

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111925\
 Data File : VD080543.D
 Acq On : 19 Nov 2025 10:45
 Operator : RP/MD
 Sample : VD1119SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 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 04:05:09 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	275503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	448356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	376583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	172196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	103278	44.646	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.300%		
35) Dibromofluoromethane	7.806	113	121262	45.940	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.880%		
50) Toluene-d8	10.270	98	494282	46.289	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.580%		
62) 4-Bromofluorobenzene	12.570	95	139372	45.400	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	39458	19.218	ug/l	98
3) Chloromethane	2.147	50	61550	18.568	ug/l	100
4) Vinyl Chloride	2.288	62	76810	19.557	ug/l	98
5) Bromomethane	2.694	94	58299	20.019	ug/l	98
6) Chloroethane	2.841	64	53721	19.925	ug/l	98
7) Trichlorofluoromethane	3.182	101	89480	20.020	ug/l	91
8) Diethyl Ether	3.594	74	21813	17.709	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.970	101	55279	19.570	ug/l	99
10) Methyl Iodide	4.170	142	67948	18.709	ug/l	98
11) Tert butyl alcohol	5.047	59	12635	117.279	ug/l #	83
12) 1,1-Dichloroethene	3.947	96	56889	19.136	ug/l	91
13) Acrolein	3.800	56	16993	90.670	ug/l	100
14) Allyl chloride	4.564	41	80469	17.334	ug/l	94
15) Acrylonitrile	5.259	53	43944	88.385	ug/l	99
16) Acetone	4.017	43	29248	86.484	ug/l	100
17) Carbon Disulfide	4.282	76	176584	18.459	ug/l	100
18) Methyl Acetate	4.564	43	17313	16.646	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	96138	18.243	ug/l	96
20) Methylene Chloride	4.800	84	69842	20.457	ug/l	97
21) trans-1,2-Dichloroethene	5.323	96	62879	18.967	ug/l	96
22) Diisopropyl ether	6.211	45	150317	17.918	ug/l	95
23) Vinyl Acetate	6.159	43	377746	86.470	ug/l	99
24) 1,1-Dichloroethane	6.117	63	105796	18.445	ug/l	98
25) 2-Butanone	7.082	43	44960	84.787	ug/l	93
26) 2,2-Dichloropropane	7.082	77	94278	19.112	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	72701	18.822	ug/l	98
28) Bromochloromethane	7.429	49	38410	18.298	ug/l	95
29) Tetrahydrofuran	7.441	42	29185	82.612	ug/l	94
30) Chloroform	7.600	83	106077	18.859	ug/l	94
31) Cyclohexane	7.876	56	100467	18.285	ug/l	96
32) 1,1,1-Trichloroethane	7.794	97	99451	20.127	ug/l	100
36) 1,1-Dichloropropene	8.011	75	82542	20.229	ug/l	96
37) Ethyl Acetate	7.164	43	24260	19.656	ug/l	98
38) Carbon Tetrachloride	7.994	117	86240	21.032	ug/l	97
39) Methylcyclohexane	9.276	83	104884	19.482	ug/l	97
40) Benzene	8.253	78	244312	19.337	ug/l	99

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41) Methacrylonitrile	7.394	41	13089	16.234	ug/l	98
42) 1,2-Dichloroethane	8.329	62	52303	19.835	ug/l	97
43) Isopropyl Acetate	8.364	43	42575	17.586	ug/l #	82
44) Trichloroethene	9.029	130	63080	19.750	ug/l	91
45) 1,2-Dichloropropane	9.305	63	56695	19.599	ug/l	99
46) Dibromomethane	9.394	93	27331	19.154	ug/l	96
47) Bromodichloromethane	9.588	83	77928	20.223	ug/l	99
48) Methyl methacrylate	9.382	41	22768	18.945	ug/l	95
49) 1,4-Dioxane	9.382	88	4959	372.831	ug/l #	88
51) 4-Methyl-2-Pentanone	10.158	43	102108	90.898	ug/l	100
52) Toluene	10.335	92	157481	19.709	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	65382	19.147	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	83176	18.887	ug/l	93
55) 1,1,2-Trichloroethane	10.735	97	33911	18.578	ug/l	95
56) Ethyl methacrylate	10.594	69	39260	18.640	ug/l	97
57) 1,3-Dichloropropane	10.876	76	61879	19.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	112844	95.487	ug/l	97
59) 2-Hexanone	10.923	43	71460	91.000	ug/l	97
60) Dibromochloromethane	11.070	129	47160	19.443	ug/l	99
61) 1,2-Dibromoethane	11.176	107	34269	19.518	ug/l	98
64) Tetrachloroethene	10.811	164	54208	20.012	ug/l	98
65) Chlorobenzene	11.605	112	167512	19.976	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	51414	19.604	ug/l	98
67) Ethyl Benzene	11.682	91	297675	19.584	ug/l	96
68) m/p-Xylenes	11.794	106	234028	40.260	ug/l	97
69) o-Xylene	12.117	106	104431	19.431	ug/l	98
70) Styrene	12.135	104	173691	19.581	ug/l	99
71) Bromoform	12.299	173	24918	20.339	ug/l #	97
73) Isopropylbenzene	12.417	105	283068	19.366	ug/l	99
74) N-amyl acetate	12.229	43	38687	17.075	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	34239	18.677	ug/l	100
76) 1,2,3-Trichloropropane	12.717	75	24890m	18.558	ug/l	
77) Bromobenzene	12.699	156	60564	19.520	ug/l	98
78) n-propylbenzene	12.758	91	343395	19.583	ug/l	100
79) 2-Chlorotoluene	12.846	91	182541	18.922	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	223898	19.377	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	12504	17.804	ug/l	96
82) 4-Chlorotoluene	12.946	91	187029	19.070	ug/l	98
83) tert-Butylbenzene	13.164	119	202239	19.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	219743	19.327	ug/l	99
85) sec-Butylbenzene	13.341	105	305818	19.881	ug/l	99
86) p-Isopropyltoluene	13.458	119	253193	19.849	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	118768	19.267	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	116711	19.362	ug/l	99
89) n-Butylbenzene	13.782	91	235807	19.386	ug/l	99
90) Hexachloroethane	14.052	117	47049	18.908	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	97661	19.170	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	4611	18.268	ug/l	97
93) 1,2,4-Trichlorobenzene	15.093	180	60594	19.260	ug/l	98
94) Hexachlorobutadiene	15.199	225	35738	20.401	ug/l	97
95) Naphthalene	15.329	128	93727	18.307	ug/l	98
96) 1,2,3-Trichlorobenzene	15.523	180	48111	18.877	ug/l	99

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

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