Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072920\
Data File : VU039695.D
Acq On : 29 Jul 2020 10:40
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
7/31/2020 3:42:39 PM

Quant Time: Jul 30 09:23:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 01:17:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	22895	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	8116	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery = 91.00%			
68) 1,2-Dichlorobenzene-d4	12.19	152	6985	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery = 80.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	3361	0.430	ug/l	85
3) Chloromethane	1.53	50	4489	0.482	ug/l	97
4) Vinyl Chloride	1.61	62	4151	0.455	ug/l	98
5) Bromomethane	1.86	94	3309	0.585	ug/l	99
6) Chloroethane	1.94	64	3704	0.666	ug/l	90
7) Trichlorofluoromethane	2.15	101	5312	0.535	ug/l	90
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2896	0.475	ug/l	99
9) 1,1-Dichloroethene	2.59	96	2828	0.467	ug/l	98
10) Iodomethane	2.74	142	2209	0.549	ug/l	100
11) Allyl Chloride	2.93	41	5874	0.512	ug/l	98
12) Acrylonitrile	3.34	53	2137	1.242	ug/l	89
13) Acetone	2.65	43	5685	3.992	ug/l	96
14) Carbon Disulfide	2.81	76	10184	0.461	ug/l	96
15) Methylene Chloride	3.06	84	5260	0.626	ug/l	94
16) trans-1,2-Dichloroethene	3.37	96	3119	0.470	ug/l	89
17) 1,1-Dichloroethane	3.89	63	6806	0.525	ug/l	96
18) 2-Butanone	4.75	43	9049	4.119	ug/l	99
19) Cyclohexane	5.40	56	6631m	0.531	ug/l	
20) Methylcyclohexane	6.77	83	4837	0.410	ug/l	95
21) 2,2-Dichloropropane	4.69	77	6405	0.598	ug/l #	72
22) cis-1,2-Dichloroethene	4.69	96	3347	0.476	ug/l	88
23) Diethyl Ether	2.39	59	2781	0.512	ug/l	95
24) tert-Butyl Alcohol	3.22	59	4155	6.716	ug/l #	83
25) Methyl tert-Butyl Ether	3.39	73	8823	0.515	ug/l	94
26) Bromochloromethane	4.99	128	1609	0.567	ug/l	80
27) Chloroform	5.11	83	6602	0.545	ug/l	96
28) 1,1,1-Trichloroethane	5.34	97	5182	0.521	ug/l	99
29) 1,1-Dichloropropene	5.54	75	5073	0.512	ug/l	97
30) Carbon Tetrachloride	5.54	117	4205	0.508	ug/l	93
31) Isopropyl Ether	4.02	45	12195	0.561	ug/l	94
32) Ethyl-t-butyl ether	4.53	59	10644	0.550	ug/l	98
33) Tert-Amyl methyl ether	5.96	73	8649	0.533	ug/l	97
34) Propionitrile	4.82	54	1714	2.808	ug/l #	83
35) Benzene	5.79	78	13687	0.503	ug/l	95
36) 1,2-Dichloroethane	5.82	62	5354	0.636	ug/l	98
37) Trichloroethene	6.55	130	2896	0.411	ug/l	95
38) 1,2-Dichloropropane	6.80	63	3345	0.450	ug/l	97
39) Methacrylonitrile	5.00	41	2054	0.713	ug/l #	86
40) Methyl acrylate	4.88	55	2630	0.628	ug/l #	86
41) Tetrahydrofuran	5.10	42	2552	1.762	ug/l #	83
42) 1-Chlorobutane	5.47	56	7439	0.512	ug/l	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 01:17:29 2020
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VSTDICC0.5

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.93	93	1726	0.490	ug/l		97
44) Bromodichloromethane	7.12	83	3941	0.450	ug/l		99
45) 4-Methyl-2-Pentanone	7.81	43	14428	2.908	ug/l		92
46) t-1,4-Dichloro-2-butene	10.83	75	1241m	0.819	ug/l		
47) Methyl methacrylate	6.98	69	3021	0.846	ug/l		91
48) Ethyl methacrylate	8.34	69	2835	0.431	ug/l		99
49) Toluene	7.98	92	6870	0.400	ug/l		97
50) t-1,3-Dichloropropene	8.22	75	3334	0.378	ug/l		98
51) cis-1,3-Dichloropropene	7.62	75	4038	0.385	ug/l		96
52) 1,1,2-Trichloroethane	8.41	97	2370	0.481	ug/l		97
53) 1,3-Dichloropropane	8.58	76	4164	0.449	ug/l		99
54) 2-Hexanone	8.70	43	9988	2.839	ug/l		92
55) Dibromochloromethane	8.82	129	2263	0.415	ug/l		96
56) 1,2-Dibromoethane	8.93	107	2098	0.448	ug/l		91
58) Tetrachloroethene	8.56	164	2301	0.356	ug/l		97
59) Chlorobenzene	9.45	112	7336	0.404	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.54	131	2358	0.422	ug/l		95
61) Pentachloroethane	11.43	117	2068	0.478	ug/l		84
62) Hexachloroethane	12.47	117	1683	0.379	ug/l		92
63) Ethyl Benzene	9.57	91	11583	0.356	ug/l		97
64) m/p-Xylenes	9.70	106	9259	0.737	ug/l		93
65) o-Xylene	10.10	106	4435	0.364	ug/l		98
66) Styrene	10.12	104	7027	0.347	ug/l		97
67) Bromoform	10.29	173	972	0.339	ug/l	#	83
69) Isopropylbenzene	10.48	105	11621	0.365	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.78	83	3235	0.500	ug/l	#	91
71) 1,2,3-Trichloropropane	10.83	75	2340m	0.479	ug/l		
72) Bromobenzene	10.78	156	2808	0.396	ug/l		97
73) n-propylbenzene	10.91	120	3124	0.356	ug/l		96
74) 2-Chlorotoluene	10.99	126	2760	0.375	ug/l		96
75) 1,3,5-Trimethylbenzene	11.09	105	9446	0.353	ug/l		98
76) 4-Chlorotoluene	11.10	126	2799	0.365	ug/l		100
77) tert-Butylbenzene	11.42	119	9264	0.365	ug/l		100
78) 1,2,4-Trimethylbenzene	11.47	105	9690	0.352	ug/l		95
79) sec-Butylbenzene	11.64	105	12742	0.351	ug/l		99
81) p-Isopropyltoluene	11.79	119	10043	0.343	ug/l		96
82) 1,3-Dichlorobenzene	11.74	146	6005	0.406	ug/l		99
83) 1,4-Dichlorobenzene	11.83	146	6004	0.401	ug/l		97
84) n-Butylbenzene	12.20	91	10666	0.362	ug/l		99
85) 1,2-Dichlorobenzene	12.21	146	5961	0.429	ug/l		96
86) 1,2-Dibromo-3-Chloropropan	12.99	75	438	0.416	ug/l		86
87) 1,2,4-Trichlorobenzene	13.83	180	3434	0.345	ug/l		91
88) Hexachlorobutadiene	14.01	225	1576	0.358	ug/l		92
89) Naphthalene	14.08	128	7199	0.368	ug/l		97
90) 1,2,3-Trichlorobenzene	14.32	180	3453	0.388	ug/l		98

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

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