Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012220\
Data File : VU036526.D
Acq On : 22 Jan 2020 15:19
Operator : JC/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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1/23/2020 3:21:29 PM

Quant Time: Jan 22 22:22:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jan 22 22:08:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	34952	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	13575	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.00%			
68) 1,2-Dichlorobenzene-d4	12.21	152	13538	1.12	ug/l	0.00
Spiked Amount 1.000			Recovery = 112.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	22031	2.203	ug/l	99
3) Chloromethane	1.54	50	24131	1.865	ug/l	97
4) Vinyl Chloride	1.62	62	26814	1.805	ug/l	98
5) Bromomethane	1.88	94	17183	2.178	ug/l	99
6) Chloroethane	1.95	64	16409	1.892	ug/l	99
7) Trichlorofluoromethane	2.16	101	26449	1.533	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	16587	1.837	ug/l	99
9) 1,1-Dichloroethene	2.61	96	17439	1.893	ug/l	99
10) Iodomethane	2.75	142	16668	1.511	ug/l	100
11) Allyl Chloride	2.95	41	23963	1.327	ug/l	96
12) Acrylonitrile	3.37	53	8225	3.182	ug/l	96
13) Acetone	2.68	43	16188	5.223	ug/l	98
14) Carbon Disulfide	2.82	76	59648	1.734	ug/l	99
15) Methylene Chloride	3.08	84	23480	1.935	ug/l	96
16) trans-1,2-Dichloroethene	3.38	96	19415	1.884	ug/l	100
17) 1,1-Dichloroethane	3.91	63	32023	1.739	ug/l	99
18) 2-Butanone	4.78	43	23456	7.028	ug/l	97
19) Cyclohexane	5.42	56	28672m	1.602	ug/l	
20) Methylcyclohexane	6.79	83	31738	1.788	ug/l	99
21) 2,2-Dichloropropane	4.71	77	26062	1.565	ug/l	99
22) cis-1,2-Dichloroethene	4.71	96	20384	1.953	ug/l	97
23) Diethyl Ether	2.41	59	13555	1.688	ug/l	99
24) tert-Butyl Alcohol	3.29	59	11828	14.232	ug/l #	93
25) Methyl tert-Butyl Ether	3.42	73	46730	1.658	ug/l	99
26) Bromochloromethane	5.02	128	8910	2.130	ug/l	97
27) Chloroform	5.13	83	31016	1.692	ug/l	95
28) 1,1,1-Trichloroethane	5.36	97	26094	1.608	ug/l	99
29) 1,1-Dichloropropene	5.56	75	25143	1.695	ug/l	99
30) Carbon Tetrachloride	5.56	117	22208	1.627	ug/l	94
31) Isopropyl Ether	4.06	45	47436	1.531	ug/l	97
32) Ethyl-t-butyl ether	4.57	59	49882	1.646	ug/l	100
33) Tert-Amyl methyl ether	5.99	73	45384	1.648	ug/l	100
34) Propionitrile	4.85	54	7512	9.022	ug/l #	94
35) Benzene	5.81	78	73888	1.782	ug/l	100
36) 1,2-Dichloroethane	5.84	62	19634	1.478	ug/l	98
37) Trichloroethene	6.58	130	20666	2.052	ug/l	98
38) 1,2-Dichloropropane	6.83	63	18893	1.735	ug/l	95
39) Methacrylonitrile	5.03	41	5559	1.409	ug/l	97
40) Methyl acrylate	4.91	55	9226	1.576	ug/l	98
41) Tetrahydrofuran	5.13	42	6088	2.976	ug/l	99
42) 1-Chlorobutane	5.50	56	32243	1.501	ug/l	99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jan 22 22:08:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.96	93	9544	1.706	ug/l		96
44) Bromodichloromethane	7.14	83	22973	1.596	ug/l		97
45) 4-Methyl-2-Pentanone	7.84	43	54313	7.021	ug/l		99
46) t-1,4-Dichloro-2-butene	10.86	75	9494m	3.024	ug/l		
47) Methyl methacrylate	7.01	69	19118	3.584	ug/l		97
48) Ethyl methacrylate	8.37	69	18523	1.757	ug/l		100
49) Toluene	8.00	92	46147	1.794	ug/l		97
50) t-1,3-Dichloropropene	8.24	75	21948	1.553	ug/l		98
51) cis-1,3-Dichloropropene	7.64	75	27188	1.665	ug/l		99
52) 1,1,2-Trichloroethane	8.43	97	13841	1.866	ug/l		95
53) 1,3-Dichloropropane	8.61	76	23646	1.708	ug/l		96
54) 2-Hexanone	8.73	43	38311	7.194	ug/l		100
55) Dibromochloromethane	8.84	129	15704	1.808	ug/l		98
56) 1,2-Dibromoethane	8.95	107	13591	1.864	ug/l		95
58) Tetrachloroethene	8.58	164	23284	2.799	ug/l		98
59) Chlorobenzene	9.47	112	52208	1.923	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.56	131	16633	1.809	ug/l		98
61) Pentachloroethane	11.45	117	8557	1.131	ug/l		91
62) Hexachloroethane	12.49	117	13695	1.724	ug/l		94
63) Ethyl Benzene	9.60	91	88258	1.788	ug/l		99
64) m/p-Xylenes	9.72	106	69983	3.833	ug/l		97
65) o-Xylene	10.12	106	33538	1.882	ug/l		97
66) Styrene	10.14	104	55038	1.872	ug/l		99
67) Bromoform	10.32	173	8821	2.051	ug/l		98
69) Isopropylbenzene	10.51	105	88095	1.839	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.81	83	17440	1.745	ug/l		98
71) 1,2,3-Trichloropropane	10.85	75	12882m	1.690	ug/l		
72) Bromobenzene	10.81	156	21261	2.097	ug/l		99
73) n-propylbenzene	10.93	120	25048	1.950	ug/l		96
74) 2-Chlorotoluene	11.01	126	21848	1.983	ug/l		99
75) 1,3,5-Trimethylbenzene	11.11	105	75432	1.856	ug/l		100
76) 4-Chlorotoluene	11.12	126	22278	1.964	ug/l		95
77) tert-Butylbenzene	11.44	119	70783	1.818	ug/l		98
78) 1,2,4-Trimethylbenzene	11.49	105	78725	1.870	ug/l		99
79) sec-Butylbenzene	11.66	105	101173	1.872	ug/l		100
80) Nitrobenzene	13.24	77	914	5.216	ug/l	#	85
81) p-Isopropyltoluene	11.81	119	85084	1.974	ug/l		100
82) 1,3-Dichlorobenzene	11.77	146	43248	2.036	ug/l		99
83) 1,4-Dichlorobenzene	11.86	146	43580	2.071	ug/l		99
84) n-Butylbenzene	12.23	91	77574	1.710	ug/l		100
85) 1,2-Dichlorobenzene	12.23	146	40852	2.032	ug/l		99
86) 1,2-Dibromo-3-Chloropropan	13.01	75	3025	1.666	ug/l		88
87) 1,2,4-Trichlorobenzene	13.86	180	25238	1.977	ug/l		98
88) Hexachlorobutadiene	14.04	225	14612	2.438	ug/l		100
89) Naphthalene	14.10	128	41226	1.628	ug/l		100
90) 1,2,3-Trichlorobenzene	14.35	180	24087	2.055	ug/l		99

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

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