

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053025\
 Data File : VD080398.D
 Acq On : 30 May 2025 10:43
 Operator : RP/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: May 31 00:42:42 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	145377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	227616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	232379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	124824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	157974	87.031	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 174.060%#			
35) Dibromofluoromethane	7.806	113	158554	107.173	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 214.340%#			
50) Toluene-d8	10.270	98	686249	115.287	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 230.580%#			
62) 4-Bromofluorobenzene	12.570	95	221775	121.718	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 243.440%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	129472	77.780	ug/l	95
3) Chloromethane	2.153	50	245027	86.302	ug/l	95
4) Vinyl Chloride	2.288	62	283946	89.527	ug/l	97
5) Bromomethane	2.694	94	183016	81.232	ug/l	98
6) Chloroethane	2.841	64	188665	87.415	ug/l	95
7) Trichlorofluoromethane	3.176	101	258421	88.665	ug/l	98
8) Diethyl Ether	3.594	74	80157	93.295	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.971	101	142924	81.016	ug/l	99
10) Methyl Iodide	4.171	142	171884	98.844	ug/l	99
11) Tert butyl alcohol	5.047	59	49027	468.288	ug/l	99
12) 1,1-Dichloroethene	3.941	96	152780	90.767	ug/l	93
13) Acrolein	3.800	56	84786	468.357	ug/l	100
14) Allyl chloride	4.565	41	269328	97.090	ug/l	99
15) Acrylonitrile	5.259	53	207800	493.194	ug/l	99
16) Acetone	4.024	43	148326	436.306	ug/l	93
17) Carbon Disulfide	4.271	76	523360	86.466	ug/l	99
18) Methyl Acetate	4.565	43	99911	85.035	ug/l	100
19) Methyl tert-butyl Ether	5.318	73	385120	103.097	ug/l	100
20) Methylene Chloride	4.806	84	184114	78.907	ug/l	95
21) trans-1,2-Dichloroethene	5.318	96	177109	96.228	ug/l	96
22) Diisopropyl ether	6.218	45	553761	97.648	ug/l	99
23) Vinyl Acetate	6.153	43	1657065	511.853	ug/l	99
24) 1,1-Dichloroethane	6.112	63	309923	87.830	ug/l	98
25) 2-Butanone	7.082	43	260472	511.658	ug/l	93
26) 2,2-Dichloropropane	7.076	77	268180	95.381	ug/l	100
27) cis-1,2-Dichloroethene	7.082	96	209670	99.492	ug/l	98
28) Bromochloromethane	7.423	49	142848	86.270	ug/l	99
29) Tetrahydrofuran	7.447	42	164370	480.077	ug/l	99
30) Chloroform	7.600	83	336493	94.196	ug/l	99
31) Cyclohexane	7.876	56	297426	94.259	ug/l	95
32) 1,1,1-Trichloroethane	7.794	97	276706	92.528	ug/l	98
36) 1,1-Dichloropropene	8.006	75	239370	105.271	ug/l	98
37) Ethyl Acetate	7.170	43	121835	109.396	ug/l	98
38) Carbon Tetrachloride	7.994	117	228748	99.293	ug/l	97
39) Methylcyclohexane	9.276	83	281823	109.282	ug/l	97
40) Benzene	8.253	78	682576	99.367	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	66286	105.536	ug/l #	91
42) 1,2-Dichloroethane	8.329	62	188253	95.795	ug/l	99
43) Isopropyl Acetate	8.359	43	219979	106.796	ug/l	97
44) Trichloroethene	9.029	130	160628	99.702	ug/l	99
45) 1,2-Dichloropropane	9.306	63	176640	100.226	ug/l	99
46) Dibromomethane	9.394	93	92418	96.850	ug/l	99
47) Bromodichloromethane	9.582	83	230567	95.440	ug/l	98
48) Methyl methacrylate	9.382	41	105363	105.119	ug/l	97
49) 1,4-Dioxane	9.388	88	20084	1980.605	ug/l	87
51) 4-Methyl-2-Pentanone	10.158	43	650244	598.172	ug/l	98
52) Toluene	10.335	92	498375	119.594	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	259017	116.230	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	300243	117.637	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	140433	110.049	ug/l	95
56) Ethyl methacrylate	10.594	69	196980	104.293	ug/l	99
57) 1,3-Dichloropropane	10.876	76	244780	112.266	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	401093	616.718	ug/l	100
59) 2-Hexanone	10.917	43	444815	604.697	ug/l	96
60) Dibromochloromethane	11.070	129	174808	112.326	ug/l	97
61) 1,2-Dibromoethane	11.176	107	128846	112.583	ug/l	95
64) Tetrachloroethene	10.811	164	155054	99.028	ug/l	98
65) Chlorobenzene	11.605	112	515344	101.176	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.682	131	174882	101.846	ug/l	99
67) Ethyl Benzene	11.682	91	964730	112.219	ug/l	99
68) m/p-Xylenes	11.794	106	740198	219.848	ug/l	99
69) o-Xylene	12.117	106	342296	109.210	ug/l	99
70) Styrene	12.135	104	611039	110.575	ug/l	100
71) Bromoform	12.294	173	103646	109.122	ug/l #	98
73) Isopropylbenzene	12.417	105	887745	103.484	ug/l	99
74) N-amyl acetate	12.229	43	244957	105.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	168034	92.666	ug/l	97
76) 1,2,3-Trichloropropane	12.723	75	107035m	83.375	ug/l	
77) Bromobenzene	12.700	156	210488	99.745	ug/l	96
78) n-propylbenzene	12.758	91	1117625	104.788	ug/l	100
79) 2-Chlorotoluene	12.847	91	633112	103.061	ug/l	100
80) 1,3,5-Trimethylbenzene	12.900	105	758510	105.934	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	62475	97.234	ug/l	99
82) 4-Chlorotoluene	12.947	91	670629	102.312	ug/l	99
83) tert-Butylbenzene	13.164	119	641491	106.594	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	782386	109.832	ug/l	100
85) sec-Butylbenzene	13.341	105	980253	107.987	ug/l	100
86) p-Isopropyltoluene	13.458	119	844257	110.674	ug/l	98
87) 1,3-Dichlorobenzene	13.458	146	440602	101.879	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	425793	98.495	ug/l	98
89) n-Butylbenzene	13.788	91	808189	104.527	ug/l	99
90) Hexachloroethane	14.052	117	162561	96.090	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	382367	102.318	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.441	75	27229	92.180	ug/l	92
93) 1,2,4-Trichlorobenzene	15.099	180	246035	91.331	ug/l	99
94) Hexachlorobutadiene	15.199	225	122601	99.325	ug/l	99
95) Naphthalene	15.329	128	478467	90.332	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	220848	92.077	ug/l	98

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

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