

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053025\
 Data File : VD080396.D
 Acq On : 30 May 2025 09:51
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: May 31 00:40:49 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	110027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	208042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	186573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	79709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	30961	22.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	45.080%#		
35) Dibromofluoromethane	7.806	113	24409	18.051	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.100%#		
50) Toluene-d8	10.270	98	100177	18.413	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.820%#		
62) 4-Bromofluorobenzene	12.570	95	32135	19.296	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	30365	24.102	ug/l	96
3) Chloromethane	2.153	50	49387	22.984	ug/l	91
4) Vinyl Chloride	2.288	62	54843	22.847	ug/l	98
5) Bromomethane	2.694	94	39881	23.388	ug/l	96
6) Chloroethane	2.841	64	37528	22.974	ug/l	99
7) Trichlorofluoromethane	3.176	101	51831	23.497	ug/l	95
8) Diethyl Ether	3.594	74	14531	22.346	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.970	101	30026	22.488	ug/l	97
10) Methyl Iodide	4.165	142	29221	22.203	ug/l	97
11) Tert butyl alcohol	5.053	59	8378	105.734	ug/l #	84
12) 1,1-Dichloroethene	3.947	96	28774	22.587	ug/l	87
13) Acrolein	3.800	56	15116	110.328	ug/l	99
14) Allyl chloride	4.565	41	46003	21.912	ug/l	98
15) Acrylonitrile	5.259	53	33209	104.142	ug/l	98
16) Acetone	4.017	43	29452	114.468	ug/l	98
17) Carbon Disulfide	4.276	76	104579	22.829	ug/l	97
18) Methyl Acetate	4.570	43	19460	21.884	ug/l	100
19) Methyl tert-butyl Ether	5.323	73	56491	19.981	ug/l	92
20) Methylene Chloride	4.806	84	37214	21.073	ug/l	99
21) trans-1,2-Dichloroethene	5.317	96	29602	21.251	ug/l	94
22) Diisopropyl ether	6.217	45	92545	21.562	ug/l	98
23) Vinyl Acetate	6.164	43	252073	102.879	ug/l	99
24) 1,1-Dichloroethane	6.117	63	58038	21.732	ug/l	97
25) 2-Butanone	7.088	43	39003	101.231	ug/l	99
26) 2,2-Dichloropropane	7.082	77	45271	21.274	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	32785	20.555	ug/l	98
28) Bromochloromethane	7.423	49	26935	21.493	ug/l	99
29) Tetrahydrofuran	7.447	42	27281	105.280	ug/l	99
30) Chloroform	7.600	83	57589	21.301	ug/l	98
31) Cyclohexane	7.882	56	49163	20.586	ug/l	95
32) 1,1,1-Trichloroethane	7.800	97	47286	20.892	ug/l	99
36) 1,1-Dichloropropene	8.011	75	40056	19.273	ug/l	99
37) Ethyl Acetate	7.164	43	18261m	17.939	ug/l	
38) Carbon Tetrachloride	7.994	117	40073	19.031	ug/l	95
39) Methylcyclohexane	9.276	83	43717	18.547	ug/l	98
40) Benzene	8.253	78	132196	21.055	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	10459	18.219	ug/l #	65
42) 1,2-Dichloroethane	8.329	62	37322	20.779	ug/l	99
43) Isopropyl Acetate	8.364	43	38051	20.211	ug/l	100
44) Trichloroethene	9.029	130	29938	20.331	ug/l	90
45) 1,2-Dichloropropane	9.305	63	31225	19.384	ug/l	99
46) Dibromomethane	9.400	93	16512	18.932	ug/l	97
47) Bromodichloromethane	9.582	83	42299	19.156	ug/l	96
48) Methyl methacrylate	9.382	41	16550	18.065	ug/l	92
49) 1,4-Dioxane	9.388	88	3896	420.357	ug/l	94
51) 4-Methyl-2-Pentanone	10.158	43	100778	101.430	ug/l	98
52) Toluene	10.335	92	73087	19.189	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	37825	18.570	ug/l	92
54) cis-1,3-Dichloropropene	10.017	75	43029	18.445	ug/l	99
55) 1,1,2-Trichloroethane	10.735	97	23161	19.858	ug/l	93
56) Ethyl methacrylate	10.600	69	24039	17.376	ug/l	99
57) 1,3-Dichloropropane	10.876	76	41434	20.791	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	53483	89.972	ug/l	100
59) 2-Hexanone	10.923	43	66032	98.212	ug/l	99
60) Dibromochloromethane	11.076	129	30409	21.378	ug/l	100
61) 1,2-Dibromoethane	11.176	107	21187	20.255	ug/l	93
64) Tetrachloroethene	10.805	164	26283	20.907	ug/l	94
65) Chlorobenzene	11.605	112	84327	20.620	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.682	131	27455	19.914	ug/l	98
67) Ethyl Benzene	11.682	91	130121	18.852	ug/l	99
68) m/p-Xylenes	11.794	106	102393	37.879	ug/l	100
69) o-Xylene	12.117	106	47650	18.935	ug/l	99
70) Styrene	12.135	104	86186	19.425	ug/l	99
71) Bromoform	12.299	173	14926	19.573	ug/l #	97
73) Isopropylbenzene	12.417	105	132145	24.123	ug/l	100
74) N-amyl acetate	12.235	43	34596	23.286	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	28119	24.284	ug/l	95
76) 1,2,3-Trichloropropane	12.723	75	17334m	21.145	ug/l	
77) Bromobenzene	12.699	156	32892	24.409	ug/l	94
78) n-propylbenzene	12.764	91	167255	24.557	ug/l	100
79) 2-Chlorotoluene	12.846	91	95621	24.376	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	109341	23.914	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	10056	24.509	ug/l	97
82) 4-Chlorotoluene	12.946	91	100301	23.963	ug/l	100
83) tert-Butylbenzene	13.164	119	85246	22.182	ug/l	99
84) 1,2,4-Trimethylbenzene	13.205	105	98047	21.554	ug/l	100
85) sec-Butylbenzene	13.346	105	115036	19.845	ug/l	99
86) p-Isopropyltoluene	13.458	119	93352	19.164	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	56393	20.420	ug/l	96
88) 1,4-Dichlorobenzene	13.535	146	56193	20.356	ug/l	98
89) n-Butylbenzene	13.788	91	93277	18.892	ug/l	99
90) Hexachloroethane	14.052	117	22112	20.468	ug/l	95
91) 1,2-Dichlorobenzene	13.829	146	47382	19.855	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4155	22.028	ug/l	84
93) 1,2,4-Trichlorobenzene	15.099	180	26998	17.980	ug/l	97
94) Hexachlorobutadiene	15.199	225	14651	18.588	ug/l	97
95) Naphthalene	15.329	128	50044	18.298	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.523	180	24649	18.046	ug/l	97

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

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