

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050625\
 Data File : VD080291.D
 Acq On : 06 May 2025 13:55
 Operator : RP/MD
 Sample : VSTDIC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: May 07 03:16:41 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	120483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	207661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	188574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	98783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	15938	10.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.460%#		
35) Dibromofluoromethane	7.805	113	13299	9.555	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.120%#		
50) Toluene-d8	10.264	98	51113	9.320	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.640%#		
62) 4-Bromofluorobenzene	12.570	95	16992	9.654	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	16009	10.404	ug/l	96
3) Chloromethane	2.147	50	28530	9.811	ug/l	95
4) Vinyl Chloride	2.276	62	35188	11.234	ug/l	98
5) Bromomethane	2.682	94	22030	9.771	ug/l	95
6) Chloroethane	2.829	64	23896	10.790	ug/l	94
7) Trichlorofluoromethane	3.165	101	25830	10.755	ug/l	95
8) Diethyl Ether	3.588	74	6857	9.249	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.959	101	15881	10.732	ug/l	95
10) Methyl Iodide	4.153	142	13982	9.269	ug/l #	93
11) Tert butyl alcohol	5.076	59	5243	55.456	ug/l #	78
12) 1,1-Dichloroethene	3.929	96	14942	10.242	ug/l	90
13) Acrolein	3.794	56	8220	49.414	ug/l	92
14) Allyl chloride	4.559	41	22002	9.589	ug/l	99
15) Acrylonitrile	5.264	53	17759	49.826	ug/l	93
16) Acetone	4.029	43	14712m	46.180	ug/l	
17) Carbon Disulfide	4.265	76	53524	10.565	ug/l	97
18) Methyl Acetate	4.570	43	10924m	10.819	ug/l	
19) Methyl tert-butyl Ether	5.323	73	27966	8.726	ug/l #	88
20) Methylene Chloride	4.794	84	21842	10.071	ug/l #	85
21) trans-1,2-Dichloroethene	5.300	96	15107	9.532	ug/l	85
22) Diisopropyl ether	6.217	45	43174	9.135	ug/l	92
23) Vinyl Acetate	6.153	43	122708	44.577	ug/l	100
24) 1,1-Dichloroethane	6.106	63	31010	10.427	ug/l #	90
25) 2-Butanone	7.088	43	19760	46.094	ug/l	98
26) 2,2-Dichloropropane	7.076	77	24094	10.181	ug/l	96
27) cis-1,2-Dichloroethene	7.076	96	16982	9.671	ug/l	97
28) Bromochloromethane	7.429	49	14468	10.448	ug/l	99
29) Tetrahydrofuran	7.453	42	12933	46.270	ug/l	96
30) Chloroform	7.594	83	29736	10.026	ug/l	98
31) Cyclohexane	7.876	56	25143	9.933	ug/l #	93
32) 1,1,1-Trichloroethane	7.800	97	24628	10.178	ug/l	96
36) 1,1-Dichloropropene	8.011	75	19810	9.523	ug/l	97
37) Ethyl Acetate	7.176	43	10491	9.670	ug/l #	73
38) Carbon Tetrachloride	7.994	117	22088	10.182	ug/l	93
39) Methylcyclohexane	9.270	83	22083	9.149	ug/l	89
40) Benzene	8.253	78	61413	9.423	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	5389m	8.953	ug/l	
42) 1,2-Dichloroethane	8.323	62	18620	9.859	ug/l	98
43) Isopropyl Acetate	8.364	43	18100	9.177	ug/l	95
44) Trichloroethene	9.029	130	14665	9.693	ug/l	88
45) 1,2-Dichloropropane	9.305	63	16232	9.711	ug/l	95
46) Dibromomethane	9.394	93	9070	9.966	ug/l	98
47) Bromodichloromethane	9.582	83	22525	9.751	ug/l #	99
48) Methyl methacrylate	9.376	41	7959m	8.493	ug/l	
49) 1,4-Dioxane	9.382	88	1804	166.725	ug/l #	84
51) 4-Methyl-2-Pentanone	10.158	43	42369	41.690	ug/l	96
52) Toluene	10.335	92	35833	9.126	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	19040	9.041	ug/l	95
54) cis-1,3-Dichloropropene	10.017	75	21913	8.980	ug/l #	94
55) 1,1,2-Trichloroethane	10.735	97	11668	9.692	ug/l	92
56) Ethyl methacrylate	10.599	69	12467	8.546	ug/l	94
57) 1,3-Dichloropropane	10.882	76	18220	9.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	24567	41.152	ug/l	98
59) 2-Hexanone	10.923	43	28796	41.190	ug/l	98
60) Dibromochloromethane	11.070	129	14022	9.294	ug/l	94
61) 1,2-Dibromoethane	11.176	107	10129	9.074	ug/l	95
64) Tetrachloroethene	10.811	164	12779	10.007	ug/l	90
65) Chlorobenzene	11.605	112	40485	9.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	14151	9.673	ug/l	94
67) Ethyl Benzene	11.682	91	62118	8.730	ug/l	96
68) m/p-Xylenes	11.788	106	48239	17.460	ug/l	100
69) o-Xylene	12.117	106	22615	8.958	ug/l	92
70) Styrene	12.129	104	39179	8.642	ug/l	99
71) Bromoform	12.293	173	8535	9.820	ug/l #	96
73) Isopropylbenzene	12.417	105	56684	8.846	ug/l	100
74) N-amyl acetate	12.229	43	16132	8.772	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	13735	9.747	ug/l	94
76) 1,2,3-Trichloropropane	12.723	75	7722m	7.368	ug/l	
77) Bromobenzene	12.699	156	15958	9.601	ug/l	98
78) n-propylbenzene	12.758	91	72436	9.008	ug/l	98
79) 2-Chlorotoluene	12.846	91	42658	9.120	ug/l	96
80) 1,3,5-Trimethylbenzene	12.899	105	49080	8.980	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.470	75	4458	8.876	ug/l	92
82) 4-Chlorotoluene	12.946	91	46981	9.305	ug/l	96
83) tert-Butylbenzene	13.164	119	40742	8.933	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	47952	8.575	ug/l	98
85) sec-Butylbenzene	13.340	105	62473	8.883	ug/l	99
86) p-Isopropyltoluene	13.458	119	50754	8.586	ug/l	97
87) 1,3-Dichlorobenzene	13.458	146	33429	9.644	ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	33320	9.535	ug/l	94
89) n-Butylbenzene	13.788	91	50024	8.718	ug/l	98
90) Hexachloroethane	14.052	117	12682	9.697	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	28250	9.382	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	2492	11.096	ug/l	92
93) 1,2,4-Trichlorobenzene	15.093	180	16341	8.629	ug/l	96
94) Hexachlorobutadiene	15.199	225	9092	9.229	ug/l	98
95) Naphthalene	15.329	128	29846	8.394	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.517	180	14816	8.748	ug/l	97

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

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