Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072419\
Data File : VU033388.D
Acq On : 24 Jul 2019 12:14
Operator : JC/SP
Sample : K3591-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-MDL-WATER-03-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/25/2019 12:13:10 PM

Quant Time: Jul 25 08:04:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 24 03:53:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	5.72	96	25362	1.00 ug/l	0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.30	95	8260	0.83 ug/l	0.00
Spiked Amount 1.000			Recovery = 83.00%		
68) 1,2-Dichlorobenzene-d4	11.85	152	9510	0.93 ug/l	0.00
Spiked Amount 1.000			Recovery = 93.00%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	2900	0.276 ug/l	98
3) Chloromethane	1.33	50	3172	0.274 ug/l	100
4) Vinyl Chloride	1.40	62	3293	0.255 ug/l	98
5) Bromomethane	1.62	94	2865	0.352 ug/l	88
6) Chloroethane	1.69	64	2140	0.236 ug/l	91
7) Trichlorofluoromethane	1.88	101	4318	0.243 ug/l	89
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2287	0.250 ug/l	92
9) 1,1-Dichloroethene	2.27	96	2517	0.279 ug/l	78
11) Allyl Chloride	2.58	41	3999	0.269 ug/l	88
12) Acrylonitrile	2.92	53	1091	0.434 ug/l #	64
13) Acetone	2.31	43	4445	2.071 ug/l	99
14) Carbon Disulfide	2.46	76	9259	0.270 ug/l	97
15) Methylene Chloride	2.68	84	5774	0.475 ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	2784	0.260 ug/l	92
17) 1,1-Dichloroethane	3.42	63	5353	0.373 ug/l #	92
18) 2-Butanone	4.27	43	2296	1.121 ug/l	76
19) Cyclohexane	4.97	56	2355	0.223 ug/l	93
20) Methylcyclohexane	6.39	83	2214	0.209 ug/l	91
21) 2,2-Dichloropropane	4.20	77	3821	0.314 ug/l #	88
22) cis-1,2-Dichloroethene	4.19	96	2077	0.256 ug/l	88
23) Diethyl Ether	2.09	59	2005	0.258 ug/l #	84
24) tert-Butyl Alcohol	2.82	59	4306	3.608 ug/l #	82
25) Methyl tert-Butyl Ether	2.99	73	6249	0.241 ug/l #	86
26) Bromochloromethane	4.53	128	857m	0.240 ug/l	
27) Chloroform	4.65	83	6381	0.389 ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	3276	0.258 ug/l	93
29) 1,1-Dichloropropene	5.12	75	2461	0.235 ug/l	95
30) Carbon Tetrachloride	5.11	117	2838	0.254 ug/l	95
31) Isopropyl Ether	3.56	45	4473	0.246 ug/l	87
32) Ethyl-t-butyl ether	4.05	59	3841	0.220 ug/l #	60
33) Tert-Amyl methyl ether	5.57	73	3189	0.203 ug/l #	81
34) Propionitrile	4.33	54	528m	0.898 ug/l	
35) Benzene	5.37	78	7123	0.235 ug/l	98
36) 1,2-Dichloroethane	5.39	62	2282	0.226 ug/l #	87
37) Trichloroethene	6.17	130	1942	0.243 ug/l	99
38) 1,2-Dichloropropane	6.42	63	1847	0.221 ug/l #	88
41) Tetrahydrofuran	4.64	42	306m	0.262 ug/l	
42) 1-Chlorobutane	5.04	56	3214	0.229 ug/l	92
43) Dibromomethane	6.54	93	1032	0.223 ug/l	96
44) Bromodichloromethane	6.74	83	2610	0.234 ug/l	99
45) 4-Methyl-2-Pentanone	7.45	43	4689	0.994 ug/l #	84

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Quant Time: Jul 25 08:04:24 2019
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 24 03:53:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.50	75	661m	0.347 ug/l		
47) Methyl methacrylate	6.61	69	1016	0.288 ug/l	#	75
49) Toluene	7.62	92	3481	0.201 ug/l		99
51) cis-1,3-Dichloropropene	7.26	75	2281	0.208 ug/l		97
52) 1,1,2-Trichloroethane	8.05	97	1417	0.229 ug/l		88
53) 1,3-Dichloropropane	8.23	76	2160	0.207 ug/l		97
54) 2-Hexanone	8.36	43	2814	0.847 ug/l		81
55) Dibromochloromethane	8.46	129	1571	0.218 ug/l		97
56) 1,2-Dibromoethane	8.58	107	1196	0.208 ug/l		100
58) Tetrachloroethene	8.21	164	1756	0.242 ug/l		93
59) Chlorobenzene	9.11	112	4617	0.232 ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.19	131	1837	0.243 ug/l		96
61) Pentachloroethane	11.08	117	1747	0.282 ug/l		92
62) Hexachloroethane	12.13	117	1490	0.248 ug/l		96
64) m/p-Xylenes	9.36	106	4525	0.354 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.44	83	1718	0.210 ug/l	#	95
71) 1,2,3-Trichloropropane	10.49	75	1454m	0.230 ug/l		
72) Bromobenzene	10.45	156	1788	0.216 ug/l		97
82) 1,3-Dichlorobenzene	11.40	146	3861	0.219 ug/l		90
85) 1,2-Dichlorobenzene	11.86	146	3493	0.211 ug/l		98
88) Hexachlorobutadiene	13.68	225	1602	0.264 ug/l		95

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

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