Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073020\
Data File : VU039719.D
Acq On : 30 Jul 2020 12:53
Operator : SY/MD
Sample : L3216-09 0.25PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2020

Manual Integrations APPROVED
MMDadoda
8/12/2020 6:35:12 PM

Quant Time: Jul 31 06:42:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 13:49:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.13	96	20929	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	6338	0.77	ug/l		0.00
Spiked Amount 1.000			Recovery = 77.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	6419	0.80	ug/l		0.00
Spiked Amount 1.000			Recovery = 80.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	1936	0.266	ug/l		87
3) Chloromethane	1.53	50	3243	0.359	ug/l		100
4) Vinyl Chloride	1.61	62	2437	0.293	ug/l		96
5) Bromomethane	1.86	94	1849	0.325	ug/l	#	80
6) Chloroethane	1.94	64	2351	0.407	ug/l		97
7) Trichlorofluoromethane	2.15	101	2877	0.261	ug/l		92
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1758	0.278	ug/l		91
9) 1,1-Dichloroethene	2.59	96	1676	0.288	ug/l		93
10) Iodomethane	2.73	142	1937	0.330	ug/l		94
11) Allyl Chloride	2.94	41	3647	0.291	ug/l		98
12) Acrylonitrile	3.34	53	1169	0.573	ug/l	#	78
13) Acetone	2.66	43	3996	2.081	ug/l		98
14) Carbon Disulfide	2.81	76	5491	0.257	ug/l	#	91
15) Methylene Chloride	3.06	84	3833	0.473	ug/l		96
16) trans-1,2-Dichloroethene	3.37	96	1727	0.261	ug/l		92
17) 1,1-Dichloroethane	3.89	63	3891	0.268	ug/l	#	85
18) 2-Butanone	4.75	43	4258m	1.318	ug/l		
19) Cyclohexane	5.40	56	3280	0.233	ug/l		92
20) Methylcyclohexane	6.77	83	2435	0.234	ug/l		94
21) 2,2-Dichloropropane	4.69	77	3953	0.334	ug/l		93
22) cis-1,2-Dichloroethene	4.69	96	1843	0.259	ug/l		84
23) Diethyl Ether	2.39	59	2552	0.429	ug/l		92
24) tert-Butyl Alcohol	3.20	59	2256m	2.130	ug/l		
25) Methyl tert-Butyl Ether	3.38	73	4982	0.263	ug/l	#	81
26) Bromochloromethane	5.00	128	771	0.264	ug/l	#	71
27) Chloroform	5.11	83	3541	0.261	ug/l		96
28) 1,1,1-Trichloroethane	5.33	97	2950	0.268	ug/l		92
29) 1,1-Dichloropropene	5.54	75	2901	0.274	ug/l		91
30) Carbon Tetrachloride	5.54	117	2307	0.257	ug/l		89
31) Isopropyl Ether	4.02	45	7509	0.284	ug/l		96
32) Ethyl-t-butyl ether	4.53	59	5945	0.264	ug/l		99
33) Tert-Amyl methyl ether	5.97	73	4669	0.287	ug/l	#	95
34) Propionitrile	4.83	54	1120m	1.406	ug/l		
35) Benzene	5.78	78	7676	0.293	ug/l		97
36) 1,2-Dichloroethane	5.81	62	3140	0.320	ug/l	#	88
37) Trichloroethene	6.55	130	1518	0.253	ug/l		95
38) 1,2-Dichloropropane	6.80	63	1665	0.231	ug/l		96
39) Methacrylonitrile	5.00	41	1403	0.334	ug/l	#	70
40) Methyl acrylate	4.88	55	1728	0.319	ug/l	#	84
41) Tetrahydrofuran	5.09	42	1564	0.740	ug/l	#	71
42) 1-Chlorobutane	5.47	56	4302	0.259	ug/l		84

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 13:49:19 2020
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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Dibromomethane	6.93	93	1062	0.273 ug/l #	78
44) Bromodichloromethane	7.12	83	2275	0.255 ug/l #	94
45) 4-Methyl-2-Pentanone	7.81	43	7242	1.231 ug/l	97
46) t-1,4-Dichloro-2-butene	10.83	75	948m	0.542 ug/l	
47) Methyl methacrylate	6.98	69	1615	0.446 ug/l	92
48) Ethyl methacrylate	8.34	69	1434	0.215 ug/l	95
49) Toluene	7.98	92	3191	0.205 ug/l	89
50) t-1,3-Dichloropropene	8.22	75	1638	0.204 ug/l #	80
51) cis-1,3-Dichloropropene	7.62	75	2008	0.213 ug/l	95
52) 1,1,2-Trichloroethane	8.41	97	1320	0.262 ug/l	92
53) 1,3-Dichloropropane	8.58	76	2435	0.251 ug/l	96
54) 2-Hexanone	8.70	43	5194	1.233 ug/l	91
55) Dibromochloromethane	8.82	129	1114	0.206 ug/l	89
56) 1,2-Dibromoethane	8.93	107	1150	0.237 ug/l	93
58) Tetrachloroethene	8.56	164	1314	0.251 ug/l	92
59) Chlorobenzene	9.45	112	3700	0.230 ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.54	131	1174	0.216 ug/l #	83
61) Pentachloroethane	11.43	117	1114	0.233 ug/l	90
62) Hexachloroethane	12.47	117	876	0.200 ug/l #	83
63) Ethyl Benzene	9.57	91	5867	0.203 ug/l	89
64) m/p-Xylenes	9.70	106	4215	0.373 ug/l	99
69) Isopropylbenzene	10.48	105	6012	0.210 ug/l	90
70) 1,1,2,2-Tetrachloroethane	10.78	83	1851	0.255 ug/l #	94
71) 1,2,3-Trichloropropane	10.83	75	1117m	0.204 ug/l	
72) Bromobenzene	10.78	156	1358	0.209 ug/l	89
75) 1,3,5-Trimethylbenzene	11.09	105	4956	0.200 ug/l	95
82) 1,3-Dichlorobenzene	11.74	146	3139	0.224 ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	2980	0.212 ug/l	96
85) 1,2-Dichlorobenzene	12.20	146	2819	0.209 ug/l	91
87) 1,2,4-Trichlorobenzene	13.83	180	1691	0.201 ug/l	92
88) Hexachlorobutadiene	14.01	225	1009	0.263 ug/l #	87
90) 1,2,3-Trichlorobenzene	14.32	180	1834	0.230 ug/l	91

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

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