Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102318\
Data File : VU027765.D
Acq On : 23 Oct 2018 16:09
Operator : MD/SY
Sample : J5164-07 0.25ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 26 10:40:59 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	11837	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	4326	0.96	ug/l		0.00
Spiked Amount 1.000			Recovery = 96.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	4036	0.95	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	1058	0.225	ug/l		92
3) Chloromethane	1.33	50	1392	0.277	ug/l		98
4) Vinyl Chloride	1.40	62	1237	0.264	ug/l		94
5) Bromomethane	1.63	94	687	0.278	ug/l		95
6) Chloroethane	1.70	64	827	0.325	ug/l		100
7) Trichlorofluoromethane	1.89	101	1549	0.271	ug/l		97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	684	0.227	ug/l	#	84
9) 1,1-Dichloroethene	2.29	96	746	0.283	ug/l		79
10) Iodomethane	2.41	142	734	0.207	ug/l	#	78
11) Allyl Chloride	2.60	41	1914	0.306	ug/l		92
12) Acrylonitrile	2.95	53	351m	0.436	ug/l		
13) Acetone	2.34	43	1444	1.966	ug/l		100
14) Carbon Disulfide	2.48	76	2578	0.262	ug/l	#	93
15) Methylene Chloride	2.70	84	947	0.285	ug/l		91
16) trans-1,2-Dichloroethene	2.98	96	787	0.268	ug/l		97
17) 1,1-Dichloroethane	3.44	63	1602	0.247	ug/l	#	86
18) 2-Butanone	4.30	43	1635	1.341	ug/l		79
19) Cyclohexane	4.99	56	1795	0.309	ug/l	#	73
20) Methylcyclohexane	6.41	83	1566	0.266	ug/l		97
21) 2,2-Dichloropropane	4.23	77	1720	0.300	ug/l	#	71
22) cis-1,2-Dichloroethene	4.23	96	861	0.245	ug/l	#	80
23) Diethyl Ether	2.11	59	553	0.220	ug/l	#	67
24) tert-Butyl Alcohol	2.88	59	782m	2.920	ug/l		
25) Methyl tert-Butyl Ether	3.00	73	2272	0.270	ug/l	#	80
26) Bromochloromethane	4.55	128	231	0.164	ug/l		63
27) Chloroform	4.68	83	1639	0.260	ug/l		91
28) 1,1,1-Trichloroethane	4.91	97	1267m	0.225	ug/l		
29) 1,1-Dichloropropene	5.14	75	1296	0.264	ug/l		92
30) Carbon Tetrachloride	5.13	117	1249	0.249	ug/l		92
31) Isopropyl Ether	3.59	45	3150	0.270	ug/l		76
32) Ethyl-t-butyl ether	4.08	59	2474	0.239	ug/l		94
33) Tert-Amyl methyl ether	5.59	73	2106	0.239	ug/l	#	86
35) Benzene	5.39	78	3733	0.272	ug/l		93
36) 1,2-Dichloroethane	5.41	62	996	0.218	ug/l	#	79
37) Trichloroethene	6.19	130	950	0.281	ug/l		95
38) 1,2-Dichloropropane	6.44	63	940	0.244	ug/l		90
39) Methacrylonitrile	4.57	41	388m	0.242	ug/l		
40) Methyl acrylate	4.45	55	531	0.254	ug/l	#	69
41) Tetrahydrofuran	4.67	42	437	0.493	ug/l	#	40
42) 1-Chlorobutane	5.07	56	2020	0.261	ug/l		97
43) Dibromomethane	6.56	93	404	0.231	ug/l	#	65

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Quant Time: Oct 26 10:40:59 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	1060	0.223 ug/l #	89
45) 4-Methyl-2-Pentanone	7.47	43	3856	1.356 ug/l #	89
46) t-1,4-Dichloro-2-butene	10.52	75	392m	0.382 ug/l	
47) Methyl methacrylate	6.63	69	909	0.492 ug/l #	90
48) Ethyl methacrylate	8.03	69	989	0.258 ug/l	97
49) Toluene	7.64	92	2064	0.254 ug/l	99
50) t-1,3-Dichloropropene	7.89	75	1186	0.250 ug/l	92
51) cis-1,3-Dichloropropene	7.28	75	1447	0.259 ug/l #	88
52) 1,1,2-Trichloroethane	8.07	97	490	0.207 ug/l	91
53) 1,3-Dichloropropane	8.25	76	1114	0.245 ug/l	97
54) 2-Hexanone	8.38	43	2856	1.410 ug/l	88
55) Dibromochloromethane	8.48	129	697	0.234 ug/l	96
56) 1,2-Dibromoethane	8.59	107	505	0.217 ug/l	95
58) Tetrachloroethene	8.23	164	846	0.265 ug/l	92
59) Chlorobenzene	9.12	112	2427	0.278 ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	707	0.223 ug/l #	85
61) Pentachloroethane	11.10	117	606	0.256 ug/l	96
62) Hexachloroethane	12.14	117	531	0.204 ug/l	100
63) Ethyl Benzene	9.25	91	4724	0.286 ug/l	96
64) m/p-Xylenes	9.38	106	2827	0.479 ug/l	91
65) o-Xylene	9.78	106	1432	0.245 ug/l	83
66) Styrene	9.80	104	2480	0.257 ug/l	96
67) Bromoform	9.97	173	335	0.195 ug/l #	78
69) Isopropylbenzene	10.17	105	4039	0.252 ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	788	0.251 ug/l #	89
71) 1,2,3-Trichloropropane	10.50	75	651	0.266 ug/l #	64
72) Bromobenzene	10.46	156	915	0.257 ug/l	94
73) n-propylbenzene	10.59	120	969	0.235 ug/l	76
74) 2-Chlorotoluene	10.67	126	955	0.270 ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	3531	0.264 ug/l	95
76) 4-Chlorotoluene	10.78	126	860	0.240 ug/l	92
77) tert-Butylbenzene	11.10	119	3606	0.275 ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	3666	0.267 ug/l	98
79) sec-Butylbenzene	11.32	105	4543	0.261 ug/l	96
81) p-Isopropyltoluene	11.48	119	3656	0.257 ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	2040	0.289 ug/l	92
83) 1,4-Dichlorobenzene	11.51	146	2058	0.291 ug/l	89
84) n-Butylbenzene	11.89	91	3416	0.247 ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	1812	0.269 ug/l	95
87) 1,2,4-Trichlorobenzene	13.51	180	1398	0.286 ug/l #	91
88) Hexachlorobutadiene	13.69	225	762	0.260 ug/l	97
89) Naphthalene	13.75	128	2197	0.239 ug/l #	80
90) 1,2,3-Trichlorobenzene	13.99	180	1254	0.269 ug/l #	96

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

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