

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053025\
 Data File : VD080397.D
 Acq On : 30 May 2025 10:17
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/02/2025
 Supervised By :Semsettin Yesilyurt 06/02/2025

Quant Time: May 31 00:41:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D053025S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 31 00:36:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	128514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	218659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	167387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	88579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	72954	45.466	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.940%		
35) Dibromofluoromethane	7.806	113	70128	49.344	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.680%		
50) Toluene-d8	10.270	98	293401	51.309	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.620%		
62) 4-Bromofluorobenzene	12.570	95	74914	42.800	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	66257	45.026	ug/l	100
3) Chloromethane	2.153	50	121031	48.223	ug/l	100
4) Vinyl Chloride	2.288	62	139806	49.864	ug/l	100
5) Bromomethane	2.694	94	86074	43.217	ug/l	100
6) Chloroethane	2.841	64	90583	47.477	ug/l	100
7) Trichlorofluoromethane	3.176	101	129054	50.089	ug/l	100
8) Diethyl Ether	3.600	74	39628	52.175	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.970	101	76184	48.851	ug/l	100
10) Methyl Iodide	4.165	142	83885	54.569	ug/l	100
11) Tert butyl alcohol	5.047	59	21411	231.345	ug/l	100
12) 1,1-Dichloroethene	3.947	96	75305	50.609	ug/l	100
13) Acrolein	3.794	56	41571	259.770	ug/l	100
14) Allyl chloride	4.565	41	120738	49.236	ug/l	100
15) Acrylonitrile	5.253	53	91835	246.562	ug/l	100
16) Acetone	4.023	43	78548	261.369	ug/l	100
17) Carbon Disulfide	4.270	76	266643	49.834	ug/l	100
18) Methyl Acetate	4.570	43	49745	47.894	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	163617	49.548	ug/l	100
20) Methylene Chloride	4.800	84	88002	42.665	ug/l	100
21) trans-1,2-Dichloroethene	5.312	96	77341	47.535	ug/l	100
22) Diisopropyl ether	6.217	45	270256	53.909	ug/l	100
23) Vinyl Acetate	6.159	43	761187	265.976	ug/l	100
24) 1,1-Dichloroethane	6.112	63	146600	46.997	ug/l	100
25) 2-Butanone	7.082	43	110591	245.745	ug/l	100
26) 2,2-Dichloropropane	7.082	77	117587	47.309	ug/l	100
27) cis-1,2-Dichloroethene	7.082	96	88141	47.313	ug/l	100
28) Bromochloromethane	7.423	49	66745	45.598	ug/l	100
29) Tetrahydrofuran	7.441	42	76043	251.242	ug/l	100
30) Chloroform	7.600	83	145467	46.065	ug/l	100
31) Cyclohexane	7.876	56	132787	47.604	ug/l	100
32) 1,1,1-Trichloroethane	7.794	97	126530	47.862	ug/l	100
36) 1,1-Dichloropropene	8.006	75	106502	48.756	ug/l	100
37) Ethyl Acetate	7.170	43	52639	49.201	ug/l	100
38) Carbon Tetrachloride	7.994	117	104675	47.298	ug/l	100
39) Methylcyclohexane	9.276	83	124315	50.180	ug/l	100
40) Benzene	8.253	78	319724	48.451	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	28223	46.775	ug/l	100
42) 1,2-Dichloroethane	8.329	62	91678	48.562	ug/l	100
43) Isopropyl Acetate	8.364	43	99405	50.236	ug/l	100
44) Trichloroethene	9.029	130	76508	49.434	ug/l	100
45) 1,2-Dichloropropane	9.306	63	81684	48.246	ug/l	100
46) Dibromomethane	9.394	93	44857	48.934	ug/l	100
47) Bromodichloromethane	9.582	83	114108	49.168	ug/l	100
48) Methyl methacrylate	9.382	41	51965	53.968	ug/l	100
49) 1,4-Dioxane	9.388	88	10023	1028.918	ug/l	100
51) 4-Methyl-2-Pentanone	10.158	43	268486	257.103	ug/l	100
52) Toluene	10.335	92	207735	51.892	ug/l	100
53) t-1,3-Dichloropropene	10.553	75	113649	53.087	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	121209	49.436	ug/l	100
55) 1,1,2-Trichloroethane	10.735	97	63459	51.766	ug/l	100
56) Ethyl methacrylate	10.594	69	81319	47.090	ug/l	100
57) 1,3-Dichloropropane	10.876	76	106383	50.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	176272	282.137	ug/l	100
59) 2-Hexanone	10.923	43	192809	272.848	ug/l	100
60) Dibromochloromethane	11.070	129	70087	46.880	ug/l	100
61) 1,2-Dibromoethane	11.176	107	52246	47.521	ug/l	100
64) Tetrachloroethene	10.811	164	65850	58.386	ug/l	100
65) Chlorobenzene	11.605	112	185329	50.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.682	131	62649	50.651	ug/l	100
67) Ethyl Benzene	11.682	91	325793	52.611	ug/l	100
68) m/p-Xylenes	11.794	106	257602	106.218	ug/l	100
69) o-Xylene	12.123	106	117945	52.241	ug/l	100
70) Styrene	12.135	104	213223	53.567	ug/l	100
71) Bromoform	12.299	173	35805	52.333	ug/l #	100
73) Isopropylbenzene	12.417	105	305190	50.133	ug/l	100
74) N-amyl acetate	12.229	43	82610	50.036	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.670	83	61208	47.566	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	46645m	51.202	ug/l	100
77) Bromobenzene	12.699	156	71563	47.788	ug/l	100
78) n-propylbenzene	12.764	91	392686	51.883	ug/l	100
79) 2-Chlorotoluene	12.847	91	218420	50.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	262438	51.650	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.470	75	22030	48.316	ug/l	100
82) 4-Chlorotoluene	12.946	91	233220	50.139	ug/l	100
83) tert-Butylbenzene	13.164	119	215035	50.352	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	269721	53.357	ug/l	100
85) sec-Butylbenzene	13.341	105	334486	51.925	ug/l	100
86) p-Isopropyltoluene	13.458	119	285118	52.670	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	152440	49.671	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	147310	48.019	ug/l	100
89) n-Butylbenzene	13.788	91	320278	58.373	ug/l	100
90) Hexachloroethane	14.052	117	67194	55.971	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	145469	54.854	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.441	75	13104	62.514	ug/l	100
93) 1,2,4-Trichlorobenzene	15.099	180	106774	56.926	ug/l	100
94) Hexachlorobutadiene	15.199	225	55097	62.901	ug/l	100
95) Naphthalene	15.329	128	199736	54.864	ug/l	100
96) 1,2,3-Trichlorobenzene	15.517	180	97112	57.956	ug/l	100

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

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