Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101020\
Data File : VU040630.D
Acq On : 10 Oct 2020 12:43
Operator : SY/MD
Sample : L4485-20
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-ME-SOIL-06

Quant Time: Oct 12 01:53:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 12 01:29:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	253435	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	251732	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	116891	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	94701	43.51	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.02%			
7) Chloroethane-d5	1.92	69	75038	45.25	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.50%			
11) 1,1-Dichloroethene-d2	2.58	63	145341	35.00	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.00%			
21) 2-Butanone-d5	4.65	46	199867	115.71	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.71%			
24) Chloroform-d	5.08	84	178317	47.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.00%			
26) 1,2-Dichloroethane-d4	5.72	65	128822	49.27	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.54%			
32) Benzene-d6	5.74	84	348254	48.61	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.22%			
36) 1,2-Dichloropropane-d6	6.70	67	116658	48.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.16%			
41) Toluene-d8	7.91	98	301490	46.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.84%			
43) trans-1,3-Dichloropropene-	8.19	79	55234	45.95	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.90%			
47) 2-Hexanone-d5	8.64	63	123706	110.51	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 110.51%			
56) 1,1,2,2-Tetrachloroethane-	10.75	84	171158	49.35	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.70%			
66) 1,2-Dichlorobenzene-d4	12.19	152	120479	50.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	5657	2.318	ug/L	93
3) Chloromethane	1.53	50	5947	2.319	ug/L	97
5) Vinyl chloride	1.61	62	5703	2.246	ug/L #	5
6) Bromomethane	1.87	94	2630	1.973	ug/L	93
8) Chloroethane	1.94	64	3388	2.212	ug/L	100
9) Trichlorofluoromethane	2.15	101	8149	2.502	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5292	2.726	ug/L	93
12) 1,1-Dichloroethene	2.59	96	5365	2.989	ug/L #	1
13) Acetone	2.65	43	8811	5.312	ug/L	93
14) Carbon disulfide	2.81	76	13689	2.221	ug/L	96
15) Methyl Acetate	2.97	43	6798	2.512	ug/L	99
16) Methylene chloride	3.07	84	5596	2.629	ug/L	91
17) trans-1,2-Dichloroethene	3.37	96	4388	2.295	ug/L	88
18) Methyl tert-butyl Ether	3.38	73	12806	2.130	ug/L	99
19) 1,1-Dichloroethane	3.89	63	8660	2.271	ug/L	96
20) cis-1,2-Dichloroethene	4.69	96	4659m	2.261	ug/L	
22) 2-Butanone	4.73	43	10090	4.768	ug/L #	64

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	5.00	128	2512	2.340 ug/L		84
25) Chloroform	5.11	83	12215	3.142 ug/L		99
27) 1,2-Dichloroethane	5.81	62	8101	2.525 ug/L		98
29) Cyclohexane	5.41	56	6797	2.017 ug/L		93
30) 1,1,1-Trichloroethane	5.34	97	7462	2.308 ug/L	#	90
31) Carbon tetrachloride	5.54	117	6332	2.265 ug/L		97
33) Benzene	5.79	78	19675	2.418 ug/L		100
34) Trichloroethene	6.56	95	4725	2.254 ug/L		94
35) Methylcyclohexane	6.77	83	6814	2.138 ug/L		92
37) 1,2-Dichloropropane	6.81	63	5358	2.398 ug/L		98
38) Bromodichloromethane	7.12	83	6374	2.196 ug/L		97
39) cis-1,3-Dichloropropene	7.62	75	7207	2.201 ug/L		94
40) 4-Methyl-2-pentanone	7.80	43	16079	4.561 ug/L		96
42) Toluene	7.98	91	18843	2.268 ug/L		93
44) trans-1,3-Dichloropropene	8.22	75	6748	2.047 ug/L		92
45) 1,1,2-Trichloroethane	8.40	97	5028	2.512 ug/L		94
46) Tetrachloroethene	8.56	164	3698	2.442 ug/L		84
48) 2-Hexanone	8.69	43	16359	5.709 ug/L		95
49) Dibromochloromethane	8.82	129	4902	2.243 ug/L		96
50) 1,2-Dibromoethane	8.93	107	4754	2.241 ug/L	#	96
51) Chlorobenzene	9.45	112	12001	2.203 ug/L		99
52) Ethylbenzene	9.57	91	18691	2.027 ug/L		95
53) m,p-Xylene	9.69	106	6318	1.861 ug/L		95
54) o-xylene	10.10	106	6124	1.896 ug/L		92
55) Styrene	10.11	104	9407	1.653 ug/L		94
57) 1,1,2,2-Tetrachloroethane	10.78	83	7896	2.231 ug/L	#	95
59) Bromoform	10.29	173	3251	2.269 ug/L	#	91
60) 1,2,3-Trichloropropane	10.82	75	7304	2.751 ug/L		96
61) Isopropylbenzene	10.48	105	15118	1.926 ug/L		99
62) 1,3,5-Trimethylbenzene	11.09	105	11408	1.769 ug/L		99
63) 1,2,4-Trimethylbenzene	11.46	105	11321	1.731 ug/L		95
64) 1,3-Dichlorobenzene	11.74	146	8566	2.238 ug/L		94
65) 1,4-Dichlorobenzene	11.83	146	9966	2.479 ug/L		93
67) 1,2-Dichlorobenzene	12.21	146	10196	2.659 ug/L		95
68) 1,2-Dibromo-3-chloropropan	12.99	75	1855	2.487 ug/L		90
69) 1,3,5-Trichlorobenzene	13.21	180	5808	2.316 ug/L		95
70) 1,2,4-trichlorobenzene	13.83	180	4289	1.973 ug/L		97
71) Naphthalene	14.08	128	8572	1.276 ug/L		98
72) 1,2,3-Trichlorobenzene	14.32	180	3816	1.769 ug/L		97

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

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