146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	604228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	523607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	251473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	169487	43.275	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.540%		
35) Dibromofluoromethane	7.805	113	174719	47.649	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.300%		
50) Toluene-d8	10.270	98	698267	47.975	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.940%		
62) 4-Bromofluorobenzene	12.570	95	219627	47.900	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	65313	22.098	ug/l	98
3) Chloromethane	2.147	50	100745	21.593	ug/l	100
4) Vinyl Chloride	2.288	62	105720	21.956	ug/l	97
5) Bromomethane	2.688	94	58096	21.469	ug/l	98
6) Chloroethane	2.835	64	70605	22.465	ug/l	96
7) Trichlorofluoromethane	3.176	101	119901	21.380	ug/l	97
8) Diethyl Ether	3.594	74	40396	18.178	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.965	101	73284	20.139	ug/l	97
10) Methyl Iodide	4.159	142	76069	18.108	ug/l	97
11) Tert butyl alcohol	5.047	59	26540	93.639	ug/l	100
12) 1,1-Dichloroethene	3.941	96	76452	20.167	ug/l	96
13) Acrolein	3.794	56	23984	79.620	ug/l	100
14) Allyl chloride	4.559	41	124284	18.892	ug/l	98
15) Acrylonitrile	5.253	53	92886	93.857	ug/l	99
16) Acetone	4.023	43	99249	108.243	ug/l	97
17) Carbon Disulfide	4.270	76	248516	19.386	ug/l	100
18) Methyl Acetate	4.564	43	48343	18.735	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	192441	19.344	ug/l	94
20) Methylene Chloride	4.806	84	91601	18.186	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	84652	19.506	ug/l	95
22) Diisopropyl ether	6.217	45	256002	18.907	ug/l	99
23) Vinyl Acetate	6.153	43	719573	93.388	ug/l	100
24) 1,1-Dichloroethane	6.117	63	150021	19.140	ug/l	96
25) 2-Butanone	7.082	43	129135	99.464	ug/l	98
26) 2,2-Dichloropropane	7.076	77	124730	20.099	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	101535	19.604	ug/l	97
28) Bromochloromethane	7.429	49	63657	19.929	ug/l	100
29) Tetrahydrofuran	7.441	42	77039	93.901	ug/l	98
30) Chloroform	7.594	83	148233	19.779	ug/l	97
31) Cyclohexane	7.876	56	142140	19.374	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	125266	20.074	ug/l	100
36) 1,1-Dichloropropene	8.011	75	109538	20.687	ug/l	100
37) Ethyl Acetate	7.170	43	49458	19.424	ug/l	99
38) Carbon Tetrachloride	7.994	117	108486	21.527	ug/l	99
39) Methylcyclohexane	9.276	83	146268	20.754	ug/l	95
40) Benzene	8.253	78	340663	20.216	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	29320	19.396	ug/l	96
42) 1,2-Dichloroethane	8.323	62	86016	21.074	ug/l	99
43) Isopropyl Acetate	8.358	43	100423	19.385	ug/l	99
44) Trichloroethene	9.029	130	85664	20.954	ug/l	100
45) 1,2-Dichloropropane	9.305	63	83391	19.954	ug/l	98
46) Dibromomethane	9.394	93	45944	20.520	ug/l	97
47) Bromodichloromethane	9.582	83	114229	20.927	ug/l	95
48) Methyl methacrylate	9.376	41	50448	19.644	ug/l	94
49) 1,4-Dioxane	9.382	88	11385	411.306	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	258395	100.014	ug/l	99
52) Toluene	10.335	92	215694	20.524	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	110739	19.907	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	130684	19.645	ug/l	95
55) 1,1,2-Trichloroethane	10.729	97	62468	20.809	ug/l	98
56) Ethyl methacrylate	10.594	69	79865	19.095	ug/l	97
57) 1,3-Dichloropropane	10.876	76	108289	20.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	158201	97.743	ug/l	100
59) 2-Hexanone	10.917	43	190341	103.688	ug/l	100
60) Dibromochloromethane	11.070	129	79555	21.029	ug/l	98
61) 1,2-Dibromoethane	11.176	107	58329	20.421	ug/l	98
64) Tetrachloroethene	10.811	164	69805	21.587	ug/l	98
65) Chlorobenzene	11.605	112	235920	21.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	79402	22.311	ug/l	94
67) Ethyl Benzene	11.682	91	407279	21.089	ug/l	99
68) m/p-Xylenes	11.788	106	311593	41.903	ug/l	99
69) o-Xylene	12.117	106	147452	20.779	ug/l	100
70) Styrene	12.135	104	251146	20.804	ug/l	100
71) Bromoform	12.293	173	43385	21.449	ug/l #	99
73) Isopropylbenzene	12.417	105	379564	20.601	ug/l	100
74) N-amyl acetate	12.229	43	96373	19.711	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	71517	20.878	ug/l	100
76) 1,2,3-Trichloropropane	12.717	75	40940m	19.947	ug/l	
77) Bromobenzene	12.699	156	86279	20.239	ug/l	99
78) n-propylbenzene	12.758	91	464642	20.768	ug/l	99
79) 2-Chlorotoluene	12.846	91	256384	20.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	312274	20.858	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	25393	18.778	ug/l	91
82) 4-Chlorotoluene	12.946	91	268118	20.446	ug/l	100
83) tert-Butylbenzene	13.164	119	274347	21.120	ug/l	98
84) 1,2,4-Trimethylbenzene	13.205	105	311788	20.683	ug/l	100
85) sec-Butylbenzene	13.340	105	409139	21.104	ug/l	99
86) p-Isopropyltoluene	13.458	119	337384	20.804	ug/l	100
87) 1,3-Dichlorobenzene	13.452	146	171500	20.865	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	173152	20.979	ug/l	98
89) n-Butylbenzene	13.782	91	322813	20.896	ug/l	99
90) Hexachloroethane	14.052	117	65388	20.845	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	150590	20.588	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	10152	19.749	ug/l	92
93) 1,2,4-Trichlorobenzene	15.093	180	96426	21.042	ug/l	97
94) Hexachlorobutadiene	15.199	225	45608	21.897	ug/l	98
95) Naphthalene	15.329	128	195969	20.103	ug/l	98
96) 1,2,3-Trichlorobenzene	15.511	180	83257	21.223	ug/l	99

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

