Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
Data File : VD078222.D
Acq On : 24 Jan 2024 14:53
Operator : RP/MD
Sample : P1187-03 2.5 PPB
Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 25 01:16:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 25 01:15:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda

01/25/2024
Supervised By :Semsettin Yesilyurt

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	113477	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	221801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	198577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70108	54.119	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.240%			
35) Dibromofluoromethane	7.811	113	71890	49.248	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.500%			
50) Toluene-d8	10.269	98	278352	48.157	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.575	95	75945	45.307	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3428	2.622	ug/l	98
3) Chloromethane	2.146	50	5460	2.589	ug/l	91
4) Vinyl Chloride	2.287	62	6632	2.465	ug/l	94
5) Bromomethane	2.699	94	5366	2.733	ug/l	95
6) Chloroethane	2.846	64	4683	2.491	ug/l	91
7) Trichlorofluoromethane	3.181	101	6094	2.490	ug/l #	79
8) Diethyl Ether	3.593	74	1970	2.903	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	4240	2.991	ug/l	94
10) Methyl Iodide	4.175	142	2841	1.999	ug/l #	84
11) Tert butyl alcohol	5.052	59	648	10.161	ug/l #	73
12) 1,1-Dichloroethene	3.940	96	3446	2.454	ug/l #	84
13) Acrolein	3.799	56	2002	13.674	ug/l #	65
14) Allyl chloride	4.581	41	4751	2.565	ug/l #	47
15) Acrylonitrile	5.269	53	3725m	12.234	ug/l	
16) Acetone	4.022	43	4121	10.671	ug/l #	71
17) Carbon Disulfide	4.275	76	11457	2.516	ug/l	95
18) Methyl Acetate	4.581	43	2235	2.005	ug/l #	70
19) Methyl tert-butyl Ether	5.322	73	6396	2.184	ug/l #	74
20) Methylene Chloride	4.811	84	8540	4.494	ug/l #	84
21) trans-1,2-Dichloroethene	5.322	96	3776	2.327	ug/l	83
22) Diisopropyl ether	6.216	45	9030	2.304	ug/l #	83
23) Vinyl Acetate	6.158	43	21254	11.006	ug/l #	89
24) 1,1-Dichloroethane	6.122	63	7236	2.672	ug/l #	94
25) 2-Butanone	7.087	43	4947	10.841	ug/l	89
26) 2,2-Dichloropropane	7.087	77	5410	2.384	ug/l #	71
27) cis-1,2-Dichloroethene	7.087	96	4281	2.456	ug/l	85
28) Bromochloromethane	7.428	49	2398	2.270	ug/l #	31
29) Tetrahydrofuran	7.458	42	2785	13.031	ug/l #	73
30) Chloroform	7.599	83	7365	2.674	ug/l	87
31) Cyclohexane	7.887	56	7823	3.266	ug/l #	67
32) 1,1,1-Trichloroethane	7.805	97	5700	2.396	ug/l	96
36) 1,1-Dichloropropene	8.016	75	5179	2.157	ug/l	95
37) Ethyl Acetate	7.175	43	1939	2.170	ug/l #	62
38) Carbon Tetrachloride	7.987	117	5142	2.169	ug/l #	61
39) Methylcyclohexane	9.281	83	6725	2.369	ug/l #	83
40) Benzene	8.252	78	16070	2.359	ug/l	97

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.393	41	1027m	2.093 ug/l		
42) 1,2-Dichloroethane	8.328	62	4213	2.377 ug/l		82
43) Isopropyl Acetate	8.363	43	3139	1.917 ug/l	#	79
44) Trichloroethene	9.034	130	4099	2.352 ug/l		96
45) 1,2-Dichloropropane	9.310	63	3620	2.142 ug/l		90
46) Dibromomethane	9.393	93	2060	2.219 ug/l		89
47) Bromodichloromethane	9.587	83	5153	2.210 ug/l	#	71
48) Methyl methacrylate	9.387	41	1703	1.797 ug/l	#	78
49) 1,4-Dioxane	9.387	88	216	24.047 ug/l	#	33
51) 4-Methyl-2-Pentanone	10.157	43	8276	9.620 ug/l		88
52) Toluene	10.340	92	9668	2.239 ug/l		92
53) t-1,3-Dichloropropene	10.552	75	4440	2.064 ug/l	#	86
54) cis-1,3-Dichloropropene	10.022	75	5391	2.090 ug/l	#	80
55) 1,1,2-Trichloroethane	10.734	97	2620	2.109 ug/l	#	85
56) Ethyl methacrylate	10.604	69	2098	2.063 ug/l	#	72
57) 1,3-Dichloropropane	10.881	76	5380	2.533 ug/l	#	87
58) 2-Chloroethyl Vinyl ether	9.869	63	5892	9.669 ug/l		90
59) 2-Hexanone	10.922	43	6283	8.987 ug/l		77
60) Dibromochloromethane	11.075	129	3208	2.191 ug/l		92
61) 1,2-Dibromoethane	11.187	107	2619	2.287 ug/l		87
64) Tetrachloroethene	10.810	164	3024	2.329 ug/l		93
65) Chlorobenzene	11.616	112	9892	2.255 ug/l	#	86
66) 1,1,1,2-Tetrachloroethane	11.681	131	3149	2.009 ug/l		94
67) Ethyl Benzene	11.681	91	17138	2.147 ug/l	#	83
68) m/p-Xylenes	11.799	106	13250	4.346 ug/l		99
69) o-Xylene	12.116	106	5512	1.992 ug/l		98
70) Styrene	12.140	104	7600	1.833 ug/l	#	85
71) Bromoform	12.304	173	1465	1.887 ug/l	#	71
73) Isopropylbenzene	12.422	105	14446	2.145 ug/l		97
74) N-amyl acetate	12.234	43	3024	2.347 ug/l	#	80
75) 1,1,2,2-Tetrachloroethane	12.681	83	3260	2.601 ug/l		90
76) 1,2,3-Trichloropropane	12.722	75	2526m	3.074 ug/l		
77) Bromobenzene	12.698	156	3625	2.455 ug/l		86
78) n-propylbenzene	12.763	91	18645	2.232 ug/l		96
79) 2-Chlorotoluene	12.851	91	10649	2.389 ug/l		93
80) 1,3,5-Trimethylbenzene	12.898	105	11869	2.125 ug/l		96
81) trans-1,4-Dichloro-2-b...	12.469	75	674m	1.767 ug/l		
82) 4-Chlorotoluene	12.951	91	10429	2.219 ug/l		96
83) tert-Butylbenzene	13.169	119	10152	2.174 ug/l		91
84) 1,2,4-Trimethylbenzene	13.210	105	11511	2.038 ug/l		98
85) sec-Butylbenzene	13.346	105	15287	2.162 ug/l		97
86) p-Isopropyltoluene	13.457	119	12835	2.086 ug/l		96
87) 1,3-Dichlorobenzene	13.457	146	6714	2.196 ug/l		92
88) 1,4-Dichlorobenzene	13.540	146	7197m	2.382 ug/l		
89) n-Butylbenzene	13.787	91	13258	2.214 ug/l		94
90) Hexachloroethane	14.057	117	2771	2.296 ug/l		97
91) 1,2-Dichlorobenzene	13.828	146	6209	2.415 ug/l		92
92) 1,2-Dibromo-3-Chloropr...	14.457	75	420	2.345 ug/l	#	18
93) 1,2,4-Trichlorobenzene	15.104	180	3673	2.311 ug/l		95
94) Hexachlorobutadiene	15.198	225	1728	2.250 ug/l		96
95) Naphthalene	15.334	128	6463	2.175 ug/l	#	83
96) 1,2,3-Trichlorobenzene	15.528	180	2780	2.085 ug/l		85

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

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

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