

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080533.D
 Acq On : 18 Nov 2025 11:04
 Operator : RP/MD
 Sample : VD1118SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 11:33:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 18 00:45:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	297980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	489109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	402970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	177229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	109622	43.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.620%		
35) Dibromofluoromethane	7.805	113	133734	46.444	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.880%		
50) Toluene-d8	10.270	98	556082	47.738	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.480%		
62) 4-Bromofluorobenzene	12.570	95	154400	46.105	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	46687	21.023	ug/l	92
3) Chloromethane	2.147	50	70555	19.679	ug/l	99
4) Vinyl Chloride	2.288	62	82307	19.376	ug/l	100
5) Bromomethane	2.700	94	66689	21.173	ug/l	97
6) Chloroethane	2.841	64	57353	19.668	ug/l	96
7) Trichlorofluoromethane	3.182	101	98122	20.298	ug/l	98
8) Diethyl Ether	3.594	74	22534	16.914	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.976	101	60463	19.791	ug/l	95
10) Methyl Iodide	4.170	142	72178	18.374	ug/l	98
11) Tert butyl alcohol	5.041	59	11118	95.414	ug/l #	83
12) 1,1-Dichloroethene	3.947	96	62391	19.404	ug/l	92
13) Acrolein	3.800	56	18832	92.903	ug/l	97
14) Allyl chloride	4.564	41	90959	18.115	ug/l	94
15) Acrylonitrile	5.258	53	42990	79.944	ug/l	97
16) Acetone	4.023	43	28260	77.259	ug/l	98
17) Carbon Disulfide	4.276	76	197700	19.108	ug/l	99
18) Methyl Acetate	4.570	43	18452	16.403	ug/l	96
19) Methyl tert-butyl Ether	5.323	73	99671	17.486	ug/l	94
20) Methylene Chloride	4.805	84	77810	21.072	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	70838	19.756	ug/l	93
22) Diisopropyl ether	6.217	45	160267	17.663	ug/l	98
23) Vinyl Acetate	6.158	43	404236	85.554	ug/l	99
24) 1,1-Dichloroethane	6.111	63	118748	19.141	ug/l	96
25) 2-Butanone	7.082	43	47421	82.682	ug/l	90
26) 2,2-Dichloropropane	7.076	77	105960	19.860	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	78495	18.789	ug/l	98
28) Bromochloromethane	7.429	49	41249	18.169	ug/l	96
29) Tetrahydrofuran	7.452	42	30316	79.341	ug/l	97
30) Chloroform	7.599	83	116319	19.120	ug/l	97
31) Cyclohexane	7.882	56	112585	18.945	ug/l	94
32) 1,1,1-Trichloroethane	7.799	97	104512	19.556	ug/l	96
36) 1,1-Dichloropropene	8.005	75	92142	20.700	ug/l	98
37) Ethyl Acetate	7.170	43	22654	16.825	ug/l #	78
38) Carbon Tetrachloride	7.994	117	92391	20.655	ug/l	99
39) Methylcyclohexane	9.276	83	118724	20.215	ug/l	94
40) Benzene	8.252	78	275982	20.023	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	15547	17.676	ug/l	91
42) 1,2-Dichloroethane	8.329	62	56568	19.665	ug/l	98
43) Isopropyl Acetate	8.364	43	45528	17.239	ug/l	98
44) Trichloroethene	9.029	130	71496	20.519	ug/l	97
45) 1,2-Dichloropropane	9.305	63	59523	18.863	ug/l	98
46) Dibromomethane	9.393	93	29905	19.212	ug/l	97
47) Bromodichloromethane	9.582	83	80395	19.125	ug/l	99
48) Methyl methacrylate	9.382	41	23471	17.903	ug/l	94
49) 1,4-Dioxane	9.376	88	5103	351.691	ug/l #	90
51) 4-Methyl-2-Pentanone	10.158	43	105238	85.879	ug/l	98
52) Toluene	10.335	92	173386	19.892	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	69236	18.587	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	91696	19.086	ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	37348	18.756	ug/l	98
56) Ethyl methacrylate	10.593	69	39191	17.057	ug/l	96
57) 1,3-Dichloropropane	10.876	76	63641	18.327	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	121517	94.258	ug/l	100
59) 2-Hexanone	10.917	43	72097	84.161	ug/l	98
60) Dibromochloromethane	11.076	129	48995	18.517	ug/l	95
61) 1,2-Dibromoethane	11.176	107	35686	18.632	ug/l	98
64) Tetrachloroethene	10.805	164	60080	20.727	ug/l	97
65) Chlorobenzene	11.605	112	181920	20.273	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.676	131	54914	19.567	ug/l	98
67) Ethyl Benzene	11.682	91	327400	20.130	ug/l	99
68) m/p-Xylenes	11.793	106	253039	40.680	ug/l	100
69) o-Xylene	12.117	106	113951	19.814	ug/l	98
70) Styrene	12.135	104	187278	19.731	ug/l	99
71) Bromoform	12.293	173	25713	19.613	ug/l #	98
73) Isopropylbenzene	12.417	105	315325	20.960	ug/l	99
74) N-amyl acetate	12.229	43	39436	16.911	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	34241	18.148	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	26507m	19.202	ug/l	
77) Bromobenzene	12.699	156	66265	20.751	ug/l	95
78) n-propylbenzene	12.758	91	381180	21.121	ug/l	100
79) 2-Chlorotoluene	12.846	91	203826	20.529	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	248183	20.869	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	12288	17.000	ug/l	92
82) 4-Chlorotoluene	12.946	91	204366	20.246	ug/l	100
83) tert-Butylbenzene	13.164	119	224770	21.019	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	241808	20.664	ug/l	99
85) sec-Butylbenzene	13.340	105	332495	21.002	ug/l	100
86) p-Isopropyltoluene	13.458	119	281346	21.430	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	129912	20.476	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	126047	20.317	ug/l	99
89) n-Butylbenzene	13.781	91	265698	21.223	ug/l	99
90) Hexachloroethane	14.052	117	53468	20.877	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	103475	19.734	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.440	75	4622	17.792	ug/l	98
93) 1,2,4-Trichlorobenzene	15.093	180	64695	19.980	ug/l	99
94) Hexachlorobutadiene	15.205	225	39284	21.788	ug/l	98
95) Naphthalene	15.328	128	97319	18.469	ug/l	96
96) 1,2,3-Trichlorobenzene	15.517	180	50228	19.148	ug/l	99

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

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