Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
Data File : VU039643.D
Acq On : 23 Jul 2020 18:19
Operator : SY/MD
Sample : MDL04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 03:12:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 02:44:03 2020
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : MDL04

Manual Integrations APPROVED
sam
7/30/2020 2:58:27 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	197437	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	187981	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	87636	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	54575	42.46	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.92%			
7) Chloroethane-d5	1.92	69	62519	40.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.18%			
11) 1,1-Dichloroethene-d2	2.58	63	88872	32.66	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 65.32%			
21) 2-Butanone-d5	4.65	46	135134	91.07	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.07%			
24) Chloroform-d	5.08	84	120608	41.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 83.46%			
26) 1,2-Dichloroethane-d4	5.72	65	90834	43.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.94%			
32) Benzene-d6	5.74	84	236004	45.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.44%			
36) 1,2-Dichloropropane-d6	6.71	67	77897	45.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.02%			
41) Toluene-d8	7.91	98	218908	44.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.14%			
43) trans-1,3-Dichloropropene-	8.19	79	36341	42.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 84.12%			
47) 2-Hexanone-d5	8.64	63	85898	92.00	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 92.00%			
57) 1,1,2,2-Tetrachloroethane-	10.76	84	117551	43.37	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 86.74%			
64) 1,2-Dichlorobenzene-d4	12.19	152	86432	45.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.20%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	2521	1.875	ug/L	97
3) Chloromethane	1.53	50	3118	2.231	ug/L	86
5) Vinyl chloride	1.61	62	3061	2.156	ug/L	86
6) Bromomethane	1.87	94	2547	2.387	ug/L	99
8) Chloroethane	1.94	64	2620	2.075	ug/L	100
9) Trichlorofluoromethane	2.15	101	4430	1.766	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2842	2.353	ug/L #	75
12) 1,1-Dichloroethene	2.59	96	2930	2.601	ug/L #	1
13) Acetone	2.66	43	3741	3.788	ug/L	100
14) Carbon disulfide	2.81	76	6941	1.926	ug/L #	94
15) Methyl Acetate	2.97	43	3599m	2.034	ug/L	
16) Methylene chloride	3.06	84	2676	1.984	ug/L	89
17) trans-1,2-Dichloroethene	3.38	96	2411	1.924	ug/L	89
18) Methyl tert-butyl Ether	3.38	73	7466	1.843	ug/L #	76
19) 1,1-Dichloroethane	3.90	63	4254	1.739	ug/L #	85
20) cis-1,2-Dichloroethene	4.69	96	2470	1.724	ug/L	77
22) 2-Butanone	4.73	43	6053	4.349	ug/L #	72

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	5.00	128	1553m	2.157 ug/L		
25) Chloroform	5.11	83	9890	3.646 ug/L		83
27) 1,2-Dichloroethane	5.81	62	4552	2.024 ug/L	#	92
29) Cyclohexane	5.40	56	4141	2.028 ug/L		96
30) 1,1,1-Trichloroethane	5.34	97	4362	1.938 ug/L		97
31) Carbon tetrachloride	5.54	117	3369	1.805 ug/L		92
33) Benzene	5.79	78	10456	2.018 ug/L		100
34) Trichloroethene	6.56	95	2522	1.840 ug/L		85
35) Methylcyclohexane	6.77	83	3753	1.771 ug/L	#	67
37) 1,2-Dichloropropane	6.80	63	2902	2.069 ug/L	#	96
38) Bromodichloromethane	7.12	83	3328	1.787 ug/L		99
39) cis-1,3-Dichloropropene	7.62	75	3746	1.787 ug/L		95
40) 4-Methyl-2-pentanone	7.80	43	9460	3.871 ug/L	#	96
42) Toluene	7.98	91	10489	1.841 ug/L		91
44) trans-1,3-Dichloropropene	8.22	75	3833	1.867 ug/L		94
45) 1,1,2-Trichloroethane	8.41	97	2684	2.007 ug/L		93
46) Tetrachloroethene	8.56	164	1519m	1.465 ug/L		
48) 2-Hexanone	8.69	43	10940	5.494 ug/L		92
49) Dibromochloromethane	8.82	129	2655	1.758 ug/L		86
50) 1,2-Dibromoethane	8.93	107	2891	1.943 ug/L	#	98
51) Chlorobenzene	9.45	112	6683	1.838 ug/L		93
52) Ethylbenzene	9.57	91	11051	1.755 ug/L		100
53) m,p-Xylene	9.70	106	4031	1.698 ug/L		96
54) o-xylene	10.10	106	4266	1.873 ug/L		88
55) Styrene	10.11	104	6053	1.536 ug/L		93
56) Isopropylbenzene	10.48	105	10420	1.685 ug/L		95
58) 1,1,2,2-Tetrachloroethane	10.78	83	5377	2.205 ug/L	#	88
59) 1,2,3-Trichloropropane	10.83	75	3893m	1.913 ug/L		
61) Bromoform	10.29	173	1573	1.517 ug/L	#	80
62) 1,3-Dichlorobenzene	11.74	146	4867	1.813 ug/L		93
63) 1,4-Dichlorobenzene	11.83	146	5148	1.914 ug/L		92
65) 1,2-Dichlorobenzene	12.20	146	5756	2.122 ug/L	#	89
66) 1,2-Dibromo-3-chloropropan	12.99	75	924m	1.703 ug/L		
67) 1,3,5-Trichlorobenzene	13.21	180	3273	1.691 ug/L		98
68) 1,2,4-trichlorobenzene	13.83	180	2742	1.669 ug/L		96
69) Naphthalene	14.08	128	8244	1.673 ug/L	#	87
70) 1,2,3-Trichlorobenzene	14.32	180	2931	1.766 ug/L		99

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

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