

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020625\
 Data File : VD080250.D
 Acq On : 06 Feb 2025 15:02
 Operator : RP/MD
 Sample : Q1168-01 2.5PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

Quant Time: Feb 07 01:13:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 07 01:12:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	113420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	199306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	89184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76612	51.927	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.860%			
35) Dibromofluoromethane	7.810	113	69550	49.237	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.480%			
50) Toluene-d8	10.269	98	241289	46.062	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.120%			
62) 4-Bromofluorobenzene	12.575	95	75137	44.704	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	3403	2.539	ug/l	99
3) Chloromethane	2.152	50	6948	2.941	ug/l	91
4) Vinyl Chloride	2.281	62	7933	2.775	ug/l	95
5) Bromomethane	2.687	94	6290	2.854	ug/l	100
6) Chloroethane	2.834	64	6028	3.166	ug/l	99
7) Trichlorofluoromethane	3.175	101	6485	2.738	ug/l #	81
8) Diethyl Ether	3.599	74	1762	2.719	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.957	101	3939	2.873	ug/l #	71
10) Methyl Iodide	4.163	142	3556	3.630	ug/l #	69
11) Tert butyl alcohol	5.057	59	744	9.129	ug/l #	75
12) 1,1-Dichloroethene	3.940	96	3426	2.638	ug/l #	79
13) Acrolein	3.804	56	2114	13.757	ug/l	91
14) Allyl chloride	4.569	41	5110m	2.553	ug/l	
15) Acrylonitrile	5.269	53	4543	14.592	ug/l #	91
16) Acetone	4.028	43	3554	14.947	ug/l #	62
17) Carbon Disulfide	4.275	76	12791	2.731	ug/l	98
18) Methyl Acetate	4.563	43	2402	2.994	ug/l #	77
19) Methyl tert-butyl Ether	5.328	73	6673	2.334	ug/l	92
20) Methylene Chloride	4.804	84	4736	2.935	ug/l	95
21) trans-1,2-Dichloroethene	5.310	96	3691	2.501	ug/l #	76
22) Diisopropyl ether	6.222	45	9057	2.174	ug/l #	82
23) Vinyl Acetate	6.157	43	26207m	10.897	ug/l	
24) 1,1-Dichloroethane	6.122	63	7652	2.802	ug/l #	91
25) 2-Butanone	7.098	43	4435	12.025	ug/l	99
26) 2,2-Dichloropropane	7.081	77	6247	2.638	ug/l	83
27) cis-1,2-Dichloroethene	7.081	96	4332	2.599	ug/l	95
28) Bromochloromethane	7.428	49	4212	3.380	ug/l #	80
29) Tetrahydrofuran	7.457	42	3605m	14.924	ug/l	
30) Chloroform	7.598	83	8323	2.981	ug/l	86
31) Cyclohexane	7.881	56	7497	3.430	ug/l #	72
32) 1,1,1-Trichloroethane	7.798	97	6427	2.752	ug/l	97
36) 1,1-Dichloropropene	8.010	75	4976	2.459	ug/l	91
37) Ethyl Acetate	7.181	43	2959	2.983	ug/l #	78
38) Carbon Tetrachloride	7.992	117	5107	2.417	ug/l	93
39) Methylcyclohexane	9.281	83	4900	2.229	ug/l	96
40) Benzene	8.251	78	14928	2.354	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1637	2.998	ug/l #	45
42) 1,2-Dichloroethane	8.328	62	5051	2.799	ug/l	99
43) Isopropyl Acetate	8.369	43	4232	2.404	ug/l #	59
44) Trichloroethene	9.022	130	3970	2.710	ug/l	78
45) 1,2-Dichloropropane	9.304	63	4775	2.994	ug/l	97
46) Dibromomethane	9.392	93	2686	3.022	ug/l #	82
47) Bromodichloromethane	9.586	83	6139	2.739	ug/l #	97
48) Methyl methacrylate	9.381	41	2657	3.261	ug/l #	71
49) 1,4-Dioxane	9.398	88	379	39.203	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	9708	10.904	ug/l	99
52) Toluene	10.339	92	9130	2.461	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	4811	2.518	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	5642	2.428	ug/l	93
55) 1,1,2-Trichloroethane	10.739	97	3104	2.688	ug/l #	78
56) Ethyl methacrylate	10.598	69	2764	2.098	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	4749	2.487	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.875	63	6094	10.837	ug/l	95
59) 2-Hexanone	10.922	43	6024	10.311	ug/l	98
60) Dibromochloromethane	11.069	129	3745	2.631	ug/l	98
61) 1,2-Dibromoethane	11.181	107	2510	2.387	ug/l	91
64) Tetrachloroethene	10.810	164	3421	2.619	ug/l	96
65) Chlorobenzene	11.604	112	10809	2.522	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	4059	2.707	ug/l	92
67) Ethyl Benzene	11.686	91	14630	2.052	ug/l	97
68) m/p-Xylenes	11.798	106	11073	4.001	ug/l	92
69) o-Xylene	12.122	106	5343	2.117	ug/l	90
70) Styrene	12.133	104	8523	1.897	ug/l	96
71) Bromoform	12.292	173	2217	2.508	ug/l #	96
73) Isopropylbenzene	12.422	105	12640	2.095	ug/l	97
74) N-amyl acetate	12.233	43	4113	2.594	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.675	83	3737	2.977	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	2597m	2.879	ug/l	
77) Bromobenzene	12.698	156	3975	2.555	ug/l	92
78) n-propylbenzene	12.763	91	16839	2.192	ug/l	97
79) 2-Chlorotoluene	12.851	91	10079	2.310	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	10737	2.128	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.475	75	1078m	2.444	ug/l	
82) 4-Chlorotoluene	12.945	91	9944	2.145	ug/l	95
83) tert-Butylbenzene	13.169	119	8867	2.150	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	9542	1.858	ug/l	83
85) sec-Butylbenzene	13.345	105	13199	2.093	ug/l	100
86) p-Isopropyltoluene	13.457	119	10585	1.966	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	7413	2.419	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	8487	2.736	ug/l	87
89) n-Butylbenzene	13.786	91	10887	2.081	ug/l	94
90) Hexachloroethane	14.045	117	3445	2.879	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	6612	2.448	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.463	75	796	3.986	ug/l	62
93) 1,2,4-Trichlorobenzene	15.098	180	4402	2.557	ug/l	95
94) Hexachlorobutadiene	15.198	225	2161	2.318	ug/l	90
95) Naphthalene	15.327	128	7303	2.366	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.516	180	4064	2.616	ug/l	89

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

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