Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
Data File : VD070720.D
Acq On : 15 Oct 2021 17:09
Operator : VA/SY
Sample : M4068-03 2.5PPBMDL
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

Manual Integrations APPROVED
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10/18/2021 5:51:18 PM

Quant Time: Oct 18 08:43:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:43:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.979	168	379524	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.861	114	704011	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.638	117	661217	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	295319	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	255710	56.89	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.78%				
35) Dibromofluoromethane	7.914	113	223542	49.59	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.18%				
50) Toluene-d8	10.332	98	793891	45.94	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.88%				
62) 4-Bromofluorobenzene	12.620	95	259798	43.66	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.32%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.985	85	12935	2.92	ug/l		92
3) Chloromethane	2.209	50	18908	2.87	ug/l		92
4) Vinyl Chloride	2.344	62	19214	2.85	ug/l		93
5) Bromomethane	2.773	94	15296	3.72	ug/l		89
6) Chloroethane	2.926	64	12251	2.88	ug/l		89
7) Trichlorofluoromethane	3.268	101	22088	2.90	ug/l		93
8) Diethyl Ether	3.720	74	5969	2.94	ug/l		78
9) 1,1,2-Trichlorotrifluo...	4.097	101	13519	2.96	ug/l		97
10) Methyl Iodide	4.285	142	9444	2.26	ug/l	#	40
11) Tert butyl alcohol	5.197	59	5782m	22.98	ug/l		
12) 1,1-Dichloroethene	4.068	96	11315	2.74	ug/l	#	87
13) Acrolein	3.920	56	3764	15.45	ug/l		96
14) Allyl chloride	4.709	41	20768	2.66	ug/l	#	90
15) Acrylonitrile	5.415	53	13624	12.73	ug/l		94
16) Acetone	4.156	43	13503	12.45	ug/l		97
17) Carbon Disulfide	4.409	76	39712	2.64	ug/l	#	90
18) Methyl Acetate	4.715	43	12374	3.28	ug/l	#	68
19) Methyl tert-butyl Ether	5.473	73	21135	2.37	ug/l	#	85
20) Methylene Chloride	4.956	84	52643	7.52	ug/l		89
21) trans-1,2-Dichloroethene	5.479	96	12061m	2.55	ug/l		
22) Diisopropyl ether	6.356	45	32343	2.13	ug/l	#	77
23) Vinyl Acetate	6.309	43	70144m	9.77	ug/l		
24) 1,1-Dichloroethane	6.262	63	26370	2.78	ug/l		99
25) 2-Butanone	7.203	43	15763	11.77	ug/l	#	70
26) 2,2-Dichloropropane	7.209	77	18932	2.53	ug/l		95
27) cis-1,2-Dichloroethene	7.197	96	12951	2.55	ug/l		81
28) Bromochloromethane	7.544	49	10712	2.84	ug/l	#	82
29) Tetrahydrofuran	7.561	42	10185	12.42	ug/l	#	84
30) Chloroform	7.709	83	26866	2.90	ug/l		86
31) Cyclohexane	7.979	56	28930	3.18	ug/l	#	69
32) 1,1,1-Trichloroethane	7.903	97	21607	2.75	ug/l	#	92
36) 1,1-Dichloropropene	8.108	75	18881	2.41	ug/l		97
37) Ethyl Acetate	7.291	43	8586	2.64	ug/l	#	86
38) Carbon Tetrachloride	8.091	117	19946	2.66	ug/l		94
39) Methylcyclohexane	9.355	83	19574	2.21	ug/l	#	88
40) Benzene	8.350	78	56412	2.50	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.520	41	4245	2.28	ug/l	#	64
42) 1,2-Dichloroethane	8.420	62	17720	2.76	ug/l		97
43) Isopropyl Acetate	8.450	43	16996	2.74	ug/l	#	83
44) Trichloroethene	9.103	130	14129	2.66	ug/l		95
45) 1,2-Dichloropropane	9.379	63	13999	2.35	ug/l		92
46) Dibromomethane	9.473	93	6694	2.34	ug/l		90
47) Bromodichloromethane	9.661	83	19089	2.52	ug/l		88
48) Methyl methacrylate	9.450	41	6097	2.01	ug/l	#	89
49) 1,4-Dioxane	9.461	88	1450	47.25	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.220	43	34974	10.71	ug/l	#	83
52) Toluene	10.397	92	32379	2.41	ug/l		98
53) t-1,3-Dichloropropene	10.614	75	15440	2.28	ug/l		93
54) cis-1,3-Dichloropropene	10.085	75	16882	2.08	ug/l	#	82
55) 1,1,2-Trichloroethane	10.797	97	10061	2.56	ug/l	#	83
56) Ethyl methacrylate	10.655	69	9631	2.06	ug/l	#	72
57) 1,3-Dichloropropane	10.938	76	17338	2.49	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.938	63	19169	9.27	ug/l		92
59) 2-Hexanone	10.979	43	23021	10.01	ug/l		88
60) Dibromochloromethane	11.126	129	11046	2.45	ug/l		91
61) 1,2-Dibromoethane	11.238	107	8212	2.29	ug/l		99
64) Tetrachloroethene	10.879	164	11855	2.67	ug/l	#	78
65) Chlorobenzene	11.661	112	33656	2.48	ug/l	#	88
66) 1,1,1,2-Tetrachloroethane	11.738	131	12746	2.54	ug/l		94
67) Ethyl Benzene	11.738	91	53867	2.17	ug/l		94
68) m/p-Xylenes	11.844	106	37939	4.04	ug/l		98
69) o-Xylene	12.173	106	16620	1.95	ug/l		94
70) Styrene	12.185	104	28146	1.90	ug/l		96
71) Bromoform	12.349	173	6298	2.42	ug/l	#	95
73) Isopropylbenzene	12.473	105	43555	2.07	ug/l		98
74) N-amyl acetate	12.279	43	11822	2.16	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	11841	2.84	ug/l		96
76) 1,2,3-Trichloropropane	12.773	75	8150m	3.19	ug/l		
77) Bromobenzene	12.749	156	13540	2.84	ug/l		92
78) n-propylbenzene	12.808	91	63494	2.32	ug/l		97
79) 2-Chlorotoluene	12.896	91	36668	2.32	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	39087	2.20	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.514	75	2712m	2.33	ug/l		
82) 4-Chlorotoluene	12.996	91	39280	2.35	ug/l		96
83) tert-Butylbenzene	13.214	119	31957	2.17	ug/l		94
84) 1,2,4-Trimethylbenzene	13.261	105	36847	2.08	ug/l		98
85) sec-Butylbenzene	13.391	105	48202	2.09	ug/l		97
86) p-Isopropyltoluene	13.502	119	36002	1.94	ug/l		96
87) 1,3-Dichlorobenzene	13.502	146	26035	2.60	ug/l		96
88) 1,4-Dichlorobenzene	13.585	146	27270	2.76	ug/l		88
89) n-Butylbenzene	13.826	91	40764	2.17	ug/l		96
90) Hexachloroethane	14.096	117	10980	2.74	ug/l		91
91) 1,2-Dichlorobenzene	13.879	146	22329	2.61	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1997	3.01	ug/l		89
93) 1,2,4-Trichlorobenzene	15.149	180	11789	2.41	ug/l		93
94) Hexachlorobutadiene	15.255	225	8856	2.76	ug/l		99
95) Naphthalene	15.385	128	20912	2.52	ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.573	180	12283	2.83	ug/l		94

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

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