Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082018\
Data File : VU026217.D
Acq On : 20 Aug 2018 19:10
Operator : MD/SY
Sample : VU0820WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VU0820WBSD01

Manual Integrations APPROVED
MMDadoda
8/21/2018 11:34:28 AM

Quant Time: Aug 21 08:50:20 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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.75	96	31253	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	11473	1.02	ug/l		0.00
Spiked Amount 1.000			Recovery = 102.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	12994	0.99	ug/l		0.00
Spiked Amount 1.000			Recovery = 99.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	25798	2.12	ug/l		98
3) Chloromethane	1.33	50	21647	2.09	ug/l		98
4) Vinyl Chloride	1.40	62	22171	2.14	ug/l		97
5) Bromomethane	1.63	94	15909	2.79	ug/l		96
6) Chloroethane	1.70	64	12894	2.07	ug/l		95
7) Trichlorofluoromethane	1.89	101	32520	2.12	ug/l		100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17990	2.12	ug/l		99
9) 1,1-Dichloroethene	2.29	96	15093	2.08	ug/l		96
10) Iodomethane	2.41	142	17434	1.73	ug/l		95
11) Allyl Chloride	2.60	41	27325	2.24	ug/l		86
12) Acrylonitrile	2.94	53	7151	4.35	ug/l		96
13) Acetone	2.32	43	15738	10.79	ug/l		100
14) Carbon Disulfide	2.48	76	52369	2.09	ug/l		99
15) Methylene Chloride	2.70	84	18185	2.04	ug/l		94
16) trans-1,2-Dichloroethene	2.98	96	18005	2.14	ug/l		89
17) 1,1-Dichloroethane	3.45	63	36579	2.38	ug/l		98
18) 2-Butanone	4.28	43	25621	10.88	ug/l		96
19) Cyclohexane	4.99	56	22212	1.97	ug/l	#	84
20) Methylcyclohexane	6.42	83	24759	1.87	ug/l		97
21) 2,2-Dichloropropane	4.23	77	32099	2.03	ug/l		99
22) cis-1,2-Dichloroethene	4.23	96	20475	2.01	ug/l		96
23) Diethyl Ether	2.10	59	11972	2.15	ug/l		98
24) tert-Butyl Alcohol	2.84	59	12028	21.15	ug/l	#	96
25) Methyl tert-Butyl Ether	3.00	73	41237	2.18	ug/l		94
26) Bromochloromethane	4.55	128	9323	2.05	ug/l		85
27) Chloroform	4.68	83	39206	2.21	ug/l		99
28) 1,1,1-Trichloroethane	4.92	97	34622	2.19	ug/l		96
29) 1,1-Dichloropropene	5.14	75	25156	2.02	ug/l		98
30) Carbon Tetrachloride	5.13	117	31529	2.12	ug/l		93
31) Isopropyl Ether	3.58	45	52820	2.09	ug/l		89
32) Ethyl-t-butyl ether	4.08	59	44873	2.02	ug/l		96
33) Tert-Amyl methyl ether	5.59	73	37844	2.00	ug/l		98
34) Propionitrile	4.34	54	7566	11.28	ug/l	#	95
35) Benzene	5.39	78	75709	2.10	ug/l		99
36) 1,2-Dichloroethane	5.41	62	24854	2.23	ug/l		96
37) Trichloroethene	6.19	130	20374	2.01	ug/l		96
38) 1,2-Dichloropropane	6.44	63	20176	2.16	ug/l		99
39) Methacrylonitrile	4.55	41	5788	2.04	ug/l		89
40) Methyl acrylate	4.43	55	9137	2.13	ug/l	#	94
41) Tetrahydrofuran	4.66	42	5991	3.80	ug/l		93
42) 1-Chlorobutane	5.07	56	35614	2.11	ug/l		99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.56	93	10898	2.20	ug/l		97
44) Bromodichloromethane	6.76	83	27575	2.16	ug/l		92
45) 4-Methyl-2-Pentanone	7.47	43	51759	10.30	ug/l		98
46) t-1,4-Dichloro-2-butene	10.52	75	7968m	3.56	ug/l		
47) Methyl methacrylate	6.63	69	15341	4.05	ug/l	#	94
48) Ethyl methacrylate	8.02	69	14002	2.02	ug/l		98
49) Toluene	7.64	92	41424	2.01	ug/l		91
50) t-1,3-Dichloropropene	7.89	75	22405	2.05	ug/l		99
51) cis-1,3-Dichloropropene	7.27	75	25321	2.00	ug/l		98
52) 1,1,2-Trichloroethane	8.07	97	14443	2.15	ug/l		99
53) 1,3-Dichloropropane	8.25	76	24663	2.21	ug/l		100
54) 2-Hexanone	8.37	43	35776	10.00	ug/l		96
55) Dibromochloromethane	8.48	129	19243	2.14	ug/l		99
56) 1,2-Dibromoethane	8.59	107	13653	2.09	ug/l		100
58) Tetrachloroethene	8.23	164	19464	2.03	ug/l		98
59) Chlorobenzene	9.12	112	48548	2.04	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.21	131	21104	2.22	ug/l		99
61) Pentachloroethane	11.10	117	17344	2.14	ug/l		95
62) Hexachloroethane	12.15	117	16745	2.07	ug/l		99
63) Ethyl Benzene	9.25	91	73394	1.94	ug/l		100
64) m/p-Xylenes	9.38	106	60034	3.98	ug/l		98
65) o-Xylene	9.78	106	28401	1.97	ug/l		100
66) Styrene	9.80	104	49023	1.99	ug/l		99
67) Bromoform	9.96	173	11471	2.17	ug/l	#	96
69) Isopropylbenzene	10.17	105	76597	2.01	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.46	83	18279	2.17	ug/l		99
71) 1,2,3-Trichloropropane	10.50	75	13293m	2.20	ug/l		
72) Bromobenzene	10.45	156	21383	2.01	ug/l		97
73) n-propylbenzene	10.59	120	22233	2.00	ug/l		94
74) 2-Chlorotoluene	10.66	126	20910	2.08	ug/l		89
75) 1,3,5-Trimethylbenzene	10.77	105	68910	2.04	ug/l		99
76) 4-Chlorotoluene	10.77	126	22284	2.16	ug/l		91
77) tert-Butylbenzene	11.10	119	66843	1.99	ug/l		98
78) 1,2,4-Trimethylbenzene	11.15	105	70368	2.01	ug/l		100
79) sec-Butylbenzene	11.33	105	88578	2.01	ug/l		97
80) Nitrobenzene	12.86	77	3512	9.53	ug/l		98
81) p-Isopropyltoluene	11.48	119	72425	1.94	ug/l		97
82) 1,3-Dichlorobenzene	11.42	146	47504	2.12	ug/l		100
83) 1,4-Dichlorobenzene	11.51	146	46875	2.09	ug/l		100
84) n-Butylbenzene	11.89	91	70775	1.96	ug/l		97
85) 1,2-Dichlorobenzene	11.88	146	42757	2.08	ug/l		100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2894	1.95	ug/l		92
87) 1,2,4-Trichlorobenzene	13.51	180	27340	1.89	ug/l		100
88) Hexachlorobutadiene	13.69	225	18475	2.09	ug/l		93
89) Naphthalene	13.74	128	41018	1.80	ug/l		99
90) 1,2,3-Trichlorobenzene	13.99	180	27002	1.98	ug/l		98

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

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