

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
 Data File : VD080293.D
 Acq On : 06 May 2025 14:51
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
 Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 03:18:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 03:09:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	128973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	210047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	193788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	106560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	76123	45.642	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.280%		
35) Dibromofluoromethane	7.806	113	70249	49.899	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.800%		
50) Toluene-d8	10.264	98	279337	50.359	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.720%		
62) 4-Bromofluorobenzene	12.570	95	89237	50.122	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	50088	43.400	ug/l	100
3) Chloromethane	2.153	50	103557	46.391	ug/l	100
4) Vinyl Chloride	2.277	62	137382	40.974	ug/l	100
5) Bromomethane	2.688	94	94361	39.098	ug/l	100
6) Chloroethane	2.829	64	100098	42.224	ug/l	100
7) Trichlorofluoromethane	3.165	101	109172	42.464	ug/l	100
8) Diethyl Ether	3.588	74	34955	44.045	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.965	101	67563	42.652	ug/l	100
10) Methyl Iodide	4.165	142	76353	47.285	ug/l	100
11) Tert butyl alcohol	5.070	59	22164	218.998	ug/l	100
12) 1,1-Dichloroethene	3.941	96	66338	42.479	ug/l	100
13) Acrolein	3.800	56	40366	226.685	ug/l	100
14) Allyl chloride	4.559	41	109199	44.461	ug/l	100
15) Acrylonitrile	5.253	53	83939	220.002	ug/l	100
16) Acetone	4.029	43	62782	243.872	ug/l	100
17) Carbon Disulfide	4.271	76	225804	41.639	ug/l	100
18) Methyl Acetate	4.571	43	44979	41.614	ug/l	100
19) Methyl tert-butyl Ether	5.323	73	160814	46.874	ug/l	100
20) Methylene Chloride	4.800	84	84733	47.369	ug/l	100
21) trans-1,2-Dichloroethene	5.306	96	75359	44.419	ug/l	100
22) Diisopropyl ether	6.217	45	241140	47.662	ug/l	100
23) Vinyl Acetate	6.159	43	717743	243.576	ug/l	100
24) 1,1-Dichloroethane	6.106	63	142067	44.623	ug/l	100
25) 2-Butanone	7.082	43	107372	233.978	ug/l	100
26) 2,2-Dichloropropane	7.076	77	113734	44.895	ug/l	100
27) cis-1,2-Dichloroethene	7.076	96	85505	45.490	ug/l	100
28) Bromochloromethane	7.423	49	69195	46.680	ug/l	100
29) Tetrahydrofuran	7.447	42	71264	238.175	ug/l	100
30) Chloroform	7.594	83	142796	44.977	ug/l	100
31) Cyclohexane	7.876	56	118553	43.753	ug/l	100
32) 1,1,1-Trichloroethane	7.794	97	115758	44.690	ug/l	100
36) 1,1-Dichloropropene	8.006	75	99739	47.404	ug/l	100
37) Ethyl Acetate	7.170	43	51033	46.506	ug/l	100
38) Carbon Tetrachloride	7.994	117	103294	47.075	ug/l	100
39) Methylcyclohexane	9.276	83	114223	46.784	ug/l	100
40) Benzene	8.247	78	307055	46.576	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	27077	44.472	ug/l	100
42) 1,2-Dichloroethane	8.323	62	88634	46.397	ug/l	100
43) Isopropyl Acetate	8.364	43	96669	48.454	ug/l	100
44) Trichloroethene	9.029	130	70080	45.794	ug/l	100
45) 1,2-Dichloropropane	9.300	63	80989	47.901	ug/l	100
46) Dibromomethane	9.394	93	43885	47.673	ug/l	100
47) Bromodichloromethane	9.582	83	110822	47.431	ug/l	100
48) Methyl methacrylate	9.382	41	46391	48.938	ug/l	100
49) 1,4-Dioxane	9.388	88	10636	971.810	ug/l	100
51) 4-Methyl-2-Pentanone	10.158	43	260803	253.710	ug/l	100
52) Toluene	10.329	92	192753	48.532	ug/l	100
53) t-1,3-Dichloropropene	10.553	75	102430	48.088	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	120266	48.724	ug/l	100
55) 1,1,2-Trichloroethane	10.735	97	59795	49.106	ug/l	100
56) Ethyl methacrylate	10.600	69	76440	51.806	ug/l	100
57) 1,3-Dichloropropane	10.876	76	97045	47.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	163412	270.621	ug/l	100
59) 2-Hexanone	10.917	43	178947	253.060	ug/l	100
60) Dibromochloromethane	11.070	129	74451	48.789	ug/l	100
61) 1,2-Dibromoethane	11.176	107	52865	46.820	ug/l	100
64) Tetrachloroethene	10.811	164	61207	46.641	ug/l	100
65) Chlorobenzene	11.605	112	207554	47.434	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.682	131	73799	49.091	ug/l	100
67) Ethyl Benzene	11.682	91	359794	49.204	ug/l	100
68) m/p-Xylenes	11.788	106	286214	100.807	ug/l	100
69) o-Xylene	12.117	106	128942	49.699	ug/l	100
70) Styrene	12.135	104	236218	50.705	ug/l	100
71) Bromoform	12.300	173	42622	47.720	ug/l #	100
73) Isopropylbenzene	12.417	105	338024	48.901	ug/l	100
74) N-amyl acetate	12.229	43	94478	47.622	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.670	83	69292	45.585	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	51319m	45.391	ug/l	
77) Bromobenzene	12.699	156	86515	48.252	ug/l	100
78) n-propylbenzene	12.758	91	432276	49.833	ug/l	100
79) 2-Chlorotoluene	12.847	91	245990	48.752	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	292798	49.663	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	26376	48.681	ug/l	100
82) 4-Chlorotoluene	12.941	91	259933	47.724	ug/l	100
83) tert-Butylbenzene	13.164	119	241235	49.033	ug/l	100
84) 1,2,4-Trimethylbenzene	13.205	105	304757	50.521	ug/l	100
85) sec-Butylbenzene	13.341	105	377527	49.761	ug/l	100
86) p-Isopropyltoluene	13.458	119	322757	50.618	ug/l	100
87) 1,3-Dichlorobenzene	13.452	146	175985	47.064	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	174810	46.373	ug/l	100
89) n-Butylbenzene	13.782	91	307571	49.691	ug/l	100
90) Hexachloroethane	14.046	117	66605	47.210	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	153988	47.407	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.441	75	11348	46.842	ug/l	100
93) 1,2,4-Trichlorobenzene	15.093	180	97524	47.741	ug/l	100
94) Hexachlorobutadiene	15.199	225	49856	46.912	ug/l	100
95) Naphthalene	15.329	128	179761	46.866	ug/l	100
96) 1,2,3-Trichlorobenzene	15.517	180	87786	48.049	ug/l	100

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

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