

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111925\
 Data File : VD080542.D
 Acq On : 19 Nov 2025 10:20
 Operator : RP/MD
 Sample : VD1119SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/20/2025
 Supervised By :Mahesh Dadoda 11/20/2025

Quant Time: Nov 20 04:04:13 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	277340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	453883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	374827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	169553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	103384	44.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.800%		
35) Dibromofluoromethane	7.806	113	125186	46.849	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.700%		
50) Toluene-d8	10.270	98	506737	46.878	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.760%		
62) 4-Bromofluorobenzene	12.570	95	143027	46.024	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	41851	20.248	ug/l	99
3) Chloromethane	2.147	50	66285	19.864	ug/l	96
4) Vinyl Chloride	2.288	62	78455	19.843	ug/l	100
5) Bromomethane	2.694	94	60937	20.787	ug/l	98
6) Chloroethane	2.841	64	55409	20.415	ug/l	96
7) Trichlorofluoromethane	3.182	101	89224	19.831	ug/l	96
8) Diethyl Ether	3.594	74	20922	16.873	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.965	101	56690	19.937	ug/l	99
10) Methyl Iodide	4.165	142	68106	18.628	ug/l	99
11) Tert butyl alcohol	5.041	59	10279	94.779	ug/l #	83
12) 1,1-Dichloroethene	3.947	96	58130	19.424	ug/l	97
13) Acrolein	3.800	56	16253	86.147	ug/l	99
14) Allyl chloride	4.564	41	80795	17.289	ug/l	92
15) Acrylonitrile	5.259	53	42392	84.699	ug/l	99
16) Acetone	4.029	43	25542	75.025	ug/l	97
17) Carbon Disulfide	4.276	76	182858	18.988	ug/l	99
18) Methyl Acetate	4.564	43	15894	15.181	ug/l	96
19) Methyl tert-butyl Ether	5.312	73	89957	16.957	ug/l	100
20) Methylene Chloride	4.806	84	66217	19.267	ug/l #	92
21) trans-1,2-Dichloroethene	5.317	96	64159	19.225	ug/l	96
22) Diisopropyl ether	6.211	45	143248	16.963	ug/l	96
23) Vinyl Acetate	6.159	43	372065	84.605	ug/l	99
24) 1,1-Dichloroethane	6.117	63	108419	18.777	ug/l	97
25) 2-Butanone	7.082	43	43545	81.575	ug/l	97
26) 2,2-Dichloropropane	7.076	77	96649	19.463	ug/l	100
27) cis-1,2-Dichloroethene	7.076	96	72545	18.657	ug/l	98
28) Bromochloromethane	7.423	49	37862	17.918	ug/l	91
29) Tetrahydrofuran	7.447	42	28059	78.899	ug/l	95
30) Chloroform	7.600	83	109751	19.383	ug/l	91
31) Cyclohexane	7.876	56	102231	18.483	ug/l	94
32) 1,1,1-Trichloroethane	7.800	97	99565	20.017	ug/l	98
36) 1,1-Dichloropropene	8.011	75	84687	20.502	ug/l	97
37) Ethyl Acetate	7.164	43	20466	16.380	ug/l #	77
38) Carbon Tetrachloride	7.994	117	86676	20.881	ug/l	94
39) Methylcyclohexane	9.276	83	109044	20.008	ug/l	97
40) Benzene	8.253	78	248087	19.396	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	14213	17.413	ug/l	94
42) 1,2-Dichloroethane	8.323	62	53204	19.931	ug/l	99
43) Isopropyl Acetate	8.358	43	42082	17.171	ug/l #	87
44) Trichloroethene	9.029	130	66161	20.462	ug/l	97
45) 1,2-Dichloropropane	9.305	63	54382	18.571	ug/l	97
46) Dibromomethane	9.394	93	27143	18.791	ug/l	96
47) Bromodichloromethane	9.582	83	77381	19.836	ug/l	98
48) Methyl methacrylate	9.382	41	21440	17.623	ug/l	95
49) 1,4-Dioxane	9.382	88	4576	339.847	ug/l	95
51) 4-Methyl-2-Pentanone	10.158	43	96303	84.687	ug/l	100
52) Toluene	10.335	92	156767	19.381	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	64442	18.642	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	82518	18.509	ug/l	97
55) 1,1,2-Trichloroethane	10.729	97	34354	18.591	ug/l	96
56) Ethyl methacrylate	10.594	69	36382	17.063	ug/l	98
57) 1,3-Dichloropropane	10.876	76	60356	18.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	111160	92.917	ug/l	100
59) 2-Hexanone	10.917	43	66310	83.413	ug/l	99
60) Dibromochloromethane	11.070	129	46645	18.997	ug/l	99
61) 1,2-Dibromoethane	11.176	107	32781	18.443	ug/l	99
64) Tetrachloroethene	10.811	164	56134	20.820	ug/l	98
65) Chlorobenzene	11.605	112	168582	20.198	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.676	131	49796	19.076	ug/l	97
67) Ethyl Benzene	11.682	91	301682	19.941	ug/l	98
68) m/p-Xylenes	11.794	106	230547	39.847	ug/l	99
69) o-Xylene	12.117	106	106817	19.968	ug/l	98
70) Styrene	12.135	104	174806	19.799	ug/l	98
71) Bromoform	12.294	173	23601	19.354	ug/l #	99
73) Isopropylbenzene	12.417	105	287561	19.980	ug/l	98
74) N-amyl acetate	12.229	43	36327	16.283	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.670	83	31776	17.604	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	23128m	17.513	ug/l	
77) Bromobenzene	12.699	156	58806	19.249	ug/l	98
78) n-propylbenzene	12.764	91	341818	19.797	ug/l	99
79) 2-Chlorotoluene	12.846	91	185959	19.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	223936	19.682	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	10688	15.455	ug/l	94
82) 4-Chlorotoluene	12.946	91	183423	18.994	ug/l	97
83) tert-Butylbenzene	13.164	119	203332	19.875	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	217392	19.418	ug/l	100
85) sec-Butylbenzene	13.341	105	302935	20.001	ug/l	100
86) p-Isopropyltoluene	13.458	119	252967	20.140	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	119184	19.636	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	118056	19.891	ug/l	99
89) n-Butylbenzene	13.782	91	235528	19.665	ug/l	98
90) Hexachloroethane	14.052	117	48291	19.710	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	95724	19.083	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	4396	17.688	ug/l	93
93) 1,2,4-Trichlorobenzene	15.093	180	57605	18.596	ug/l	99
94) Hexachlorobutadiene	15.199	225	35713	20.704	ug/l	97
95) Naphthalene	15.329	128	86306	17.121	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	44753	17.833	ug/l	99

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

