Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012220\
Data File : VU036529.D
Acq On : 22 Jan 2020 16:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 22:31:32 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

Instrument : MSVOA_U
ClientSampleId : VSTDICC020

Manual Integrations APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	35452	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	13145	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.00%			
68) 1,2-Dichlorobenzene-d4	12.21	152	13973	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery = 113.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	242624	23.920	ug/l	98
3) Chloromethane	1.54	50	255677	19.480	ug/l	99
4) Vinyl Chloride	1.62	62	293368	19.466	ug/l	100
5) Bromomethane	1.87	94	163252	20.399	ug/l	99
6) Chloroethane	1.95	64	150114	17.066	ug/l	98
7) Trichlorofluoromethane	2.16	101	291091	16.632	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	179977	19.646	ug/l	99
9) 1,1-Dichloroethene	2.61	96	194380	20.803	ug/l	97
10) Iodomethane	2.75	142	268909	24.033	ug/l	99
11) Allyl Chloride	2.95	41	256876	14.021	ug/l	100
12) Acrylonitrile	3.36	53	92945	35.455	ug/l	97
13) Acetone	2.66	43	154019	48.997	ug/l	99
14) Carbon Disulfide	2.82	76	665183	19.063	ug/l	100
15) Methylene Chloride	3.08	84	213022	17.305	ug/l	99
16) trans-1,2-Dichloroethene	3.39	96	211336	20.223	ug/l	99
17) 1,1-Dichloroethane	3.91	63	346303	18.540	ug/l	99
18) 2-Butanone	4.77	43	249112	73.584	ug/l	100
19) Cyclohexane	5.42	56	314072m	17.304	ug/l	
20) Methylcyclohexane	6.80	83	362627	20.144	ug/l	99
21) 2,2-Dichloropropane	4.71	77	294688	17.448	ug/l	100
22) cis-1,2-Dichloroethene	4.71	96	219533	20.732	ug/l	99
23) Diethyl Ether	2.40	59	147038	18.047	ug/l	99
24) tert-Butyl Alcohol	3.26	59	141785	168.199	ug/l	99
25) Methyl tert-Butyl Ether	3.41	73	503229	17.601	ug/l	99
26) Bromochloromethane	5.02	128	94963	22.379	ug/l	98
27) Chloroform	5.13	83	341295	18.353	ug/l	99
28) 1,1,1-Trichloroethane	5.36	97	289717	17.597	ug/l	99
29) 1,1-Dichloropropene	5.57	75	280194	18.626	ug/l	99
30) Carbon Tetrachloride	5.56	117	251621	18.173	ug/l	99
31) Isopropyl Ether	4.05	45	533645	16.980	ug/l	100
32) Ethyl-t-butyl ether	4.56	59	552708	17.977	ug/l	99
33) Tert-Amyl methyl ether	5.99	73	503382	18.016	ug/l	100
34) Propionitrile	4.84	54	76361	90.419	ug/l #	96
35) Benzene	5.81	78	804735	19.131	ug/l	100
36) 1,2-Dichloroethane	5.84	62	216654	16.081	ug/l	100
37) Trichloroethene	6.58	130	223127	21.846	ug/l	100
38) 1,2-Dichloropropane	6.83	63	204025	18.472	ug/l	98
39) Methacrylonitrile	5.03	41	62857	15.708	ug/l	99
40) Methyl acrylate	4.90	55	110110	18.545	ug/l	100
41) Tetrahydrofuran	5.12	42	63043	30.382	ug/l	96
42) 1-Chlorobutane	5.50	56	362768	16.648	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	105916	18.670	ug/l	99
44) Bromodichloromethane	7.14	83	255525	17.497	ug/l	100
45) 4-Methyl-2-Pentanone	7.84	43	596305	76.002	ug/l	100
46) t-1,4-Dichloro-2-butene	10.86	75	131152m	41.184	ug/l	
47) Methyl methacrylate	7.00	69	211509	39.093	ug/l	98
48) Ethyl methacrylate	8.37	69	209675	19.607	ug/l	99
49) Toluene	8.00	92	516497	19.797	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	264441	18.453	ug/l	100
51) cis-1,3-Dichloropropene	7.64	75	315589	19.054	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	149187	19.831	ug/l	99
53) 1,3-Dichloropropane	8.61	76	260142	18.530	ug/l	99
54) 2-Hexanone	8.72	43	420143	77.780	ug/l	98
55) Dibromochloromethane	8.84	129	181754	20.630	ug/l	99
56) 1,2-Dibromoethane	8.95	107	147200	19.908	ug/l	99
58) Tetrachloroethene	8.58	164	226779	26.878	ug/l	100
59) Chlorobenzene	9.47	112	579759	21.052	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	188843	20.250	ug/l	99
61) Pentachloroethane	11.45	117	116376	15.169	ug/l	100
62) Hexachloroethane	12.49	117	163602	20.309	ug/l	99
63) Ethyl Benzene	9.60	91	975135	19.472	ug/l	99
64) m/p-Xylenes	9.72	106	762917	41.199	ug/l	98
65) o-Xylene	10.12	106	370565	20.501	ug/l	100
66) Styrene	10.14	104	625659	20.975	ug/l	100
67) Bromoform	10.32	173	106565	24.431	ug/l	99
69) Isopropylbenzene	10.51	105	979956	20.169	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	192972	19.041	ug/l	98
71) 1,2,3-Trichloropropane	10.86	75	132218m	17.103	ug/l	
72) Bromobenzene	10.81	156	236872	23.032	ug/l	99
73) n-propylbenzene	10.93	120	279774	21.473	ug/l	99
74) 2-Chlorotoluene	11.01	126	230433	20.624	ug/l	99
75) 1,3,5-Trimethylbenzene	11.11	105	832859	20.198	ug/l	100
76) 4-Chlorotoluene	11.12	126	242454	21.071	ug/l	97
77) tert-Butylbenzene	11.44	119	786777	19.917	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	855580	20.032	ug/l	100
79) sec-Butylbenzene	11.66	105	1096883	20.008	ug/l	100
80) Nitrobenzene	13.23	77	24590	138.355	ug/l	99
81) p-Isopropyltoluene	11.81	119	928237	21.229	ug/l	99
82) 1,3-Dichlorobenzene	11.77	146	470973	21.855	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	468121	21.937	ug/l	100
84) n-Butylbenzene	12.23	91	883741	19.205	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	444148	21.783	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	32823	17.822	ug/l	99
87) 1,2,4-Trichlorobenzene	13.86	180	330901	25.558	ug/l	100
88) Hexachlorobutadiene	14.04	225	159075	26.170	ug/l	99
89) Naphthalene	14.10	128	610549	23.771	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	298218	25.079	ug/l	100

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

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