Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102318\
Data File : VU027746.D
Acq On : 22 Oct 2018 17:32
Operator : MD/SY
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 09:10:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 23 04:01:57 2018
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
sam
10/24/2018 2:18:52 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.75	96	13611	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	5198	0.99	ug/l		0.00
Spiked Amount 1.000			Recovery = 99.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	4671	0.96	ug/l		0.00
Spiked Amount 1.000			Recovery = 96.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	2593	0.452	ug/l		99
3) Chloromethane	1.33	50	3015	0.489	ug/l		96
4) Vinyl Chloride	1.40	62	2813	0.488	ug/l		94
5) Bromomethane	1.63	94	1537	0.556	ug/l		87
6) Chloroethane	1.70	64	1602	0.053	ug/l	#	82
7) Trichlorofluoromethane	1.89	101	3263	0.482	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1765	0.471	ug/l	#	89
9) 1,1-Dichloroethene	2.29	96	1451	0.434	ug/l		81
10) Iodomethane	2.41	142	1468	0.326	ug/l		89
11) Allyl Chloride	2.59	41	3979m	0.507	ug/l		
12) Acrylonitrile	2.96	53	997	0.938	ug/l	#	82
13) Acetone	2.35	43	2687m	2.320	ug/l		
14) Carbon Disulfide	2.48	76	5844	0.482	ug/l	#	95
15) Methylene Chloride	2.70	84	2478	0.607	ug/l		96
16) trans-1,2-Dichloroethene	2.98	96	1648	0.440	ug/l		92
17) 1,1-Dichloroethane	3.45	63	3801	0.486	ug/l	#	94
18) 2-Butanone	4.31	43	3768m	2.618	ug/l		
19) Cyclohexane	5.00	56	3484	0.487	ug/l		91
20) Methylcyclohexane	6.41	83	3270	0.467	ug/l		94
21) 2,2-Dichloropropane	4.23	77	3571	0.515	ug/l	#	67
22) cis-1,2-Dichloroethene	4.23	96	2010	0.472	ug/l		96
23) Diethyl Ether	2.11	59	1493	0.474	ug/l		89
24) tert-Butyl Alcohol	2.90	59	1447m	4.796	ug/l		
25) Methyl tert-Butyl Ether	3.01	73	4837	0.457	ug/l		96
26) Bromochloromethane	4.55	128	794	0.461	ug/l		96
27) Chloroform	4.68	83	3566	0.462	ug/l		91
28) 1,1,1-Trichloroethane	4.92	97	3234	0.485	ug/l		95
29) 1,1-Dichloropropene	5.14	75	2726	0.464	ug/l		97
30) Carbon Tetrachloride	5.13	117	2909	0.490	ug/l		94
31) Isopropyl Ether	3.58	45	6649	0.452	ug/l		90
32) Ethyl-t-butyl ether	4.08	59	5964	0.460	ug/l		98
33) Tert-Amyl methyl ether	5.59	73	4948	0.454	ug/l	#	97
34) Propionitrile	4.37	54	686m	1.775	ug/l		
35) Benzene	5.39	78	7564	0.458	ug/l		99
36) 1,2-Dichloroethane	5.41	62	2523	0.479	ug/l	#	79
37) Trichloroethene	6.19	130	2044	0.503	ug/l		94
38) 1,2-Dichloropropane	6.44	63	2077	0.446	ug/l		100
39) Methacrylonitrile	4.57	41	886	0.465	ug/l	#	66
40) Methyl acrylate	4.44	55	1128	0.437	ug/l	#	76
41) Tetrahydrofuran	4.67	42	1217m	1.190	ug/l		
42) 1-Chlorobutane	5.07	56	4202	0.457	ug/l		95

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Quant Time: Oct 23 09:10:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.57	93	909	0.438 ug/l		97
44) Bromodichloromethane	6.76	83	2657	0.477 ug/l		86
45) 4-Methyl-2-Pentanone	7.47	43	7894	2.248 ug/l		99
46) t-1,4-Dichloro-2-butene	10.52	75	1226m	0.944 ug/l		
47) Methyl methacrylate	6.64	69	1906	0.831 ug/l		92
48) Ethyl methacrylate	8.03	69	2049	0.417 ug/l		80
49) Toluene	7.64	92	4471	0.447 ug/l		98
50) t-1,3-Dichloropropene	7.89	75	2701	0.477 ug/l		92
51) cis-1,3-Dichloropropene	7.27	75	2960	0.441 ug/l		94
52) 1,1,2-Trichloroethane	8.07	97	1227	0.418 ug/l	#	89
53) 1,3-Dichloropropane	8.25	76	2538	0.468 ug/l		94
54) 2-Hexanone	8.37	43	5550	2.145 ug/l		98
55) Dibromochloromethane	8.48	129	1617	0.453 ug/l		89
56) 1,2-Dibromoethane	8.59	107	1281	0.462 ug/l		93
58) Tetrachloroethene	8.23	164	1779	0.483 ug/l		97
59) Chlorobenzene	9.12	112	4788	0.457 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.21	131	1829	0.482 ug/l		91
61) Pentachloroethane	11.10	117	1091	0.371 ug/l		98
62) Hexachloroethane	12.15	117	1317	0.416 ug/l		95
63) Ethyl Benzene	9.25	91	8976	0.464 ug/l		96
64) m/p-Xylenes	9.37	106	6329	0.894 ug/l		94
65) o-Xylene	9.78	106	3314	0.469 ug/l		95
66) Styrene	9.79	104	4984	0.426 ug/l		95
67) Bromoform	9.96	173	913	0.441 ug/l	#	88
69) Isopropylbenzene	10.17	105	8679	0.459 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.46	83	1700	0.446 ug/l	#	92
71) 1,2,3-Trichloropropane	10.50	75	1204m	0.407 ug/l		
72) Bromobenzene	10.46	156	1788	0.423 ug/l		87
73) n-propylbenzene	10.59	120	2170	0.448 ug/l		95
74) 2-Chlorotoluene	10.66	126	1948	0.450 ug/l		92
75) 1,3,5-Trimethylbenzene	10.77	105	7196	0.456 ug/l		97
76) 4-Chlorotoluene	10.77	126	1815	0.435 ug/l		87
77) tert-Butylbenzene	11.10	119	7115	0.455 ug/l		100
78) 1,2,4-Trimethylbenzene	11.15	105	7304	0.449 ug/l		96
79) sec-Butylbenzene	11.32	105	9535	0.476 ug/l		99
81) p-Isopropyltoluene	11.48	119	7498	0.459 ug/l		97
82) 1,3-Dichlorobenzene	11.42	146	3721	0.458 ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	3898	0.486 ug/l		99
84) n-Butylbenzene	11.89	91	6774	0.440 ug/l		98
85) 1,2-Dichlorobenzene	11.88	146	3664	0.473 ug/l		96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	322	0.478 ug/l	#	71
87) 1,2,4-Trichlorobenzene	13.51	180	2292	0.403 ug/l		98
88) Hexachlorobutadiene	13.69	225	1539	0.455 ug/l		96
89) Naphthalene	13.75	128	4653	0.414 ug/l	#	94
90) 1,2,3-Trichlorobenzene	13.99	180	2390	0.455 ug/l		96

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

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