Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082018\
Data File : VU026200.D
Acq On : 20 Aug 2018 11:36
Operator : MD/SY
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 20 13:16:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U082018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Aug 20 13:08:29 2018
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VSTDICC001

Manual Integrations APPROVED
MMDadoda
8/21/2018 11:34:23 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.75	96	31532	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	10303	0.88	ug/l		0.00
Spiked Amount 1.000			Recovery = 88.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	13334	1.03	ug/l		0.00
Spiked Amount 1.000			Recovery = 103.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	13149	1.17	ug/l		97
3) Chloromethane	1.33	50	11553	1.09	ug/l		99
4) Vinyl Chloride	1.40	62	10928	1.11	ug/l		99
5) Bromomethane	1.63	94	6230	1.30	ug/l		93
6) Chloroethane	1.70	64	6662	1.13	ug/l		93
7) Trichlorofluoromethane	1.89	101	16309	1.14	ug/l		89
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	9499	1.21	ug/l		98
9) 1,1-Dichloroethene	2.29	96	7785	1.12	ug/l		96
10) Iodomethane	2.42	142	9372	2.11	ug/l		92
11) Allyl Chloride	2.59	41	12720m	1.09	ug/l		
12) Acrylonitrile	2.94	53	3567	2.33	ug/l		93
13) Acetone	2.32	43	8544	6.41	ug/l		99
14) Carbon Disulfide	2.48	76	27124	1.14	ug/l		99
15) Methylene Chloride	2.71	84	9731	1.17	ug/l		92
16) trans-1,2-Dichloroethene	2.98	96	9023	1.16	ug/l		94
17) 1,1-Dichloroethane	3.45	63	16640	1.08	ug/l		97
18) 2-Butanone	4.28	43	12150	5.25	ug/l		95
19) Cyclohexane	5.00	56	11371	0.95	ug/l		89
20) Methylcyclohexane	6.42	83	12866	0.88	ug/l		97
21) 2,2-Dichloropropane	4.23	77	17254	1.17	ug/l		97
22) cis-1,2-Dichloroethene	4.23	96	10897	1.11	ug/l		93
23) Diethyl Ether	2.11	59	5998	1.14	ug/l		99
24) tert-Butyl Alcohol	2.83	59	6578	10.64	ug/l	#	90
25) Methyl tert-Butyl Ether	3.01	73	19693	1.05	ug/l		95
26) Bromochloromethane	4.55	128	4687	1.08	ug/l		85
27) Chloroform	4.68	83	19096	1.12	ug/l		99
28) 1,1,1-Trichloroethane	4.92	97	16917	1.10	ug/l		97
29) 1,1-Dichloropropene	5.14	75	12855	1.02	ug/l		98
30) Carbon Tetrachloride	5.14	117	16019	1.15	ug/l		96
31) Isopropyl Ether	3.58	45	25912	1.05	ug/l		90
32) Ethyl-t-butyl ether	4.08	59	22017	0.94	ug/l		90
33) Tert-Amyl methyl ether	5.59	73	18178	0.87	ug/l		96
34) Propionitrile	4.34	54	3579m	5.57	ug/l		
35) Benzene	5.39	78	36819	1.05	ug/l		99
36) 1,2-Dichloroethane	5.41	62	11878	1.10	ug/l		95
37) Trichloroethene	6.19	130	10361	1.00	ug/l		92
38) 1,2-Dichloropropane	6.44	63	10216	1.12	ug/l		100
39) Methacrylonitrile	4.55	41	2949	1.00	ug/l		89
40) Methyl acrylate	4.43	55	4468	1.00	ug/l	#	94
41) Tetrahydrofuran	4.66	42	3487	1.99	ug/l		96
42) 1-Chlorobutane	5.07	56	17081	1.00	ug/l		98

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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	5346	1.12	ug/l		95
44) Bromodichloromethane	6.76	83	13461	1.12	ug/l		99
45) 4-Methyl-2-Pentanone	7.47	43	23959	4.51	ug/l		99
46) t-1,4-Dichloro-2-butene	10.52	75	4285m	3.26	ug/l		
47) Methyl methacrylate	6.63	69	6807	1.71	ug/l	#	89
48) Ethyl methacrylate	8.02	69	6003	0.75	ug/l		93
49) Toluene	7.64	92	19171	0.89	ug/l		92
50) t-1,3-Dichloropropene	7.89	75	10731	0.99	ug/l		95
51) cis-1,3-Dichloropropene	7.27	75	12960	0.99	ug/l		95
52) 1,1,2-Trichloroethane	8.07	97	7141	1.12	ug/l		97
53) 1,3-Dichloropropane	8.25	76	11076	1.03	ug/l		100
54) 2-Hexanone	8.37	43	17320	4.62	ug/l		95
55) Dibromochloromethane	8.48	129	9708	1.20	ug/l		93
56) 1,2-Dibromoethane	8.59	107	6862	1.11	ug/l		95
58) Tetrachloroethene	8.23	164	9922	1.07	ug/l		92
59) Chlorobenzene	9.12	112	24044	0.97	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.21	131	9938	1.08	ug/l		99
61) Pentachloroethane	11.10	117	8674	1.24	ug/l		95
62) Hexachloroethane	12.15	117	7951	1.11	ug/l		97
63) Ethyl Benzene	9.25	91	34725	0.85	ug/l		98
64) m/p-Xylenes	9.38	106	26522	1.64	ug/l		100
65) o-Xylene	9.78	106	12833	0.83	ug/l		100
66) Styrene	9.80	104	22043	0.84	ug/l		98
67) Bromoform	9.96	173	5748	1.20	ug/l	#	97
69) Isopropylbenzene	10.17	105	34361	0.83	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.46	83	8943	1.12	ug/l		95
71) 1,2,3-Trichloropropane	10.50	75	6604m	1.06	ug/l		
72) Bromobenzene	10.45	156	10002	0.93	ug/l		95
73) n-propylbenzene	10.59	120	9570	0.82	ug/l		96
74) 2-Chlorotoluene	10.66	126	9294	0.90	ug/l		94
75) 1,3,5-Trimethylbenzene	10.77	105	29671	0.82	ug/l		100
76) 4-Chlorotoluene	10.77	126	9613	0.89	ug/l		89
77) tert-Butylbenzene	11.10	119	30297	0.85	ug/l		97
78) 1,2,4-Trimethylbenzene	11.15	105	29383	0.79	ug/l		100
79) sec-Butylbenzene	11.33	105	38881	0.83	ug/l		98
80) Nitrobenzene	12.86	77	1625	6.66	ug/l	#	41
81) p-Isopropyltoluene	11.48	119	32147	0.81	ug/l		97
82) 1,3-Dichlorobenzene	11.42	146	22295	1.00	ug/l		97
83) 1,4-Dichlorobenzene	11.51	146	22303	1.03	ug/l		98
84) n-Butylbenzene	11.89	91	31445	0.84	ug/l		97
85) 1,2-Dichlorobenzene	11.88	146	20238	1.00	ug/l		96
86) 1,2-Dibromo-3-Chloropropan	12.65	75	1495	1.13	ug/l		95
87) 1,2,4-Trichlorobenzene	13.51	180	14178	1.00	ug/l		97
88) Hexachlorobutadiene	13.70	225	9400	1.08	ug/l		95
89) Naphthalene	13.75	128	20141	0.88	ug/l		99
90) 1,2,3-Trichlorobenzene	13.99	180	13226	1.03	ug/l		97

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

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