Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102320\
Data File : VU040928.D
Acq On : 23 Oct 2020 11:02
Operator : SY/MD
Sample : L4214-09 0.25 ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
MMDadoda
10/26/2020 4:24:05 PM

Quant Time: Oct 24 06:40:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 23 07:07:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.12	96	52675	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	15112	0.79	ug/l		0.00
Spiked Amount 1.000			Recovery = 79.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	15986	0.80	ug/l		0.00
Spiked Amount 1.000			Recovery = 80.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	7005	0.285	ug/l		94
3) Chloromethane	1.53	50	7586	0.296	ug/l		97
4) Vinyl Chloride	1.61	62	6147	0.258	ug/l		89
5) Bromomethane	1.86	94	3969	0.283	ug/l		89
6) Chloroethane	1.94	64	3993	0.274	ug/l		100
7) Trichlorofluoromethane	2.15	101	8410	0.279	ug/l		94
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4503	0.269	ug/l		95
9) 1,1-Dichloroethene	2.60	96	4140	0.284	ug/l		97
10) Iodomethane	2.74	142	3565	0.590	ug/l	#	80
11) Allyl Chloride	2.94	41	8579	0.286	ug/l		97
12) Acrylonitrile	3.34	53	2901	0.564	ug/l	#	71
13) Acetone	2.64	43	6648	1.544	ug/l	#	78
14) Carbon Disulfide	2.81	76	16203	0.296	ug/l		99
15) Methylene Chloride	3.06	84	6274	0.331	ug/l		93
16) trans-1,2-Dichloroethene	3.37	96	4852	0.294	ug/l		81
17) 1,1-Dichloroethane	3.89	63	9994	0.296	ug/l		97
18) 2-Butanone	4.74	43	10573	1.518	ug/l		98
19) Cyclohexane	5.39	56	8587m	0.270	ug/l		
20) Methylcyclohexane	6.77	83	5160	0.217	ug/l		94
21) 2,2-Dichloropropane	4.69	77	9233	0.324	ug/l	#	90
22) cis-1,2-Dichloroethene	4.68	96	4648	0.264	ug/l		81
23) Diethyl Ether	2.39	59	3863	0.268	ug/l		91
24) tert-Butyl Alcohol	3.21	59	7056	4.391	ug/l	#	80
25) Methyl tert-Butyl Ether	3.38	73	12158	0.269	ug/l	#	77
26) Bromochloromethane	4.99	128	2219	0.290	ug/l		96
27) Chloroform	5.11	83	9565	0.296	ug/l		89
28) 1,1,1-Trichloroethane	5.33	97	7440	0.267	ug/l		96
29) 1,1-Dichloropropene	5.54	75	6367	0.261	ug/l		93
30) Carbon Tetrachloride	5.54	117	7064	0.280	ug/l		91
31) Isopropyl Ether	4.02	45	13482	0.258	ug/l		85
32) Ethyl-t-butyl ether	4.54	59	12679	0.276	ug/l		97
33) Tert-Amyl methyl ether	5.96	73	7571	0.221	ug/l		99
34) Propionitrile	4.81	54	2845	1.488	ug/l		95
35) Benzene	5.78	78	17702	0.262	ug/l		94
36) 1,2-Dichloroethane	5.81	62	7144	0.285	ug/l		96
37) Trichloroethene	6.55	130	4303	0.269	ug/l		97
38) 1,2-Dichloropropane	6.80	63	4897	0.255	ug/l		90
39) Methacrylonitrile	5.00	41	2682	0.299	ug/l	#	69
40) Methyl acrylate	4.86	55	3549	0.289	ug/l	#	85
41) Tetrahydrofuran	5.09	42	3817	0.828	ug/l	#	83
42) 1-Chlorobutane	5.47	56	10337	0.280	ug/l		96

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 23 07:07:33 2020
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.94	93	3003	0.279 ug/l		89
44) Bromodichloromethane	7.12	83	6503	0.261 ug/l		99
45) 4-Methyl-2-Pentanone	7.81	43	15879	1.126 ug/l	#	94
46) t-1,4-Dichloro-2-butene	10.84	75	1404m	0.252 ug/l		
47) Methyl methacrylate	6.98	69	3418	0.381 ug/l		92
49) Toluene	7.97	92	7455	0.201 ug/l		95
50) t-1,3-Dichloropropene	8.22	75	4583	0.213 ug/l	#	82
51) cis-1,3-Dichloropropene	7.61	75	5957	0.252 ug/l		90
52) 1,1,2-Trichloroethane	8.40	97	3473	0.256 ug/l	#	89
53) 1,3-Dichloropropane	8.58	76	5973	0.245 ug/l		94
54) 2-Hexanone	8.70	43	10960	1.112 ug/l		92
55) Dibromochloromethane	8.82	129	3649	0.224 ug/l		95
56) 1,2-Dibromoethane	8.93	107	2934	0.233 ug/l		99
58) Tetrachloroethene	8.56	164	3796	0.254 ug/l		95
59) Chlorobenzene	9.45	112	8560	0.218 ug/l		91
60) 1,1,1,2-Tetrachloroethane	9.54	131	3497	0.226 ug/l		94
61) Pentachloroethane	11.42	117	3008	0.241 ug/l		99
62) Hexachloroethane	12.47	117	3159	0.249 ug/l		100
64) m/p-Xylenes	9.69	106	8321	0.716 ug/l		96
66) Styrene	10.11	104	6916	0.404 ug/l		96
67) Bromoform	10.29	173	2324	0.264 ug/l	#	81
70) 1,1,2,2-Tetrachloroethane	10.78	83	4604	0.249 ug/l	#	94
71) 1,2,3-Trichloropropane	10.82	75	3358m	0.238 ug/l		
72) Bromobenzene	10.78	156	3518	0.221 ug/l		90
73) n-propylbenzene	10.90	120	2825	0.366 ug/l		83
75) 1,3,5-Trimethylbenzene	11.09	105	8244	0.363 ug/l		90
78) 1,2,4-Trimethylbenzene	11.47	105	8477	0.367 ug/l		98
80) Nitrobenzene	13.21	77	1466	1.677 ug/l	#	62
81) p-Isopropyltoluene	11.79	119	8264	0.402 ug/l	#	91
82) 1,3-Dichlorobenzene	11.74	146	7419	0.214 ug/l		97
83) 1,4-Dichlorobenzene	11.83	146	7021	0.200 ug/l		97
85) 1,2-Dichlorobenzene	12.21	146	6946	0.209 ug/l		93
86) 1,2-Dibromo-3-Chloropropan	12.99	75	855	0.248 ug/l	#	72
88) Hexachlorobutadiene	14.01	225	2963	0.271 ug/l		97
89) Naphthalene	14.08	128	7204	0.854 ug/l		99
90) 1,2,3-Trichlorobenzene	14.32	180	4346	0.230 ug/l		93

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

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