

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080538.D
 Acq On : 18 Nov 2025 14:06
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 19 08:31:56 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	280541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	455271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	377333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	169286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	110322	46.835	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.660%		
35) Dibromofluoromethane	7.800	113	133504	49.810	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.620%		
50) Toluene-d8	10.264	98	542608	50.043	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.080%		
62) 4-Bromofluorobenzene	12.570	95	150827	48.385	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	102973	49.252	ug/l	96
3) Chloromethane	2.147	50	160408	47.522	ug/l	99
4) Vinyl Chloride	2.288	62	201424	50.364	ug/l	97
5) Bromomethane	2.700	94	144075	48.586	ug/l	99
6) Chloroethane	2.841	64	138397	50.410	ug/l	97
7) Trichlorofluoromethane	3.182	101	231380	50.840	ug/l	100
8) Diethyl Ether	3.600	74	53551	42.694	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.965	101	145770	50.680	ug/l	99
10) Methyl Iodide	4.165	142	198277	53.613	ug/l	98
11) Tert butyl alcohol	5.047	59	24107	219.745	ug/l	99
12) 1,1-Dichloroethene	3.947	96	148941	49.200	ug/l	99
13) Acrolein	3.800	56	31598	165.570	ug/l	98
14) Allyl chloride	4.564	41	216386	45.774	ug/l	95
15) Acrylonitrile	5.253	53	111420	220.075	ug/l	98
16) Acetone	4.017	43	74178	215.400	ug/l	95
17) Carbon Disulfide	4.276	76	461521	47.378	ug/l	100
18) Methyl Acetate	4.564	43	46260	43.680	ug/l	98
19) Methyl tert-butyl Ether	5.311	73	247670	46.152	ug/l	99
20) Methylene Chloride	4.800	84	162026	46.606	ug/l	97
21) trans-1,2-Dichloroethene	5.317	96	164820	48.825	ug/l	97
22) Diisopropyl ether	6.211	45	386060	45.194	ug/l	98
23) Vinyl Acetate	6.153	43	999752	224.743	ug/l	98
24) 1,1-Dichloroethane	6.111	63	277874	47.576	ug/l	99
25) 2-Butanone	7.076	43	115929	214.696	ug/l	99
26) 2,2-Dichloropropane	7.076	77	248347	49.440	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	186476	47.411	ug/l	99
28) Bromochloromethane	7.429	49	93832	43.898	ug/l	94
29) Tetrahydrofuran	7.441	42	76495	212.642	ug/l	96
30) Chloroform	7.594	83	279799	48.852	ug/l	91
31) Cyclohexane	7.876	56	257868	46.090	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	254931	50.667	ug/l	99
36) 1,1-Dichloropropene	8.011	75	211694	51.093	ug/l	100
37) Ethyl Acetate	7.170	43	55098	43.963	ug/l	98
38) Carbon Tetrachloride	7.994	117	225198	54.087	ug/l	96
39) Methylcyclohexane	9.270	83	283174	51.799	ug/l	98
40) Benzene	8.247	78	637200	49.666	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	35378	43.212	ug/l	97
42) 1,2-Dichloroethane	8.323	62	135449	50.588	ug/l	98
43) Isopropyl Acetate	8.358	43	113202	46.049	ug/l	97
44) Trichloroethene	9.029	130	168442	51.936	ug/l	97
45) 1,2-Dichloropropane	9.305	63	141890	48.306	ug/l	98
46) Dibromomethane	9.394	93	72580	50.094	ug/l	99
47) Bromodichloromethane	9.582	83	197776	50.545	ug/l #	97
48) Methyl methacrylate	9.376	41	57641	47.234	ug/l	98
49) 1,4-Dioxane	9.382	88	12903	955.349	ug/l	99
51) 4-Methyl-2-Pentanone	10.158	43	260463	228.347	ug/l	99
52) Toluene	10.329	92	414369	51.071	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	171993	49.604	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	221037	49.428	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	90213	48.671	ug/l	95
56) Ethyl methacrylate	10.594	69	101225	47.330	ug/l	98
57) 1,3-Dichloropropane	10.876	76	155457	48.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.864	63	287114	239.261	ug/l	96
59) 2-Hexanone	10.917	43	178040	223.278	ug/l	99
60) Dibromochloromethane	11.070	129	124940	50.728	ug/l	99
61) 1,2-Dibromoethane	11.176	107	87124	48.868	ug/l	98
64) Tetrachloroethene	10.805	164	141499	52.132	ug/l	97
65) Chlorobenzene	11.605	112	433292	51.567	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	136062	51.777	ug/l	99
67) Ethyl Benzene	11.682	91	784907	51.537	ug/l	100
68) m/p-Xylenes	11.794	106	608714	104.509	ug/l	100
69) o-Xylene	12.117	106	278479	51.713	ug/l	98
70) Styrene	12.135	104	459320	51.680	ug/l	99
71) Bromoform	12.293	173	63148	51.441	ug/l #	98
73) Isopropylbenzene	12.417	105	745605	51.886	ug/l	99
74) N-amyl acetate	12.229	43	101565	45.597	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	87087	48.322	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	63471m	48.137	ug/l	
77) Bromobenzene	12.699	156	155725	51.054	ug/l	97
78) n-propylbenzene	12.758	91	896697	52.016	ug/l	100
79) 2-Chlorotoluene	12.846	91	481555	50.777	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	593167	52.217	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	31906	46.211	ug/l	98
82) 4-Chlorotoluene	12.946	91	488248	50.639	ug/l	99
83) tert-Butylbenzene	13.164	119	525131	51.411	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	576181	51.548	ug/l	98
85) sec-Butylbenzene	13.340	105	788505	52.142	ug/l	99
86) p-Isopropyltoluene	13.458	119	661096	52.717	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	316570	52.238	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	299164	50.484	ug/l	100
89) n-Butylbenzene	13.782	91	623085	52.105	ug/l	99
90) Hexachloroethane	14.052	117	122865	50.225	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	251901	50.296	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	12280	49.489	ug/l	90
93) 1,2,4-Trichlorobenzene	15.099	180	155532	50.287	ug/l	99
94) Hexachlorobutadiene	15.199	225	89947	52.228	ug/l	99
95) Naphthalene	15.329	128	242351	48.152	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	121507	48.493	ug/l	99

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

