

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090525\
 Data File : VD080514.D
 Acq On : 05 Sep 2025 09:16
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Sep 06 02:58:23 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	364306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	636623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	548625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	261660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	178992	43.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.100%		
35) Dibromofluoromethane	7.800	113	183368	47.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.920%		
50) Toluene-d8	10.264	98	734012	47.861	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.720%		
62) 4-Bromofluorobenzene	12.570	95	228225	47.207	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	135795	43.781	ug/l	97
3) Chloromethane	2.147	50	220139	44.961	ug/l	98
4) Vinyl Chloride	2.288	62	253313	50.130	ug/l	98
5) Bromomethane	2.694	94	144743	50.970	ug/l	98
6) Chloroethane	2.841	64	168234	51.006	ug/l	99
7) Trichlorofluoromethane	3.176	101	296258	50.339	ug/l	98
8) Diethyl Ether	3.594	74	105601	45.281	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.965	101	186478	48.832	ug/l	99
10) Methyl Iodide	4.165	142	220115	49.929	ug/l	99
11) Tert butyl alcohol	5.047	59	70003	235.353	ug/l #	87
12) 1,1-Dichloroethene	3.941	96	192681	48.433	ug/l	99
13) Acrolein	3.800	56	41072	129.925	ug/l	98
14) Allyl chloride	4.559	41	314904	45.613	ug/l	98
15) Acrylonitrile	5.253	53	241655	232.679	ug/l	98
16) Acetone	4.017	43	257011	267.099	ug/l	99
17) Carbon Disulfide	4.270	76	620404	46.117	ug/l	99
18) Methyl Acetate	4.559	43	125911	46.498	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	497830	47.685	ug/l	96
20) Methylene Chloride	4.800	84	224476	42.468	ug/l	98
21) trans-1,2-Dichloroethene	5.312	96	216388	47.512	ug/l	98
22) Diisopropyl ether	6.211	45	655747	46.148	ug/l	97
23) Vinyl Acetate	6.153	43	1896921	234.592	ug/l	99
24) 1,1-Dichloroethane	6.111	63	384102	46.697	ug/l	99
25) 2-Butanone	7.076	43	333273	244.606	ug/l	96
26) 2,2-Dichloropropane	7.076	77	319450	49.051	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	255592	47.023	ug/l	100
28) Bromochloromethane	7.423	49	157222	46.903	ug/l	97
29) Tetrahydrofuran	7.447	42	202227	234.880	ug/l	99
30) Chloroform	7.594	83	377126	47.950	ug/l	98
31) Cyclohexane	7.876	56	353530	45.918	ug/l	98
32) 1,1,1-Trichloroethane	7.794	97	327626	50.028	ug/l	99
36) 1,1-Dichloropropene	8.005	75	281502	50.459	ug/l	99
37) Ethyl Acetate	7.164	43	133810	49.879	ug/l	98
38) Carbon Tetrachloride	7.988	117	278348	52.423	ug/l	96
39) Methylcyclohexane	9.270	83	380388	51.226	ug/l	95
40) Benzene	8.253	78	876473	49.365	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	83306	52.304	ug/l #	92
42) 1,2-Dichloroethane	8.323	62	216711	50.392	ug/l	99
43) Isopropyl Acetate	8.358	43	268487	49.189	ug/l	99
44) Trichloroethene	9.029	130	217962	50.601	ug/l	97
45) 1,2-Dichloropropane	9.305	63	213378	48.459	ug/l	96
46) Dibromomethane	9.394	93	121589	51.542	ug/l	98
47) Bromodichloromethane	9.582	83	291436	50.676	ug/l	97
48) Methyl methacrylate	9.382	41	132474	48.959	ug/l	96
49) 1,4-Dioxane	9.382	88	29431	1009.150	ug/l	100
51) 4-Methyl-2-Pentanone	10.152	43	679265	249.536	ug/l	99
52) Toluene	10.329	92	552374	49.887	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	293413	50.062	ug/l	99
54) cis-1,3-Dichloropropene	10.011	75	343474	49.004	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	159049	50.286	ug/l	96
56) Ethyl methacrylate	10.594	69	222090	50.398	ug/l	98
57) 1,3-Dichloropropane	10.876	76	276529	49.816	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	435611	255.443	ug/l	99
59) 2-Hexanone	10.917	43	492452	254.612	ug/l	99
60) Dibromochloromethane	11.070	129	202203	50.728	ug/l	100
61) 1,2-Dibromoethane	11.176	107	152644	50.720	ug/l	100
64) Tetrachloroethene	10.805	164	181084	53.447	ug/l	99
65) Chlorobenzene	11.605	112	602103	51.501	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.682	131	193718	51.949	ug/l	100
67) Ethyl Benzene	11.682	91	1057257	52.248	ug/l	98
68) m/p-Xylenes	11.788	106	801783	102.906	ug/l	98
69) o-Xylene	12.117	106	386006	51.916	ug/l	98
70) Styrene	12.135	104	653835	51.692	ug/l	99
71) Bromoform	12.294	173	114697	54.120	ug/l #	100
73) Isopropylbenzene	12.417	105	979503	51.093	ug/l	99
74) N-amyl acetate	12.229	43	252930	49.717	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	179908	50.476	ug/l	100
76) 1,2,3-Trichloropropane	12.717	75	106709m	49.968	ug/l	
77) Bromobenzene	12.699	156	228296	51.468	ug/l	98
78) n-propylbenzene	12.758	91	1186307	50.960	ug/l	99
79) 2-Chlorotoluene	12.846	91	661660	49.880	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	788080	50.589	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	67299	47.831	ug/l	97
82) 4-Chlorotoluene	12.946	91	673566	49.366	ug/l	97
83) tert-Butylbenzene	13.164	119	702233	51.956	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	796670	50.790	ug/l	99
85) sec-Butylbenzene	13.341	105	1042301	51.669	ug/l	100
86) p-Isopropyltoluene	13.458	119	874095	51.800	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	440404	51.495	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	435071	50.662	ug/l	99
89) n-Butylbenzene	13.782	91	824568	51.296	ug/l	98
90) Hexachloroethane	14.052	117	164430	50.378	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	386324	50.761	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	26490	49.525	ug/l	97
93) 1,2,4-Trichlorobenzene	15.093	180	241804	50.711	ug/l	100
94) Hexachlorobutadiene	15.199	225	115235	53.171	ug/l	98
95) Naphthalene	15.329	128	505498	49.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	211001	51.692	ug/l	99

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

