Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102220\
Data File : VU040920.D
Acq On : 22 Oct 2020 23:53
Operator : SY/MD
Sample : L4214-07 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2020

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

Quant Time: Oct 23 07:38:37 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	6.12	96	51837	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	13820	0.73	ug/l		0.00
Spiked Amount 1.000			Recovery = 73.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	15448	0.78	ug/l		0.00
Spiked Amount 1.000			Recovery = 78.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	7968	0.330	ug/l		95
3) Chloromethane	1.53	50	9813	0.389	ug/l		98
4) Vinyl Chloride	1.61	62	8463	0.361	ug/l	#	84
5) Bromomethane	1.87	94	5149	0.373	ug/l		88
6) Chloroethane	1.94	64	5889	0.411	ug/l		96
7) Trichlorofluoromethane	2.15	101	9932	0.335	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4750	0.288	ug/l	#	85
9) 1,1-Dichloroethene	2.60	96	5497	0.383	ug/l		90
10) Iodomethane	2.74	142	4202	0.302	ug/l	#	64
11) Allyl Chloride	2.94	41	10691	0.362	ug/l		92
12) Acrylonitrile	3.34	53	3772	0.745	ug/l	#	89
13) Acetone	2.64	43	7968	1.881	ug/l		92
14) Carbon Disulfide	2.81	76	19479	0.361	ug/l	#	95
15) Methylene Chloride	3.06	84	9172	0.492	ug/l		96
16) trans-1,2-Dichloroethene	3.37	96	5876	0.362	ug/l		98
17) 1,1-Dichloroethane	3.89	63	12287	0.370	ug/l		96
18) 2-Butanone	4.74	43	11530	1.683	ug/l		98
19) Cyclohexane	5.39	56	10523m	0.336	ug/l		
20) Methylcyclohexane	6.77	83	6000	0.256	ug/l		97
21) 2,2-Dichloropropane	4.69	77	9598	0.342	ug/l		100
22) cis-1,2-Dichloroethene	4.68	96	6321	0.365	ug/l		94
23) Diethyl Ether	2.39	59	4509	0.318	ug/l		90
24) tert-Butyl Alcohol	3.21	59	8404	5.315	ug/l	#	91
25) Methyl tert-Butyl Ether	3.39	73	15123	0.340	ug/l	#	78
26) Bromochloromethane	4.99	128	2632	0.349	ug/l		95
27) Chloroform	5.11	83	11899	0.375	ug/l		99
28) 1,1,1-Trichloroethane	5.33	97	9678	0.353	ug/l		95
29) 1,1-Dichloropropene	5.54	75	7633	0.318	ug/l		96
30) Carbon Tetrachloride	5.53	117	8090	0.326	ug/l		96
31) Isopropyl Ether	4.02	45	17576	0.342	ug/l		85
32) Ethyl-t-butyl ether	4.53	59	15541	0.343	ug/l		99
33) Tert-Amyl methyl ether	5.96	73	9225	0.274	ug/l		96
34) Propionitrile	4.80	54	3650	1.940	ug/l	#	83
35) Benzene	5.79	78	21586	0.325	ug/l		99
36) 1,2-Dichloroethane	5.81	62	8334	0.338	ug/l	#	94
37) Trichloroethene	6.55	130	5568	0.354	ug/l		92
38) 1,2-Dichloropropane	6.80	63	5640	0.299	ug/l		91
39) Methacrylonitrile	5.01	41	3458	0.392	ug/l	#	84
40) Methyl acrylate	4.87	55	4588	0.379	ug/l	#	84
41) Tetrahydrofuran	5.08	42	4307	0.949	ug/l	#	74
42) 1-Chlorobutane	5.47	56	12792	0.353	ug/l		97

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Quant Time: Oct 23 07:38:37 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	3480	0.329 ug/l		95
44) Bromodichloromethane	7.12	83	7999	0.326 ug/l		98
45) 4-Methyl-2-Pentanone	7.81	43	18228	1.313 ug/l		95
46) t-1,4-Dichloro-2-butene	10.83	75	4187m	0.763 ug/l		
47) Methyl methacrylate	6.98	69	4388	0.497 ug/l		94
48) Ethyl methacrylate	8.35	69	3366	0.227 ug/l		87
49) Toluene	7.97	92	9060	0.248 ug/l		97
50) t-1,3-Dichloropropene	8.21	75	6144	0.290 ug/l		98
51) cis-1,3-Dichloropropene	7.62	75	6492	0.279 ug/l	#	82
52) 1,1,2-Trichloroethane	8.41	97	4487	0.336 ug/l		93
53) 1,3-Dichloropropane	8.58	76	7281	0.303 ug/l		98
54) 2-Hexanone	8.70	43	12756	1.315 ug/l		90
55) Dibromochloromethane	8.82	129	4688	0.292 ug/l		98
56) 1,2-Dibromoethane	8.93	107	3850	0.311 ug/l		96
58) Tetrachloroethene	8.56	164	4763	0.324 ug/l		94
59) Chlorobenzene	9.45	112	11181	0.289 ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.54	131	5177	0.340 ug/l		91
61) Pentachloroethane	11.43	117	3922	0.319 ug/l		96
62) Hexachloroethane	12.47	117	3960	0.317 ug/l		99
63) Ethyl Benzene	9.57	91	13850	0.216 ug/l		94
64) m/p-Xylenes	9.70	106	10313	0.422 ug/l		95
65) o-Xylene	10.10	106	4799	0.213 ug/l		97
67) Bromoform	10.29	173	2755	0.318 ug/l	#	90
69) Isopropylbenzene	10.48	105	13172	0.219 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.78	83	5947	0.327 ug/l	#	98
71) 1,2,3-Trichloropropane	10.82	75	3366m	0.243 ug/l		
72) Bromobenzene	10.78	156	4470	0.285 ug/l		87
73) n-propylbenzene	10.90	120	3605	0.210 ug/l		95
74) 2-Chlorotoluene	10.98	126	3567	0.229 ug/l		100
77) tert-Butylbenzene	11.41	119	11269	0.222 ug/l		88
80) Nitrobenzene	13.21	77	1488	1.730 ug/l	#	73
82) 1,3-Dichlorobenzene	11.74	146	8043	0.235 ug/l		90
83) 1,4-Dichlorobenzene	11.83	146	8210	0.238 ug/l		96
84) n-Butylbenzene	12.20	91	12065	0.205 ug/l		88
85) 1,2-Dichlorobenzene	12.20	146	7935	0.243 ug/l		91
86) 1,2-Dibromo-3-Chloropropan	12.99	75	948	0.279 ug/l		95
87) 1,2,4-Trichlorobenzene	13.83	180	4713	0.246 ug/l		98
88) Hexachlorobutadiene	14.01	225	3028	0.282 ug/l		94
89) Naphthalene	14.08	128	8114	0.219 ug/l		95
90) 1,2,3-Trichlorobenzene	14.32	180	4565	0.245 ug/l	#	95

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

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