Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082018\
Data File : VU026199.D
Acq On : 20 Aug 2018 11:12
Operator : MD/SY
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
8/21/2018 11:34:23 AM

Quant Time: Aug 20 13:21:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U082018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Aug 20 13:08:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.75	96	32211	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	11370	0.95	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	13226	1.00	ug/l		0.00
Spiked Amount 1.000			Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	6207	0.54	ug/l		94
3) Chloromethane	1.33	50	5730	0.53	ug/l		98
4) Vinyl Chloride	1.40	62	5485	0.55	ug/l		97
5) Bromomethane	1.63	94	2776	0.57	ug/l		90
6) Chloroethane	1.70	64	3754	0.62	ug/l		94
7) Trichlorofluoromethane	1.89	101	8208	0.56	ug/l		93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4379	0.54	ug/l		96
9) 1,1-Dichloroethene	2.29	96	3882	0.55	ug/l		90
10) Iodomethane	2.41	142	3871	1.35	ug/l		94
11) Allyl Chloride	2.60	41	6261m	0.53	ug/l		
12) Acrylonitrile	2.94	53	1816	1.16	ug/l	#	90
13) Acetone	2.32	43	5888m	4.32	ug/l		
14) Carbon Disulfide	2.48	76	13705	0.56	ug/l		96
15) Methylene Chloride	2.70	84	8037	0.95	ug/l		94
16) trans-1,2-Dichloroethene	2.99	96	4837	0.61	ug/l		80
17) 1,1-Dichloroethane	3.45	63	8085	0.51	ug/l		95
18) 2-Butanone	4.28	43	6214	2.63	ug/l		98
19) Cyclohexane	5.00	56	4971	0.41	ug/l	#	82
20) Methylcyclohexane	6.42	83	5516	0.37	ug/l		95
21) 2,2-Dichloropropane	4.24	77	8204	0.54	ug/l		94
22) cis-1,2-Dichloroethene	4.23	96	5424	0.54	ug/l		85
23) Diethyl Ether	2.10	59	2988	0.56	ug/l		98
24) tert-Butyl Alcohol	2.83	59	3157	5.00	ug/l	#	81
25) Methyl tert-Butyl Ether	3.00	73	9985	0.52	ug/l	#	88
26) Bromochloromethane	4.55	128	2347	0.53	ug/l	#	52
27) Chloroform	4.68	83	9254	0.53	ug/l		89
28) 1,1,1-Trichloroethane	4.92	97	7930	0.51	ug/l		96
29) 1,1-Dichloropropene	5.14	75	5836	0.45	ug/l	#	85
30) Carbon Tetrachloride	5.14	117	7548	0.53	ug/l		98
31) Isopropyl Ether	3.58	45	13193	0.52	ug/l		86
32) Ethyl-t-butyl ether	4.07	59	11376	0.47	ug/l		93
33) Tert-Amyl methyl ether	5.58	73	8701	0.41	ug/l		99
34) Propionitrile	4.34	54	1680	2.56	ug/l	#	71
35) Benzene	5.39	78	18097	0.50	ug/l		100
36) 1,2-Dichloroethane	5.41	62	5837	0.53	ug/l	#	92
37) Trichloroethene	6.19	130	5458	0.52	ug/l		84
38) 1,2-Dichloropropane	6.44	63	4328	0.46	ug/l		92
39) Methacrylonitrile	4.56	41	1301	0.43	ug/l	#	84
40) Methyl acrylate	4.43	55	1891	0.41	ug/l	#	73
41) Tetrahydrofuran	4.65	42	1883	1.05	ug/l	#	85
42) 1-Chlorobutane	5.07	56	7962	0.46	ug/l		90

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.56	93	2457	0.51	ug/l		98
44) Bromodichloromethane	6.76	83	6376	0.52	ug/l		91
45) 4-Methyl-2-Pentanone	7.47	43	11252	2.08	ug/l		96
46) t-1,4-Dichloro-2-butene	10.52	75	2118m	2.35	ug/l		
47) Methyl methacrylate	6.63	69	3258	0.80	ug/l		90
48) Ethyl methacrylate	8.03	69	2798	0.34	ug/l		97
49) Toluene	7.64	92	8928	0.41	ug/l		94
50) t-1,3-Dichloropropene	7.89	75	5100	0.46	ug/l		90
51) cis-1,3-Dichloropropene	7.27	75	5826	0.44	ug/l		91
52) 1,1,2-Trichloroethane	8.07	97	3365	0.52	ug/l		87
53) 1,3-Dichloropropane	8.25	76	5641	0.51	ug/l		97
54) 2-Hexanone	8.37	43	8044	2.10	ug/l		92
55) Dibromochloromethane	8.48	129	4099	0.49	ug/l		96
56) 1,2-Dibromoethane	8.59	107	3292	0.52	ug/l		91
58) Tetrachloroethene	8.23	164	4775	0.50	ug/l		97
59) Chlorobenzene	9.12	112	10818	0.43	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.21	131	4619	0.49	ug/l		97
61) Pentachloroethane	11.10	117	3853	0.54	ug/l		97
62) Hexachloroethane	12.15	117	3758	0.51	ug/l		98
63) Ethyl Benzene	9.25	91	15768	0.38	ug/l		97
64) m/p-Xylenes	9.38	106	11681	0.71	ug/l		95
65) o-Xylene	9.78	106	5788	0.37	ug/l		97
66) Styrene	9.80	104	9322	0.35	ug/l		97
67) Bromoform	9.96	173	2319	0.47	ug/l	#	95
69) Isopropylbenzene	10.17	105	15696	0.37	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.46	83	3986	0.49	ug/l		95
71) 1,2,3-Trichloropropane	10.50	75	2888m	0.45	ug/l		
72) Bromobenzene	10.45	156	4851	0.44	ug/l		94
73) n-propylbenzene	10.59	120	4256	0.36	ug/l		99
74) 2-Chlorotoluene	10.66	126	4026	0.38	ug/l		95
75) 1,3,5-Trimethylbenzene	10.78	105	12586	0.34	ug/l		97
76) 4-Chlorotoluene	10.77	126	3955	0.36	ug/l		94
77) tert-Butylbenzene	11.10	119	13918	0.38	ug/l		90
78) 1,2,4-Trimethylbenzene	11.15	105	13199	0.35	ug/l		97
79) sec-Butylbenzene	11.33	105	17026	0.35	ug/l		98
80) Nitrobenzene	12.87	77	983m	3.94	ug/l		
81) p-Isopropyltoluene	11.48	119	13340	0.33	ug/l		96
82) 1,3-Dichlorobenzene	11.42	146	10163	0.45	ug/l		96
83) 1,4-Dichlorobenzene	11.51	146	9946	0.45	ug/l		97
84) n-Butylbenzene	11.89	91	13901	0.36	ug/l		97
85) 1,2-Dichlorobenzene	11.88	146	9641	0.47	ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	779	0.58	ug/l	#	77
87) 1,2,4-Trichlorobenzene	13.51	180	6525	0.45	ug/l		98
88) Hexachlorobutadiene	13.69	225	3985	0.45	ug/l		98
89) Naphthalene	13.75	128	9751	0.42	ug/l		99
90) 1,2,3-Trichlorobenzene	13.99	180	6152	0.47	ug/l		98

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

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