

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053025\
 Data File : VD080394.D
 Acq On : 30 May 2025 08:59
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: May 31 00:38:57 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	111448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	190977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	165213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	87018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	8313	5.974	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.940%#		
35) Dibromofluoromethane	7.812	113	6062	4.884	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.760%#		
50) Toluene-d8	10.270	98	23727	4.751	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.500%#		
62) 4-Bromofluorobenzene	12.570	95	7565	4.948	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	7607	5.961	ug/l	96
3) Chloromethane	2.153	50	11369	5.223	ug/l	92
4) Vinyl Chloride	2.288	62	12520	5.149	ug/l #	89
5) Bromomethane	2.694	94	9753	5.647	ug/l	92
6) Chloroethane	2.847	64	9359	5.656	ug/l #	86
7) Trichlorofluoromethane	3.182	101	11739	5.254	ug/l #	81
8) Diethyl Ether	3.600	74	3153	4.787	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.976	101	7758	5.736	ug/l	98
10) Methyl Iodide	4.171	142	5035	3.777	ug/l	97
11) Tert butyl alcohol	5.059	59	2319	28.894	ug/l #	78
12) 1,1-Dichloroethene	3.941	96	6318	4.896	ug/l	90
13) Acrolein	3.806	56	3442	24.802	ug/l	95
14) Allyl chloride	4.571	41	10387	4.884	ug/l	97
15) Acrylonitrile	5.259	53	7603	23.539	ug/l	95
16) Acetone	4.018	43	6404	24.572	ug/l	97
17) Carbon Disulfide	4.276	76	23444	5.052	ug/l	97
18) Methyl Acetate	4.576	43	4516	5.014	ug/l	93
19) Methyl tert-butyl Ether	5.323	73	12246	4.276	ug/l	93
20) Methylene Chloride	4.812	84	11500	6.429	ug/l	93
21) trans-1,2-Dichloroethene	5.312	96	6542	4.637	ug/l	92
22) Diisopropyl ether	6.212	45	16966	3.903	ug/l #	94
23) Vinyl Acetate	6.165	43	48948	19.723	ug/l	96
24) 1,1-Dichloroethane	6.123	63	13359	4.938	ug/l #	91
25) 2-Butanone	7.082	43	8698	22.288	ug/l	97
26) 2,2-Dichloropropane	7.076	77	10743	4.984	ug/l	97
27) cis-1,2-Dichloroethene	7.088	96	7629	4.722	ug/l	99
28) Bromochloromethane	7.423	49	7154	5.636	ug/l	98
29) Tetrahydrofuran	7.453	42	6375	24.288	ug/l	94
30) Chloroform	7.594	83	14392	5.255	ug/l	91
31) Cyclohexane	7.882	56	13661	5.647	ug/l #	85
32) 1,1,1-Trichloroethane	7.788	97	12258	5.347	ug/l	99
36) 1,1-Dichloropropene	8.006	75	9577	5.020	ug/l	96
37) Ethyl Acetate	7.170	43	4096m	4.383	ug/l	
38) Carbon Tetrachloride	8.000	117	10938	5.659	ug/l	87
39) Methylcyclohexane	9.270	83	10107	4.671	ug/l	88
40) Benzene	8.253	78	29956	5.198	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.412	41	3087	5.858	ug/l #	66
42) 1,2-Dichloroethane	8.329	62	9037	5.481	ug/l	97
43) Isopropyl Acetate	8.359	43	7931	4.589	ug/l #	92
44) Trichloroethene	9.029	130	6817	5.043	ug/l	97
45) 1,2-Dichloropropane	9.306	63	7402	5.006	ug/l #	86
46) Dibromomethane	9.400	93	4173	5.212	ug/l	95
47) Bromodichloromethane	9.582	83	10019	4.943	ug/l	97
48) Methyl methacrylate	9.382	41	4028	4.790	ug/l #	91
49) 1,4-Dioxane	9.388	88	721	84.743	ug/l #	57
51) 4-Methyl-2-Pentanone	10.158	43	18239	19.997	ug/l	97
52) Toluene	10.335	92	15135	4.329	ug/l	90
53) t-1,3-Dichloropropene	10.553	75	7565	4.046	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	9581	4.474	ug/l	97
55) 1,1,2-Trichloroethane	10.735	97	4910	4.586	ug/l	93
56) Ethyl methacrylate	10.594	69	4432	6.673	ug/l #	75
57) 1,3-Dichloropropane	10.876	76	8016	4.382	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.870	63	11274	20.661	ug/l	98
59) 2-Hexanone	10.917	43	11798	19.116	ug/l	97
60) Dibromochloromethane	11.070	129	5978	4.578	ug/l	93
61) 1,2-Dibromoethane	11.176	107	4786	4.984	ug/l	93
64) Tetrachloroethene	10.805	164	5458	4.903	ug/l	97
65) Chlorobenzene	11.605	112	18162	5.015	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.676	131	6027	4.937	ug/l	93
67) Ethyl Benzene	11.682	91	27003	4.418	ug/l	94
68) m/p-Xylenes	11.788	106	20219	8.447	ug/l	95
69) o-Xylene	12.117	106	10114	4.539	ug/l	95
70) Styrene	12.135	104	16229	4.131	ug/l	93
71) Bromoform	12.300	173	2785	4.124	ug/l #	79
73) Isopropylbenzene	12.417	105	24625	4.118	ug/l	100
74) N-amyl acetate	12.229	43	6295	3.881	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.670	83	6557	5.187	ug/l	96
76) 1,2,3-Trichloropropane	12.723	75	4580m	5.118	ug/l	
77) Bromobenzene	12.700	156	7085	4.816	ug/l	90
78) n-propylbenzene	12.758	91	30400	4.089	ug/l	100
79) 2-Chlorotoluene	12.852	91	18112	4.229	ug/l	98
80) 1,3,5-Trimethylbenzene	12.905	105	19427	3.892	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.470	75	2098	4.684	ug/l	93
82) 4-Chlorotoluene	12.947	91	19664	4.303	ug/l	95
83) tert-Butylbenzene	13.164	119	18516	4.413	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	19484	3.923	ug/l	97
85) sec-Butylbenzene	13.341	105	28917	4.570	ug/l	98
86) p-Isopropyltoluene	13.458	119	24371	4.583	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	15437	5.120	ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	15485	5.138	ug/l	89
89) n-Butylbenzene	13.782	91	25330	4.699	ug/l	95
90) Hexachloroethane	14.052	117	6198	5.255	ug/l	97
91) 1,2-Dichlorobenzene	13.835	146	12990	4.986	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.441	75	1061	5.152	ug/l	93
93) 1,2,4-Trichlorobenzene	15.093	180	6996	6.372	ug/l	94
94) Hexachlorobutadiene	15.199	225	4428	5.146	ug/l	99
95) Naphthalene	15.329	128	11429	7.140	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.517	180	5760	5.722	ug/l	94

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

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