

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020725\
 Data File : VD080261.D
 Acq On : 07 Feb 2025 15:41
 Operator : RP/MD
 Sample : Q1168-03 4PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-03-QT1-2025

Quant Time: Feb 08 01:23:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 08 01:23:21 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/10/2025
 Supervised By :Semsettin Yesilyurt 02/10/2025

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	96198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	170550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68073	54.400	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.800%			
35) Dibromofluoromethane	7.804	113	62325	51.562	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.120%			
50) Toluene-d8	10.269	98	222415	49.618	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.575	95	67368	46.840	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4068	3.579	ug/l	82
3) Chloromethane	2.152	50	8374	4.179	ug/l	100
4) Vinyl Chloride	2.281	62	10146	4.185	ug/l	90
5) Bromomethane	2.687	94	8341	4.462	ug/l	96
6) Chloroethane	2.828	64	7301	4.522	ug/l	96
7) Trichlorofluoromethane	3.169	101	8497	4.229	ug/l	94
8) Diethyl Ether	3.593	74	2455	4.467	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	5023	4.319	ug/l	94
10) Methyl Iodide	4.152	142	4022m	4.841	ug/l	
11) Tert butyl alcohol	5.093	59	2175m	31.466	ug/l	
12) 1,1-Dichloroethene	3.934	96	4301	3.904	ug/l #	84
13) Acrolein	3.799	56	2884	22.128	ug/l #	72
14) Allyl chloride	4.563	41	6513	3.836	ug/l	88
15) Acrylonitrile	5.269	53	5532	20.950	ug/l	99
16) Acetone	4.040	43	5376	26.657	ug/l #	81
17) Carbon Disulfide	4.263	76	15921	4.007	ug/l #	95
18) Methyl Acetate	4.569	43	4064	5.972	ug/l #	84
19) Methyl tert-butyl Ether	5.310	73	9302m	3.835	ug/l	
20) Methylene Chloride	4.805	84	6587	4.813	ug/l #	88
21) trans-1,2-Dichloroethene	5.316	96	4986	3.984	ug/l	85
22) Diisopropyl ether	6.210	45	12728	3.603	ug/l #	87
23) Vinyl Acetate	6.163	43	33850m	16.595	ug/l	
24) 1,1-Dichloroethane	6.104	63	10433	4.505	ug/l	95
25) 2-Butanone	7.087	43	6290	20.108	ug/l	95
26) 2,2-Dichloropropane	7.081	77	8385	4.174	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	4902	3.467	ug/l	83
28) Bromochloromethane	7.428	49	4439	4.200	ug/l #	99
29) Tetrahydrofuran	7.452	42	3862	18.850	ug/l #	92
30) Chloroform	7.599	83	10084	4.259	ug/l	89
31) Cyclohexane	7.875	56	8603	4.640	ug/l #	56
32) 1,1,1-Trichloroethane	7.793	97	8997	4.542	ug/l	97
36) 1,1-Dichloropropene	8.016	75	5743	3.317	ug/l	88
37) Ethyl Acetate	7.169	43	3619	4.263	ug/l #	85
38) Carbon Tetrachloride	7.987	117	7421	4.104	ug/l	97
39) Methylcyclohexane	9.269	83	6328	3.364	ug/l	93
40) Benzene	8.251	78	19974	3.681	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1250	2.675	ug/l #	47
42) 1,2-Dichloroethane	8.328	62	6854	4.438	ug/l	93
43) Isopropyl Acetate	8.363	43	5918	3.928	ug/l	95
44) Trichloroethene	9.028	130	5146	4.105	ug/l	92
45) 1,2-Dichloropropane	9.304	63	5382	3.943	ug/l	97
46) Dibromomethane	9.398	93	3095	4.070	ug/l	95
47) Bromodichloromethane	9.581	83	8032	4.188	ug/l	92
48) Methyl methacrylate	9.381	41	2768	3.970	ug/l #	84
49) 1,4-Dioxane	9.393	88	750	90.659	ug/l #	73
51) 4-Methyl-2-Pentanone	10.163	43	13277	17.427	ug/l	95
52) Toluene	10.334	92	12653	3.986	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	6766	4.139	ug/l	96
54) cis-1,3-Dichloropropene	10.022	75	6732	3.385	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	4145	4.195	ug/l	95
56) Ethyl methacrylate	10.598	69	4465	3.960	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	6297	3.853	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	9023	18.751	ug/l	95
59) 2-Hexanone	10.922	43	9296	18.594	ug/l	95
60) Dibromochloromethane	11.075	129	5269	4.326	ug/l	99
61) 1,2-Dibromoethane	11.175	107	3994	4.438	ug/l	91
64) Tetrachloroethene	10.816	164	4788	4.212	ug/l #	70
65) Chlorobenzene	11.604	112	13665	3.663	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	5471	4.193	ug/l	96
67) Ethyl Benzene	11.687	91	19873	3.203	ug/l	95
68) m/p-Xylenes	11.792	106	14852	6.165	ug/l	95
69) o-Xylene	12.128	106	6880	3.132	ug/l	90
70) Styrene	12.134	104	11924	3.049	ug/l	98
71) Bromoform	12.298	173	2989	3.886	ug/l #	92
73) Isopropylbenzene	12.422	105	17506	3.185	ug/l	97
74) N-amyl acetate	12.234	43	5018	3.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	5339	4.668	ug/l	89
76) 1,2,3-Trichloropropane	12.728	75	3540m	4.307	ug/l	
77) Bromobenzene	12.698	156	5581	3.937	ug/l	97
78) n-propylbenzene	12.763	91	22405	3.202	ug/l	97
79) 2-Chlorotoluene	12.851	91	13683	3.442	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	14741	3.207	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	1556	3.871	ug/l	95
82) 4-Chlorotoluene	12.945	91	13979	3.309	ug/l	96
83) tert-Butylbenzene	13.169	119	13043	3.471	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	13273	2.837	ug/l	100
85) sec-Butylbenzene	13.345	105	18352	3.194	ug/l	99
86) p-Isopropyltoluene	13.463	119	15050	3.068	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	10479	3.753	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	11594	4.102	ug/l	92
89) n-Butylbenzene	13.786	91	16296	3.418	ug/l	95
90) Hexachloroethane	14.057	117	4385	4.022	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	9383	3.814	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1014	5.573	ug/l	75
93) 1,2,4-Trichlorobenzene	15.098	180	5470	3.488	ug/l	99
94) Hexachlorobutadiene	15.204	225	2932	3.452	ug/l	92
95) Naphthalene	15.333	128	9157	3.256	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.522	180	4629	3.270	ug/l	91

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

