Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
Data File : VU039648.D
Acq On : 23 Jul 2020 20:09
Operator : SY/MD
Sample : MDL02
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations APPROVED
sam
7/30/2020 2:57:54 AM

Quant Time: Jul 29 09:21:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 01:59:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	180509	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	174177	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	79814	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	49736	42.32	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.64%			
7) Chloroethane-d5	1.92	69	51006	36.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 72.44%			
11) 1,1-Dichloroethene-d2	2.58	63	84531	33.98	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.96%			
21) 2-Butanone-d5	4.65	46	126290	93.09	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.09%			
24) Chloroform-d	5.08	84	119428	45.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.38%			
26) 1,2-Dichloroethane-d4	5.72	65	87515	46.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.68%			
32) Benzene-d6	5.74	84	230642	47.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.38%			
36) 1,2-Dichloropropane-d6	6.71	67	76671	48.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.68%			
41) Toluene-d8	7.91	98	209102	45.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.90%			
43) trans-1,3-Dichloropropene-	8.19	79	34857	43.54	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.08%			
47) 2-Hexanone-d5	8.64	63	78514	90.75	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 90.75%			
57) 1,1,2,2-Tetrachloroethane-	10.76	84	112768	44.90	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.80%			
64) 1,2-Dichlorobenzene-d4	12.19	152	84005	48.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	2323	1.889	ug/L	94
3) Chloromethane	1.53	50	2498	1.955	ug/L	98
5) Vinyl chloride	1.61	62	2701	2.081	ug/L #	70
6) Bromomethane	1.86	94	2456	2.518	ug/L	91
8) Chloroethane	1.94	64	2377m	2.059	ug/L	
9) Trichlorofluoromethane	2.15	101	4124	1.798	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2701	2.446	ug/L #	79
12) 1,1-Dichloroethene	2.59	96	2760	2.680	ug/L #	1
13) Acetone	2.65	43	3218m	3.564	ug/L	
14) Carbon disulfide	2.81	76	6017	1.826	ug/L	98
15) Methyl Acetate	2.96	43	2946	1.821	ug/L	96
16) Methylene chloride	3.06	84	2624	2.128	ug/L	85
17) trans-1,2-Dichloroethene	3.38	96	1913	1.670	ug/L	96
18) Methyl tert-butyl Ether	3.38	73	6843	1.848	ug/L #	87
19) 1,1-Dichloroethane	3.89	63	4267m	1.908	ug/L	
20) cis-1,2-Dichloroethene	4.69	96	2408	1.839	ug/L	98
22) 2-Butanone	4.73	43	5372	4.222	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	5.00	128	1135	1.725	ug/L		87
25) Chloroform	5.11	83	9697	3.910	ug/L		100
27) 1,2-Dichloroethane	5.81	62	4461	2.169	ug/L	#	91
29) Cyclohexane	5.41	56	3513	1.856	ug/L	#	91
30) 1,1,1-Trichloroethane	5.34	97	3850	1.846	ug/L	#	82
31) Carbon tetrachloride	5.54	117	3093	1.788	ug/L		87
33) Benzene	5.79	78	9697	2.020	ug/L		100
34) Trichloroethene	6.56	95	2530	1.993	ug/L		86
35) Methylcyclohexane	6.78	83	3501	1.783	ug/L	#	85
37) 1,2-Dichloropropane	6.80	63	2517	1.937	ug/L	#	89
38) Bromodichloromethane	7.12	83	3253	1.885	ug/L	#	96
39) cis-1,3-Dichloropropene	7.62	75	3036	1.563	ug/L	#	79
40) 4-Methyl-2-pentanone	7.80	43	8387	3.704	ug/L		97
42) Toluene	7.98	91	9722	1.842	ug/L		97
44) trans-1,3-Dichloropropene	8.22	75	3378	1.776	ug/L		94
45) 1,1,2-Trichloroethane	8.41	97	2299	1.855	ug/L		87
46) Tetrachloroethene	8.56	164	1751	1.823	ug/L		95
48) 2-Hexanone	8.69	43	10177	5.516	ug/L		98
49) Dibromochloromethane	8.82	129	2462	1.759	ug/L		91
50) 1,2-Dibromoethane	8.93	107	2746	1.991	ug/L	#	88
51) Chlorobenzene	9.45	112	6855	2.035	ug/L		90
52) Ethylbenzene	9.57	91	10433	1.788	ug/L		95
53) m,p-Xylene	9.70	106	4021	1.829	ug/L		84
54) o-xylene	10.10	106	3725	1.765	ug/L		96
55) Styrene	10.11	104	5951	1.630	ug/L		91
56) Isopropylbenzene	10.48	105	9906	1.729	ug/L		99
58) 1,1,2,2-Tetrachloroethane	10.78	83	4515	1.999	ug/L	#	89
59) 1,2,3-Trichloropropane	10.83	75	3356	1.780	ug/L		100
61) Bromoform	10.30	173	1355	1.435	ug/L	#	83
62) 1,3-Dichlorobenzene	11.74	146	4818	1.971	ug/L		98
63) 1,4-Dichlorobenzene	11.83	146	4769	1.947	ug/L	#	85
65) 1,2-Dichlorobenzene	12.21	146	5160	2.089	ug/L	#	94
66) 1,2-Dibromo-3-chloropropan	12.98	75	801m	1.621	ug/L		
67) 1,3,5-Trichlorobenzene	13.21	180	2909	1.650	ug/L		92
68) 1,2,4-trichlorobenzene	13.83	180	2846	1.902	ug/L		97
69) Naphthalene	14.08	128	7325	1.632	ug/L	#	96
70) 1,2,3-Trichlorobenzene	14.32	180	2702	1.788	ug/L	#	94

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

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