

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062725\
 Data File : VD080490.D
 Acq On : 27 Jun 2025 12:08
 Operator : RP/MD
 Sample : VD0627SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 03:06:35 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	409156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	728213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	627036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	280529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	216572	53.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.980%			
35) Dibromofluoromethane	7.806	113	230034	56.413	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.820%			
50) Toluene-d8	10.270	98	944714	57.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.700%			
62) 4-Bromofluorobenzene	12.570	95	293397	54.318	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	74308	20.429	ug/l	99
3) Chloromethane	2.147	50	104573	20.585	ug/l	98
4) Vinyl Chloride	2.288	62	110654	21.473	ug/l	99
5) Bromomethane	2.694	94	72975	25.622	ug/l	97
6) Chloroethane	2.841	64	70590	21.823	ug/l	100
7) Trichlorofluoromethane	3.182	101	135152	20.848	ug/l	99
8) Diethyl Ether	3.594	74	55304	21.916	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.965	101	90133	21.017	ug/l	98
10) Methyl Iodide	4.165	142	95927	18.994	ug/l	99
11) Tert butyl alcohol	5.041	59	29793	91.222	ug/l #	82
12) 1,1-Dichloroethene	3.947	96	93268	20.142	ug/l	97
13) Acrolein	3.800	56	41445	93.121	ug/l	100
14) Allyl chloride	4.565	41	164389	20.275	ug/l	100
15) Acrylonitrile	5.253	53	112968	94.089	ug/l	99
16) Acetone	4.018	43	130710	126.122	ug/l	98
17) Carbon Disulfide	4.271	76	285310	19.511	ug/l	96
18) Methyl Acetate	4.565	43	55136	17.490	ug/l	96
19) Methyl tert-butyl Ether	5.318	73	221561	19.253	ug/l	100
20) Methylene Chloride	4.800	84	137021	22.267	ug/l	96
21) trans-1,2-Dichloroethene	5.312	96	101078	19.570	ug/l	98
22) Diisopropyl ether	6.218	45	319983	20.439	ug/l	99
23) Vinyl Acetate	6.153	43	897822	100.645	ug/l	100
24) 1,1-Dichloroethane	6.106	63	186350	20.286	ug/l	99
25) 2-Butanone	7.076	43	164741	108.303	ug/l	98
26) 2,2-Dichloropropane	7.076	77	150609	20.718	ug/l	98
27) cis-1,2-Dichloroethene	7.076	96	122335	19.813	ug/l	98
28) Bromochloromethane	7.423	49	76639	21.162	ug/l	96
29) Tetrahydrofuran	7.441	42	91499	95.480	ug/l	98
30) Chloroform	7.594	83	178773	20.331	ug/l	98
31) Cyclohexane	7.876	56	181649	20.408	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	150909	20.526	ug/l	99
36) 1,1-Dichloropropene	8.006	75	134157	21.066	ug/l	99
37) Ethyl Acetate	7.170	43	58921	19.036	ug/l	100
38) Carbon Tetrachloride	7.988	117	126973	20.868	ug/l	98
39) Methylcyclohexane	9.276	83	182674	20.834	ug/l	97
40) Benzene	8.247	78	422109	20.651	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	37103	18.755	ug/l	97
42) 1,2-Dichloroethane	8.323	62	96948	20.162	ug/l	98
43) Isopropyl Acetate	8.359	43	119235	19.574	ug/l	99
44) Trichloroethene	9.029	130	102088	20.608	ug/l	97
45) 1,2-Dichloropropane	9.306	63	104572	21.095	ug/l	99
46) Dibromomethane	9.394	93	53381	20.196	ug/l	98
47) Bromodichloromethane	9.582	83	133546	20.381	ug/l	93
48) Methyl methacrylate	9.376	41	59698	19.373	ug/l	97
49) 1,4-Dioxane	9.382	88	12256	357.443	ug/l	94
51) 4-Methyl-2-Pentanone	10.158	43	303957	98.260	ug/l	99
52) Toluene	10.335	92	263260	20.607	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	133522	20.345	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	158327	20.081	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	71974	19.976	ug/l	97
56) Ethyl methacrylate	10.594	69	100346	19.511	ug/l	99
57) 1,3-Dichloropropane	10.876	76	125057	19.837	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	192651	98.082	ug/l	100
59) 2-Hexanone	10.917	43	230012	105.060	ug/l	100
60) Dibromochloromethane	11.070	129	88740	19.955	ug/l	99
61) 1,2-Dibromoethane	11.176	107	66914	19.423	ug/l	100
64) Tetrachloroethene	10.805	164	82320	21.152	ug/l	98
65) Chlorobenzene	11.605	112	278144	20.567	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.682	131	88255	20.765	ug/l	99
67) Ethyl Benzene	11.682	91	492230	20.810	ug/l	99
68) m/p-Xylenes	11.794	106	374164	41.541	ug/l	99
69) o-Xylene	12.117	106	179675	20.672	ug/l	98
70) Styrene	12.135	104	307015	20.883	ug/l	98
71) Bromoform	12.300	173	48133	19.884	ug/l #	99
73) Isopropylbenzene	12.417	105	465016	21.324	ug/l	99
74) N-amyl acetate	12.229	43	114583	20.067	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	78216	19.262	ug/l	97
76) 1,2,3-Trichloropropane	12.723	75	48087m	20.165	ug/l	
77) Bromobenzene	12.700	156	100645	20.637	ug/l	98
78) n-propylbenzene	12.758	91	557372	21.232	ug/l	100
79) 2-Chlorotoluene	12.847	91	315226	20.879	ug/l	100
80) 1,3,5-Trimethylbenzene	12.900	105	375056	21.209	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	30890	19.249	ug/l	98
82) 4-Chlorotoluene	12.947	91	318929	20.566	ug/l	100
83) tert-Butylbenzene	13.164	119	325044	21.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	366872	20.780	ug/l	99
85) sec-Butylbenzene	13.341	105	486396	21.290	ug/l	99
86) p-Isopropyltoluene	13.458	119	398743	21.091	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	197241	20.912	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	192547	20.452	ug/l	98
89) n-Butylbenzene	13.782	91	385976	21.272	ug/l	100
90) Hexachloroethane	14.052	117	73481	20.117	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	170916	20.587	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.446	75	11486	18.754	ug/l	94
93) 1,2,4-Trichlorobenzene	15.099	180	102784	19.759	ug/l	97
94) Hexachlorobutadiene	15.199	225	49289	20.525	ug/l	98
95) Naphthalene	15.329	128	222214	19.225	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	90723	20.283	ug/l	99

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

