Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110420\
Data File : VV019234.D
Acq On : 03 Nov 2020 14:24
Operator : SY/MD
Sample : L4485-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

Manual Integrations APPROVED
MMDadoda
11/5/2020 7:00:27 PM

Quant Time: Nov 04 07:30:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 04 07:03:57 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	239601	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	234728	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	119057	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	84952	45.94	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 91.88%			
7) Chloroethane-d5	1.58	69	73385	50.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.30%			
11) 1,1-Dichloroethene-d2	2.12	63	136654	39.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.84%			
21) 2-Butanone-d5	3.91	46	114129	111.94	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 111.94%			
24) Chloroform-d	4.38	84	167873	48.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.02%			
26) 1,2-Dichloroethane-d4	5.06	65	120268	49.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.76%			
32) Benzene-d6	5.07	84	315571	48.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.38%			
36) 1,2-Dichloropropane-d6	6.09	67	95051	49.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.24%			
41) Toluene-d8	7.33	98	285294	47.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.50%			
43) trans-1,3-Dichloropropene-	7.64	79	53636	48.95	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.90%			
47) 2-Hexanone-d5	8.11	63	72889	97.02	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.02%			
56) 1,1,2,2-Tetrachloroethane-	10.23	84	120829	46.86	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 93.72%			
66) 1,2-Dichlorobenzene-d4	11.65	152	122494	51.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	3672	2.502	ug/L	99
3) Chloromethane	1.25	50	3998	2.616	ug/L	99
5) Vinyl chloride	1.32	62	4307	2.707	ug/L #	61
6) Bromomethane	1.53	94	2831	2.648	ug/L	91
8) Chloroethane	1.60	64	2981	2.865	ug/L	98
9) Trichlorofluoromethane	1.77	101	6643	2.522	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4292	3.430	ug/L	90
12) 1,1-Dichloroethene	2.13	96	4247	3.283	ug/L #	1
13) Acetone	2.20	43	4965	6.403	ug/L	95
14) Carbon disulfide	2.31	76	9668	2.603	ug/L	96
15) Methyl Acetate	2.46	43	3772	2.511	ug/L	100
16) Methylene chloride	2.52	84	4294	2.793	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	3752	2.674	ug/L	95
18) Methyl tert-butyl Ether	2.79	73	11651	2.362	ug/L	96
19) 1,1-Dichloroethane	3.22	63	6582	2.394	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	4036m	2.603	ug/L	
22) 2-Butanone	4.02	43	3774m	3.834	ug/L	

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	4.28	128	1985m	2.325	ug/L		
25) Chloroform	4.40	83	8720	2.958	ug/L		85
27) 1,2-Dichloroethane	5.16	62	6260	2.498	ug/L	#	85
29) Cyclohexane	4.70	56	4799	2.389	ug/L		96
30) 1,1,1-Trichloroethane	4.64	97	6705	2.463	ug/L		97
31) Carbon tetrachloride	4.86	117	5594	2.380	ug/L		97
33) Benzene	5.13	78	13947	2.391	ug/L		100
34) Trichloroethene	5.95	95	3993	2.519	ug/L		86
35) Methylcyclohexane	6.15	83	4994	2.603	ug/L		95
37) 1,2-Dichloropropane	6.21	63	3859	2.479	ug/L	#	84
38) Bromodichloromethane	6.54	83	4929	2.200	ug/L		97
39) cis-1,3-Dichloropropene	7.05	75	5855m	2.350	ug/L		
40) 4-Methyl-2-pentanone	7.25	43	9070	4.337	ug/L		97
42) Toluene	7.41	91	17096	2.711	ug/L		98
44) trans-1,3-Dichloropropene	7.68	75	6124	2.399	ug/L		89
45) 1,1,2-Trichloroethane	7.87	97	3772	2.451	ug/L		94
46) Tetrachloroethene	8.00	164	3109	2.404	ug/L		96
48) 2-Hexanone	8.17	43	10510	6.647	ug/L	#	82
49) Dibromochloromethane	8.27	129	4372	2.382	ug/L		99
50) 1,2-Dibromoethane	8.38	107	3846	2.411	ug/L	#	84
51) Chlorobenzene	8.90	112	10291	2.440	ug/L		98
52) Ethylbenzene	9.04	91	15420	2.217	ug/L		94
53) m,p-Xylene	9.16	106	5990	2.300	ug/L		96
54) o-Xylene	9.57	106	5540	2.158	ug/L		97
55) Styrene	9.59	104	9340	2.044	ug/L		94
57) 1,1,2,2-Tetrachloroethane	10.26	83	5847	2.512	ug/L	#	98
59) Bromoform	9.75	173	2820	2.134	ug/L	#	91
60) Isopropylbenzene	9.95	105	14304	2.292	ug/L		99
61) 1,2,3-Trichloropropane	10.29	75	4572	2.472	ug/L		98
62) 1,3,5-Trimethylbenzene	10.56	105	11202	2.155	ug/L		97
63) 1,2,4-Trimethylbenzene	10.94	105	10358	2.037	ug/L		94
64) 1,3-Dichlorobenzene	11.21	146	8221	2.519	ug/L		90
65) 1,4-Dichlorobenzene	11.29	146	8587	2.543	ug/L		89
67) 1,2-Dichlorobenzene	11.67	146	8653	2.591	ug/L		98
68) 1,2-Dibromo-3-chloropropan	12.45	75	1411	2.615	ug/L	#	85
69) 1,3,5-Trichlorobenzene	12.67	180	5547	2.368	ug/L		97
70) 1,2,4-trichlorobenzene	13.29	180	4821	2.187	ug/L		99
71) Naphthalene	13.53	128	10525	1.693	ug/L		97
72) 1,2,3-Trichlorobenzene	13.77	180	4496	2.058	ug/L		99

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

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