Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100620\
Data File : VU040535.D
Acq On : 06 Oct 2020 18:37
Operator : SY/MD
Sample : L4485-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03

Quant Time: Oct 07 08:47:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 07 08:04:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	282497	50.00	ug/L		0.00
28) Chlorobenzene-d5	9.42	117	283733	50.00	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	131439	50.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.60	65	113290	46.70	ug/L		0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 93.40%				
7) Chloroethane-d5	1.92	69	89350	48.34	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.68%				
11) 1,1-Dichloroethene-d2	2.58	63	166423	35.95	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.90%				
21) 2-Butanone-d5	4.64	46	194813	101.18	ug/L		0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.18%				
24) Chloroform-d	5.08	84	201179	48.07	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.14%				
26) 1,2-Dichloroethane-d4	5.72	65	143287	49.16	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.32%				
32) Benzene-d6	5.74	84	390367	48.34	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.68%				
36) 1,2-Dichloropropane-d6	6.70	67	130223	48.12	ug/L		0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.24%				
41) Toluene-d8	7.91	98	347756	47.51	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.02%				
43) trans-1,3-Dichloropropene-	8.19	79	64324	47.48	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.96%				
47) 2-Hexanone-d5	8.64	63	125488	99.46	ug/L		0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 99.46%				
56) 1,1,2,2-Tetrachloroethane-	10.76	84	181728	46.48	ug/L		0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.96%				
66) 1,2-Dichlorobenzene-d4	12.19	152	134043	50.11	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.22%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	6909	2.540	ug/L		97
3) Chloromethane	1.53	50	7292	2.551	ug/L		99
5) Vinyl chloride	1.61	62	6906	2.440	ug/L	#	50
6) Bromomethane	1.86	94	3525	2.373	ug/L		98
8) Chloroethane	1.94	64	3893	2.280	ug/L		95
9) Trichlorofluoromethane	2.15	101	8788	2.421	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6707	3.099	ug/L	#	85
12) 1,1-Dichloroethene	2.59	96	6325	3.161	ug/L	#	1
13) Acetone	2.64	43	7815	4.226	ug/L		98
14) Carbon disulfide	2.81	76	15985	2.327	ug/L		95
15) Methyl Acetate	2.96	43	7683	2.547	ug/L		94
16) Methylene chloride	3.06	84	6270	2.642	ug/L		89
17) trans-1,2-Dichloroethene	3.37	96	5111	2.398	ug/L		86
18) Methyl tert-butyl Ether	3.38	73	15352	2.290	ug/L	#	92
19) 1,1-Dichloroethane	3.88	63	10566m	2.486	ug/L		
20) cis-1,2-Dichloroethene	4.69	96	5248	2.285	ug/L		91
22) 2-Butanone	4.72	43	10058	4.264	ug/L		91

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	5.00	128	2579	2.155 ug/L	86
25) Chloroform	5.11	83	13718	3.165 ug/L	98
27) 1,2-Dichloroethane	5.81	62	9635	2.694 ug/L	97
29) Cyclohexane	5.40	56	8744	2.302 ug/L #	70
30) 1,1,1-Trichloroethane	5.33	97	8880	2.437 ug/L	97
31) Carbon tetrachloride	5.54	117	6733	2.137 ug/L	90
33) Benzene	5.79	78	22085	2.408 ug/L	100
34) Trichloroethene	6.56	95	5620	2.379 ug/L	97
35) Methylcyclohexane	6.78	83	8165	2.273 ug/L #	87
37) 1,2-Dichloropropane	6.80	63	6201	2.462 ug/L #	96
38) Bromodichloromethane	7.11	83	7999	2.445 ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	8345	2.261 ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	17260	4.343 ug/L	98
42) Toluene	7.98	91	22913	2.447 ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	8432	2.269 ug/L	87
45) 1,1,2-Trichloroethane	8.40	97	5519	2.446 ug/L	93
46) Tetrachloroethene	8.56	164	4206	2.464 ug/L	96
48) 2-Hexanone	8.69	43	17231	5.335 ug/L	97
49) Dibromochloromethane	8.82	129	5789	2.350 ug/L	91
50) 1,2-Dibromoethane	8.93	107	5923	2.477 ug/L #	97
51) Chlorobenzene	9.45	112	14408	2.346 ug/L	91
52) Ethylbenzene	9.57	91	23059	2.219 ug/L	96
53) m,p-Xylene	9.70	106	8177	2.137 ug/L	77
54) o-xylene	10.10	106	7433	2.041 ug/L	89
55) Styrene	10.11	104	12332	1.923 ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.78	83	9913	2.485 ug/L #	98
59) Bromoform	10.29	173	3655	2.269 ug/L #	92
60) 1,2,3-Trichloropropane	10.82	75	7765	2.601 ug/L	97
61) Isopropylbenzene	10.48	105	19296	2.186 ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	14549	2.006 ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	13195	1.794 ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	10030	2.330 ug/L	91
65) 1,4-Dichlorobenzene	11.83	146	11019	2.438 ug/L	95
67) 1,2-Dichlorobenzene	12.21	146	11796	2.736 ug/L	98
68) 1,2-Dibromo-3-chloropropan	13.00	75	2112	2.518 ug/L	95
69) 1,3,5-Trichlorobenzene	13.21	180	6823	2.419 ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	4924	2.015 ug/L	89
71) Naphthalene	14.08	128	9729	1.288 ug/L	98
72) 1,2,3-Trichlorobenzene	14.33	180	4578	1.887 ug/L	99

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

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