Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102318\
Data File : VU027766.D
Acq On : 23 Oct 2018 16:33
Operator : MD/SY
Sample : J5164-09 0.25ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2018

Quant Time: Oct 26 10:38:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 23 09:12:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.75	96	11393	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	4043	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	3960	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	1108	0.245	ug/l		87
3) Chloromethane	1.33	50	1385	0.286	ug/l		97
4) Vinyl Chloride	1.40	62	1171	0.259	ug/l		96
5) Bromomethane	1.64	94	641	0.270	ug/l		95
6) Chloroethane	1.70	64	870	0.355	ug/l		91
7) Trichlorofluoromethane	1.89	101	1338	0.243	ug/l		97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	725	0.250	ug/l	#	90
9) 1,1-Dichloroethene	2.29	96	659	0.259	ug/l		91
10) Iodomethane	2.41	142	811	0.237	ug/l	#	82
11) Allyl Chloride	2.60	41	1914	0.318	ug/l		91
12) Acrylonitrile	2.94	53	332m	0.429	ug/l		
13) Acetone	2.34	43	1813	2.565	ug/l		93
14) Carbon Disulfide	2.48	76	2458	0.260	ug/l	#	90
15) Methylene Chloride	2.70	84	869	0.271	ug/l		91
16) trans-1,2-Dichloroethene	2.98	96	839	0.297	ug/l	#	79
17) 1,1-Dichloroethane	3.45	63	1562	0.250	ug/l	#	86
18) 2-Butanone	4.31	43	1649m	1.405	ug/l		
19) Cyclohexane	5.00	56	1661	0.297	ug/l	#	84
20) Methylcyclohexane	6.42	83	1405	0.248	ug/l		85
21) 2,2-Dichloropropane	4.22	77	1539	0.279	ug/l	#	63
22) cis-1,2-Dichloroethene	4.23	96	926	0.273	ug/l		51
23) Diethyl Ether	2.11	59	650	0.269	ug/l	#	84
24) tert-Butyl Alcohol	2.89	59	591m	2.293	ug/l		
25) Methyl tert-Butyl Ether	3.01	73	2237	0.276	ug/l	#	46
26) Bromochloromethane	4.56	128	222	0.163	ug/l		56
27) Chloroform	4.68	83	1656	0.272	ug/l		78
28) 1,1,1-Trichloroethane	4.92	97	1247m	0.230	ug/l		
29) 1,1-Dichloropropene	5.13	75	1336	0.283	ug/l	#	80
30) Carbon Tetrachloride	5.13	117	1106	0.229	ug/l		95
31) Isopropyl Ether	3.58	45	3016	0.268	ug/l		77
32) Ethyl-t-butyl ether	4.08	59	2628	0.263	ug/l	#	72
33) Tert-Amyl methyl ether	5.58	73	2228	0.263	ug/l	#	74
35) Benzene	5.39	78	3648	0.276	ug/l		98
36) 1,2-Dichloroethane	5.42	62	1135	0.258	ug/l	#	79
37) Trichloroethene	6.19	130	822	0.252	ug/l		89
38) 1,2-Dichloropropane	6.44	63	886	0.239	ug/l		92
39) Methacrylonitrile	4.57	41	366m	0.237	ug/l		
40) Methyl acrylate	4.45	55	330	0.164	ug/l	#	69
41) Tetrahydrofuran	4.67	42	530	0.621	ug/l	#	40
42) 1-Chlorobutane	5.06	56	2086	0.280	ug/l		92
43) Dibromomethane	6.57	93	341	0.202	ug/l	#	77

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ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2018

Quant Time: Oct 26 10:38:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 23 09:12:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) Bromodichloromethane	6.76	83	1192	0.260 ug/l	#	95
45) 4-Methyl-2-Pentanone	7.47	43	3660	1.338 ug/l	#	85
46) t-1,4-Dichloro-2-butene	10.52	75	472m	0.478 ug/l		
47) Methyl methacrylate	6.64	69	803	0.452 ug/l	#	90
48) Ethyl methacrylate	8.03	69	835	0.226 ug/l		88
49) Toluene	7.64	92	2074	0.265 ug/l		95
50) t-1,3-Dichloropropene	7.89	75	1086	0.238 ug/l		100
51) cis-1,3-Dichloropropene	7.28	75	1319	0.246 ug/l	#	90
52) 1,1,2-Trichloroethane	8.07	97	478	0.210 ug/l	#	86
53) 1,3-Dichloropropane	8.25	76	1075	0.246 ug/l	#	85
54) 2-Hexanone	8.38	43	2517	1.291 ug/l		91
55) Dibromochloromethane	8.48	129	682	0.238 ug/l	#	69
56) 1,2-Dibromoethane	8.59	107	519	0.232 ug/l		91
58) Tetrachloroethene	8.23	164	729	0.237 ug/l	#	74
59) Chlorobenzene	9.12	112	2234	0.266 ug/l		91
60) 1,1,1,2-Tetrachloroethane	9.21	131	788	0.258 ug/l	#	91
61) Pentachloroethane	11.10	117	544	0.239 ug/l		97
62) Hexachloroethane	12.14	117	581	0.232 ug/l	#	76
63) Ethyl Benzene	9.25	91	4179	0.263 ug/l		91
64) m/p-Xylenes	9.38	106	2950	0.520 ug/l		100
65) o-Xylene	9.78	106	1353	0.240 ug/l		87
66) Styrene	9.79	104	2350	0.253 ug/l		98
67) Bromoform	9.96	173	231	0.139 ug/l	#	84
69) Isopropylbenzene	10.17	105	4045	0.263 ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.46	83	743	0.245 ug/l	#	91
71) 1,2,3-Trichloropropane	10.49	75	482	0.205 ug/l	#	70
72) Bromobenzene	10.46	156	813	0.237 ug/l		82
73) n-propylbenzene	10.59	120	984	0.248 ug/l		80
74) 2-Chlorotoluene	10.66	126	851	0.250 ug/l		74
75) 1,3,5-Trimethylbenzene	10.77	105	3302	0.257 ug/l		97
76) 4-Chlorotoluene	10.78	126	818	0.237 ug/l		86
77) tert-Butylbenzene	11.10	119	3441	0.272 ug/l		99
78) 1,2,4-Trimethylbenzene	11.15	105	3451	0.261 ug/l		99
79) sec-Butylbenzene	11.33	105	4577	0.273 ug/l		92
81) p-Isopropyltoluene	11.48	119	3676	0.269 ug/l		92
82) 1,3-Dichlorobenzene	11.42	146	1847	0.272 ug/l		96
83) 1,4-Dichlorobenzene	11.51	146	1920	0.282 ug/l		94
84) n-Butylbenzene	11.89	91	3374	0.254 ug/l		99
85) 1,2-Dichlorobenzene	11.88	146	1690	0.261 ug/l		98
87) 1,2,4-Trichlorobenzene	13.51	180	1226	0.260 ug/l		95
88) Hexachlorobutadiene	13.69	225	725	0.257 ug/l	#	88
89) Naphthalene	13.75	128	1838	0.208 ug/l	#	75
90) 1,2,3-Trichlorobenzene	13.99	180	976	0.218 ug/l	#	83

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

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