

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080299.D
 Acq On : 13 May 2025 13:01
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025
 Supervised By :Semsettin Yesilyurt 05/14/2025

Quant Time: May 14 01:31:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.870	168	124491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	192036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	183252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	104040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	72391	44.967	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.940%		
35) Dibromofluoromethane	7.805	113	66022	51.295	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.600%		
50) Toluene-d8	10.264	98	264054	52.068	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.140%		
62) 4-Bromofluorobenzene	12.570	95	84877	52.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	46384	41.363	ug/l	96
3) Chloromethane	2.153	50	93124	42.825	ug/l	95
4) Vinyl Chloride	2.276	62	129292	39.949	ug/l	100
5) Bromomethane	2.682	94	88633	38.046	ug/l	98
6) Chloroethane	2.829	64	98105	42.873	ug/l	93
7) Trichlorofluoromethane	3.165	101	113420	45.704	ug/l	92
8) Diethyl Ether	3.594	74	32391	42.284	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.959	101	67403	44.083	ug/l	99
10) Methyl Iodide	4.153	142	73386	47.084	ug/l	97
11) Tert butyl alcohol	5.070	59	19659	201.240	ug/l #	80
12) 1,1-Dichloroethene	3.929	96	63107	41.865	ug/l	98
13) Acrolein	3.794	56	18576	108.074	ug/l	99
14) Allyl chloride	4.559	41	96722	40.799	ug/l	98
15) Acrylonitrile	5.253	53	77982	211.747	ug/l	98
16) Acetone	4.023	43	61938	250.848	ug/l	96
17) Carbon Disulfide	4.264	76	217906	41.629	ug/l	100
18) Methyl Acetate	4.559	43	41186	39.537	ug/l	97
19) Methyl tert-butyl Ether	5.323	73	154126	46.542	ug/l	99
20) Methylene Chloride	4.800	84	79239	45.764	ug/l	87
21) trans-1,2-Dichloroethene	5.306	96	73567	44.924	ug/l	97
22) Diisopropyl ether	6.217	45	225865	46.250	ug/l	95
23) Vinyl Acetate	6.158	43	657498	231.164	ug/l	97
24) 1,1-Dichloroethane	6.106	63	136793	44.514	ug/l	99
25) 2-Butanone	7.082	43	97094	219.199	ug/l	96
26) 2,2-Dichloropropane	7.076	77	114415	46.790	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	82252	45.335	ug/l	96
28) Bromochloromethane	7.423	49	63649	44.484	ug/l #	91
29) Tetrahydrofuran	7.441	42	65133	225.521	ug/l	99
30) Chloroform	7.594	83	141323	46.116	ug/l	96
31) Cyclohexane	7.876	56	113235	43.295	ug/l	99
32) 1,1,1-Trichloroethane	7.788	97	118998	47.595	ug/l	98
36) 1,1-Dichloropropene	8.005	75	97403	50.636	ug/l	98
37) Ethyl Acetate	7.170	43	46341	46.070	ug/l	97
38) Carbon Tetrachloride	7.988	117	102952	51.319	ug/l	96
39) Methylcyclohexane	9.270	83	115222	51.620	ug/l	98
40) Benzene	8.247	78	295721	49.064	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	24861	44.662	ug/l	92
42) 1,2-Dichloroethane	8.323	62	87169	49.910	ug/l	99
43) Isopropyl Acetate	8.358	43	88848	48.711	ug/l	95
44) Trichloroethene	9.029	130	72029	51.482	ug/l	99
45) 1,2-Dichloropropane	9.305	63	79559	51.468	ug/l	93
46) Dibromomethane	9.394	93	43722	51.950	ug/l	97
47) Bromodichloromethane	9.582	83	110049	51.517	ug/l	98
48) Methyl methacrylate	9.382	41	43198	49.844	ug/l	94
49) 1,4-Dioxane	9.388	88	10397	1039.070	ug/l	97
51) 4-Methyl-2-Pentanone	10.158	43	241110	256.551	ug/l	97
52) Toluene	10.329	92	188511	51.915	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	96590	49.599	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	114117	50.569	ug/l	97
55) 1,1,2-Trichloroethane	10.729	97	58508	52.556	ug/l	97
56) Ethyl methacrylate	10.594	69	71873	53.279	ug/l	98
57) 1,3-Dichloropropane	10.876	76	95193	51.450	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	150963	273.453	ug/l	98
59) 2-Hexanone	10.917	43	166811	258.022	ug/l	97
60) Dibromochloromethane	11.070	129	72484	51.955	ug/l	97
61) 1,2-Dibromoethane	11.176	107	52721	51.072	ug/l	98
64) Tetrachloroethene	10.805	164	63598	51.250	ug/l	97
65) Chlorobenzene	11.605	112	204518	49.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	71607	50.371	ug/l	97
67) Ethyl Benzene	11.682	91	360928	52.197	ug/l	97
68) m/p-Xylenes	11.788	106	287954	107.251	ug/l	99
69) o-Xylene	12.117	106	129578	52.816	ug/l	96
70) Styrene	12.135	104	235321	53.416	ug/l	99
71) Bromoform	12.299	173	45212	53.531	ug/l #	95
73) Isopropylbenzene	12.417	105	332443	49.259	ug/l	100
74) N-amyl acetate	12.229	43	90245	46.590	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	70078	47.218	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	44461m	44.278	ug/l	
77) Bromobenzene	12.699	156	84567	48.308	ug/l	97
78) n-propylbenzene	12.758	91	439842	51.933	ug/l	100
79) 2-Chlorotoluene	12.846	91	245261	49.785	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	300352	52.178	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.464	75	25255	47.741	ug/l	93
82) 4-Chlorotoluene	12.940	91	263782	49.604	ug/l	99
83) tert-Butylbenzene	13.164	119	243027	50.594	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	303896	51.599	ug/l	98
85) sec-Butylbenzene	13.340	105	375224	50.655	ug/l	100
86) p-Isopropyltoluene	13.458	119	326206	52.398	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	174061	47.677	ug/l	97
88) 1,4-Dichlorobenzene	13.535	146	172781	46.945	ug/l	98
89) n-Butylbenzene	13.782	91	310638	51.402	ug/l	99
90) Hexachloroethane	14.052	117	67018	48.653	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	154491	48.714	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	10724	45.338	ug/l	98
93) 1,2,4-Trichlorobenzene	15.093	180	96552	48.410	ug/l	97
94) Hexachlorobutadiene	15.199	225	50051	48.236	ug/l	99
95) Naphthalene	15.329	128	174990	46.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	86666	48.585	ug/l	98

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

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