Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102119\
Data File : VX013159.D
Acq On : 21 Oct 2019 18:04
Operator : JC/SP
Sample : K5111-08 5PPB LOQ
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : LOQ-WATER-02-QT4-2019

Manual Integrations APPROVED
MMDadoda
10/22/2019 12:32:13 PM

Quant Time: Oct 22 02:19:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.00	128	26362	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	152993	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	135083	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.05	65	62206	29.98	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.93%				
60) 4-Bromofluorobenzene	11.14	95	69336	29.48	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 98.27%				
63) Toluene-d8	8.71	98	185434	30.86	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 102.87%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.19	85	8703	4.598	ug/l		96
3) Chloromethane	1.32	50	8518	5.162	ug/l		98
4) Vinyl Chloride	1.40	62	8124	4.762	ug/l		93
5) Bromomethane	1.63	94	5184	5.631	ug/l		91
6) Chloroethane	1.72	64	5318	4.885	ug/l		99
7) Trichlorofluoromethane	1.92	101	12976	4.733	ug/l		94
8) Diethyl Ether	2.18	74	4558	4.871	ug/l		99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8252	4.928	ug/l		93
10) 1,1-Dichloroethene	2.36	96	7763	4.800	ug/l		88
11) Methyl Iodide	2.50	142	7124	3.420	ug/l		91
12) Methyl Acetate	2.76	43	11244m	5.384	ug/l		
13) Acrolein	2.28	56	6269	20.166	ug/l		98
14) Acrylonitrile	3.13	53	22617	25.896	ug/l		100
15) Acetone	2.44	58	7062	24.543	ug/l		85
16) Carbon Disulfide	2.56	76	19991	4.629	ug/l		98
17) Allyl chloride	2.72	41	12412	4.825	ug/l		96
18) Methylene Chloride	2.85	84	9641	5.149	ug/l		97
19) trans-1,2-Dichloroethene	3.16	96	8484	4.944	ug/l		97
20) Diisopropyl ether	3.85	45	24910	5.007	ug/l		97
21) 1,1-Dichloroethane	3.69	63	15185	5.027	ug/l	#	96
22) cis-1,2-Dichloroethene	4.59	96	9971	5.095	ug/l		98
23) tert-Butyl Alcohol	3.03	59	14064	30.565	ug/l	#	100
24) Methyl tert-Butyl Ether	3.19	73	27606	4.950	ug/l		95
25) Chloroform	5.20	83	15734	4.956	ug/l		93
26) Cyclohexane	5.58	56	12900	4.867	ug/l	#	99
29) 1,1-Dichloropropene	5.79	75	10844	4.563	ug/l	#	84
30) 2-Butanone	4.66	43	32796	26.306	ug/l		96
31) 2,2-Dichloropropane	4.58	77	12816	4.664	ug/l		95
32) 1,1,1-Trichloroethane	5.49	97	13208	4.592	ug/l	#	87
33) Carbon Tetrachloride	5.78	117	11179	4.522	ug/l	#	94
34) Benzene	6.14	78	33732	4.930	ug/l		99
35) Methacrylonitrile	5.03	41	6563	5.133	ug/l		90
36) 1,2-Dichloroethane	6.19	62	12262	4.741	ug/l		100
37) Trichloroethene	7.21	130	9468	4.989	ug/l		87
38) Methylcyclohexane	7.45	83	13329	4.598	ug/l		98
39) 1,2-Dichloropropane	7.51	63	8380	4.990	ug/l		97
40) Dibromomethane	7.65	93	6041	5.036	ug/l		94

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Bromodichloromethane	7.89	83	10495	4.339 ug/l		100
42) Vinyl Acetate	3.80	43	104254	24.115 ug/l		98
43) Ethyl Acetate	4.83	43	12360	5.436 ug/l	#	84
44) Isopropyl Acetate	6.44	43	18935	4.955 ug/l		100
45) 1,4-Dioxane	7.74	88	5011	103.681 ug/l		98
46) Methyl methacrylate	7.76	41	8577	4.561 ug/l		91
47) n-amyl Acetate	10.90	43	14134	4.387 ug/l		100
48) t-1,3-Dichloropropene	9.04	75	11074	4.174 ug/l		99
49) cis-1,3-Dichloropropene	8.43	75	12626	4.373 ug/l		96
50) 1,1,2-Trichloroethane	9.21	97	8711	4.917 ug/l		94
51) Ethyl methacrylate	9.17	69	12269	4.417 ug/l		98
52) 1,3-Dichloropropane	9.37	76	14219	4.766 ug/l		98
53) Dibromochloromethane	9.57	129	7576	3.965 ug/l		95
54) 1,2-Dibromoethane	9.67	107	9228	4.872 ug/l		99
55) 2-Chloroethyl vinyl ether	8.31	63	28100	24.903 ug/l		99
56) Bromoform	10.85	173	5121	3.777 ug/l		97
58) 4-Methyl-2-Pentanone	8.64	43	58608	25.748 ug/l		99
59) 2-Hexanone	9.49	43	44024	24.679 ug/l		99
61) Tetrachloroethene	9.33	164	9581	5.350 ug/l		94
62) Toluene	8.78	91	38044	5.217 ug/l		97
64) Chlorobenzene	10.14	112	23330	4.990 ug/l		97
65) 1,1,1,2-Tetrachloroethane	10.21	131	7957	4.543 ug/l		98
66) Ethyl Benzene	10.25	91	39882	4.752 ug/l		98
67) m/p-Xylenes	10.36	106	30872	9.678 ug/l		99
68) o-Xylene	10.70	106	14723	4.835 ug/l		97
69) Styrene	10.71	104	24229	4.624 ug/l		98
70) Isopropylbenzene	11.01	105	40095	4.799 ug/l		99
71) 1,1,2,2-Tetrachloroethane	11.26	83	12532	4.895 ug/l		98
72) 1,2,3-Trichloropropane	11.29	75	12089m	5.436 ug/l		
73) Bromobenzene	11.25	156	9182	4.579 ug/l		96
74) n-propylbenzene	11.35	91	42097	4.590 ug/l		98
75) 2-Chlorotoluene	11.42	91	27343	4.765 ug/l		100
76) 1,3,5-Trimethylbenzene	11.50	105	32531	4.638 ug/l		100
77) t-1,4-Dichloro-2-butene	11.07	75	3226	3.736 ug/l		93
78) 4-Chlorotoluene	11.51	91	31090	4.741 ug/l		99
79) tert-butylbenzene	11.76	119	31245	4.626 ug/l		100
80) 1,2,4-Trimethylbenzene	11.81	105	31284	4.465 ug/l		98
81) sec-Butylbenzene	11.94	105	36623	4.552 ug/l		97
82) p-Isopropyltoluene	12.06	119	34098	4.635 ug/l		99
83) 1,3-Dichlorobenzene	12.02	146	17230	4.705 ug/l		98
84) 1,4-Dichlorobenzene	12.09	146	16957	4.682 ug/l		97
85) n-Butylbenzene	12.39	91	26005	4.162 ug/l		100
86) Hexachloroethane	12.59	117	5042	3.927 ug/l		91
87) 1,2-Dichlorobenzene	12.39	146	16920	4.763 ug/l		99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	2676	4.242 ug/l		94
89) 1,2,4-Trichlorobenzene	13.64	180	9742	4.410 ug/l		94
90) Hexachlorobutadiene	13.78	225	4708	4.197 ug/l		95
91) Naphthalene	13.83	128	29597	4.119 ug/l		99
92) 1,2,3-Trichlorobenzene	14.01	180	9889	4.369 ug/l		99

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

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