Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021020\
Data File : VU036709.D
Acq On : 10 Feb 2020 13:36
Operator : JC/MD
Sample : MDL04
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL04

Manual Integrations APPROVED
MMDadoda
2/12/2020 3:10:10 PM

Quant Time: Feb 11 03:59:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 11 03:31:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	260489	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	242757	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	104133	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	72664	41.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.66%			
7) Chloroethane-d5	1.93	69	72526	45.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.04%			
11) 1,1-Dichloroethene-d2	2.59	63	109072	33.26	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.52%			
21) 2-Butanone-d5	4.68	46	155269	104.76	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.76%			
24) Chloroform-d	5.11	84	144917	46.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.18%			
26) 1,2-Dichloroethane-d4	5.75	65	103192	47.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.98%			
32) Benzene-d6	5.77	84	309238	48.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.90%			
36) 1,2-Dichloropropane-d6	6.73	67	105765	49.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.84%			
41) Toluene-d8	7.93	98	276900	47.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.76%			
43) trans-1,3-Dichloropropene-	8.21	79	48209	47.52	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.04%			
47) 2-Hexanone-d5	8.67	63	122137	101.01	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 101.01%			
56) 1,1,2,2-Tetrachloroethane-	10.78	84	152253	48.76	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.52%			
66) 1,2-Dichlorobenzene-d4	12.21	152	94882	50.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	4300	2.389	ug/L	96
3) Chloromethane	1.54	50	5687	2.667	ug/L	96
5) Vinyl chloride	1.62	62	6196	2.698	ug/L #	75
6) Bromomethane	1.87	94	3629	2.520	ug/L	98
8) Chloroethane	1.95	64	5144m	3.529	ug/L	
9) Trichlorofluoromethane	2.16	101	7020	2.573	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4961	3.035	ug/L	85
12) 1,1-Dichloroethene	2.61	96	4661	2.929	ug/L #	1
13) Acetone	2.66	43	11586	7.359	ug/L	98
14) Carbon disulfide	2.82	76	11995	2.523	ug/L	99
15) Methyl Acetate	2.99	43	5956	2.617	ug/L	97
16) Methylene chloride	3.08	84	6154	3.133	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	4562	2.695	ug/L	96
18) Methyl tert-butyl Ether	3.41	73	15304	2.604	ug/L	99
19) 1,1-Dichloroethane	3.92	63	8737	2.590	ug/L	95
20) cis-1,2-Dichloroethene	4.72	96	5149	2.669	ug/L	95
22) 2-Butanone	4.76	43	10966	5.868	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	5.02	128	2244	2.482 ug/L		96
25) Chloroform	5.14	83	10586	3.227 ug/L		97
27) 1,2-Dichloroethane	5.84	62	7567	2.743 ug/L		97
29) Cyclohexane	5.43	56	8052	2.582 ug/L		99
30) 1,1,1-Trichloroethane	5.36	97	6451	2.502 ug/L		96
31) Carbon tetrachloride	5.57	117	5694	2.727 ug/L		95
33) Benzene	5.82	78	19502	2.656 ug/L		100
34) Trichloroethene	6.58	95	4680	2.578 ug/L		98
35) Methylcyclohexane	6.80	83	8118	2.539 ug/L		98
37) 1,2-Dichloropropane	6.83	63	5613	2.835 ug/L	#	88
38) Bromodichloromethane	7.14	83	5977	2.484 ug/L		92
39) cis-1,3-Dichloropropene	7.64	75	7445	2.353 ug/L		90
40) 4-Methyl-2-pentanone	7.83	43	16030	5.124 ug/L		98
42) Toluene	8.00	91	21816	2.750 ug/L		98
44) trans-1,3-Dichloropropene	8.24	75	7031	2.544 ug/L		99
45) 1,1,2-Trichloroethane	8.43	97	4530	2.508 ug/L		95
46) Tetrachloroethene	8.58	164	3629	2.848 ug/L		94
48) 2-Hexanone	8.72	43	15339	6.011 ug/L		95
49) Dibromochloromethane	8.84	129	4082	2.311 ug/L		94
50) 1,2-Dibromoethane	8.95	107	4728	2.492 ug/L	#	94
51) Chlorobenzene	9.47	112	12393	2.594 ug/L		99
52) Ethylbenzene	9.60	91	22402	2.570 ug/L		99
53) m,p-Xylene	9.72	106	8155	2.536 ug/L		96
54) o-xylene	10.13	106	7769	2.439 ug/L		100
55) Styrene	10.14	104	12382	2.332 ug/L		99
57) 1,1,2,2-Tetrachloroethane	10.81	83	8410	2.584 ug/L		97
59) Bromoform	10.32	173	2886	2.509 ug/L	#	94
60) 1,2,3-Trichloropropane	10.85	75	6660	2.719 ug/L		95
61) Isopropylbenzene	10.51	105	20187	2.603 ug/L		97
62) 1,3,5-Trimethylbenzene	11.11	105	16887	2.540 ug/L		100
63) 1,2,4-Trimethylbenzene	11.49	105	16892	2.545 ug/L		96
64) 1,3-Dichlorobenzene	11.77	146	8594	2.636 ug/L		96
65) 1,4-Dichlorobenzene	11.86	146	8822	2.687 ug/L		95
67) 1,2-Dichlorobenzene	12.23	146	9069	2.747 ug/L		94
68) 1,2-Dibromo-3-chloropropan	13.01	75	1630	2.329 ug/L		93
69) 1,3,5-Trichlorobenzene	13.23	180	5189	2.295 ug/L		99
70) 1,2,4-trichlorobenzene	13.85	180	3591	1.905 ug/L		94
71) Naphthalene	14.10	128	10567	1.590 ug/L		99
72) 1,2,3-Trichlorobenzene	14.34	180	3774	2.009 ug/L		90

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

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