Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110920\
Data File : VV019306.D
Acq On : 09 Nov 2020 16:48
Operator : SY/MD
Sample : L4485-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-04

Quant Time: Nov 10 13:09:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 10 06:58:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	257191	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	253957	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	126061	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	73808	37.19	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 74.38%			
7) Chloroethane-d5	1.58	69	69531	44.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.42%			
11) 1,1-Dichloroethene-d2	2.12	63	123567	33.63	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.26%			
21) 2-Butanone-d5	3.91	46	120779	110.36	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.36%			
24) Chloroform-d	4.37	84	164663	44.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.66%			
26) 1,2-Dichloroethane-d4	5.05	65	117514	45.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.80%			
32) Benzene-d6	5.07	84	302349	43.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.24%			
36) 1,2-Dichloropropane-d6	6.09	67	101096	48.29	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.58%			
41) Toluene-d8	7.33	98	269187	41.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 82.42%			
43) trans-1,3-Dichloropropene-	7.64	79	50718	42.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.56%			
47) 2-Hexanone-d5	8.11	63	72479	89.17	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.17%			
56) 1,1,2,2-Tetrachloroethane-	10.23	84	123809	44.38	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 88.76%			
66) 1,2-Dichlorobenzene-d4	11.65	152	116616	46.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	3724	2.363	ug/L	98
3) Chloromethane	1.25	50	4485	2.734	ug/L	96
5) Vinyl chloride	1.32	62	5118	2.997	ug/L #	75
6) Bromomethane	1.53	94	3094	2.696	ug/L	88
8) Chloroethane	1.60	64	3316	2.969	ug/L	89
9) Trichlorofluoromethane	1.77	101	7957	2.814	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5387	4.010	ug/L #	81
12) 1,1-Dichloroethene	2.13	96	4874	3.510	ug/L #	1
13) Acetone	2.20	43	4575	5.497	ug/L	99
14) Carbon disulfide	2.31	76	10358	2.598	ug/L	99
15) Methyl Acetate	2.46	43	5021	3.113	ug/L #	83
16) Methylene chloride	2.52	84	5017	3.040	ug/L	88
17) trans-1,2-Dichloroethene	2.78	96	3820	2.536	ug/L	88
18) Methyl tert-butyl Ether	2.78	73	12991	2.454	ug/L	99
19) 1,1-Dichloroethane	3.21	63	7930	2.687	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	4254	2.556	ug/L	85
22) 2-Butanone	4.02	43	5974m	5.655	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	2332	2.544 ug/L		93
25) Chloroform	4.40	83	10088	3.188 ug/L		98
27) 1,2-Dichloroethane	5.16	62	7001	2.603 ug/L		95
29) Cyclohexane	4.70	56	5738	2.640 ug/L	#	54
30) 1,1,1-Trichloroethane	4.64	97	7071	2.401 ug/L		97
31) Carbon tetrachloride	4.85	117	6197	2.437 ug/L		99
33) Benzene	5.13	78	15803	2.504 ug/L		100
34) Trichloroethene	5.94	95	5178	3.019 ug/L		92
35) Methylcyclohexane	6.15	83	5622	2.708 ug/L		96
37) 1,2-Dichloropropane	6.20	63	4305	2.556 ug/L	#	94
38) Bromodichloromethane	6.53	83	6181	2.550 ug/L		99
39) cis-1,3-Dichloropropene	7.05	75	6714m	2.491 ug/L		
40) 4-Methyl-2-pentanone	7.25	43	10463	4.624 ug/L		98
42) Toluene	7.41	91	19488	2.857 ug/L		98
44) trans-1,3-Dichloropropene	7.68	75	6832	2.474 ug/L		97
45) 1,1,2-Trichloroethane	7.86	97	4168	2.504 ug/L		97
46) Tetrachloroethene	8.00	164	3524	2.518 ug/L		96
48) 2-Hexanone	8.16	43	12901m	7.541 ug/L		
49) Dibromochloromethane	8.27	129	4797	2.416 ug/L		100
50) 1,2-Dibromoethane	8.38	107	4295	2.489 ug/L	#	99
51) Chlorobenzene	8.90	112	11791	2.584 ug/L		99
52) Ethylbenzene	9.04	91	17742	2.357 ug/L		94
53) m,p-Xylene	9.16	106	6399	2.271 ug/L		88
54) o-Xylene	9.57	106	6299	2.268 ug/L		81
55) Styrene	9.59	104	9130	1.847 ug/L		99
57) 1,1,2,2-Tetrachloroethane	10.26	83	6772	2.689 ug/L	#	93
59) Bromoform	9.75	173	3338	2.386 ug/L	#	96
60) Isopropylbenzene	9.95	105	15602	2.361 ug/L		98
61) 1,2,3-Trichloropropane	10.29	75	5432	2.774 ug/L		98
62) 1,3,5-Trimethylbenzene	10.56	105	12226	2.222 ug/L		98
63) 1,2,4-Trimethylbenzene	10.94	105	11332	2.105 ug/L		98
64) 1,3-Dichlorobenzene	11.20	146	8905	2.577 ug/L		95
65) 1,4-Dichlorobenzene	11.29	146	10355	2.896 ug/L		97
67) 1,2-Dichlorobenzene	11.66	146	9835	2.782 ug/L		96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1239	2.169 ug/L		94
69) 1,3,5-Trichlorobenzene	12.67	180	6364	2.566 ug/L		97
70) 1,2,4-trichlorobenzene	13.29	180	4736	2.029 ug/L		92
71) Naphthalene	13.53	128	10765	1.635 ug/L	#	97
72) 1,2,3-Trichlorobenzene	13.77	180	4788	2.069 ug/L		95

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

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