Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082018\
Data File : VU026205.D
Acq On : 20 Aug 2018 13:36
Operator : MD/SY
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 08:12:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U082018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Aug 20 13:35:41 2018
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : ICVVU082018

Manual Integrations APPROVED
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8/21/2018 11:34:27 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	36846	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	14426	1.09	ug/l		0.00
Spiked Amount 1.000			Recovery =	109.00%			
68) 1,2-Dichlorobenzene-d4	11.86	152	15720	1.02	ug/l		0.00
Spiked Amount 1.000			Recovery =	102.00%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	103102	7.19	ug/l		96
3) Chloromethane	1.33	50	106778	8.73	ug/l		98
4) Vinyl Chloride	1.40	62	112302	9.18	ug/l		99
5) Bromomethane	1.63	94	69299	10.30	ug/l		99
6) Chloroethane	1.70	64	65451	8.93	ug/l		99
7) Trichlorofluoromethane	1.89	101	168605	9.33	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	93063	9.29	ug/l		99
9) 1,1-Dichloroethene	2.29	96	85564	10.00	ug/l		99
10) Iodomethane	2.41	142	146154	10.87	ug/l		93
11) Allyl Chloride	2.60	41	144094	10.01	ug/l		87
12) Acrylonitrile	2.94	53	93087	47.98	ug/l		98
13) Acetone	2.32	43	139404	95.08	ug/l		98
14) Carbon Disulfide	2.48	76	290130	9.81	ug/l		100
15) Methylene Chloride	2.70	84	93412	10.45	ug/l		95
16) trans-1,2-Dichloroethene	2.98	96	96283	9.72	ug/l		94
17) 1,1-Dichloroethane	3.45	63	176264	9.73	ug/l		98
18) 2-Butanone	4.28	43	201234	72.46	ug/l		99
19) Cyclohexane	5.00	56	146608	11.01	ug/l		86
20) Methylcyclohexane	6.42	83	176218	11.30	ug/l		95
21) 2,2-Dichloropropane	4.23	77	182350	9.79	ug/l		100
22) cis-1,2-Dichloroethene	4.23	96	118400	9.85	ug/l		92
23) Diethyl Ether	2.10	59	63270	9.66	ug/l		97
24) tert-Butyl Alcohol	2.83	59	30298	45.18	ug/l	#	81
25) Methyl tert-Butyl Ether	3.01	73	221933	9.95	ug/l		97
26) Bromochloromethane	4.55	128	52083	9.69	ug/l		82
27) Chloroform	4.68	83	203495	9.71	ug/l		98
28) 1,1,1-Trichloroethane	4.92	97	189215	10.16	ug/l		98
29) 1,1-Dichloropropene	5.14	75	154618	10.53	ug/l		97
30) Carbon Tetrachloride	5.14	117	176868	10.07	ug/l		96
31) Isopropyl Ether	3.58	45	317858	10.65	ug/l	#	1
34) Propionitrile	4.34	54	81276	102.76	ug/l	#	92
35) Benzene	5.39	78	438868	10.34	ug/l		99
36) 1,2-Dichloroethane	5.41	62	130730	9.93	ug/l		98
37) Trichloroethene	6.19	130	119973	10.04	ug/l		99
38) 1,2-Dichloropropane	6.44	63	112172	10.20	ug/l		97
39) Methacrylonitrile	4.55	41	35067	10.50	ug/l		90
40) Methyl acrylate	4.43	55	53869	10.64	ug/l	#	91
41) Tetrahydrofuran	4.65	42	89077	47.97	ug/l		93
42) 1-Chlorobutane	5.07	56	212685	10.70	ug/l		97
43) Dibromomethane	6.56	93	57625	9.86	ug/l		97
44) Bromodichloromethane	6.76	83	151605	10.05	ug/l		97

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U082018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.47	43	407696	68.84	ug/l		97
46) t-1,4-Dichloro-2-butene	10.51	75	31105m	10.64	ug/l		
47) Methyl methacrylate	6.63	69	49846	11.17	ug/l		96
48) Ethyl methacrylate	8.02	69	95443	11.68	ug/l		99
49) Toluene	7.64	92	278061	11.47	ug/l		99
50) t-1,3-Dichloropropene	7.88	75	145450	11.30	ug/l		99
51) cis-1,3-Dichloropropene	7.27	75	162987	10.92	ug/l		98
52) 1,1,2-Trichloroethane	8.07	97	81973	10.34	ug/l		95
53) 1,3-Dichloropropane	8.25	76	138031	10.49	ug/l		100
54) 2-Hexanone	8.37	43	310011	73.53	ug/l		97
55) Dibromochloromethane	8.48	129	107390	10.14	ug/l		100
56) 1,2-Dibromoethane	8.59	107	80583	10.45	ug/l		99
58) Tetrachloroethene	8.23	164	115411	10.22	ug/l		99
59) Chlorobenzene	9.12	112	308550	10.99	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.21	131	115730	10.33	ug/l		98
61) Pentachloroethane	11.10	117	96338	10.08	ug/l		95
62) Hexachloroethane	12.15	117	98741	10.36	ug/l		98
63) Ethyl Benzene	9.25	91	529573	11.88	ug/l		99
64) m/p-Xylenes	9.38	106	434323	24.42	ug/l		96
65) o-Xylene	9.78	106	198436	11.70	ug/l		100
66) Styrene	9.79	104	344064	11.85	ug/l		99
67) Bromoform	9.96	173	65037	10.42	ug/l		99
69) Isopropylbenzene	10.17	105	554561	12.37	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.46	83	101183	10.18	ug/l		98
71) 1,2,3-Trichloropropane	10.50	75	75834m	10.66	ug/l		
72) Bromobenzene	10.45	156	139288	11.10	ug/l		95
73) n-propylbenzene	10.59	120	158093	12.06	ug/l		93
74) 2-Chlorotoluene	10.66	126	133400	11.28	ug/l		91
75) 1,3,5-Trimethylbenzene	10.77	105	483294	12.13	ug/l		99
76) 4-Chlorotoluene	10.77	126	147116	12.10	ug/l		93
77) tert-Butylbenzene	11.10	119	463966	11.69	ug/l		98
78) 1,2,4-Trimethylbenzene	11.15	105	499762	12.12	ug/l		100
79) sec-Butylbenzene	11.33	105	595829	11.46	ug/l		98
80) Nitrobenzene	12.86	77	5810	13.38	ug/l	#	95
81) p-Isopropyltoluene	11.48	119	537000	12.21	ug/l		99
82) 1,3-Dichlorobenzene	11.42	146	285457	10.80	ug/l		99
83) 1,4-Dichlorobenzene	11.51	146	284610	10.79	ug/l		98
84) n-Butylbenzene	11.89	91	513015	12.05	ug/l		99
85) 1,2-Dichlorobenzene	11.88	146	258363	10.65	ug/l		99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	18511	10.58	ug/l		98
87) 1,2,4-Trichlorobenzene	13.50	180	206834	12.12	ug/l		99
88) Hexachlorobutadiene	13.69	225	115500	11.06	ug/l		98
89) Naphthalene	13.74	128	339490	12.63	ug/l		100
90) 1,2,3-Trichlorobenzene	13.99	180	183693	11.43	ug/l		99

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

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