Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
Data File : VD068672.D
Acq On : 19 Mar 2021 20:06
Operator : VA/SY
Sample : M1458-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations APPROVED
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3/22/2021 11:37:11 AM

Quant Time: Mar 20 02:38:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:37:23 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.985	168	294460	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.867	114	529344	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.643	117	492294	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	223526	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.332	65	159456	53.70	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.40%				
35) Dibromofluoromethane	7.920	113	171400	52.04	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.08%				
50) Toluene-d8	10.338	98	654143	51.52	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.04%				
62) 4-Bromofluorobenzene	12.632	95	209040	50.78	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.56%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	11145	4.84	ug/l		100
3) Chloromethane	2.209	50	14132	4.98	ug/l		96
4) Vinyl Chloride	2.350	62	16231	4.84	ug/l	#	86
5) Bromomethane	2.773	94	12945	5.23	ug/l		85
6) Chloroethane	2.920	64	10467	4.77	ug/l	#	84
7) Trichlorofluoromethane	3.279	101	18988	4.75	ug/l	#	77
8) Diethyl Ether	3.720	74	5032	4.55	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.103	101	11113	4.65	ug/l		98
10) Methyl Iodide	4.314	142	9094	3.69	ug/l		97
11) Tert butyl alcohol	5.209	59	3533m	25.82	ug/l		
12) 1,1-Dichloroethene	4.062	96	11233	4.83	ug/l	#	79
13) Acrolein	3.926	56	3312	26.50	ug/l		95
14) Allyl chloride	4.726	41	12883	4.56	ug/l		98
15) Acrylonitrile	5.432	53	11447	21.28	ug/l		98
16) Acetone	4.173	43	7642	21.21	ug/l		96
17) Carbon Disulfide	4.409	76	35976	4.81	ug/l		98
18) Methyl Acetate	4.726	43	4409	4.45	ug/l	#	85
19) Methyl tert-butyl Ether	5.485	73	24483	4.18	ug/l		97
20) Methylene Chloride	4.967	84	37593	9.59	ug/l		97
21) trans-1,2-Dichloroethene	5.473	96	14449	4.47	ug/l	#	89
22) Diisopropyl ether	6.367	45	29052	4.04	ug/l	#	89
23) Vinyl Acetate	6.314	43	71760m	18.79	ug/l		
24) 1,1-Dichloroethane	6.267	63	23856	4.53	ug/l		99
25) 2-Butanone	7.226	43	12530	20.99	ug/l		93
26) 2,2-Dichloropropane	7.214	77	19543	4.17	ug/l		97
27) cis-1,2-Dichloroethene	7.214	96	16563	4.59	ug/l		98
28) Bromochloromethane	7.555	49	9372	4.50	ug/l	#	94
29) Tetrahydrofuran	7.561	42	7630	20.22	ug/l		95
30) Chloroform	7.708	83	25618	4.47	ug/l		93
31) Cyclohexane	7.985	56	24780	5.17	ug/l	#	74
32) 1,1,1-Trichloroethane	7.914	97	23278	4.55	ug/l		98
36) 1,1-Dichloropropene	8.114	75	20552	4.35	ug/l		99
37) Ethyl Acetate	7.297	43	6563	4.40	ug/l	#	73
38) Carbon Tetrachloride	8.097	117	18835	3.99	ug/l		86
39) Methylcyclohexane	9.361	83	23518	4.03	ug/l		92
40) Benzene	8.350	78	59309	4.30	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.538	41	2936	3.36	ug/l	#	25
42) 1,2-Dichloroethane	8.426	62	15505	4.30	ug/l		98
43) Isopropyl Acetate	8.455	43	11412	3.99	ug/l		97
44) Trichloroethene	9.120	130	17363	4.54	ug/l		72
45) 1,2-Dichloropropane	9.391	63	13847	4.20	ug/l		96
46) Dibromomethane	9.479	93	7152	3.81	ug/l		87
47) Bromodichloromethane	9.667	83	20390	4.24	ug/l		88
48) Methyl methacrylate	9.455	41	5716	3.94	ug/l		94
49) 1,4-Dioxane	9.473	88	1823	87.42	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.226	43	27671	18.57	ug/l		97
52) Toluene	10.402	92	37367	4.28	ug/l		98
53) t-1,3-Dichloropropene	10.620	75	17179	3.88	ug/l		94
54) cis-1,3-Dichloropropene	10.091	75	19725	3.75	ug/l	#	85
55) 1,1,2-Trichloroethane	10.802	97	10293	3.90	ug/l		97
56) Ethyl methacrylate	10.661	69	10040	3.52	ug/l		94
57) 1,3-Dichloropropane	10.944	76	18499	4.29	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.944	63	26828	18.46	ug/l		95
59) 2-Hexanone	10.985	43	17745	17.74	ug/l		96
60) Dibromochloromethane	11.138	129	13368	4.08	ug/l		100
61) 1,2-Dibromoethane	11.249	107	9557	3.75	ug/l		82
64) Tetrachloroethene	10.873	164	13492	4.23	ug/l		94
65) Chlorobenzene	11.667	112	41340	4.27	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.738	131	13979	4.01	ug/l		93
67) Ethyl Benzene	11.743	91	66268	3.92	ug/l		99
68) m/p-Xylenes	11.855	106	50693	7.70	ug/l		97
69) o-Xylene	12.179	106	23395	3.83	ug/l		94
70) Styrene	12.191	104	39155	3.73	ug/l		97
71) Bromoform	12.361	173	7480	4.07	ug/l	#	93
73) Isopropylbenzene	12.479	105	60757	3.96	ug/l		97
74) N-amyl acetate	12.291	43	9362	3.66	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.726	83	11794	4.35	ug/l		97
76) 1,2,3-Trichloropropane	12.779	75	7774m	4.18	ug/l		
77) Bromobenzene	12.761	156	16031	4.45	ug/l		100
78) n-propylbenzene	12.820	91	73545	4.02	ug/l		99
79) 2-Chlorotoluene	12.908	91	40692	4.08	ug/l		99
80) 1,3,5-Trimethylbenzene	12.955	105	47017	3.79	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.526	75	3153	3.86	ug/l		87
82) 4-Chlorotoluene	13.002	91	43870	4.12	ug/l		96
83) tert-Butylbenzene	13.220	119	41015	3.87	ug/l		98
84) 1,2,4-Trimethylbenzene	13.267	105	47639	3.71	ug/l		94
85) sec-Butylbenzene	13.396	105	59652	3.88	ug/l		98
86) p-Isopropyltoluene	13.514	119	51758	3.70	ug/l		97
87) 1,3-Dichlorobenzene	13.508	146	30088	4.19	ug/l		98
88) 1,4-Dichlorobenzene	13.590	146	30935	4.38	ug/l		93
89) n-Butylbenzene	13.837	91	51499	3.87	ug/l		96
90) Hexachloroethane	14.102	117	10287	4.08	ug/l		95
91) 1,2-Dichlorobenzene	13.890	146	26463	4.34	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	1709	4.40	ug/l		85
93) 1,2,4-Trichlorobenzene	15.155	180	15706	3.96	ug/l		98
94) Hexachlorobutadiene	15.261	225	9937	4.39	ug/l		96
95) Naphthalene	15.396	128	27532	3.97	ug/l		98
96) 1,2,3-Trichlorobenzene	15.590	180	14235	4.22	ug/l		97

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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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