Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
Data File : VU039651.D
Acq On : 23 Jul 2020 21:15
Operator : SY/MD
Sample : MDL05
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Manual Integrations APPROVED
sam
7/30/2020 2:57:34 AM

Quant Time: Jul 29 15:54:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 03:36:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	192867	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	180843	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	81317	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	52015	41.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 82.86%			
7) Chloroethane-d5	1.92	69	62555	41.57	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.14%			
11) 1,1-Dichloroethene-d2	2.58	63	87729	33.01	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.02%			
21) 2-Butanone-d5	4.65	46	130188	89.81	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 89.81%			
24) Chloroform-d	5.08	84	123205	43.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.26%			
26) 1,2-Dichloroethane-d4	5.72	65	89323	44.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.52%			
32) Benzene-d6	5.75	84	239041	47.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.20%			
36) 1,2-Dichloropropane-d6	6.70	67	77491	47.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 94.12%			
41) Toluene-d8	7.91	98	216724	45.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.74%			
43) trans-1,3-Dichloropropene-	8.19	79	35565	42.79	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.58%			
47) 2-Hexanone-d5	8.64	63	80374	89.48	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.48%			
57) 1,1,2,2-Tetrachloroethane-	10.76	84	116721	44.76	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.52%			
64) 1,2-Dichlorobenzene-d4	12.19	152	87137	49.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.00%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	2721	2.071	ug/L	94
3) Chloromethane	1.53	50	2517	1.844	ug/L	98
5) Vinyl chloride	1.61	62	3183	2.295	ug/L #	71
6) Bromomethane	1.87	94	2361	2.265	ug/L	82
8) Chloroethane	1.94	64	2803	2.272	ug/L	89
9) Trichlorofluoromethane	2.15	101	4454	1.817	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2734	2.317	ug/L #	71
12) 1,1-Dichloroethene	2.59	96	2840	2.581	ug/L #	1
13) Acetone	2.65	43	3793m	3.932	ug/L	
14) Carbon disulfide	2.81	76	6551	1.861	ug/L #	94
15) Methyl Acetate	2.97	43	3481	2.014	ug/L #	80
16) Methylene chloride	3.06	84	2973	2.256	ug/L	85
17) trans-1,2-Dichloroethene	3.37	96	2322	1.897	ug/L	88
18) Methyl tert-butyl Ether	3.38	73	7358	1.860	ug/L	96
19) 1,1-Dichloroethane	3.89	63	4618m	1.933	ug/L	
20) cis-1,2-Dichloroethene	4.69	96	2898	2.071	ug/L	83
22) 2-Butanone	4.73	43	5166m	3.800	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	4.99	128	1442m	2.051	ug/L		
25) Chloroform	5.11	83	10016	3.780	ug/L		94
27) 1,2-Dichloroethane	5.81	62	4620	2.102	ug/L	#	76
29) Cyclohexane	5.40	56	3853	1.961	ug/L		100
30) 1,1,1-Trichloroethane	5.34	97	4345	2.007	ug/L		95
31) Carbon tetrachloride	5.54	117	3544	1.973	ug/L		94
33) Benzene	5.79	78	9979	2.002	ug/L		100
34) Trichloroethene	6.56	95	2962	2.247	ug/L		93
35) Methylcyclohexane	6.78	83	3503	1.719	ug/L	#	83
37) 1,2-Dichloropropane	6.81	63	2570	1.905	ug/L	#	89
38) Bromodichloromethane	7.12	83	3599	2.008	ug/L	#	92
39) cis-1,3-Dichloropropene	7.62	75	4010	1.988	ug/L		95
40) 4-Methyl-2-pentanone	7.80	43	9386	3.993	ug/L		93
42) Toluene	7.98	91	10162	1.854	ug/L		98
44) trans-1,3-Dichloropropene	8.22	75	4026	2.039	ug/L		93
45) 1,1,2-Trichloroethane	8.41	97	2604	2.024	ug/L	#	77
46) Tetrachloroethene	8.56	164	1780	1.785	ug/L	#	67
48) 2-Hexanone	8.69	43	11341	5.921	ug/L		92
49) Dibromochloromethane	8.82	129	2850	1.962	ug/L		91
50) 1,2-Dibromoethane	8.93	107	2856	1.995	ug/L	#	99
51) Chlorobenzene	9.45	112	7091	2.028	ug/L		94
52) Ethylbenzene	9.57	91	11219	1.852	ug/L		96
53) m,p-Xylene	9.69	106	3980	1.743	ug/L		97
54) o-xylene	10.10	106	3972	1.813	ug/L		86
55) Styrene	10.11	104	6163	1.625	ug/L		95
56) Isopropylbenzene	10.49	105	10435	1.754	ug/L		97
58) 1,1,2,2-Tetrachloroethane	10.78	83	4953	2.112	ug/L	#	95
59) 1,2,3-Trichloropropane	10.82	75	4030	2.058	ug/L		99
61) Bromoform	10.29	173	1740	1.809	ug/L	#	90
62) 1,3-Dichlorobenzene	11.74	146	4758	1.910	ug/L		98
63) 1,4-Dichlorobenzene	11.83	146	5229	2.095	ug/L		90
65) 1,2-Dichlorobenzene	12.21	146	5358	2.129	ug/L		94
66) 1,2-Dibromo-3-chloropropan	12.99	75	858m	1.704	ug/L		
67) 1,3,5-Trichlorobenzene	13.21	180	3379m	1.881	ug/L		
68) 1,2,4-trichlorobenzene	13.83	180	2765	1.814	ug/L		91
69) Naphthalene	14.08	128	7529	1.646	ug/L	#	96
70) 1,2,3-Trichlorobenzene	14.32	180	2773	1.801	ug/L		98

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

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