

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080407.D
 Acq On : 04 Jun 2025 10:20
 Operator : RP/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 05 02:00:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060425S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 05 01:47:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	188356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	310964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	287925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	150054	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	214534	93.870	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 187.740%#	
35) Dibromofluoromethane	7.806	113	196085	100.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 201.800%#	
50) Toluene-d8	10.270	98	818576	107.810	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 215.620%#	
62) 4-Bromofluorobenzene	12.570	95	269207	112.906	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 225.820%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.935	85	178192	86.921	ug/l	99
3) Chloromethane	2.147	50	312672	86.412	ug/l	97
4) Vinyl Chloride	2.288	62	360389	88.761	ug/l	100
5) Bromomethane	2.694	94	205724	80.668	ug/l	97
6) Chloroethane	2.841	64	230840	87.855	ug/l	100
7) Trichlorofluoromethane	3.176	101	334413	91.172	ug/l	99
8) Diethyl Ether	3.588	74	111925	92.285	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.970	101	194424	89.131	ug/l	99
10) Methyl Iodide	4.165	142	240395	108.257	ug/l	98
11) Tert butyl alcohol	5.053	59	65286	456.939	ug/l #	92
12) 1,1-Dichloroethene	3.941	96	208119	93.192	ug/l	96
13) Acrolein	3.794	56	98183	450.541	ug/l	97
14) Allyl chloride	4.565	41	369367	98.052	ug/l	99
15) Acrylonitrile	5.253	53	272911	492.037	ug/l	99
16) Acetone	4.018	43	205037	439.226	ug/l	99
17) Carbon Disulfide	4.270	76	713255	91.755	ug/l	99
18) Methyl Acetate	4.565	43	139729	91.009	ug/l	98
19) Methyl tert-butyl Ether	5.317	73	516880	103.480	ug/l	100
20) Methylene Chloride	4.800	84	242340	88.923	ug/l	92
21) trans-1,2-Dichloroethene	5.312	96	233911	97.020	ug/l	98
22) Diisopropyl ether	6.217	45	758752	101.872	ug/l	96
23) Vinyl Acetate	6.153	43	2245982	521.229	ug/l	100
24) 1,1-Dichloroethane	6.112	63	421372	93.547	ug/l	98
25) 2-Butanone	7.082	43	334259	489.025	ug/l	97
26) 2,2-Dichloropropane	7.076	77	340370	94.894	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	274479	101.085	ug/l	97
28) Bromochloromethane	7.423	49	184448	92.543	ug/l #	99
29) Tetrahydrofuran	7.447	42	227297	516.879	ug/l	99
30) Chloroform	7.594	83	420252	96.117	ug/l	95
31) Cyclohexane	7.882	56	381447	93.603	ug/l	96
32) 1,1,1-Trichloroethane	7.794	97	350996	95.994	ug/l	98
36) 1,1-Dichloropropene	8.006	75	298046	97.854	ug/l	99
37) Ethyl Acetate	7.170	43	153441	102.812	ug/l	98
38) Carbon Tetrachloride	7.994	117	296648	96.355	ug/l	98
39) Methylcyclohexane	9.276	83	384550	106.587	ug/l	97
40) Benzene	8.253	78	955541	100.756	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	92327	100.437	ug/l	93
42) 1,2-Dichloroethane	8.323	62	246233	95.369	ug/l	99
43) Isopropyl Acetate	8.364	43	293075	103.285	ug/l	98
44) Trichloroethene	9.029	130	220344	100.310	ug/l	99
45) 1,2-Dichloropropane	9.305	63	233045	99.788	ug/l	100
46) Dibromomethane	9.394	93	125569	100.993	ug/l	99
47) Bromodichloromethane	9.582	83	317623	100.585	ug/l	98
48) Methyl methacrylate	9.376	41	151983	109.207	ug/l	99
49) 1,4-Dioxane	9.388	88	30876	2226.153	ug/l	94
51) 4-Methyl-2-Pentanone	10.158	43	782368	539.689	ug/l	98
52) Toluene	10.335	92	600666	108.893	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	310003	110.025	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	360255	105.643	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	167499	103.464	ug/l	98
56) Ethyl methacrylate	10.594	69	240926	117.077	ug/l	98
57) 1,3-Dichloropropane	10.876	76	294102	105.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	484120	561.372	ug/l	99
59) 2-Hexanone	10.917	43	536663	551.111	ug/l	98
60) Dibromochloromethane	11.070	129	211862	106.743	ug/l	100
61) 1,2-Dibromoethane	11.176	107	154983	107.320	ug/l	99
64) Tetrachloroethene	10.805	164	186046	96.237	ug/l	97
65) Chlorobenzene	11.605	112	631652	99.183	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	212031	99.166	ug/l	98
67) Ethyl Benzene	11.682	91	1152227	105.136	ug/l	99
68) m/p-Xylenes	11.788	106	886677	213.201	ug/l	100
69) o-Xylene	12.117	106	413156	107.063	ug/l	100
70) Styrene	12.135	104	727874	106.866	ug/l	100
71) Bromoform	12.294	173	123069	101.817	ug/l #	99
73) Isopropylbenzene	12.417	105	1064703	104.530	ug/l	100
74) N-amyl acetate	12.229	43	289730	101.879	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	199691	94.783	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	149621m	86.339	ug/l	
77) Bromobenzene	12.699	156	251649	99.637	ug/l	99
78) n-propylbenzene	12.758	91	1334136	100.861	ug/l	99
79) 2-Chlorotoluene	12.846	91	758180	100.256	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	905081	103.801	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	74785	96.608	ug/l	99
82) 4-Chlorotoluene	12.946	91	795190	98.771	ug/l	99
83) tert-Butylbenzene	13.164	119	766956	105.674	ug/l	97
84) 1,2,4-Trimethylbenzene	13.205	105	925837	105.200	ug/l	99
85) sec-Butylbenzene	13.341	105	1166897	104.811	ug/l	100
86) p-Isopropyltoluene	13.458	119	997374	105.646	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	516220	100.368	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	507343	96.840	ug/l	99
89) n-Butylbenzene	13.782	91	964042	103.488	ug/l	100
90) Hexachloroethane	14.052	117	189354	95.357	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	450305	99.340	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	31924	93.560	ug/l	95
93) 1,2,4-Trichlorobenzene	15.093	180	294749	106.360	ug/l	100
94) Hexachlorobutadiene	15.199	225	141059	102.166	ug/l	99
95) Naphthalene	15.329	128	596566	111.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	263630	106.247	ug/l	99

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

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