Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072219\
Data File : VU033362.D
Acq On : 22 Jul 2019 20:08
Operator : JC/SP
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
7/23/2019 8:54:48 AM

Quant Time: Jul 23 02:18:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 23 01:45:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.72	96	28338	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.29	95	11042	1.09	ug/l		0.00
Spiked Amount 1.000			Recovery = 109.00%				
68) 1,2-Dichlorobenzene-d4	11.85	152	11409	1.19	ug/l		0.00
Spiked Amount 1.000			Recovery = 119.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	24068	1.904	ug/l		99
3) Chloromethane	1.32	50	26742	1.791	ug/l		95
4) Vinyl Chloride	1.39	62	29002	1.996	ug/l		98
5) Bromomethane	1.62	94	19386	2.629	ug/l		100
6) Chloroethane	1.69	64	19599	2.296	ug/l		97
7) Trichlorofluoromethane	1.87	101	40070	2.345	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	20699	2.446	ug/l		98
9) 1,1-Dichloroethene	2.27	96	20850	2.478	ug/l		90
10) Iodomethane	2.40	142	27470	2.855	ug/l		99
11) Allyl Chloride	2.58	41	33389	1.899	ug/l		96
12) Acrylonitrile	2.92	53	11145	4.433	ug/l	#	89
13) Acetone	2.32	43	23631	10.441	ug/l		95
14) Carbon Disulfide	2.46	76	78997	2.454	ug/l		99
15) Methylene Chloride	2.68	84	26667	2.496	ug/l		98
16) trans-1,2-Dichloroethene	2.96	96	24528	2.594	ug/l		91
17) 1,1-Dichloroethane	3.42	63	32781	1.778	ug/l		99
18) 2-Butanone	4.26	43	23238	8.246	ug/l		95
19) Cyclohexane	4.97	56	21976m	1.566	ug/l		
20) Methylcyclohexane	6.39	83	21685	1.864	ug/l		93
21) 2,2-Dichloropropane	4.20	77	27483	2.011	ug/l		99
22) cis-1,2-Dichloroethene	4.20	96	17816	1.855	ug/l		96
23) Diethyl Ether	2.09	59	17568	2.216	ug/l		98
24) tert-Butyl Alcohol	2.85	59	26834	31.145	ug/l	#	82
25) Methyl tert-Butyl Ether	2.99	73	59532	2.437	ug/l		100
26) Bromochloromethane	4.53	128	8225	2.017	ug/l		97
27) Chloroform	4.65	83	37230	2.139	ug/l		100
28) 1,1,1-Trichloroethane	4.89	97	28084	1.908	ug/l		96
29) 1,1-Dichloropropene	5.11	75	21992	1.861	ug/l		99
30) Carbon Tetrachloride	5.11	117	25663	2.037	ug/l		90
31) Isopropyl Ether	3.56	45	39514	1.466	ug/l		95
32) Ethyl-t-butyl ether	4.05	59	36229	1.624	ug/l		97
33) Tert-Amyl methyl ether	5.56	73	33803	1.866	ug/l		98
34) Propionitrile	4.33	54	6824	8.886	ug/l	#	94
35) Benzene	5.37	78	67718	1.877	ug/l		98
36) 1,2-Dichloroethane	5.38	62	23191	1.958	ug/l		100
37) Trichloroethene	6.16	130	17691	1.973	ug/l		99
38) 1,2-Dichloropropane	6.41	63	18791	1.848	ug/l		99
39) Methacrylonitrile	4.53	41	4943	1.573	ug/l		97
40) Methyl acrylate	4.41	55	7425	1.781	ug/l	#	96
41) Tetrahydrofuran	4.63	42	5171	2.980	ug/l		97
42) 1-Chlorobutane	5.04	56	29894	1.693	ug/l		91

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.54	93	10838	2.121 ug/l		99
44) Bromodichloromethane	6.74	83	25002	1.986 ug/l		99
45) 4-Methyl-2-Pentanone	7.45	43	53796	9.057 ug/l		95
46) t-1,4-Dichloro-2-butene	10.50	75	8084m	4.202 ug/l		
47) Methyl methacrylate	6.61	69	15068	3.859 ug/l		95
48) Ethyl methacrylate	8.01	69	13010	1.914 ug/l		96
49) Toluene	7.62	92	38593	2.028 ug/l		99
50) t-1,3-Dichloropropene	7.86	75	20725	2.078 ug/l		99
51) cis-1,3-Dichloropropene	7.25	75	25014	2.076 ug/l		99
52) 1,1,2-Trichloroethane	8.05	97	14128	2.108 ug/l		96
53) 1,3-Dichloropropane	8.23	76	23890	2.058 ug/l		100
54) 2-Hexanone	8.35	43	36124	8.977 ug/l		93
55) Dibromochloromethane	8.46	129	15452	2.038 ug/l		94
56) 1,2-Dibromoethane	8.57	107	13276	2.209 ug/l		97
58) Tetrachloroethene	8.21	164	15820	1.840 ug/l		97
59) Chlorobenzene	9.10	112	43175	2.129 ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.19	131	16984	2.162 ug/l		98
61) Pentachloroethane	11.09	117	14458	2.518 ug/l		88
62) Hexachloroethane	12.13	117	13310	2.372 ug/l		96
63) Ethyl Benzene	9.23	91	66486	2.015 ug/l		100
64) m/p-Xylenes	9.36	106	53523	4.296 ug/l		98
65) o-Xylene	9.76	106	26115	2.151 ug/l		100
66) Styrene	9.78	104	44048	2.183 ug/l		99
67) Bromoform	9.95	173	9136	2.156 ug/l		96
69) Isopropylbenzene	10.15	105	66013	2.087 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.44	83	19555	2.259 ug/l	#	96
71) 1,2,3-Trichloropropane	10.48	75	14056m	2.224 ug/l		
72) Bromobenzene	10.44	156	18618	2.306 ug/l		98
73) n-propylbenzene	10.57	120	18497	2.225 ug/l		91
74) 2-Chlorotoluene	10.64	126	17631	2.235 ug/l		97
75) 1,3,5-Trimethylbenzene	10.76	105	59226	2.177 ug/l		99
76) 4-Chlorotoluene	10.76	126	18884	2.435 ug/l		96
77) tert-Butylbenzene	11.08	119	56091	2.194 ug/l		99
78) 1,2,4-Trimethylbenzene	11.13	105	61947	2.246 ug/l		100
79) sec-Butylbenzene	11.31	105	80689	2.312 ug/l		99
80) Nitrobenzene	12.86	77	1931m	8.967 ug/l		
81) p-Isopropyltoluene	11.46	119	64935	2.353 ug/l		99
82) 1,3-Dichlorobenzene	11.40	146	38621	2.390 ug/l		98
83) 1,4-Dichlorobenzene	11.49	146	37985	2.437 ug/l		99
84) n-Butylbenzene	11.87	91	65160	2.440 ug/l		98
85) 1,2-Dichlorobenzene	11.86	146	36501	2.370 ug/l		99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	3021	2.397 ug/l		96
87) 1,2,4-Trichlorobenzene	13.49	180	20468	2.563 ug/l		98
88) Hexachlorobutadiene	13.68	225	13496	2.405 ug/l		96
89) Naphthalene	13.73	128	33386	2.383 ug/l		98
90) 1,2,3-Trichlorobenzene	13.97	180	20225	2.489 ug/l		99

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

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