Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020720\
Data File : VU036698.D
Acq On : 07 Feb 2020 13:13
Operator : JC/MD
Sample : MDL01
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL01

Manual Integrations APPROVED
MMDadoda
2/10/2020 11:54:14 AM

Quant Time: Feb 07 23:20:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 22:36:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	262264	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	246401	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	104578	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	76909	43.97	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.94%			
7) Chloroethane-d5	1.93	69	74755	46.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.18%			
11) 1,1-Dichloroethene-d2	2.59	63	112804	34.16	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.32%			
21) 2-Butanone-d5	4.68	46	114693	76.86	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 76.86%			
24) Chloroform-d	5.11	84	136595	43.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.30%			
26) 1,2-Dichloroethane-d4	5.75	65	105848	48.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.78%			
32) Benzene-d6	5.77	84	312872	48.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.60%			
36) 1,2-Dichloropropane-d6	6.73	67	106237	49.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.80%			
41) Toluene-d8	7.93	98	283527	47.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.58%			
43) trans-1,3-Dichloropropene-	8.21	79	47819	46.44	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.88%			
47) 2-Hexanone-d5	8.67	63	127238	103.67	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 103.67%			
56) 1,1,2,2-Tetrachloroethane-	10.78	84	152603	48.15	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.30%			
66) 1,2-Dichlorobenzene-d4	12.21	152	96329	50.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	4132	2.280	ug/L	98
3) Chloromethane	1.54	50	4992	2.325	ug/L	94
5) Vinyl chloride	1.62	62	5469	2.365	ug/L #	50
6) Bromomethane	1.87	94	3435	2.369	ug/L	98
8) Chloroethane	1.95	64	3263	2.224	ug/L	84
9) Trichlorofluoromethane	2.16	101	6460	2.351	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4610	2.801	ug/L	88
12) 1,1-Dichloroethene	2.61	96	4222	2.635	ug/L #	1
13) Acetone	2.66	43	10172	6.417	ug/L	95
14) Carbon disulfide	2.82	76	11104	2.319	ug/L	98
15) Methyl Acetate	2.99	43	5526	2.411	ug/L	94
16) Methylene chloride	3.09	84	4893	2.475	ug/L	87
17) trans-1,2-Dichloroethene	3.39	96	4041	2.371	ug/L	91
18) Methyl tert-butyl Ether	3.41	73	14037	2.373	ug/L	97
19) 1,1-Dichloroethane	3.92	63	8076	2.378	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	4679	2.409	ug/L	89
22) 2-Butanone	4.76	43	15463	8.219	ug/L	83

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	5.02	128	1909	2.097 ug/L		93
25) Chloroform	5.14	83	20350	6.161 ug/L		97
27) 1,2-Dichloroethane	5.84	62	6874	2.475 ug/L		98
29) Cyclohexane	5.43	56	6977	2.204 ug/L		96
30) 1,1,1-Trichloroethane	5.36	97	6135	2.344 ug/L		99
31) Carbon tetrachloride	5.57	117	4880	2.303 ug/L		100
33) Benzene	5.82	78	18270	2.451 ug/L		100
34) Trichloroethene	6.58	95	4264	2.314 ug/L		95
35) Methylcyclohexane	6.80	83	7869	2.425 ug/L		97
37) 1,2-Dichloropropane	6.83	63	4862	2.419 ug/L	#	95
38) Bromodichloromethane	7.14	83	5486	2.246 ug/L		98
39) cis-1,3-Dichloropropene	7.64	75	7204	2.244 ug/L		94
40) 4-Methyl-2-pentanone	7.83	43	14503	4.568 ug/L		98
42) Toluene	8.00	91	19957	2.478 ug/L		98
44) trans-1,3-Dichloropropene	8.24	75	6623m	2.361 ug/L		
45) 1,1,2-Trichloroethane	8.43	97	4145	2.261 ug/L		96
46) Tetrachloroethene	8.58	164	3198	2.473 ug/L		91
48) 2-Hexanone	8.72	43	12863	4.966 ug/L		99
49) Dibromochloromethane	8.84	129	3795	2.116 ug/L		98
50) 1,2-Dibromoethane	8.95	107	4424	2.297 ug/L	#	93
51) Chlorobenzene	9.47	112	11672	2.407 ug/L		96
52) Ethylbenzene	9.60	91	20329	2.297 ug/L		99
53) m,p-Xylene	9.72	106	7369	2.257 ug/L		96
54) o-xylene	10.13	106	7037	2.176 ug/L		96
55) Styrene	10.14	104	11157	2.070 ug/L		97
57) 1,1,2,2-Tetrachloroethane	10.81	83	7758	2.348 ug/L		95
59) Bromoform	10.32	173	2452	2.122 ug/L	#	92
60) 1,2,3-Trichloropropane	10.85	75	6484	2.636 ug/L		96
61) Isopropylbenzene	10.51	105	18009	2.313 ug/L		96
62) 1,3,5-Trimethylbenzene	11.11	105	15020	2.250 ug/L		98
63) 1,2,4-Trimethylbenzene	11.49	105	14795	2.219 ug/L		99
64) 1,3-Dichlorobenzene	11.77	146	7720	2.357 ug/L		95
65) 1,4-Dichlorobenzene	11.86	146	7971	2.418 ug/L		93
67) 1,2-Dichlorobenzene	12.24	146	8154	2.459 ug/L		96
68) 1,2-Dibromo-3-chloropropan	13.01	75	1425	2.027 ug/L		89
69) 1,3,5-Trichlorobenzene	13.24	180	4636	2.042 ug/L		97
70) 1,2,4-trichlorobenzene	13.86	180	3410	1.801 ug/L		94
71) Naphthalene	14.10	128	10081	1.510 ug/L		98
72) 1,2,3-Trichlorobenzene	14.35	180	3336	1.768 ug/L		99

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

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