Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102318\
Data File : VU027767.D
Acq On : 23 Oct 2018 16:57
Operator : MD/SY
Sample : J5164-08 1ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2018

Quant Time: Oct 26 10:41:53 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	11574	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	4398	1.00	ug/l		0.00
Spiked Amount 1.000			Recovery = 100.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	4215	1.02	ug/l		0.00
Spiked Amount 1.000			Recovery = 102.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	2986	0.650	ug/l		99
3) Chloromethane	1.33	50	3228	0.657	ug/l		98
4) Vinyl Chloride	1.40	62	2742	0.598	ug/l		95
5) Bromomethane	1.63	94	1650	0.684	ug/l		97
6) Chloroethane	1.70	64	1828	0.735	ug/l		99
7) Trichlorofluoromethane	1.89	101	3573	0.639	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1918	0.652	ug/l		96
9) 1,1-Dichloroethene	2.29	96	1573	0.609	ug/l		83
10) Iodomethane	2.41	142	2094	0.604	ug/l		95
11) Allyl Chloride	2.59	41	4368	0.715	ug/l		94
12) Acrylonitrile	2.94	53	906	1.151	ug/l	#	85
13) Acetone	2.34	43	2911	4.054	ug/l		97
14) Carbon Disulfide	2.48	76	6001	0.624	ug/l		97
15) Methylene Chloride	2.70	84	2061	0.634	ug/l		95
16) trans-1,2-Dichloroethene	2.99	96	1877	0.653	ug/l		97
17) 1,1-Dichloroethane	3.45	63	3923	0.619	ug/l	#	96
18) 2-Butanone	4.29	43	4011	3.364	ug/l		100
19) Cyclohexane	5.00	56	3401	0.598	ug/l		99
20) Methylcyclohexane	6.41	83	3530	0.612	ug/l		96
21) 2,2-Dichloropropane	4.23	77	3672	0.656	ug/l	#	80
22) cis-1,2-Dichloroethene	4.23	96	1997	0.580	ug/l		93
23) Diethyl Ether	2.11	59	1421	0.579	ug/l		90
24) tert-Butyl Alcohol	2.87	59	1743m	6.657	ug/l		
25) Methyl tert-Butyl Ether	3.01	73	5173	0.629	ug/l	#	76
26) Bromochloromethane	4.56	128	795	0.576	ug/l		90
27) Chloroform	4.68	83	3972	0.643	ug/l		97
28) 1,1,1-Trichloroethane	4.92	97	3554	0.647	ug/l		99
29) 1,1-Dichloropropene	5.14	75	3193	0.665	ug/l		93
30) Carbon Tetrachloride	5.14	117	3078	0.627	ug/l		97
31) Isopropyl Ether	3.58	45	7435	0.651	ug/l		99
32) Ethyl-t-butyl ether	4.08	59	6270	0.619	ug/l		99
33) Tert-Amyl methyl ether	5.58	73	5304	0.617	ug/l		99
34) Propionitrile	4.37	54	805	2.832	ug/l	#	1
35) Benzene	5.40	78	8962	0.668	ug/l		94
36) 1,2-Dichloroethane	5.41	62	2680	0.600	ug/l	#	79
37) Trichloroethene	6.19	130	2057	0.622	ug/l		90
38) 1,2-Dichloropropane	6.44	63	2521	0.669	ug/l		98
39) Methacrylonitrile	4.57	41	1041	0.663	ug/l	#	79
40) Methyl acrylate	4.44	55	1164	0.569	ug/l	#	69
41) Tetrahydrofuran	4.67	42	931	1.073	ug/l	#	74
42) 1-Chlorobutane	5.07	56	4730	0.625	ug/l		97

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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
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Dibromomethane	6.56	93	1062	0.620 ug/l #	75
44) Bromodichloromethane	6.76	83	3015	0.648 ug/l	89
45) 4-Methyl-2-Pentanone	7.47	43	8694	3.127 ug/l	96
46) t-1,4-Dichloro-2-butene	10.50	75	1870	1.866 ug/l #	60
47) Methyl methacrylate	6.63	69	2063	1.142 ug/l	86
48) Ethyl methacrylate	8.03	69	2349	0.626 ug/l	93
49) Toluene	7.64	92	4918	0.618 ug/l	97
50) t-1,3-Dichloropropene	7.89	75	2798	0.604 ug/l	99
51) cis-1,3-Dichloropropene	7.28	75	3261	0.597 ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	1539	0.665 ug/l	91
53) 1,3-Dichloropropane	8.24	76	2645	0.595 ug/l	92
54) 2-Hexanone	8.37	43	5914	2.985 ug/l	98
55) Dibromochloromethane	8.48	129	1734	0.596 ug/l	96
56) 1,2-Dibromoethane	8.59	107	1291	0.568 ug/l	99
58) Tetrachloroethene	8.23	164	2043	0.655 ug/l	91
59) Chlorobenzene	9.12	112	5166	0.606 ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	1858	0.599 ug/l	96
61) Pentachloroethane	11.10	117	1191	0.515 ug/l	94
62) Hexachloroethane	12.15	117	1435	0.565 ug/l	98
63) Ethyl Benzene	9.25	91	10423	0.645 ug/l	98
64) m/p-Xylenes	9.38	106	7377	1.280 ug/l	100
65) o-Xylene	9.78	106	3373	0.590 ug/l	87
66) Styrene	9.79	104	6002	0.636 ug/l	99
67) Bromoform	9.96	173	827	0.491 ug/l #	82
69) Isopropylbenzene	10.17	105	9767	0.624 ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	1641	0.534 ug/l #	86
71) 1,2,3-Trichloropropane	10.50	75	1870	0.783 ug/l #	80
72) Bromobenzene	10.45	156	2178	0.625 ug/l	83
73) n-propylbenzene	10.59	120	2715	0.673 ug/l	97
74) 2-Chlorotoluene	10.66	126	2187	0.633 ug/l	91
75) 1,3,5-Trimethylbenzene	10.77	105	8236	0.631 ug/l	99
76) 4-Chlorotoluene	10.77	126	2157	0.616 ug/l	96
77) tert-Butylbenzene	11.10	119	7942	0.618 ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	8514	0.635 ug/l	98
79) sec-Butylbenzene	11.32	105	10836	0.637 ug/l	97
81) p-Isopropyltoluene	11.48	119	8585	0.618 ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	4398	0.637 ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	4312	0.624 ug/l	97
84) n-Butylbenzene	11.89	91	8317	0.616 ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	4410	0.670 ug/l	93
86) 1,2-Dibromo-3-Chloropropan	12.66	75	337	0.590 ug/l #	70
87) 1,2,4-Trichlorobenzene	13.50	180	2958	0.618 ug/l	95
88) Hexachlorobutadiene	13.69	225	1646	0.574 ug/l	92
89) Naphthalene	13.75	128	5448	0.606 ug/l #	94
90) 1,2,3-Trichlorobenzene	13.99	180	2737	0.601 ug/l	98

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

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