Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073019\
Data File : VU033485.D
Acq On : 30 Jul 2019 11:24
Operator : JC/SP
Sample : MDL04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL04

Manual Integrations APPROVED
MMdadoda
8/1/2019 3:14:49 PM

Quant Time: Jul 31 08:59:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294129	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	299905	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	143524	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	116055	43.46	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 86.92%			
7) Chloroethane-d5	1.67	69	102250	46.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.68%			
11) 1,1-Dichloroethene-d2	2.26	63	186201	38.12	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.24%			
21) 2-Butanone-d5	4.15	46	136577	89.24	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 89.24%			
24) Chloroform-d	4.62	84	174862	43.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.50%			
26) 1,2-Dichloroethane-d4	5.29	65	126466	49.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.08%			
32) Benzene-d6	5.32	84	384697	47.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.56%			
36) 1,2-Dichloropropane-d6	6.31	67	122367	49.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.00%			
41) Toluene-d8	7.55	98	351889	46.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.98%			
43) trans-1,3-Dichloropropene-	7.83	79	56245	46.09	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.18%			
47) 2-Hexanone-d5	8.29	63	106622	102.78	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.78%			
56) 1,1,2,2-Tetrachloroethane-	10.41	84	182927	47.73	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.46%			
66) 1,2-Dichlorobenzene-d4	11.85	152	138387	50.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	7497	2.555	ug/L	100
3) Chloromethane	1.32	50	7943	2.711	ug/L	99
5) Vinyl chloride	1.40	62	9004	2.687	ug/L #	73
6) Bromomethane	1.62	94	6079	2.596	ug/L	93
8) Chloroethane	1.69	64	5459	2.656	ug/L	100
9) Trichlorofluoromethane	1.87	101	11320	2.576	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7244	3.280	ug/L	88
12) 1,1-Dichloroethene	2.27	96	7627	3.544	ug/L #	1
13) Acetone	2.31	43	9363	6.173	ug/L	94
14) Carbon disulfide	2.46	76	16178	2.523	ug/L #	94
15) Methyl Acetate	2.60	43	6390	2.627	ug/L	96
16) Methylene chloride	2.68	84	6542	2.767	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	5429	2.540	ug/L	97
18) Methyl tert-butyl Ether	2.98	73	15308	2.427	ug/L	100
19) 1,1-Dichloroethane	3.42	63	9981	2.480	ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	6269	2.657	ug/L	99
22) 2-Butanone	4.25	43	8707	4.831	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	4.53	128	3125m	2.494 ug/L		
25) Chloroform	4.65	83	29992	7.029 ug/L		96
27) 1,2-Dichloroethane	5.39	62	8810	2.659 ug/L		97
29) Cyclohexane	4.97	56	7253	2.201 ug/L	#	88
30) 1,1,1-Trichloroethane	4.89	97	9262	2.594 ug/L		99
31) Carbon tetrachloride	5.11	117	7851	2.470 ug/L		98
33) Benzene	5.37	78	23292	2.598 ug/L		100
34) Trichloroethene	6.17	95	6110	2.616 ug/L		98
35) Methylcyclohexane	6.40	83	8668	2.441 ug/L		94
37) 1,2-Dichloropropane	6.42	63	6223	2.581 ug/L		99
38) Bromodichloromethane	6.74	83	8120	2.559 ug/L		93
39) cis-1,3-Dichloropropene	7.25	75	9383	2.610 ug/L		96
40) 4-Methyl-2-pentanone	7.44	43	14338	4.513 ug/L		97
42) Toluene	7.62	91	24635	2.554 ug/L		97
44) trans-1,3-Dichloropropene	7.86	75	8697	2.665 ug/L		91
45) 1,1,2-Trichloroethane	8.05	97	5816	2.529 ug/L		94
46) Tetrachloroethene	8.21	164	4762	2.506 ug/L		97
48) 2-Hexanone	8.35	43	17036	6.582 ug/L		92
49) Dibromochloromethane	8.46	129	6382	2.479 ug/L		98
50) 1,2-Dibromoethane	8.57	107	6581	2.638 ug/L	#	97
51) Chlorobenzene	9.10	112	17050	2.660 ug/L		97
52) Ethylbenzene	9.23	91	24835	2.375 ug/L		97
53) m,p-Xylene	9.36	106	8859	2.253 ug/L		100
54) o-xylene	9.77	106	8480	2.199 ug/L		97
55) Styrene	9.78	104	13105	2.003 ug/L		91
57) 1,1,2,2-Tetrachloroethane	10.44	83	11069	2.708 ug/L		98
59) Bromoform	9.95	173	4675	2.604 ug/L		99
60) 1,2,3-Trichloropropane	10.48	75	8724	2.984 ug/L		94
61) Isopropylbenzene	10.15	105	22137	2.408 ug/L		98
62) 1,3,5-Trimethylbenzene	10.76	105	16531	2.219 ug/L		97
63) 1,2,4-Trimethylbenzene	11.13	105	15701	2.125 ug/L		97
64) 1,3-Dichlorobenzene	11.40	146	12460	2.659 ug/L		96
65) 1,4-Dichlorobenzene	11.49	146	13006	2.687 ug/L		98
67) 1,2-Dichlorobenzene	11.86	146	12632	2.691 ug/L		99
68) 1,2-Dibromo-3-chloropropan	12.64	75	2006	2.468 ug/L		90
69) 1,3,5-Trichlorobenzene	12.88	180	8338	2.344 ug/L		99
70) 1,2,4-trichlorobenzene	13.50	180	5926	1.996 ug/L	#	94
71) Naphthalene	13.74	128	14890m	1.734 ug/L		
72) 1,2,3-Trichlorobenzene	13.98	180	6073	1.952 ug/L		99

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

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