

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062725\
 Data File : VD080494.D
 Acq On : 27 Jun 2025 14:49
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 28 03:10:38 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	408965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	724319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	609571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	276111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	199807	49.836	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.680%		
35) Dibromofluoromethane	7.806	113	216145	53.292	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.580%		
50) Toluene-d8	10.270	98	861191	52.559	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.120%		
62) 4-Bromofluorobenzene	12.570	95	266923	49.683	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.360%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	179412	49.347	ug/l	100
3) Chloromethane	2.147	50	255348	50.289	ug/l	99
4) Vinyl Chloride	2.288	62	275847	53.554	ug/l	97
5) Bromomethane	2.694	94	163525	57.441	ug/l	97
6) Chloroethane	2.841	64	174700	54.035	ug/l	99
7) Trichlorofluoromethane	3.176	101	333568	51.478	ug/l	94
8) Diethyl Ether	3.594	74	129303	51.263	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.970	101	220960	51.547	ug/l	99
10) Methyl Iodide	4.170	142	272694	54.021	ug/l	99
11) Tert butyl alcohol	5.041	59	74696	228.816	ug/l	98
12) 1,1-Dichloroethene	3.941	96	231315	49.977	ug/l	91
13) Acrolein	3.800	56	91063	204.700	ug/l	100
14) Allyl chloride	4.565	41	409329	50.507	ug/l	98
15) Acrylonitrile	5.253	53	280190	233.475	ug/l	99
16) Acetone	4.018	43	279150	269.478	ug/l	100
17) Carbon Disulfide	4.276	76	743381	50.859	ug/l	98
18) Methyl Acetate	4.559	43	123505	39.197	ug/l	99
19) Methyl tert-butyl Ether	5.312	73	548656	47.699	ug/l	97
20) Methylene Chloride	4.806	84	291927	51.131	ug/l	97
21) trans-1,2-Dichloroethene	5.312	96	253044	49.015	ug/l	98
22) Diisopropyl ether	6.212	45	781542	49.944	ug/l	98
23) Vinyl Acetate	6.153	43	2285166	256.285	ug/l	100
24) 1,1-Dichloroethane	6.112	63	455921	49.655	ug/l	98
25) 2-Butanone	7.076	43	383320	252.117	ug/l	95
26) 2,2-Dichloropropane	7.076	77	375842	51.726	ug/l	100
27) cis-1,2-Dichloroethene	7.082	96	297462	48.198	ug/l	97
28) Bromochloromethane	7.429	49	175832	48.575	ug/l	95
29) Tetrahydrofuran	7.447	42	228274	238.318	ug/l	97
30) Chloroform	7.594	83	432856	49.249	ug/l	99
31) Cyclohexane	7.876	56	439882	49.442	ug/l	94
32) 1,1,1-Trichloroethane	7.794	97	372329	50.667	ug/l	99
36) 1,1-Dichloropropene	8.011	75	334074	52.739	ug/l	100
37) Ethyl Acetate	7.164	43	152090	49.401	ug/l	99
38) Carbon Tetrachloride	7.994	117	317416	52.447	ug/l	98
39) Methylcyclohexane	9.270	83	454929	52.163	ug/l	99
40) Benzene	8.247	78	1028978	50.612	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	96060	48.819	ug/l	96
42) 1,2-Dichloroethane	8.323	62	238529	49.872	ug/l	99
43) Isopropyl Acetate	8.358	43	307999	50.833	ug/l	97
44) Trichloroethene	9.029	130	255848	51.926	ug/l	96
45) 1,2-Dichloropropane	9.305	63	251273	50.961	ug/l	95
46) Dibromomethane	9.394	93	132244	50.303	ug/l	98
47) Bromodichloromethane	9.582	83	326923	50.160	ug/l	96
48) Methyl methacrylate	9.376	41	153444	50.062	ug/l	98
49) 1,4-Dioxane	9.382	88	31622	927.205	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	779768	253.431	ug/l	98
52) Toluene	10.329	92	633669	49.867	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	326404	50.002	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	395618	50.447	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	170924	47.694	ug/l	97
56) Ethyl methacrylate	10.594	69	253602	49.575	ug/l	97
57) 1,3-Dichloropropane	10.876	76	310340	49.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	490004	250.810	ug/l	100
59) 2-Hexanone	10.917	43	568432	261.033	ug/l	98
60) Dibromochloromethane	11.070	129	219061	49.524	ug/l	99
61) 1,2-Dibromoethane	11.176	107	164937	48.133	ug/l	99
64) Tetrachloroethene	10.805	164	198994	52.597	ug/l	99
65) Chlorobenzene	11.605	112	668703	50.864	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	213831	51.752	ug/l	100
67) Ethyl Benzene	11.682	91	1210276	52.633	ug/l	100
68) m/p-Xylenes	11.788	106	918905	104.942	ug/l	100
69) o-Xylene	12.117	106	433809	51.341	ug/l	99
70) Styrene	12.135	104	735587	51.468	ug/l	99
71) Bromoform	12.294	173	117613	49.980	ug/l #	99
73) Isopropylbenzene	12.417	105	1114603	51.929	ug/l	99
74) N-amyl acetate	12.229	43	291355	51.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	194535	48.673	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	117290m	49.972	ug/l	
77) Bromobenzene	12.699	156	245691	51.185	ug/l	97
78) n-propylbenzene	12.758	91	1361537	52.695	ug/l	99
79) 2-Chlorotoluene	12.846	91	752788	50.658	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	894911	51.415	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	77332	48.960	ug/l	99
82) 4-Chlorotoluene	12.946	91	773503	50.676	ug/l	99
83) tert-Butylbenzene	13.164	119	785516	51.597	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	891242	51.288	ug/l	100
85) sec-Butylbenzene	13.341	105	1181214	52.531	ug/l	100
86) p-Isopropyltoluene	13.458	119	974520	52.370	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	477056	51.388	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	473065	51.052	ug/l	99
89) n-Butylbenzene	13.782	91	961523	53.839	ug/l	99
90) Hexachloroethane	14.052	117	184784	51.397	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	410592	50.247	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	27393	45.443	ug/l	99
93) 1,2,4-Trichlorobenzene	15.099	180	257292	50.252	ug/l	99
94) Hexachlorobutadiene	15.199	225	120308	50.901	ug/l	99
95) Naphthalene	15.329	128	544288	47.842	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	216174	49.103	ug/l	100

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

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