

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080534.D
 Acq On : 18 Nov 2025 11:29
 Operator : RP/MD
 Sample : VD1118SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 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 11:47:54 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	291899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	490191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	403206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	181263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	113429	46.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.560%		
35) Dibromofluoromethane	7.806	113	133215	46.161	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.320%		
50) Toluene-d8	10.270	98	544735	46.660	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.320%		
62) 4-Bromofluorobenzene	12.570	95	154665	46.082	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	44947	20.662	ug/l	96
3) Chloromethane	2.147	50	70988	20.212	ug/l	99
4) Vinyl Chloride	2.288	62	82376	19.796	ug/l	97
5) Bromomethane	2.694	94	63399	20.548	ug/l	99
6) Chloroethane	2.841	64	58983	20.648	ug/l	98
7) Trichlorofluoromethane	3.182	101	97710	20.634	ug/l	95
8) Diethyl Ether	3.600	74	23056	17.666	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.976	101	60678	20.275	ug/l	98
10) Methyl Iodide	4.171	142	73949	19.217	ug/l	98
11) Tert butyl alcohol	5.035	59	13506	118.322	ug/l #	95
12) 1,1-Dichloroethene	3.947	96	61634	19.568	ug/l	87
13) Acrolein	3.794	56	19535	98.378	ug/l	97
14) Allyl chloride	4.559	41	90604	18.421	ug/l	97
15) Acrylonitrile	5.253	53	48130	91.367	ug/l #	91
16) Acetone	4.018	43	30765	85.860	ug/l	89
17) Carbon Disulfide	4.282	76	195266	19.265	ug/l	99
18) Methyl Acetate	4.570	43	18881	17.134	ug/l	98
19) Methyl tert-butyl Ether	5.323	73	104583	18.730	ug/l	96
20) Methylene Chloride	4.806	84	75886	20.979	ug/l	94
21) trans-1,2-Dichloroethene	5.312	96	68731	19.568	ug/l	98
22) Diisopropyl ether	6.223	45	164036	18.456	ug/l	98
23) Vinyl Acetate	6.159	43	429881	92.877	ug/l	100
24) 1,1-Dichloroethane	6.117	63	116022	19.092	ug/l	98
25) 2-Butanone	7.082	43	52064	92.669	ug/l	97
26) 2,2-Dichloropropane	7.076	77	102647	19.639	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	79175	19.347	ug/l	99
28) Bromochloromethane	7.429	49	43446	19.535	ug/l	99
29) Tetrahydrofuran	7.447	42	33156	88.581	ug/l	98
30) Chloroform	7.594	83	116688	19.581	ug/l	97
31) Cyclohexane	7.882	56	110492	18.980	ug/l	98
32) 1,1,1-Trichloroethane	7.794	97	105097	20.075	ug/l	98
36) 1,1-Dichloropropene	8.011	75	90220	20.224	ug/l	97
37) Ethyl Acetate	7.176	43	23779	17.622	ug/l #	68
38) Carbon Tetrachloride	7.994	117	91603	20.434	ug/l	98
39) Methylcyclohexane	9.276	83	117191	19.910	ug/l	98
40) Benzene	8.253	78	266087	19.263	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	14986	17.000	ug/l	96
42) 1,2-Dichloroethane	8.323	62	56898	19.736	ug/l	97
43) Isopropyl Acetate	8.359	43	48006	18.137	ug/l	95
44) Trichloroethene	9.029	130	71742	20.545	ug/l	99
45) 1,2-Dichloropropane	9.306	63	59628	18.854	ug/l	97
46) Dibromomethane	9.394	93	30482	19.540	ug/l	98
47) Bromodichloromethane	9.588	83	82844	19.664	ug/l	96
48) Methyl methacrylate	9.382	41	24058	18.310	ug/l	97
49) 1,4-Dioxane	9.382	88	5586	384.129	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	115859	94.338	ug/l	98
52) Toluene	10.335	92	170342	19.499	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	71255	19.086	ug/l	94
54) cis-1,3-Dichloropropene	10.017	75	91662	19.037	ug/l	96
55) 1,1,2-Trichloroethane	10.735	97	37764	18.923	ug/l	98
56) Ethyl methacrylate	10.600	69	42651	18.522	ug/l	96
57) 1,3-Dichloropropane	10.876	76	64716	18.596	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	130170	100.747	ug/l	99
59) 2-Hexanone	10.917	43	81440	94.858	ug/l	96
60) Dibromochloromethane	11.070	129	50485	19.038	ug/l	96
61) 1,2-Dibromoethane	11.176	107	36630	19.082	ug/l	95
64) Tetrachloroethene	10.811	164	58806	20.276	ug/l	98
65) Chlorobenzene	11.605	112	180383	20.090	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	56951	20.281	ug/l	100
67) Ethyl Benzene	11.682	91	324308	19.928	ug/l	99
68) m/p-Xylenes	11.794	106	251509	40.410	ug/l	99
69) o-Xylene	12.117	106	115439	20.061	ug/l	99
70) Styrene	12.135	104	190285	20.036	ug/l	100
71) Bromoform	12.294	173	26621	20.294	ug/l #	98
73) Isopropylbenzene	12.417	105	307702	19.998	ug/l	100
74) N-amyl acetate	12.229	43	45095	18.907	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	37073	19.211	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	26600m	18.841	ug/l	
77) Bromobenzene	12.699	156	65355	20.011	ug/l	99
78) n-propylbenzene	12.758	91	369232	20.003	ug/l	100
79) 2-Chlorotoluene	12.847	91	201168	19.810	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	241940	19.891	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.464	75	13020	17.611	ug/l	93
82) 4-Chlorotoluene	12.941	91	204856	19.843	ug/l	99
83) tert-Butylbenzene	13.164	119	217471	19.884	ug/l	98
84) 1,2,4-Trimethylbenzene	13.205	105	242063	20.225	ug/l	99
85) sec-Butylbenzene	13.341	105	323325	19.968	ug/l	100
86) p-Isopropyltoluene	13.458	119	272312	20.280	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	132978	20.493	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	128686	20.281	ug/l	98
89) n-Butylbenzene	13.782	91	256331	20.019	ug/l	98
90) Hexachloroethane	14.052	117	50736	19.370	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	108340	20.202	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.441	75	4617	17.377	ug/l	89
93) 1,2,4-Trichlorobenzene	15.093	180	66705	20.142	ug/l	98
94) Hexachlorobutadiene	15.199	225	38578	20.920	ug/l	98
95) Naphthalene	15.329	128	106135	19.694	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	53071	19.781	ug/l	99

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

