

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080531.D
 Acq On : 18 Nov 2025 08:57
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 08:19:19 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	314436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	513722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	420002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	186899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	118920	45.043	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.080%		
35) Dibromofluoromethane	7.805	113	141598	46.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.640%		
50) Toluene-d8	10.270	98	582721	47.628	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.260%		
62) 4-Bromofluorobenzene	12.570	95	164132	46.663	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	116403	49.674	ug/l	97
3) Chloromethane	2.147	50	174211	46.047	ug/l	97
4) Vinyl Chloride	2.288	62	215907	48.166	ug/l	97
5) Bromomethane	2.700	94	163413	49.167	ug/l	100
6) Chloroethane	2.847	64	146337	47.557	ug/l	98
7) Trichlorofluoromethane	3.182	101	253691	49.733	ug/l	95
8) Diethyl Ether	3.594	74	60861	43.291	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.970	101	160080	49.655	ug/l	98
10) Methyl Iodide	4.170	142	214929	51.851	ug/l	99
11) Tert butyl alcohol	5.047	59	23656	192.389	ug/l #	95
12) 1,1-Dichloroethene	3.947	96	164194	48.392	ug/l	97
13) Acrolein	3.794	56	38175	178.470	ug/l	96
14) Allyl chloride	4.564	41	244687	46.181	ug/l	95
15) Acrylonitrile	5.253	53	119520	210.627	ug/l	98
16) Acetone	4.017	43	80172	207.710	ug/l	95
17) Carbon Disulfide	4.276	76	521745	47.787	ug/l	97
18) Methyl Acetate	4.559	43	50215	42.303	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	264104	43.910	ug/l	100
20) Methylene Chloride	4.800	84	178987	45.935	ug/l	97
21) trans-1,2-Dichloroethene	5.317	96	181234	47.900	ug/l	99
22) Diisopropyl ether	6.217	45	428133	44.716	ug/l	99
23) Vinyl Acetate	6.153	43	1080402	216.693	ug/l	100
24) 1,1-Dichloroethane	6.111	63	306367	46.800	ug/l	97
25) 2-Butanone	7.082	43	125922	208.065	ug/l	99
26) 2,2-Dichloropropane	7.076	77	275333	48.903	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	207895	47.159	ug/l	98
28) Bromochloromethane	7.429	49	107486	44.866	ug/l	95
29) Tetrahydrofuran	7.441	42	80592	199.881	ug/l	97
30) Chloroform	7.594	83	303534	47.283	ug/l	93
31) Cyclohexane	7.876	56	287219	45.803	ug/l	99
32) 1,1,1-Trichloroethane	7.794	97	282347	50.067	ug/l	100
36) 1,1-Dichloropropene	8.011	75	234366	50.130	ug/l	99
37) Ethyl Acetate	7.164	43	58564	41.412	ug/l #	95
38) Carbon Tetrachloride	7.994	117	244822	52.110	ug/l	92
39) Methylcyclohexane	9.270	83	312523	50.663	ug/l	98
40) Benzene	8.252	78	709029	48.977	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	42853	46.387	ug/l	92
42) 1,2-Dichloroethane	8.329	62	144645	47.876	ug/l	100
43) Isopropyl Acetate	8.358	43	120929	43.595	ug/l	98
44) Trichloroethene	9.029	130	184187	50.329	ug/l	96
45) 1,2-Dichloropropane	9.305	63	160170	48.325	ug/l	97
46) Dibromomethane	9.394	93	77306	47.285	ug/l	99
47) Bromodichloromethane	9.582	83	215833	48.884	ug/l	97
48) Methyl methacrylate	9.382	41	61187	44.435	ug/l	96
49) 1,4-Dioxane	9.382	88	13826	907.214	ug/l #	94
51) 4-Methyl-2-Pentanone	10.158	43	274637	213.379	ug/l	99
52) Toluene	10.335	92	447142	48.840	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	181328	46.346	ug/l	96
54) cis-1,3-Dichloropropene	10.017	75	242951	48.147	ug/l	96
55) 1,1,2-Trichloroethane	10.729	97	96891	46.326	ug/l	96
56) Ethyl methacrylate	10.593	69	109702	45.457	ug/l	98
57) 1,3-Dichloropropane	10.876	76	167737	45.990	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	313950	231.857	ug/l	97
59) 2-Hexanone	10.917	43	194056	215.674	ug/l	98
60) Dibromochloromethane	11.070	129	134307	48.326	ug/l	98
61) 1,2-Dibromoethane	11.182	107	92292	45.877	ug/l	98
64) Tetrachloroethene	10.811	164	156326	51.744	ug/l	98
65) Chlorobenzene	11.605	112	470100	50.264	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.682	131	149840	51.227	ug/l	99
67) Ethyl Benzene	11.682	91	855945	50.492	ug/l	100
68) m/p-Xylenes	11.793	106	665170	102.599	ug/l	100
69) o-Xylene	12.117	106	306683	51.165	ug/l	97
70) Styrene	12.135	104	497161	50.254	ug/l	100
71) Bromoform	12.293	173	67646	49.506	ug/l #	100
73) Isopropylbenzene	12.417	105	814875	51.363	ug/l	99
74) N-amyl acetate	12.229	43	108818	44.249	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	90464	45.465	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	71997m	49.457	ug/l	
77) Bromobenzene	12.699	156	169869	50.443	ug/l	97
78) n-propylbenzene	12.764	91	978664	51.420	ug/l	99
79) 2-Chlorotoluene	12.846	91	523124	49.962	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	650143	51.839	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	33514	43.965	ug/l	97
82) 4-Chlorotoluene	12.946	91	538265	50.566	ug/l	99
83) tert-Butylbenzene	13.164	119	578470	51.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	631687	51.188	ug/l	100
85) sec-Butylbenzene	13.340	105	870852	52.160	ug/l	99
86) p-Isopropyltoluene	13.458	119	718048	51.863	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	344320	51.463	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	326615	49.923	ug/l	99
89) n-Butylbenzene	13.782	91	682932	51.728	ug/l	99
90) Hexachloroethane	14.052	117	135354	50.116	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	274180	49.585	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.446	75	11631	42.456	ug/l	94
93) 1,2,4-Trichlorobenzene	15.099	180	170143	49.827	ug/l	99
94) Hexachlorobutadiene	15.199	225	98891	52.010	ug/l	100
95) Naphthalene	15.329	128	257879	46.408	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	132247	47.806	ug/l	97

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

