

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080486.D
 Acq On : 26 Jun 2025 17:42
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 05:31:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:16:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	411540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	762298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	661890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	299012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	223625	55.428	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.860%			
35) Dibromofluoromethane	7.805	113	234527	54.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.880%			
50) Toluene-d8	10.270	98	939984	54.510	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.020%			
62) 4-Bromofluorobenzene	12.570	95	302093	53.428	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	178617	48.821	ug/l	99
3) Chloromethane	2.147	50	271278	53.092	ug/l	99
4) Vinyl Chloride	2.288	62	283114	54.621	ug/l	100
5) Bromomethane	2.694	94	163126	56.942	ug/l	99
6) Chloroethane	2.841	64	177362	54.515	ug/l	99
7) Trichlorofluoromethane	3.182	101	337994	51.835	ug/l	99
8) Diethyl Ether	3.594	74	139546	54.978	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.970	101	223396	51.789	ug/l	99
10) Methyl Iodide	4.164	142	289065	56.906	ug/l	99
11) Tert butyl alcohol	5.052	59	83535	254.292	ug/l	98
12) 1,1-Dichloroethene	3.946	96	241608	51.874	ug/l	95
13) Acrolein	3.794	56	116137	259.431	ug/l	97
14) Allyl chloride	4.564	41	429075	52.612	ug/l	100
15) Acrylonitrile	5.252	53	320109	265.069	ug/l	99
16) Acetone	4.017	43	254983	244.609	ug/l	99
17) Carbon Disulfide	4.276	76	788425	53.603	ug/l	99
18) Methyl Acetate	4.558	43	162386	51.214	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	620102	53.573	ug/l	100
20) Methylene Chloride	4.805	84	308353	53.831	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	273551	52.656	ug/l	96
22) Diisopropyl ether	6.211	45	859762	54.599	ug/l	95
23) Vinyl Acetate	6.152	43	2466846	274.930	ug/l	100
24) 1,1-Dichloroethane	6.111	63	492919	53.349	ug/l	98
25) 2-Butanone	7.082	43	394098	257.584	ug/l	98
26) 2,2-Dichloropropane	7.076	77	372617	50.961	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	329954	53.128	ug/l	100
28) Bromochloromethane	7.429	49	204419	56.119	ug/l	98
29) Tetrahydrofuran	7.440	42	262329	272.157	ug/l	97
30) Chloroform	7.599	83	470097	53.151	ug/l	98
31) Cyclohexane	7.876	56	449827	50.244	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	382175	51.682	ug/l	99
36) 1,1-Dichloropropene	8.011	75	347152	52.073	ug/l	99
37) Ethyl Acetate	7.170	43	167224	51.610	ug/l	99
38) Carbon Tetrachloride	7.993	117	325700	51.135	ug/l	99
39) Methylcyclohexane	9.276	83	471106	51.327	ug/l	99
40) Benzene	8.252	78	1123506	52.508	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	103877	50.161	ug/l	99
42) 1,2-Dichloroethane	8.329	62	261873	52.025	ug/l	100
43) Isopropyl Acetate	8.358	43	335392	52.597	ug/l	98
44) Trichloroethene	9.029	130	268713	51.819	ug/l	98
45) 1,2-Dichloropropane	9.305	63	279376	53.837	ug/l	98
46) Dibromomethane	9.393	93	147061	53.152	ug/l	99
47) Bromodichloromethane	9.581	83	362449	52.840	ug/l	97
48) Methyl methacrylate	9.381	41	169137	52.433	ug/l	99
49) 1,4-Dioxane	9.387	88	35188	980.361	ug/l	98
51) 4-Methyl-2-Pentanone	10.158	43	859916	265.556	ug/l	99
52) Toluene	10.334	92	690882	51.661	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	363291	52.880	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	434037	52.589	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	195790	51.910	ug/l	97
56) Ethyl methacrylate	10.593	69	284871	52.914	ug/l	100
57) 1,3-Dichloropropane	10.876	76	347368	52.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	519561	252.689	ug/l	100
59) 2-Hexanone	10.917	43	591048	257.896	ug/l	99
60) Dibromochloromethane	11.070	129	243308	52.265	ug/l	99
61) 1,2-Dibromoethane	11.176	107	187747	52.060	ug/l	99
64) Tetrachloroethene	10.811	164	211478	51.478	ug/l	99
65) Chlorobenzene	11.605	112	743882	52.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	236639	52.745	ug/l	99
67) Ethyl Benzene	11.681	91	1298514	52.006	ug/l	99
68) m/p-Xylenes	11.793	106	988566	103.974	ug/l	100
69) o-Xylene	12.117	106	477121	52.003	ug/l	98
70) Styrene	12.134	104	813194	52.400	ug/l	99
71) Bromoform	12.293	173	130672	51.140	ug/l #	99
73) Isopropylbenzene	12.417	105	1193847	51.361	ug/l	100
74) N-amyl acetate	12.228	43	319915	52.563	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.670	83	218718	50.533	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	129926m	51.116	ug/l	
77) Bromobenzene	12.699	156	267540	51.468	ug/l	100
78) n-propylbenzene	12.758	91	1446347	51.690	ug/l	100
79) 2-Chlorotoluene	12.846	91	828008	51.452	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	964754	51.182	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	85580	50.032	ug/l	97
82) 4-Chlorotoluene	12.946	91	841704	50.921	ug/l	100
83) tert-Butylbenzene	13.164	119	834068	50.590	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	964829	51.271	ug/l	100
85) sec-Butylbenzene	13.340	105	1245102	51.131	ug/l	100
86) p-Isopropyltoluene	13.458	119	1013314	50.285	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	519831	51.707	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	521732	51.991	ug/l	98
89) n-Butylbenzene	13.781	91	997001	51.550	ug/l	100
90) Hexachloroethane	14.052	117	196407	50.446	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	459201	51.891	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.440	75	32387	49.613	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	288146	51.968	ug/l	98
94) Hexachlorobutadiene	15.199	225	124892	48.793	ug/l	98
95) Naphthalene	15.328	128	631904	51.290	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	251703	52.795	ug/l	100

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

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