Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050420\
Data File : VU038004.D
Acq On : 04 May 2020 16:23
Operator : JC/MD
Sample : L2182-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT2-2020

Manual Integrations APPROVED
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5/5/2020 11:15:59 AM

Quant Time: May 05 02:18:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U050420DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue May 05 02:05:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	89298	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	32360	0.93	ug/l		0.00
Spiked Amount 1.000			Recovery = 93.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	32523	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.40	85	7748	0.256	ug/l		99
3) Chloromethane	1.54	50	9414	0.262	ug/l		90
4) Vinyl Chloride	1.62	62	8960	0.251	ug/l		97
5) Bromomethane	1.87	94	5508	0.257	ug/l		94
6) Chloroethane	1.95	64	5644	0.264	ug/l		96
7) Trichlorofluoromethane	2.16	101	9493	0.255	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	5878	0.253	ug/l		95
9) 1,1-Dichloroethene	2.60	96	6275	0.269	ug/l		93
10) Iodomethane	2.75	142	2901	0.203	ug/l		94
11) Allyl Chloride	2.95	41	11057	0.256	ug/l		97
12) Acrylonitrile	3.35	53	3557	0.558	ug/l	#	69
13) Acetone	2.66	43	7010	1.375	ug/l		91
14) Carbon Disulfide	2.82	76	23768	0.279	ug/l	#	95
15) Methylene Chloride	3.07	84	14223	0.441	ug/l		93
16) trans-1,2-Dichloroethene	3.38	96	6730	0.264	ug/l	#	93
17) 1,1-Dichloroethane	3.91	63	12557	0.259	ug/l		99
18) 2-Butanone	4.76	43	8883	1.162	ug/l		100
19) Cyclohexane	5.42	56	12972m	0.276	ug/l		
20) Methylcyclohexane	6.79	83	11126	0.242	ug/l		96
21) 2,2-Dichloropropane	4.71	77	11206	0.277	ug/l	#	90
22) cis-1,2-Dichloroethene	4.71	96	6779	0.251	ug/l		88
23) Diethyl Ether	2.40	59	4919	0.240	ug/l		94
24) tert-Butyl Alcohol	3.23	59	8629	3.801	ug/l	#	94
25) Methyl tert-Butyl Ether	3.41	73	16120	0.252	ug/l	#	59
26) Bromochloromethane	5.01	128	2647	0.244	ug/l		67
27) Chloroform	5.13	83	12282	0.271	ug/l		83
28) 1,1,1-Trichloroethane	5.35	97	9675	0.259	ug/l		98
29) 1,1-Dichloropropene	5.56	75	10216	0.271	ug/l		98
30) Carbon Tetrachloride	5.56	117	7809	0.249	ug/l		96
31) Isopropyl Ether	4.05	45	19467	0.244	ug/l		94
32) Ethyl-t-butyl ether	4.56	59	17784	0.247	ug/l		98
33) Tert-Amyl methyl ether	5.98	73	14305	0.231	ug/l		99
34) Propionitrile	4.83	54	2487	1.136	ug/l	#	91
35) Benzene	5.81	78	27377	0.260	ug/l		97
36) 1,2-Dichloroethane	5.83	62	8050	0.258	ug/l		100
37) Trichloroethene	6.57	130	7792	0.282	ug/l		80
38) 1,2-Dichloropropane	6.82	63	7209	0.254	ug/l		97
39) Methacrylonitrile	5.02	41	2269	0.221	ug/l		91
40) Methyl acrylate	4.89	55	3897	0.258	ug/l	#	93
41) Tetrahydrofuran	5.11	42	3739	0.731	ug/l	#	89
42) 1-Chlorobutane	5.49	56	14141	0.261	ug/l		93

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.95	93	3096	0.234	ug/l		96
44) Bromodichloromethane	7.14	83	8374	0.252	ug/l		94
45) 4-Methyl-2-Pentanone	7.82	43	25371	1.410	ug/l		96
46) t-1,4-Dichloro-2-butene	10.85	75	2635m	0.473	ug/l		
47) Methyl methacrylate	6.99	69	6794	0.506	ug/l		97
48) Ethyl methacrylate	8.36	69	6184	0.249	ug/l		94
49) Toluene	8.00	92	16401	0.246	ug/l		98
50) t-1,3-Dichloropropene	8.23	75	7282	0.215	ug/l		98
51) cis-1,3-Dichloropropene	7.64	75	9898	0.243	ug/l		95
52) 1,1,2-Trichloroethane	8.43	97	5035	0.269	ug/l	#	87
53) 1,3-Dichloropropane	8.60	76	8374	0.239	ug/l		96
54) 2-Hexanone	8.71	43	16710	1.315	ug/l		98
55) Dibromochloromethane	8.84	129	4782	0.231	ug/l		89
56) 1,2-Dibromoethane	8.95	107	4540	0.257	ug/l		91
58) Tetrachloroethene	8.57	164	6933	0.269	ug/l		90
59) Chlorobenzene	9.47	112	18579	0.263	ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.56	131	5254	0.245	ug/l		97
61) Pentachloroethane	11.45	117	3873	0.241	ug/l		96
62) Hexachloroethane	12.49	117	3433	0.205	ug/l		97
63) Ethyl Benzene	9.59	91	30985	0.246	ug/l		98
64) m/p-Xylenes	9.71	106	22761	0.470	ug/l		94
65) o-Xylene	10.12	106	11028	0.234	ug/l		98
66) Styrene	10.13	104	18900	0.243	ug/l		97
67) Bromoform	10.31	173	2355	0.216	ug/l	#	97
69) Isopropylbenzene	10.50	105	28812	0.234	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.80	83	5897	0.246	ug/l		98
71) 1,2,3-Trichloropropane	10.84	75	4157m	0.235	ug/l		
72) Bromobenzene	10.80	156	7621	0.277	ug/l		89
73) n-propylbenzene	10.92	120	7885	0.233	ug/l		94
74) 2-Chlorotoluene	11.00	126	6604	0.233	ug/l		93
75) 1,3,5-Trimethylbenzene	11.10	105	23109	0.226	ug/l		98
76) 4-Chlorotoluene	11.11	126	7482	0.254	ug/l		96
77) tert-Butylbenzene	11.43	119	22533	0.232	ug/l		97
78) 1,2,4-Trimethylbenzene	11.48	105	24598	0.234	ug/l		95
79) sec-Butylbenzene	11.66	105	31192	0.224	ug/l		99
80) Nitrobenzene	13.23	77	817	1.150	ug/l	#	84
81) p-Isopropyltoluene	11.81	119	26110	0.233	ug/l		97
82) 1,3-Dichlorobenzene	11.76	146	14951	0.262	ug/l		99
83) 1,4-Dichlorobenzene	11.85	146	15742	0.273	ug/l		98
84) n-Butylbenzene	12.22	91	25687	0.229	ug/l		99
85) 1,2-Dichlorobenzene	12.23	146	14516	0.274	ug/l		97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	916	0.243	ug/l		87
87) 1,2,4-Trichlorobenzene	13.87	180	10021	0.258	ug/l		93
88) Hexachlorobutadiene	14.05	225	4768	0.275	ug/l		93
89) Naphthalene	14.12	128	19063	0.256	ug/l		99
90) 1,2,3-Trichlorobenzene	14.36	180	9703	0.281	ug/l		93

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

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