Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012919\
Data File : VU029305.D
Acq On : 29 Jan 2019 17:33
Operator : JC/SP
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
MMDadoda
1/30/2019 12:49:33 PM

Quant Time: Jan 30 03:52:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jan 30 00:35:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	7726	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	2923	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery = 94.00%			
68) 1,2-Dichlorobenzene-d4	11.86	152	3051	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	6953m	1.784	ug/l	
3) Chloromethane	1.32	50	5807	1.697	ug/l	95
4) Vinyl Chloride	1.39	62	5785	1.740	ug/l	94
5) Bromomethane	1.62	94	3690	1.899	ug/l	95
6) Chloroethane	1.69	64	4208	1.821	ug/l	95
7) Trichlorofluoromethane	1.88	101	10862	1.943	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4480	1.891	ug/l	98
9) 1,1-Dichloroethene	2.27	96	4067	1.822	ug/l	88
10) Iodomethane	2.40	142	3302	1.650	ug/l	94
11) Allyl Chloride	2.58	41	9948	1.776	ug/l	100
12) Acrylonitrile	2.93	53	2479	3.582	ug/l	97
13) Acetone	2.31	43	7396	9.402	ug/l	96
14) Carbon Disulfide	2.47	76	14966	1.820	ug/l	100
15) Methylene Chloride	2.69	84	5152	1.767	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	4826	1.918	ug/l	96
17) 1,1-Dichloroethane	3.43	63	9944	1.773	ug/l	99
18) 2-Butanone	4.27	43	8279	9.385	ug/l	97
19) Cyclohexane	4.98	56	6138	1.739	ug/l	95
20) Methylcyclohexane	6.41	83	6774	1.803	ug/l	99
21) 2,2-Dichloropropane	4.21	77	9185	1.898	ug/l	95
22) cis-1,2-Dichloroethene	4.22	96	4875	1.835	ug/l	96
23) Diethyl Ether	2.10	59	3883	1.717	ug/l	94
24) tert-Butyl Alcohol	2.83	59	5330	19.698	ug/l	95
25) Methyl tert-Butyl Ether	2.99	73	14422	1.901	ug/l	97
26) Bromochloromethane	4.54	128	2080	1.873	ug/l	98
27) Chloroform	4.67	83	10559	1.922	ug/l	99
28) 1,1,1-Trichloroethane	4.90	97	9768	1.954	ug/l	95
29) 1,1-Dichloropropene	5.13	75	6844	1.807	ug/l	98
30) Carbon Tetrachloride	5.12	117	8547	1.982	ug/l	97
31) Isopropyl Ether	3.57	45	14669	1.648	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	12896	1.737	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	10924	1.746	ug/l	98
34) Propionitrile	4.33	54	1913	8.693	ug/l #	71
35) Benzene	5.38	78	19103	1.850	ug/l	98
36) 1,2-Dichloroethane	5.40	62	8301	1.926	ug/l #	93
37) Trichloroethene	6.18	130	5009	2.000	ug/l	93
38) 1,2-Dichloropropane	6.43	63	5259	1.841	ug/l	98
39) Methacrylonitrile	4.54	41	1966	1.877	ug/l #	86
40) Methyl acrylate	4.43	55	2483	1.699	ug/l #	73
41) Tetrahydrofuran	4.65	42	1723	3.323	ug/l	93
42) 1-Chlorobutane	5.06	56	10449	1.775	ug/l	99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jan 30 00:35:37 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.56	93	2672	1.844	ug/l		93
44) Bromodichloromethane	6.75	83	7596	1.841	ug/l		96
45) 4-Methyl-2-Pentanone	7.46	43	18108	8.929	ug/l		96
46) t-1,4-Dichloro-2-butene	10.51	75	2783m	3.944	ug/l		
47) Methyl methacrylate	6.62	69	4166	3.384	ug/l		98
48) Ethyl methacrylate	8.02	69	4118	1.753	ug/l		98
49) Toluene	7.63	92	11023	1.850	ug/l		97
50) t-1,3-Dichloropropene	7.88	75	6487	1.837	ug/l		97
51) cis-1,3-Dichloropropene	7.27	75	6919	1.747	ug/l		92
52) 1,1,2-Trichloroethane	8.06	97	3456	1.829	ug/l		97
53) 1,3-Dichloropropane	8.24	76	6502	1.846	ug/l		96
54) 2-Hexanone	8.36	43	12134	8.683	ug/l		98
55) Dibromochloromethane	8.47	129	4717	1.933	ug/l		98
56) 1,2-Dibromoethane	8.58	107	3078	1.807	ug/l		94
58) Tetrachloroethene	8.22	164	4634	1.935	ug/l		97
59) Chlorobenzene	9.12	112	11949	1.883	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.21	131	5008	1.905	ug/l		97
61) Pentachloroethane	11.10	117	3892	1.951	ug/l		99
62) Hexachloroethane	12.14	117	3639	1.800	ug/l		98
63) Ethyl Benzene	9.25	91	19968	1.775	ug/l		99
64) m/p-Xylenes	9.37	106	15225	3.582	ug/l		98
65) o-Xylene	9.78	106	7260	1.790	ug/l		99
66) Styrene	9.79	104	12443	1.768	ug/l		99
67) Bromoform	9.95	173	2854	2.040	ug/l		93
69) Isopropylbenzene	10.16	105	20459	1.839	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.45	83	4371	1.766	ug/l		98
71) 1,2,3-Trichloropropane	10.49	75	3892m	1.956	ug/l		
72) Bromobenzene	10.45	156	5187	1.942	ug/l		97
73) n-propylbenzene	10.58	120	5225	1.791	ug/l		91
74) 2-Chlorotoluene	10.66	126	4857	1.832	ug/l		95
75) 1,3,5-Trimethylbenzene	10.77	105	18087	1.840	ug/l		96
76) 4-Chlorotoluene	10.77	126	5261	1.977	ug/l		97
77) tert-Butylbenzene	11.10	119	17231	1.836	ug/l		98
78) 1,2,4-Trimethylbenzene	11.15	105	18381	1.817	ug/l		99
79) sec-Butylbenzene	11.32	105	22678	1.801	ug/l		99
80) Nitrobenzene	12.87	77	808	8.988	ug/l	#	78
81) p-Isopropyltoluene	11.48	119	19136	1.821	ug/l		99
82) 1,3-Dichlorobenzene	11.41	146	10755	1.923	ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	10985	1.980	ug/l		96
84) n-Butylbenzene	11.89	91	18593	1.818	ug/l		98
85) 1,2-Dichlorobenzene	11.88	146	9888	1.919	ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	925	1.951	ug/l		89
87) 1,2,4-Trichlorobenzene	13.50	180	6397	1.871	ug/l		96
88) Hexachlorobutadiene	13.69	225	4216	1.920	ug/l		94
89) Naphthalene	13.74	128	9678	1.729	ug/l		98
90) 1,2,3-Trichlorobenzene	13.98	180	5918	1.852	ug/l		99

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

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