Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073020\
Data File : VU039720.D
Acq On : 30 Jul 2020 13:26
Operator : SY/MD
Sample : L3216-08 0.5PPB LOQ
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT3-2020

Quant Time: Jul 31 06:42:13 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	6.13	96	19602	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	6624	0.86	ug/l		0.00
Spiked Amount 1.000			Recovery = 86.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	6879	0.92	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	3252	0.477	ug/l		89
3) Chloromethane	1.53	50	4640	0.548	ug/l		98
4) Vinyl Chloride	1.61	62	3588	0.460	ug/l		98
5) Bromomethane	1.87	94	2640	0.495	ug/l		99
6) Chloroethane	1.94	64	2956	0.546	ug/l		99
7) Trichlorofluoromethane	2.15	101	4936	0.479	ug/l		93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2854	0.482	ug/l		92
9) 1,1-Dichloroethene	2.59	96	2340	0.430	ug/l		86
10) Iodomethane	2.74	142	3018	0.549	ug/l		96
11) Allyl Chloride	2.94	41	5627	0.479	ug/l		100
12) Acrylonitrile	3.35	53	1833	0.959	ug/l	#	93
13) Acetone	2.66	43	5461	3.036	ug/l		98
14) Carbon Disulfide	2.81	76	9077	0.454	ug/l	#	90
15) Methylene Chloride	3.06	84	5259	0.693	ug/l		98
16) trans-1,2-Dichloroethene	3.37	96	3049	0.492	ug/l	#	85
17) 1,1-Dichloroethane	3.89	63	6430	0.473	ug/l	#	91
18) 2-Butanone	4.75	43	5278m	1.745	ug/l		
19) Cyclohexane	5.40	56	5545	0.421	ug/l		96
20) Methylcyclohexane	6.77	83	3793	0.389	ug/l		96
21) 2,2-Dichloropropane	4.68	77	5770	0.520	ug/l		96
22) cis-1,2-Dichloroethene	4.68	96	3064	0.459	ug/l		84
23) Diethyl Ether	2.39	59	3056	0.549	ug/l		95
24) tert-Butyl Alcohol	3.23	59	4159m	4.192	ug/l		
25) Methyl tert-Butyl Ether	3.39	73	7870	0.443	ug/l	#	69
26) Bromochloromethane	4.99	128	1223	0.448	ug/l		98
27) Chloroform	5.11	83	6129	0.482	ug/l		93
28) 1,1,1-Trichloroethane	5.33	97	4549	0.442	ug/l		99
29) 1,1-Dichloropropene	5.54	75	4335	0.437	ug/l		100
30) Carbon Tetrachloride	5.53	117	3629	0.431	ug/l		97
31) Isopropyl Ether	4.02	45	11811	0.476	ug/l		93
32) Ethyl-t-butyl ether	4.53	59	9414	0.446	ug/l		98
33) Tert-Amyl methyl ether	5.97	73	6277	0.413	ug/l	#	92
34) Propionitrile	4.82	54	1815	2.432	ug/l	#	87
35) Benzene	5.79	78	12742	0.520	ug/l		96
36) 1,2-Dichloroethane	5.81	62	4847	0.527	ug/l	#	96
37) Trichloroethene	6.55	130	2601	0.464	ug/l		99
38) 1,2-Dichloropropane	6.81	63	2925	0.433	ug/l		93
39) Methacrylonitrile	5.01	41	2091	0.532	ug/l	#	79
40) Methyl acrylate	4.87	55	2305	0.455	ug/l	#	87
41) Tetrahydrofuran	5.10	42	2147	1.085	ug/l	#	79
42) 1-Chlorobutane	5.47	56	6842	0.440	ug/l		94

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ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT3-2020

Quant Time: Jul 31 06:42:13 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	1475	0.405 ug/l	94
44) Bromodichloromethane	7.12	83	3568	0.428 ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	11129	2.020 ug/l	97
46) t-1,4-Dichloro-2-butene	10.83	75	1090m	0.665 ug/l	
47) Methyl methacrylate	6.98	69	2708	0.798 ug/l	95
48) Ethyl methacrylate	8.34	69	2270	0.364 ug/l	95
49) Toluene	7.98	92	5495	0.376 ug/l	96
50) t-1,3-Dichloropropene	8.22	75	2819	0.375 ug/l #	86
51) cis-1,3-Dichloropropene	7.62	75	3279	0.371 ug/l #	86
52) 1,1,2-Trichloroethane	8.41	97	2029	0.429 ug/l	90
53) 1,3-Dichloropropane	8.58	76	3727	0.411 ug/l	97
54) 2-Hexanone	8.70	43	7493	1.899 ug/l	97
55) Dibromochloromethane	8.82	129	1765	0.348 ug/l	91
56) 1,2-Dibromoethane	8.93	107	1825	0.401 ug/l	93
58) Tetrachloroethene	8.56	164	2304	0.469 ug/l	96
59) Chlorobenzene	9.45	112	5918	0.392 ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.54	131	2006	0.394 ug/l	96
61) Pentachloroethane	11.43	117	1679	0.375 ug/l	95
62) Hexachloroethane	12.47	117	1456	0.355 ug/l	93
63) Ethyl Benzene	9.57	91	9429	0.349 ug/l	97
64) m/p-Xylenes	9.70	106	7058	0.668 ug/l	94
65) o-Xylene	10.10	106	3693	0.368 ug/l	88
66) Styrene	10.11	104	5739	0.334 ug/l	96
67) Bromoform	10.29	173	841	0.325 ug/l #	89
69) Isopropylbenzene	10.48	105	9430	0.352 ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.79	83	2960	0.435 ug/l #	94
71) 1,2,3-Trichloropropane	10.83	75	2417m	0.472 ug/l	
72) Bromobenzene	10.78	156	2142	0.352 ug/l	84
73) n-propylbenzene	10.90	120	2293	0.304 ug/l	80
74) 2-Chlorotoluene	10.99	126	2020	0.317 ug/l	75
75) 1,3,5-Trimethylbenzene	11.09	105	7593	0.328 ug/l	98
76) 4-Chlorotoluene	11.10	126	2390	0.362 ug/l	95
77) tert-Butylbenzene	11.42	119	7392	0.333 ug/l	98
78) 1,2,4-Trimethylbenzene	11.47	105	7993	0.336 ug/l	97
79) sec-Butylbenzene	11.64	105	10198	0.322 ug/l	96
81) p-Isopropyltoluene	11.79	119	8076	0.317 ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	5003	0.382 ug/l	96
83) 1,4-Dichlorobenzene	11.83	146	4888	0.371 ug/l	99
84) n-Butylbenzene	12.20	91	8698	0.321 ug/l	95
85) 1,2-Dichlorobenzene	12.21	146	5083	0.402 ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	381	0.332 ug/l	95
87) 1,2,4-Trichlorobenzene	13.83	180	2934	0.371 ug/l	95
88) Hexachlorobutadiene	14.01	225	1138	0.317 ug/l	84
89) Naphthalene	14.08	128	5469	0.324 ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	2567	0.344 ug/l	95

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

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