Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090920\
Data File : VU040058.D
Acq On : 09 Sep 2020 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
9/17/2020 4:46:47 PM

Quant Time: Sep 10 03:55:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U090920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 10 03:43:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.12	96	27460	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	11736	1.08	ug/l		0.00
Spiked Amount 1.000			Recovery = 108.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	10098	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	3836	0.415	ug/l		84
3) Chloromethane	1.53	50	4440	0.393	ug/l		97
4) Vinyl Chloride	1.61	62	4337	0.414	ug/l		97
5) Bromomethane	1.86	94	3979	0.552	ug/l		92
6) Chloroethane	1.94	64	3141	0.435	ug/l		92
7) Trichlorofluoromethane	2.15	101	6599	0.467	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3995	0.493	ug/l		95
9) 1,1-Dichloroethene	2.59	96	3161	0.429	ug/l		92
11) Allyl Chloride	2.94	41	6795	0.433	ug/l		96
12) Acrylonitrile	3.33	53	2335	0.902	ug/l		90
13) Acetone	2.64	43	5181	2.123	ug/l		100
14) Carbon Disulfide	2.81	76	9423	0.360	ug/l		97
15) Methylene Chloride	3.06	84	6781	0.655	ug/l		89
16) trans-1,2-Dichloroethene	3.37	96	3229	0.386	ug/l		95
17) 1,1-Dichloroethane	3.89	63	8091	0.444	ug/l		97
18) 2-Butanone	4.74	43	7755	1.921	ug/l		98
19) Cyclohexane	5.40	56	6978m	0.401	ug/l		
20) Methylcyclohexane	6.77	83	5702	0.432	ug/l	#	88
21) 2,2-Dichloropropane	4.68	77	8431	0.556	ug/l		92
22) cis-1,2-Dichloroethene	4.68	96	4269	0.471	ug/l		94
23) Diethyl Ether	2.38	59	3073	0.412	ug/l		92
24) tert-Butyl Alcohol	3.21	59	4720	3.479	ug/l	#	86
25) Methyl tert-Butyl Ether	3.38	73	10963	0.455	ug/l		91
26) Bromochloromethane	5.00	128	1733	0.462	ug/l		90
27) Chloroform	5.11	83	8362	0.483	ug/l		87
28) 1,1,1-Trichloroethane	5.33	97	6605	0.467	ug/l		97
29) 1,1-Dichloropropene	5.54	75	6059	0.452	ug/l		95
30) Carbon Tetrachloride	5.53	117	5956	0.506	ug/l		94
31) Isopropyl Ether	4.02	45	13086	0.395	ug/l		94
32) Ethyl-t-butyl ether	4.53	59	11857	0.417	ug/l	#	72
33) Tert-Amyl methyl ether	5.97	73	9802	0.465	ug/l	#	83
34) Propionitrile	4.81	54	1853	1.856	ug/l	#	86
35) Benzene	5.78	78	14508	0.429	ug/l		98
36) 1,2-Dichloroethane	5.81	62	6528	0.514	ug/l	#	90
37) Trichloroethene	6.56	130	4043	0.517	ug/l		100
38) 1,2-Dichloropropane	6.81	63	4501	0.484	ug/l	#	88
39) Methacrylonitrile	5.01	41	2500	0.472	ug/l	#	78
40) Methyl acrylate	4.87	55	2991	0.441	ug/l	#	88
41) Tetrahydrofuran	5.09	42	2224	0.841	ug/l	#	80
42) 1-Chlorobutane	5.47	56	8533	0.408	ug/l		96
43) Dibromomethane	6.93	93	2584	0.509	ug/l		98

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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)
44) Bromodichloromethane	7.11	83	6387	0.550	ug/l	#	85
45) 4-Methyl-2-Pentanone	7.81	43	16302	2.157	ug/l		96
46) t-1,4-Dichloro-2-butene	10.83	75	2081m	0.869	ug/l		
47) Methyl methacrylate	6.98	69	3946	0.846	ug/l		89
48) Ethyl methacrylate	8.34	69	3562	0.415	ug/l		94
49) Toluene	7.98	92	8678	0.434	ug/l		96
50) t-1,3-Dichloropropene	8.22	75	5309	0.508	ug/l	#	84
51) cis-1,3-Dichloropropene	7.62	75	6235	0.509	ug/l		97
52) 1,1,2-Trichloroethane	8.40	97	3277	0.498	ug/l	#	87
53) 1,3-Dichloropropane	8.58	76	5752	0.460	ug/l		92
54) 2-Hexanone	8.69	43	12651	2.337	ug/l		96
55) Dibromochloromethane	8.82	129	3575	0.502	ug/l		91
56) 1,2-Dibromoethane	8.93	107	2807	0.447	ug/l		98
58) Tetrachloroethene	8.56	164	3519	0.505	ug/l		96
59) Chlorobenzene	9.45	112	10055	0.481	ug/l		92
60) 1,1,1,2-Tetrachloroethane	9.54	131	3731	0.522	ug/l		91
61) Pentachloroethane	11.42	117	2477	0.414	ug/l		97
62) Hexachloroethane	12.47	117	3164	0.549	ug/l		95
63) Ethyl Benzene	9.57	91	15656	0.421	ug/l		94
64) m/p-Xylenes	9.69	106	10546	0.730	ug/l		79
65) o-Xylene	10.10	106	5136	0.374	ug/l		95
66) Styrene	10.11	104	8977	0.379	ug/l		96
67) Bromoform	10.29	173	1827	0.504	ug/l	#	92
69) Isopropylbenzene	10.48	105	15506	0.421	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.78	83	4495	0.482	ug/l		99
71) 1,2,3-Trichloropropane	10.83	75	3948m	0.570	ug/l		
72) Bromobenzene	10.78	156	3689	0.439	ug/l		90
73) n-propylbenzene	10.90	120	4071	0.394	ug/l		99
74) 2-Chlorotoluene	10.98	126	3678	0.418	ug/l		93
75) 1,3,5-Trimethylbenzene	11.09	105	12213	0.383	ug/l		99
76) 4-Chlorotoluene	11.10	126	3875	0.425	ug/l		99
77) tert-Butylbenzene	11.41	119	12794	0.421	ug/l		100
78) 1,2,4-Trimethylbenzene	11.46	105	14048	0.430	ug/l		96
79) sec-Butylbenzene	11.64	105	17273	0.397	ug/l		100
80) Nitrobenzene	13.21	77	692	3.529	ug/l	#	53
81) p-Isopropyltoluene	11.79	119	12913	0.369	ug/l		99
82) 1,3-Dichlorobenzene	11.74	146	8957	0.494	ug/l		97
83) 1,4-Dichlorobenzene	11.83	146	8710	0.477	ug/l		97
84) n-Butylbenzene	12.20	91	13443	0.362	ug/l		97
85) 1,2-Dichlorobenzene	12.21	146	8452	0.483	ug/l		94
86) 1,2-Dibromo-3-Chloropropan	12.99	75	703	0.441	ug/l	#	78
87) 1,2,4-Trichlorobenzene	13.83	180	4785	0.441	ug/l	#	88
88) Hexachlorobutadiene	14.01	225	2361	0.467	ug/l		99
89) Naphthalene	14.08	128	7295	0.316	ug/l		98
90) 1,2,3-Trichlorobenzene	14.32	180	4211	0.411	ug/l		97

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

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