Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071119\
Data File : VU033201.D
Acq On : 11 Jul 2019 20:03
Operator : JC/SP
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 12 05:39:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 12 05:19:33 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : ICVVU071119

Manual Integrations APPROVED
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7/16/2019 4:03:34 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	34618	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	14053	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery = 107.00%			
68) 1,2-Dichlorobenzene-d4	11.84	152	14747	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery = 104.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	88037	6.508	ug/l	98
3) Chloromethane	1.32	50	125480	7.942	ug/l	99
4) Vinyl Chloride	1.40	62	141601	8.694	ug/l	99
5) Bromomethane	1.62	94	91002	8.955	ug/l	99
6) Chloroethane	1.69	64	91756	9.185	ug/l	97
7) Trichlorofluoromethane	1.88	101	203133	9.217	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	118463	10.474	ug/l	100
9) 1,1-Dichloroethene	2.27	96	119687	10.480	ug/l	98
10) Iodomethane	2.40	142	145570	12.077	ug/l	100
11) Allyl Chloride	2.58	41	184316	9.659	ug/l	100
12) Acrylonitrile	2.92	53	160190	50.645	ug/l	99
13) Acetone	2.31	43	127873	45.094	ug/l	97
14) Carbon Disulfide	2.46	76	399106	9.574	ug/l	99
15) Methylene Chloride	2.68	84	140518	9.205	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	135671	10.373	ug/l	97
17) 1,1-Dichloroethane	3.42	63	195324	10.287	ug/l	99
18) 2-Butanone	4.25	43	148354	52.367	ug/l	98
19) Cyclohexane	4.97	56	168833m	11.632	ug/l	
20) Methylcyclohexane	6.39	83	181302	11.916	ug/l	99
21) 2,2-Dichloropropane	4.20	77	155028	9.717	ug/l	98
22) cis-1,2-Dichloroethene	4.20	96	117610	10.827	ug/l	98
23) Diethyl Ether	2.09	59	94238	9.466	ug/l	99
24) tert-Butyl Alcohol	2.82	59	62154	51.216	ug/l	100
25) Methyl tert-Butyl Ether	2.98	73	341832	10.268	ug/l	100
26) Bromochloromethane	4.52	128	47455	9.862	ug/l	96
27) Chloroform	4.65	83	204554	9.756	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	177099	10.669	ug/l	99
29) 1,1-Dichloropropene	5.11	75	153335	10.953	ug/l	98
30) Carbon Tetrachloride	5.11	117	154378	10.532	ug/l	99
31) Isopropyl Ether	3.56	45	301522	11.828	ug/l #	1
34) Propionitrile	4.31	54	89456	111.449	ug/l	98
35) Benzene	5.36	78	441306	10.813	ug/l	99
36) 1,2-Dichloroethane	5.38	62	138266	10.466	ug/l	99
37) Trichloroethene	6.16	130	116551	10.925	ug/l	97
38) 1,2-Dichloropropane	6.41	63	119316	10.808	ug/l	99
39) Methacrylonitrile	4.52	41	34610	10.400	ug/l	97
40) Methyl acrylate	4.40	55	58365	11.844	ug/l #	92
41) Tetrahydrofuran	4.63	42	97232	55.696	ug/l	98
42) 1-Chlorobutane	5.04	56	207251	10.901	ug/l	98
43) Dibromomethane	6.54	93	62528	10.593	ug/l	99
44) Bromodichloromethane	6.74	83	154148	10.596	ug/l	96

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Response via : Initial Calibration

Instrument :
MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.45	43	370128	55.678	ug/l		100
46) t-1,4-Dichloro-2-butene	10.49	75	31523m	11.137	ug/l		
47) Methyl methacrylate	6.61	69	55871	11.699	ug/l		98
48) Ethyl methacrylate	8.00	69	112316	12.514	ug/l		97
49) Toluene	7.62	92	281230	11.681	ug/l		99
50) t-1,3-Dichloropropene	7.86	75	151822	11.764	ug/l		99
51) cis-1,3-Dichloropropene	7.25	75	171893	11.529	ug/l		99
52) 1,1,2-Trichloroethane	8.05	97	89137	10.877	ug/l		98
53) 1,3-Dichloropropane	8.22	76	151864	10.934	ug/l		99
54) 2-Hexanone	8.35	43	260259	56.017	ug/l		98
55) Dibromochloromethane	8.46	129	106637	11.244	ug/l		97
56) 1,2-Dibromoethane	8.57	107	86350	11.390	ug/l		99
58) Tetrachloroethene	8.21	164	106745	10.950	ug/l		97
59) Chlorobenzene	9.10	112	302929	11.197	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.19	131	109826	11.016	ug/l		98
61) Pentachloroethane	11.09	117	86727	11.067	ug/l		96
62) Hexachloroethane	12.13	117	87155	11.453	ug/l		97
63) Ethyl Benzene	9.23	91	546289	12.349	ug/l		100
64) m/p-Xylenes	9.36	106	427563	24.734	ug/l		99
65) o-Xylene	9.76	106	200151	11.911	ug/l		97
66) Styrene	9.77	104	353691	12.469	ug/l		100
67) Bromoform	9.94	173	62341	11.561	ug/l		97
69) Isopropylbenzene	10.15	105	546308	12.505	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.44	83	117555	10.537	ug/l		99
71) 1,2,3-Trichloropropane	10.48	75	83276m	9.961	ug/l		
72) Bromobenzene	10.44	156	131717	11.624	ug/l		98
73) n-propylbenzene	10.57	120	151105	12.211	ug/l		100
74) 2-Chlorotoluene	10.64	126	129751	11.618	ug/l		100
75) 1,3,5-Trimethylbenzene	10.76	105	487759	12.898	ug/l		98
76) 4-Chlorotoluene	10.76	126	136190	11.944	ug/l		95
77) tert-Butylbenzene	11.08	119	443948	12.193	ug/l		99
78) 1,2,4-Trimethylbenzene	11.13	105	491612	12.722	ug/l		100
79) sec-Butylbenzene	11.31	105	563741	11.281	ug/l		100
80) Nitrobenzene	12.85	77	4132	12.054	ug/l	#	80
81) p-Isopropyltoluene	11.46	119	518470	12.758	ug/l		99
82) 1,3-Dichlorobenzene	11.40	146	264136	11.296	ug/l		99
83) 1,4-Dichlorobenzene	11.49	146	271075	11.514	ug/l		99
84) n-Butylbenzene	11.87	91	504965	12.468	ug/l		99
85) 1,2-Dichlorobenzene	11.86	146	249174	11.140	ug/l		99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	21114	11.949	ug/l		96
87) 1,2,4-Trichlorobenzene	13.49	180	180249	13.089	ug/l		100
88) Hexachlorobutadiene	13.68	225	95503	12.005	ug/l		98
89) Naphthalene	13.73	128	350797	11.229	ug/l		100
90) 1,2,3-Trichlorobenzene	13.97	180	169426	12.880	ug/l		99

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

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