

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020625\
 Data File : VD080251.D
 Acq On : 06 Feb 2025 15:57
 Operator : RP/MD
 Sample : Q1168-01 4PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 07 01:14:49 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	103355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	179995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	169922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	88413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67714	50.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.740%			
35) Dibromofluoromethane	7.805	113	63281	49.606	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.220%			
50) Toluene-d8	10.269	98	217647	46.007	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.020%			
62) 4-Bromofluorobenzene	12.569	95	68225	44.946	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	5282	4.325	ug/l	98
3) Chloromethane	2.152	50	10387	4.824	ug/l	99
4) Vinyl Chloride	2.281	62	12089	4.641	ug/l	96
5) Bromomethane	2.687	94	9106	4.534	ug/l	99
6) Chloroethane	2.828	64	8207	4.731	ug/l	97
7) Trichlorofluoromethane	3.164	101	9887	4.581	ug/l	94
8) Diethyl Ether	3.593	74	2688	4.552	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.964	101	6173	4.941	ug/l	97
10) Methyl Iodide	4.164	142	5115	5.730	ug/l	97
11) Tert butyl alcohol	5.058	59	2033	27.375	ug/l	100
12) 1,1-Dichloroethene	3.940	96	5356	4.525	ug/l	95
13) Acrolein	3.793	56	3277	23.402	ug/l	94
14) Allyl chloride	4.569	41	8002	4.387	ug/l	97
15) Acrylonitrile	5.258	53	5961	21.012	ug/l #	91
16) Acetone	4.034	43	5576	25.734	ug/l	94
17) Carbon Disulfide	4.275	76	18770	4.397	ug/l #	92
18) Methyl Acetate	4.569	43	4446	6.081	ug/l #	75
19) Methyl tert-butyl Ether	5.328	73	10779m	4.137	ug/l	
20) Methylene Chloride	4.805	84	7474	5.083	ug/l #	87
21) trans-1,2-Dichloroethene	5.316	96	5764	4.287	ug/l	95
22) Diisopropyl ether	6.228	45	13828	3.643	ug/l	96
23) Vinyl Acetate	6.158	43	39595	18.068	ug/l	99
24) 1,1-Dichloroethane	6.116	63	11358	4.564	ug/l #	92
25) 2-Butanone	7.087	43	7015	20.873	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	9108	4.220	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	6091	4.010	ug/l	96
28) Bromochloromethane	7.428	49	5508	4.851	ug/l	93
29) Tetrahydrofuran	7.440	42	4867	22.110	ug/l	94
30) Chloroform	7.599	83	11993	4.714	ug/l	96
31) Cyclohexane	7.869	56	9893	4.966	ug/l #	81
32) 1,1,1-Trichloroethane	7.793	97	9834	4.620	ug/l	97
36) 1,1-Dichloropropene	8.005	75	7157	3.917	ug/l	97
37) Ethyl Acetate	7.169	43	3750m	4.185	ug/l	
38) Carbon Tetrachloride	7.987	117	8736	4.577	ug/l #	82
39) Methylcyclohexane	9.269	83	7132	3.593	ug/l	96
40) Benzene	8.252	78	23849	4.164	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1520	3.082	ug/l #	80
42) 1,2-Dichloroethane	8.328	62	7744	4.752	ug/l	94
43) Isopropyl Acetate	8.363	43	7225	4.544	ug/l #	79
44) Trichloroethene	9.034	130	6067	4.586	ug/l	85
45) 1,2-Dichloropropane	9.310	63	6022	4.180	ug/l	94
46) Dibromomethane	9.399	93	4037	5.030	ug/l	87
47) Bromodichloromethane	9.587	83	9288	4.589	ug/l #	84
48) Methyl methacrylate	9.381	41	3258	4.428	ug/l	88
49) 1,4-Dioxane	9.399	88	683	78.228	ug/l #	59
51) 4-Methyl-2-Pentanone	10.157	43	15992	19.889	ug/l	97
52) Toluene	10.334	92	13949	4.164	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	7617	4.415	ug/l #	87
54) cis-1,3-Dichloropropene	10.016	75	7895	3.762	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	4505	4.320	ug/l #	90
56) Ethyl methacrylate	10.593	69	5195	4.366	ug/l	97
57) 1,3-Dichloropropane	10.881	76	7814	4.530	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	8816	17.359	ug/l	92
59) 2-Hexanone	10.922	43	10268	19.461	ug/l	97
60) Dibromochloromethane	11.069	129	6351	4.941	ug/l	99
61) 1,2-Dibromoethane	11.181	107	4493	4.731	ug/l	93
64) Tetrachloroethene	10.804	164	4761	4.011	ug/l	92
65) Chlorobenzene	11.604	112	17260	4.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	6400	4.697	ug/l	96
67) Ethyl Benzene	11.681	91	22601	3.488	ug/l	91
68) m/p-Xylenes	11.793	106	17160	6.822	ug/l	96
69) o-Xylene	12.116	106	7849	3.422	ug/l	97
70) Styrene	12.134	104	14073	3.447	ug/l	98
71) Bromoform	12.298	173	3601	4.483	ug/l #	99
73) Isopropylbenzene	12.416	105	19825	3.315	ug/l	100
74) N-amyl acetate	12.240	43	6266	3.986	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	5798	4.659	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	3914m	4.377	ug/l	
77) Bromobenzene	12.693	156	6212	4.027	ug/l	90
78) n-propylbenzene	12.763	91	26279	3.451	ug/l	100
79) 2-Chlorotoluene	12.845	91	16406	3.793	ug/l	96
80) 1,3,5-Trimethylbenzene	12.898	105	16699	3.339	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	1812	4.143	ug/l	96
82) 4-Chlorotoluene	12.945	91	16608	3.613	ug/l	99
83) tert-Butylbenzene	13.163	119	14098	3.448	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	15660	3.076	ug/l	88
85) sec-Butylbenzene	13.340	105	21543	3.446	ug/l	96
86) p-Isopropyltoluene	13.457	119	18292	3.427	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	11776	3.876	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	12623	4.105	ug/l	90
89) n-Butylbenzene	13.787	91	17880	3.447	ug/l	99
90) Hexachloroethane	14.051	117	5443	4.588	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	10773	4.024	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.440	75	999	5.046	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	6338	3.714	ug/l	95
94) Hexachlorobutadiene	15.204	225	3404	3.683	ug/l	94
95) Naphthalene	15.334	128	10413	3.402	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.522	180	5731	3.721	ug/l	100

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

