

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080477.D
 Acq On : 26 Jun 2025 12:13
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 27 05:02:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 04:51:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	472514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	867160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	745502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	327328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	727121	156.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 313.940%#			
35) Dibromofluoromethane	7.805	113	765781	157.706	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 315.420%#			
50) Toluene-d8	10.270	98	3053875	155.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 311.360%#			
62) 4-Bromofluorobenzene	12.570	95	970742	150.923	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 301.840%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	614266	146.231	ug/l	98
3) Chloromethane	2.147	50	874428	149.052	ug/l	100
4) Vinyl Chloride	2.288	62	921656	154.868	ug/l	98
5) Bromomethane	2.676	94	504806	153.473	ug/l	100
6) Chloroethane	2.835	64	561237	150.244	ug/l	99
7) Trichlorofluoromethane	3.170	101	1136104	151.750	ug/l	100
8) Diethyl Ether	3.594	74	446314	153.147	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.965	101	749638	151.361	ug/l	99
10) Methyl Iodide	4.165	142	992091	170.102	ug/l	99
11) Tert butyl alcohol	5.053	59	286049	758.405	ug/l	97
12) 1,1-Dichloroethene	3.941	96	811036	151.662	ug/l	94
13) Acrolein	3.794	56	380625	740.534	ug/l	100
14) Allyl chloride	4.559	41	1414599	151.073	ug/l	100
15) Acrylonitrile	5.247	53	1054890	760.792	ug/l	99
16) Acetone	4.017	43	766930	640.787	ug/l	98
17) Carbon Disulfide	4.270	76	2661018	157.571	ug/l	99
18) Methyl Acetate	4.559	43	519772	142.774	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	2033174	152.987	ug/l	99
20) Methylene Chloride	4.800	84	947523	149.506	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	908320	152.281	ug/l	97
22) Diisopropyl ether	6.217	45	2695805	149.106	ug/l	98
23) Vinyl Acetate	6.153	43	7878261	764.729	ug/l	99
24) 1,1-Dichloroethane	6.111	63	1606277	151.414	ug/l	98
25) 2-Butanone	7.082	43	1253647	713.654	ug/l	100
26) 2,2-Dichloropropane	7.076	77	1250932	149.007	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	1079641	151.407	ug/l	99
28) Bromochloromethane	7.423	49	608602	145.518	ug/l	100
29) Tetrahydrofuran	7.441	42	852170	770.012	ug/l	99
30) Chloroform	7.594	83	1534968	151.155	ug/l	99
31) Cyclohexane	7.876	56	1482579	144.228	ug/l	94
32) 1,1,1-Trichloroethane	7.794	97	1296965	152.757	ug/l	99
36) 1,1-Dichloropropene	8.005	75	1146802	151.220	ug/l	100
37) Ethyl Acetate	7.164	43	562300	153.050	ug/l	99
38) Carbon Tetrachloride	7.988	117	1103581	152.311	ug/l	100
39) Methylcyclohexane	9.276	83	1587628	152.055	ug/l	98
40) Benzene	8.253	78	3677372	151.083	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	353910	150.233	ug/l	99
42) 1,2-Dichloroethane	8.323	62	859124	150.039	ug/l	99
43) Isopropyl Acetate	8.358	43	1115181	153.736	ug/l	100
44) Trichloroethene	9.029	130	896550	151.986	ug/l	99
45) 1,2-Dichloropropane	9.305	63	894066	151.457	ug/l	99
46) Dibromomethane	9.394	93	481060	152.843	ug/l	99
47) Bromodichloromethane	9.582	83	1173803	150.431	ug/l	99
48) Methyl methacrylate	9.376	41	559969	152.601	ug/l	98
49) 1,4-Dioxane	9.382	88	118664	2906.271	ug/l	97
51) 4-Methyl-2-Pentanone	10.158	43	2744068	744.939	ug/l	100
52) Toluene	10.329	92	2285667	150.244	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	1187794	151.985	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	1424120	151.684	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	637670	148.623	ug/l	98
56) Ethyl methacrylate	10.594	69	913688	149.191	ug/l	99
57) 1,3-Dichloropropane	10.876	76	1125609	149.943	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	1733383	741.088	ug/l	98
59) 2-Hexanone	10.917	43	1893466	726.282	ug/l	100
60) Dibromochloromethane	11.070	129	790514	149.276	ug/l	99
61) 1,2-Dibromoethane	11.176	107	622837	151.822	ug/l	99
64) Tetrachloroethene	10.805	164	710729	153.604	ug/l	99
65) Chlorobenzene	11.605	112	2400539	149.300	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.676	131	760808	150.559	ug/l	99
67) Ethyl Benzene	11.682	91	4190161	148.996	ug/l	99
68) m/p-Xylenes	11.788	106	3225724	301.219	ug/l	97
69) o-Xylene	12.117	106	1536976	148.732	ug/l	98
70) Styrene	12.135	104	2602353	148.883	ug/l	100
71) Bromoform	12.293	173	427170	148.428	ug/l #	100
73) Isopropylbenzene	12.417	105	3800712	149.366	ug/l	99
74) N-amyl acetate	12.229	43	1002480	150.462	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	710743	150.005	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	412515m	147.103	ug/l	
77) Bromobenzene	12.699	156	868053	152.545	ug/l	99
78) n-propylbenzene	12.758	91	4546913	148.443	ug/l	99
79) 2-Chlorotoluene	12.846	91	2609953	148.152	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	3092927	149.892	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	284471	151.922	ug/l	99
82) 4-Chlorotoluene	12.941	91	2657669	146.874	ug/l	100
83) tert-Butylbenzene	13.164	119	2691380	149.124	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	3088455	149.922	ug/l	100
85) sec-Butylbenzene	13.340	105	3980419	149.319	ug/l	99
86) p-Isopropyltoluene	13.458	119	3300155	149.600	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	1650959	150.012	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	1632247	148.585	ug/l	100
89) n-Butylbenzene	13.782	91	3181984	150.291	ug/l	100
90) Hexachloroethane	14.052	117	653329	153.288	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	1445094	149.175	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.440	75	108981	152.504	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	937368	154.432	ug/l	99
94) Hexachlorobutadiene	15.199	225	433674	154.773	ug/l	100
95) Naphthalene	15.329	128	2099971	155.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	823355	157.759	ug/l	100

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

