Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073020\
Data File : VU039724.D
Acq On : 30 Jul 2020 16:59
Operator : SY/MD
Sample : L3216-07 0.4PPB LOD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2020

Quant Time: Jul 31 07:12:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 31 06:34:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.12	96	21633	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	6992	0.83	ug/l		0.00
Spiked Amount 1.000			Recovery = 83.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	7433	0.90	ug/l		0.00
Spiked Amount 1.000			Recovery = 90.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	2343	0.312	ug/l		96
3) Chloromethane	1.53	50	4406	0.472	ug/l		94
4) Vinyl Chloride	1.61	62	3205	0.372	ug/l	#	88
5) Bromomethane	1.86	94	2074	0.352	ug/l		93
6) Chloroethane	1.94	64	2468	0.413	ug/l	#	85
7) Trichlorofluoromethane	2.15	101	4087	0.359	ug/l	#	83
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2301	0.352	ug/l		91
9) 1,1-Dichloroethene	2.59	96	2149	0.358	ug/l		96
10) Iodomethane	2.73	142	2615	0.431	ug/l		95
11) Allyl Chloride	2.94	41	4801	0.370	ug/l		96
12) Acrylonitrile	3.34	53	1434	0.680	ug/l		92
13) Acetone	2.66	43	4107	2.069	ug/l		96
14) Carbon Disulfide	2.81	76	7683	0.349	ug/l		99
15) Methylene Chloride	3.06	84	10553	1.260	ug/l		96
16) trans-1,2-Dichloroethene	3.37	96	2533	0.371	ug/l		98
17) 1,1-Dichloroethane	3.88	63	5206	0.347	ug/l	#	94
18) 2-Butanone	4.75	43	5503	1.648	ug/l		95
19) Cyclohexane	5.39	56	4752	0.327	ug/l		95
20) Methylcyclohexane	6.77	83	3254	0.302	ug/l		96
21) 2,2-Dichloropropane	4.69	77	4404	0.360	ug/l		96
22) cis-1,2-Dichloroethene	4.69	96	2628	0.357	ug/l		97
23) Diethyl Ether	2.39	59	2990	0.487	ug/l		95
24) tert-Butyl Alcohol	3.25	59	1582m	1.445	ug/l		
25) Methyl tert-Butyl Ether	3.39	73	6656	0.339	ug/l	#	87
26) Bromochloromethane	4.99	128	1244	0.413	ug/l		83
27) Chloroform	5.11	83	5310	0.378	ug/l		98
28) 1,1,1-Trichloroethane	5.33	97	3999	0.352	ug/l		98
29) 1,1-Dichloropropene	5.54	75	4031	0.368	ug/l		98
30) Carbon Tetrachloride	5.53	117	3037	0.327	ug/l		98
31) Isopropyl Ether	4.02	45	9900	0.362	ug/l		92
32) Ethyl-t-butyl ether	4.54	59	7916	0.340	ug/l		95
33) Tert-Amyl methyl ether	5.97	73	5202	0.310	ug/l		95
34) Propionitrile	4.82	54	1342	1.630	ug/l	#	75
35) Benzene	5.79	78	9256	0.342	ug/l		96
36) 1,2-Dichloroethane	5.81	62	3569	0.352	ug/l	#	86
37) Trichloroethene	6.56	130	1979	0.320	ug/l		92
38) 1,2-Dichloropropane	6.80	63	2448	0.328	ug/l	#	88
39) Methacrylonitrile	5.01	41	1754	0.404	ug/l	#	86
40) Methyl acrylate	4.88	55	1970	0.352	ug/l	#	83
41) Tetrahydrofuran	5.09	42	1223m	0.560	ug/l		
42) 1-Chlorobutane	5.48	56	6140	0.358	ug/l		84

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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2020

Quant Time: Jul 31 07:12:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 31 06:34:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.93	93	1117	0.278 ug/l		95
44) Bromodichloromethane	7.12	83	2995	0.325 ug/l	#	87
45) 4-Methyl-2-Pentanone	7.82	43	9384	1.543 ug/l		96
46) t-1,4-Dichloro-2-butene	10.83	75	1086m	0.600 ug/l		
47) Methyl methacrylate	6.98	69	2193	0.586 ug/l	#	94
48) Ethyl methacrylate	8.35	69	1635	0.237 ug/l		81
49) Toluene	7.97	92	4639	0.288 ug/l		93
50) t-1,3-Dichloropropene	8.22	75	2349	0.283 ug/l		98
51) cis-1,3-Dichloropropene	7.62	75	2992	0.307 ug/l		93
52) 1,1,2-Trichloroethane	8.41	97	1793	0.344 ug/l		91
53) 1,3-Dichloropropane	8.58	76	3282	0.328 ug/l		95
54) 2-Hexanone	8.70	43	7057	1.621 ug/l		95
55) Dibromochloromethane	8.82	129	1696	0.303 ug/l		89
56) 1,2-Dibromoethane	8.93	107	1390	0.277 ug/l		88
58) Tetrachloroethene	8.56	164	1848	0.341 ug/l		95
59) Chlorobenzene	9.45	112	5156	0.309 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.54	131	1757	0.313 ug/l		97
61) Pentachloroethane	11.43	117	1323	0.268 ug/l	#	76
62) Hexachloroethane	12.47	117	1161	0.257 ug/l		88
63) Ethyl Benzene	9.57	91	8508	0.285 ug/l		96
64) m/p-Xylenes	9.70	106	6322	0.542 ug/l		99
65) o-Xylene	10.10	106	3137	0.283 ug/l		95
66) Styrene	10.12	104	5379	0.283 ug/l		97
67) Bromoform	10.29	173	628	0.220 ug/l	#	94
69) Isopropylbenzene	10.48	105	7371	0.249 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.78	83	2313	0.308 ug/l	#	94
71) 1,2,3-Trichloropropane	10.83	75	2114m	0.374 ug/l		
72) Bromobenzene	10.78	156	1928	0.287 ug/l		96
73) n-propylbenzene	10.91	120	2067	0.249 ug/l		100
74) 2-Chlorotoluene	10.98	126	1956	0.278 ug/l		94
75) 1,3,5-Trimethylbenzene	11.09	105	6041	0.236 ug/l		98
76) 4-Chlorotoluene	11.10	126	1771	0.243 ug/l		89
77) tert-Butylbenzene	11.42	119	6316	0.257 ug/l		94
78) 1,2,4-Trimethylbenzene	11.47	105	6172	0.235 ug/l		100
79) sec-Butylbenzene	11.64	105	8501	0.243 ug/l		100
81) p-Isopropyltoluene	11.79	119	6349	0.226 ug/l		99
82) 1,3-Dichlorobenzene	11.74	146	3883	0.269 ug/l		97
83) 1,4-Dichlorobenzene	11.83	146	4526	0.311 ug/l		94
84) n-Butylbenzene	12.20	91	6642	0.222 ug/l		97
85) 1,2-Dichlorobenzene	12.21	146	4393	0.315 ug/l		96
86) 1,2-Dibromo-3-Chloropropan	12.99	75	360	0.285 ug/l	#	67
87) 1,2,4-Trichlorobenzene	13.83	180	2739	0.314 ug/l		92
88) Hexachlorobutadiene	14.01	225	1184	0.299 ug/l		88
89) Naphthalene	14.08	128	4407	0.236 ug/l		97
90) 1,2,3-Trichlorobenzene	14.32	180	2161	0.263 ug/l		95

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

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