Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
Data File : VU039646.D
Acq On : 23 Jul 2020 19:25
Operator : SY/MD
Sample : MDL07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 24 03:25:39 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

Instrument : MSVOA_U
ClientSampleId : MDL07

Manual Integrations APPROVED
sam
7/30/2020 2:58:09 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	181092	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	176777	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	81098	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	54591	46.30	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.60%			
7) Chloroethane-d5	1.92	69	62053	43.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.84%			
11) 1,1-Dichloroethene-d2	2.58	63	88239	35.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.72%			
21) 2-Butanone-d5	4.65	46	131543	96.65	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.65%			
24) Chloroform-d	5.08	84	123857	46.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.44%			
26) 1,2-Dichloroethane-d4	5.72	65	89665	47.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.64%			
32) Benzene-d6	5.74	84	239479	48.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.58%			
36) 1,2-Dichloropropane-d6	6.71	67	78485	48.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.52%			
41) Toluene-d8	7.91	98	219411	47.50	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.00%			
43) trans-1,3-Dichloropropene-	8.19	79	35320	43.47	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.94%			
47) 2-Hexanone-d5	8.64	63	83709	95.33	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.33%			
57) 1,1,2,2-Tetrachloroethane-	10.76	84	117461	46.08	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.16%			
64) 1,2-Dichlorobenzene-d4	12.19	152	87555	49.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	2730	2.213	ug/L	89
3) Chloromethane	1.53	50	3149	2.457	ug/L	97
5) Vinyl chloride	1.61	62	3349	2.572	ug/L #	51
6) Bromomethane	1.87	94	3064	3.131	ug/L	96
8) Chloroethane	1.94	64	3402	2.937	ug/L	95
9) Trichlorofluoromethane	2.15	101	5853	2.543	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2905m	2.622	ug/L	
12) 1,1-Dichloroethene	2.59	96	2941	2.847	ug/L #	1
13) Acetone	2.65	43	4504	4.973	ug/L	83
14) Carbon disulfide	2.81	76	7912	2.394	ug/L	100
15) Methyl Acetate	2.97	43	3978	2.452	ug/L #	79
16) Methylene chloride	3.06	84	3488	2.819	ug/L #	79
17) trans-1,2-Dichloroethene	3.38	96	2982	2.594	ug/L	96
18) Methyl tert-butyl Ether	3.38	73	8858	2.385	ug/L #	86
19) 1,1-Dichloroethane	3.89	63	5771	2.573	ug/L	92
20) cis-1,2-Dichloroethene	4.69	96	3103	2.362	ug/L	85
22) 2-Butanone	4.73	43	5452	4.271	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	4.99	128	1644	2.490	ug/L		86
25) Chloroform	5.11	83	10797	4.339	ug/L		89
27) 1,2-Dichloroethane	5.81	62	5508	2.670	ug/L		98
29) Cyclohexane	5.41	56	4748	2.472	ug/L		97
30) 1,1,1-Trichloroethane	5.34	97	4584	2.166	ug/L	#	81
31) Carbon tetrachloride	5.55	117	4381	2.496	ug/L		91
33) Benzene	5.79	78	12667	2.600	ug/L		100
34) Trichloroethene	6.56	95	3320	2.576	ug/L		90
35) Methylcyclohexane	6.78	83	4337	2.177	ug/L		97
37) 1,2-Dichloropropane	6.81	63	3348	2.538	ug/L	#	89
38) Bromodichloromethane	7.12	83	4138	2.362	ug/L		97
39) cis-1,3-Dichloropropene	7.62	75	4596	2.331	ug/L		96
40) 4-Methyl-2-pentanone	7.80	43	10856	4.724	ug/L	#	95
42) Toluene	7.98	91	12891	2.406	ug/L		99
44) trans-1,3-Dichloropropene	8.22	75	5098	2.641	ug/L		92
45) 1,1,2-Trichloroethane	8.41	97	3211	2.553	ug/L		95
46) Tetrachloroethene	8.56	164	2430	2.493	ug/L		84
48) 2-Hexanone	8.69	43	12766	6.818	ug/L		97
49) Dibromochloromethane	8.82	129	3242	2.283	ug/L		99
50) 1,2-Dibromoethane	8.93	107	3181	2.273	ug/L	#	88
51) Chlorobenzene	9.45	112	7773	2.274	ug/L		97
52) Ethylbenzene	9.57	91	12610	2.130	ug/L		87
53) m,p-Xylene	9.69	106	4823	2.161	ug/L		94
54) o-xylene	10.10	106	4880	2.278	ug/L		94
55) Styrene	10.11	104	8005	2.160	ug/L		92
56) Isopropylbenzene	10.48	105	11974	2.059	ug/L		97
58) 1,1,2,2-Tetrachloroethane	10.78	83	6037	2.633	ug/L		98
59) 1,2,3-Trichloropropane	10.82	75	4391	2.294	ug/L		97
61) Bromoform	10.29	173	1997	2.082	ug/L	#	76
62) 1,3-Dichlorobenzene	11.74	146	5976	2.406	ug/L		97
63) 1,4-Dichlorobenzene	11.83	146	6099	2.451	ug/L		94
65) 1,2-Dichlorobenzene	12.21	146	6322	2.518	ug/L		94
66) 1,2-Dibromo-3-chloropropan	12.99	75	1023	2.037	ug/L		84
67) 1,3,5-Trichlorobenzene	13.21	180	3763	2.100	ug/L		95
68) 1,2,4-trichlorobenzene	13.83	180	3201	2.105	ug/L		98
69) Naphthalene	14.08	128	8706	1.909	ug/L		97
70) 1,2,3-Trichlorobenzene	14.32	180	3293	2.144	ug/L		93

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

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