Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102220\
Data File : VU040921.D
Acq On : 23 Oct 2020 00:22
Operator : SY/MD
Sample : L4214-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations APPROVED
MMDadoda
10/26/2020 4:15:30 PM

Quant Time: Oct 23 07:40:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 23 07:00:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	52927	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	14702	0.76	ug/l	0.00
Spiked Amount 1.000			Recovery = 76.00%			
68) 1,2-Dichlorobenzene-d4	12.19	152	16656	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery = 83.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	12351	0.500	ug/l	96
3) Chloromethane	1.53	50	13267	0.516	ug/l	99
4) Vinyl Chloride	1.61	62	12139	0.507	ug/l	98
5) Bromomethane	1.87	94	8303	0.590	ug/l	100
6) Chloroethane	1.94	64	8289	0.566	ug/l	95
7) Trichlorofluoromethane	2.15	101	15401	0.509	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	8219	0.488	ug/l	95
9) 1,1-Dichloroethene	2.59	96	7289	0.497	ug/l	96
10) Iodomethane	2.74	142	6468	0.455	ug/l	94
11) Allyl Chloride	2.94	41	15532	0.515	ug/l	97
12) Acrylonitrile	3.35	53	5313	1.028	ug/l	96
13) Acetone	2.66	43	12507	2.892	ug/l	91
14) Carbon Disulfide	2.81	76	29508	0.536	ug/l	99
15) Methylene Chloride	3.06	84	12028	0.632	ug/l	95
16) trans-1,2-Dichloroethene	3.37	96	8642	0.521	ug/l	99
17) 1,1-Dichloroethane	3.89	63	17484	0.515	ug/l	98
18) 2-Butanone	4.76	43	17406	2.488	ug/l	96
19) Cyclohexane	5.39	56	15922m	0.499	ug/l	
20) Methylcyclohexane	6.77	83	8825	0.369	ug/l	93
21) 2,2-Dichloropropane	4.68	77	14347	0.501	ug/l	99
22) cis-1,2-Dichloroethene	4.68	96	8550	0.483	ug/l	88
23) Diethyl Ether	2.39	59	6787	0.469	ug/l	95
24) tert-Butyl Alcohol	3.29	59	7481m	4.634	ug/l	
25) Methyl tert-Butyl Ether	3.39	73	22356	0.492	ug/l #	78
26) Bromochloromethane	4.99	128	3636	0.473	ug/l	88
27) Chloroform	5.11	83	16550	0.510	ug/l	95
28) 1,1,1-Trichloroethane	5.33	97	14425	0.516	ug/l	97
29) 1,1-Dichloropropene	5.53	75	12423	0.507	ug/l	95
30) Carbon Tetrachloride	5.53	117	12666	0.501	ug/l	96
31) Isopropyl Ether	4.02	45	24737	0.471	ug/l	84
32) Ethyl-t-butyl ether	4.53	59	22240	0.481	ug/l	100
33) Tert-Amyl methyl ether	5.96	73	14432	0.419	ug/l	98
34) Propionitrile	4.82	54	4999m	2.602	ug/l	
35) Benzene	5.79	78	31270	0.461	ug/l	97
36) 1,2-Dichloroethane	5.81	62	13392	0.532	ug/l	100
37) Trichloroethene	6.56	130	7526	0.469	ug/l	99
38) 1,2-Dichloropropane	6.80	63	8844	0.459	ug/l	99
39) Methacrylonitrile	5.00	41	5672	0.630	ug/l #	83
40) Methyl acrylate	4.87	55	5843	0.473	ug/l #	92
41) Tetrahydrofuran	5.09	42	6234	1.346	ug/l #	68
42) 1-Chlorobutane	5.47	56	18047	0.487	ug/l	98

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Quant Time: Oct 23 07:40:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 23 07:00:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.93	93	5270	0.488 ug/l		90
44) Bromodichloromethane	7.12	83	12468	0.497 ug/l	#	98
45) 4-Methyl-2-Pentanone	7.81	43	26969	1.903 ug/l		99
46) t-1,4-Dichloro-2-butene	10.83	75	4522m	0.807 ug/l		
47) Methyl methacrylate	6.98	69	6746	0.748 ug/l		92
48) Ethyl methacrylate	8.34	69	5548	0.366 ug/l		93
49) Toluene	7.97	92	13835	0.370 ug/l		96
50) t-1,3-Dichloropropene	8.22	75	8603	0.397 ug/l		97
51) cis-1,3-Dichloropropene	7.62	75	9253	0.390 ug/l	#	88
52) 1,1,2-Trichloroethane	8.41	97	6899	0.505 ug/l		97
53) 1,3-Dichloropropane	8.58	76	10557	0.431 ug/l		95
54) 2-Hexanone	8.70	43	19308	1.950 ug/l		92
55) Dibromochloromethane	8.82	129	7351	0.449 ug/l		94
56) 1,2-Dibromoethane	8.93	107	5840	0.461 ug/l		96
58) Tetrachloroethene	8.56	164	6687	0.446 ug/l		96
59) Chlorobenzene	9.45	112	16401	0.415 ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.54	131	6820	0.439 ug/l		93
61) Pentachloroethane	11.42	117	5530	0.441 ug/l		86
62) Hexachloroethane	12.47	117	6033	0.472 ug/l		95
63) Ethyl Benzene	9.57	91	22554	0.344 ug/l		97
64) m/p-Xylenes	9.69	106	16268	0.652 ug/l		98
65) o-Xylene	10.10	106	7165	0.312 ug/l		86
66) Styrene	10.11	104	12508	0.308 ug/l		98
67) Bromoform	10.29	173	3697	0.417 ug/l		95
69) Isopropylbenzene	10.48	105	19538	0.319 ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.78	83	9429	0.508 ug/l	#	94
71) 1,2,3-Trichloropropane	10.83	75	5923m	0.418 ug/l		
72) Bromobenzene	10.78	156	6325	0.396 ug/l		96
73) n-propylbenzene	10.91	120	5155	0.294 ug/l		83
74) 2-Chlorotoluene	10.98	126	5351	0.336 ug/l		100
75) 1,3,5-Trimethylbenzene	11.09	105	16927	0.309 ug/l		98
76) 4-Chlorotoluene	11.09	126	5582	0.338 ug/l		94
77) tert-Butylbenzene	11.42	119	16979	0.328 ug/l		94
78) 1,2,4-Trimethylbenzene	11.47	105	16100	0.287 ug/l		98
79) sec-Butylbenzene	11.64	105	23301	0.324 ug/l		99
80) Nitrobenzene	13.20	77	2062	2.347 ug/l	#	83
81) p-Isopropyltoluene	11.79	119	16436	0.278 ug/l		95
82) 1,3-Dichlorobenzene	11.74	146	13239	0.380 ug/l		99
83) 1,4-Dichlorobenzene	11.83	146	12220	0.347 ug/l		96
84) n-Butylbenzene	12.20	91	18577	0.308 ug/l		95
85) 1,2-Dichlorobenzene	12.20	146	13400	0.402 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1732	0.500 ug/l		87
87) 1,2,4-Trichlorobenzene	13.83	180	7046	0.360 ug/l		98
88) Hexachlorobutadiene	14.01	225	4687	0.427 ug/l		93
89) Naphthalene	14.08	128	12631	0.334 ug/l		99
90) 1,2,3-Trichlorobenzene	14.32	180	6887	0.362 ug/l		96

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

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