

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
 Data File : VD080292.D
 Acq On : 06 May 2025 14:23
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: May 07 03:17:36 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	119859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	198604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	187152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	100734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	30976	19.985	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.960%#		
35) Dibromofluoromethane	7.811	113	27010	20.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.580%#		
50) Toluene-d8	10.264	98	103213	19.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.360%#		
62) 4-Bromofluorobenzene	12.570	95	32858	19.519	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	31074	26.726	ug/l	100
3) Chloromethane	2.153	50	53899	23.567	ug/l	96
4) Vinyl Chloride	2.276	62	67022	21.509	ug/l	97
5) Bromomethane	2.676	94	50204	22.383	ug/l	99
6) Chloroethane	2.823	64	48168	21.863	ug/l	99
7) Trichlorofluoromethane	3.159	101	50429	21.106	ug/l	99
8) Diethyl Ether	3.594	74	15072	20.436	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.959	101	30436	20.675	ug/l	99
10) Methyl Iodide	4.159	142	29259	19.498	ug/l	94
11) Tert butyl alcohol	5.053	59	9066	96.391	ug/l #	67
12) 1,1-Dichloroethene	3.935	96	29724	20.481	ug/l	93
13) Acrolein	3.794	56	16642	100.564	ug/l	97
14) Allyl chloride	4.565	41	44799	19.627	ug/l	98
15) Acrylonitrile	5.259	53	35895	101.234	ug/l	98
16) Acetone	4.023	43	26343	100.367	ug/l #	88
17) Carbon Disulfide	4.265	76	106148	21.062	ug/l	96
18) Methyl Acetate	4.570	43	19220	19.134	ug/l	98
19) Methyl tert-butyl Ether	5.323	73	63930	20.051	ug/l	94
20) Methylene Chloride	4.794	84	38444	21.005	ug/l	96
21) trans-1,2-Dichloroethene	5.312	96	31816	20.179	ug/l	97
22) Diisopropyl ether	6.217	45	99503	21.163	ug/l	97
23) Vinyl Acetate	6.159	43	276853	101.098	ug/l	99
24) 1,1-Dichloroethane	6.106	63	59787	20.207	ug/l #	94
25) 2-Butanone	7.082	43	41887	98.218	ug/l	95
26) 2,2-Dichloropropane	7.076	77	48581	20.635	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	34813	19.929	ug/l	97
28) Bromochloromethane	7.423	49	27703	20.110	ug/l	97
29) Tetrahydrofuran	7.441	42	27387	98.491	ug/l	98
30) Chloroform	7.594	83	60811	20.610	ug/l	97
31) Cyclohexane	7.876	56	50162	19.920	ug/l	96
32) 1,1,1-Trichloroethane	7.788	97	49401	20.522	ug/l	100
36) 1,1-Dichloropropene	8.006	75	40103	20.158	ug/l	97
37) Ethyl Acetate	7.176	43	21448	20.672	ug/l	97
38) Carbon Tetrachloride	7.988	117	44381	21.391	ug/l	92
39) Methylcyclohexane	9.270	83	45799	19.840	ug/l	91
40) Benzene	8.247	78	127807	20.504	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	12397	21.534	ug/l	94
42) 1,2-Dichloroethane	8.323	62	38305	21.207	ug/l	100
43) Isopropyl Acetate	8.358	43	38348	20.329	ug/l	97
44) Trichloroethene	9.023	130	30029	20.753	ug/l	90
45) 1,2-Dichloropropane	9.305	63	33014	20.651	ug/l #	87
46) Dibromomethane	9.394	93	18581	21.348	ug/l	96
47) Bromodichloromethane	9.588	83	44741	20.252	ug/l	94
48) Methyl methacrylate	9.382	41	18212m	20.319	ug/l	
49) 1,4-Dioxane	9.388	88	4380	423.258	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	102075	105.020	ug/l	100
52) Toluene	10.329	92	76380	20.339	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	40433	20.076	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	47786	20.475	ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	23540	20.446	ug/l	94
56) Ethyl methacrylate	10.600	69	27358	19.610	ug/l	97
57) 1,3-Dichloropropane	10.882	76	39725	20.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	54791	95.966	ug/l	98
59) 2-Hexanone	10.917	43	66578	99.577	ug/l	98
60) Dibromochloromethane	11.070	129	30081	20.848	ug/l	93
61) 1,2-Dibromoethane	11.176	107	23275	21.801	ug/l	95
64) Tetrachloroethene	10.811	164	26331	20.776	ug/l	92
65) Chlorobenzene	11.605	112	84594	20.018	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.676	131	29290	20.174	ug/l	99
67) Ethyl Benzene	11.682	91	139501	19.754	ug/l	99
68) m/p-Xylenes	11.788	106	110674	40.363	ug/l	98
69) o-Xylene	12.117	106	48565	19.383	ug/l	95
70) Styrene	12.135	104	89828	19.965	ug/l	99
71) Bromoform	12.294	173	17591	20.394	ug/l #	98
73) Isopropylbenzene	12.417	105	127888	19.571	ug/l	98
74) N-amyl acetate	12.229	43	36957	19.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	30282	21.074	ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	24910m	23.307	ug/l	
77) Bromobenzene	12.699	156	33221	19.600	ug/l	94
78) n-propylbenzene	12.758	91	161385	19.681	ug/l	99
79) 2-Chlorotoluene	12.846	91	95094	19.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	111307	19.971	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	10859	21.201	ug/l	97
82) 4-Chlorotoluene	12.941	91	102425	19.893	ug/l	100
83) tert-Butylbenzene	13.164	119	89918	19.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	114868	20.144	ug/l	99
85) sec-Butylbenzene	13.341	105	140780	19.629	ug/l	98
86) p-Isopropyltoluene	13.458	119	118421	19.646	ug/l	98
87) 1,3-Dichlorobenzene	13.452	146	70964	20.076	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	72067	20.223	ug/l	99
89) n-Butylbenzene	13.782	91	113114	19.331	ug/l	98
90) Hexachloroethane	14.046	117	26594	19.940	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	62422	20.329	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4538	19.815	ug/l	94
93) 1,2,4-Trichlorobenzene	15.093	180	36841	19.078	ug/l	97
94) Hexachlorobutadiene	15.193	225	19548	19.458	ug/l	97
95) Naphthalene	15.329	128	66818	18.428	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.517	180	33265	19.260	ug/l	99

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

