Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU043018\
Data File : VU023529.D
Acq On : 30 Apr 2018 15:53
Operator : MD/SY
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
apatel
5/3/2018 4:39:08 PM

Quant Time: May 01 04:54:17 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue May 01 04:31:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	55725	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	18834	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	18477	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	38553	2.19	ug/l		97
3) Chloromethane	1.33	50	44235	1.98	ug/l		99
4) Vinyl Chloride	1.40	62	42375	2.09	ug/l		96
5) Bromomethane	1.64	94	22598	1.71	ug/l		99
6) Chloroethane	1.70	64	24584	2.12	ug/l		99
7) Trichlorofluoromethane	1.89	101	49393	2.16	ug/l		97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	29943	2.19	ug/l		99
9) 1,1-Dichloroethene	2.29	96	27509	2.01	ug/l		96
10) Iodomethane	2.41	142	32800	2.14	ug/l		97
11) Allyl Chloride	2.60	41	50188	2.30	ug/l		98
12) Acrylonitrile	2.95	53	12364	3.98	ug/l		98
13) Acetone	2.35	43	24448	9.90	ug/l		96
14) Carbon Disulfide	2.48	76	90108	2.10	ug/l		100
15) Methylene Chloride	2.71	84	30135	1.82	ug/l		99
16) trans-1,2-Dichloroethene	2.99	96	29896	2.02	ug/l		94
17) 1,1-Dichloroethane	3.45	63	58847	2.13	ug/l		99
18) 2-Butanone	4.31	43	38664	10.24	ug/l		99
19) Cyclohexane	4.99	56	50665	2.54	ug/l		99
20) Methylcyclohexane	6.41	83	48464	2.10	ug/l		98
21) 2,2-Dichloropropane	4.23	77	46121	2.28	ug/l		100
22) cis-1,2-Dichloroethene	4.23	96	32620	1.98	ug/l		99
23) Diethyl Ether	2.11	59	23053	2.06	ug/l		99
24) tert-Butyl Alcohol	2.90	59	16714m	15.37	ug/l		
25) Methyl tert-Butyl Ether	3.01	73	69876	2.02	ug/l		99
26) Bromochloromethane	4.55	128	12845	1.78	ug/l		99
27) Chloroform	4.68	83	54175	1.97	ug/l		99
28) 1,1,1-Trichloroethane	4.91	97	45868	2.16	ug/l		99
29) 1,1-Dichloropropene	5.13	75	43728	2.09	ug/l		99
30) Carbon Tetrachloride	5.13	117	38265	2.15	ug/l		98
31) Isopropyl Ether	3.58	45	99488	2.36	ug/l		97
32) Ethyl-t-butyl ether	4.09	59	83471	2.19	ug/l		99
33) Tert-Amyl methyl ether	5.59	73	69242	2.10	ug/l		98
34) Propionitrile	4.38	54	11373	9.95	ug/l	#	94
35) Benzene	5.39	78	131446	2.08	ug/l		100
36) 1,2-Dichloroethane	5.41	62	36485	2.18	ug/l		100
37) Trichloroethene	6.18	130	34686	2.06	ug/l		97
38) 1,2-Dichloropropane	6.44	63	37043	2.30	ug/l		97
39) Methacrylonitrile	4.57	41	11333	2.39	ug/l	#	94
40) Methyl acrylate	4.44	55	14947	2.09	ug/l	#	97
41) Tetrahydrofuran	4.68	42	11441	4.33	ug/l		97
42) 1-Chlorobutane	5.07	56	64367	2.29	ug/l		95

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Quant Time: May 01 04:54:17 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue May 01 04:31:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.56	93	15406	2.02	ug/l		99
44) Bromodichloromethane	6.76	83	38676	2.17	ug/l		99
45) 4-Methyl-2-Pentanone	7.48	43	90322	10.30	ug/l		99
46) t-1,4-Dichloro-2-butene	10.52	75	9897m	3.62	ug/l		
47) Methyl methacrylate	6.64	69	27740	3.84	ug/l		98
48) Ethyl methacrylate	8.03	69	22900	1.78	ug/l		97
49) Toluene	7.64	92	74931	2.03	ug/l		96
50) t-1,3-Dichloropropene	7.89	75	32264	2.11	ug/l		94
51) cis-1,3-Dichloropropene	7.27	75	41634	2.11	ug/l		98
52) 1,1,2-Trichloroethane	8.07	97	22127	2.00	ug/l		99
53) 1,3-Dichloropropane	8.25	76	40484	2.12	ug/l		98
54) 2-Hexanone	8.38	43	61526	10.29	ug/l		98
55) Dibromochloromethane	8.48	129	24035	2.11	ug/l		100
56) 1,2-Dibromoethane	8.59	107	18822	1.93	ug/l		99
58) Tetrachloroethene	8.23	164	31228	2.08	ug/l		98
59) Chlorobenzene	9.12	112	80666	1.99	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.21	131	27221	1.99	ug/l		98
61) Pentachloroethane	11.10	117	19920	2.01	ug/l		94
62) Hexachloroethane	12.15	117	18429	2.07	ug/l		96
63) Ethyl Benzene	9.25	91	132818	1.98	ug/l		100
64) m/p-Xylenes	9.38	106	105189	4.06	ug/l		98
65) o-Xylene	9.78	106	50868	1.99	ug/l		99
66) Styrene	9.80	104	82702	1.96	ug/l		98
67) Bromoform	9.96	173	12494	2.01	ug/l		100
69) Isopropylbenzene	10.17	105	130134	2.04	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.46	83	25309	1.90	ug/l		99
71) 1,2,3-Trichloropropane	10.50	75	19598m	2.00	ug/l		
72) Bromobenzene	10.46	156	32756	1.91	ug/l		100
73) n-propylbenzene	10.59	120	35721	2.00	ug/l		98
74) 2-Chlorotoluene	10.66	126	31979	1.97	ug/l		99
75) 1,3,5-Trimethylbenzene	10.77	105	110871	2.03	ug/l		99
76) 4-Chlorotoluene	10.78	126	32847	1.96	ug/l		99
77) tert-Butylbenzene	11.10	119	103060	1.99	ug/l		98
78) 1,2,4-Trimethylbenzene	11.15	105	111608	1.99	ug/l		98
79) sec-Butylbenzene	11.33	105	146178	2.09	ug/l		100
80) Nitrobenzene	12.87	77	4422	14.69	ug/l	#	91
81) p-Isopropyltoluene	11.48	119	119472	2.04	ug/l		99
82) 1,3-Dichlorobenzene	11.42	146	65683	1.97	ug/l		100
83) 1,4-Dichlorobenzene	11.51	146	65418	1.95	ug/l		99
84) n-Butylbenzene	11.89	91	115620	2.08	ug/l		99
85) 1,2-Dichlorobenzene	11.88	146	58525	1.88	ug/l		100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3597	2.02	ug/l		100
87) 1,2,4-Trichlorobenzene	13.51	180	40695	1.86	ug/l		99
88) Hexachlorobutadiene	13.70	225	25764	2.14	ug/l		99
89) Naphthalene	13.75	128	59480	1.72	ug/l		100
90) 1,2,3-Trichlorobenzene	13.99	180	38833	1.87	ug/l		100

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

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