Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021120\
Data File : VU036721.D
Acq On : 11 Feb 2020 13:32
Operator : JC/MD
Sample : MDL07
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL07

Manual Integrations APPROVED
MMDadoda
2/12/2020 3:10:57 PM

Quant Time: Feb 12 02:48:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 12 02:32:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258281	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	240984	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	101880	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	59044	34.28	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 68.56%			
7) Chloroethane-d5	1.93	69	61608	38.57	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 77.14%			
11) 1,1-Dichloroethene-d2	2.59	63	91363	28.09	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 56.18%#			
21) 2-Butanone-d5	4.68	46	138874	94.50	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 94.50%			
24) Chloroform-d	5.11	84	128872	41.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 82.68%			
26) 1,2-Dichloroethane-d4	5.75	65	95249	44.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.34%			
32) Benzene-d6	5.77	84	275897	43.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.10%			
36) 1,2-Dichloropropane-d6	6.73	67	96426	45.85	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.70%			
41) Toluene-d8	7.93	98	245539	42.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 84.64%			
43) trans-1,3-Dichloropropene-	8.21	79	43301	43.00	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.00%			
47) 2-Hexanone-d5	8.67	63	109471	91.20	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 91.20%			
56) 1,1,2,2-Tetrachloroethane-	10.78	84	143577	46.32	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.64%			
66) 1,2-Dichlorobenzene-d4	12.21	152	85659	46.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	4085	2.289	ug/L	99
3) Chloromethane	1.54	50	5213	2.465	ug/L	98
5) Vinyl chloride	1.62	62	6210	2.727	ug/L #	55
6) Bromomethane	1.87	94	3242	2.271	ug/L	96
8) Chloroethane	1.95	64	3621	2.506	ug/L	98
9) Trichlorofluoromethane	2.16	101	6467	2.390	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5117	3.157	ug/L #	84
12) 1,1-Dichloroethene	2.61	96	4492	2.847	ug/L #	1
13) Acetone	2.66	43	7976	5.109	ug/L	99
14) Carbon disulfide	2.82	76	11888	2.521	ug/L	97
15) Methyl Acetate	2.99	43	5526	2.449	ug/L	98
16) Methylene chloride	3.08	84	5155	2.647	ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	4292	2.557	ug/L	94
18) Methyl tert-butyl Ether	3.41	73	13897	2.385	ug/L	98
19) 1,1-Dichloroethane	3.92	63	8196	2.450	ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	4643	2.427	ug/L	99
22) 2-Butanone	4.76	43	8614	4.649	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	5.02	128	2189	2.442 ug/L		92
25) Chloroform	5.14	83	15486	4.761 ug/L		98
27) 1,2-Dichloroethane	5.84	62	7153	2.615 ug/L	#	91
29) Cyclohexane	5.43	56	7195	2.324 ug/L		98
30) 1,1,1-Trichloroethane	5.36	97	6239	2.437 ug/L		97
31) Carbon tetrachloride	5.57	117	5042m	2.433 ug/L		
33) Benzene	5.82	78	19106	2.621 ug/L		100
34) Trichloroethene	6.58	95	4409	2.446 ug/L		97
35) Methylcyclohexane	6.80	83	7553	2.379 ug/L		98
37) 1,2-Dichloropropane	6.83	63	5158	2.624 ug/L	#	92
38) Bromodichloromethane	7.14	83	5825	2.439 ug/L		97
39) cis-1,3-Dichloropropene	7.64	75	6973	2.220 ug/L		95
40) 4-Methyl-2-pentanone	7.83	43	14275	4.597 ug/L		97
42) Toluene	8.00	91	20155	2.559 ug/L		98
44) trans-1,3-Dichloropropene	8.24	75	6598	2.405 ug/L		98
45) 1,1,2-Trichloroethane	8.43	97	4454	2.484 ug/L		98
46) Tetrachloroethene	8.58	164	3486	2.756 ug/L		97
48) 2-Hexanone	8.72	43	14417	5.691 ug/L		97
49) Dibromochloromethane	8.84	129	4152	2.367 ug/L		97
50) 1,2-Dibromoethane	8.95	107	4588	2.436 ug/L	#	98
51) Chlorobenzene	9.47	112	11865	2.502 ug/L		98
52) Ethylbenzene	9.60	91	20612	2.382 ug/L		98
53) m,p-Xylene	9.72	106	7504	2.350 ug/L		93
54) o-xylene	10.13	106	7260	2.296 ug/L		89
55) Styrene	10.14	104	11498	2.181 ug/L		98
57) 1,1,2,2-Tetrachloroethane	10.81	83	8137	2.518 ug/L	#	97
59) Bromoform	10.32	173	2635	2.341 ug/L	#	94
60) 1,2,3-Trichloropropane	10.85	75	6409	2.674 ug/L		98
61) Isopropylbenzene	10.51	105	19581	2.581 ug/L		99
62) 1,3,5-Trimethylbenzene	11.11	105	15739	2.420 ug/L		100
63) 1,2,4-Trimethylbenzene	11.49	105	15046	2.317 ug/L		99
64) 1,3-Dichlorobenzene	11.77	146	7920	2.483 ug/L		97
65) 1,4-Dichlorobenzene	11.86	146	8251	2.569 ug/L		97
67) 1,2-Dichlorobenzene	12.23	146	8558	2.649 ug/L		96
68) 1,2-Dibromo-3-chloropropan	13.01	75	1521	2.221 ug/L		87
69) 1,3,5-Trichlorobenzene	13.24	180	4985	2.253 ug/L		96
70) 1,2,4-trichlorobenzene	13.86	180	2975	1.613 ug/L		97
71) Naphthalene	14.10	128	8786	1.351 ug/L		98
72) 1,2,3-Trichlorobenzene	14.34	180	2891	1.573 ug/L		97

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

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