Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072920\
Data File : VU039711.D
Acq On : 29 Jul 2020 18:54
Operator : SY/MD
Sample : L3216-07 0.25PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Manual Integrations APPROVED
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7/31/2020 3:42:04 PM

Quant Time: Jul 31 14:06:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 31 14:03:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.13	96	20138	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	6366	0.81	ug/l		0.00
Spiked Amount 1.000			Recovery = 81.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	6211	0.81	ug/l		0.00
Spiked Amount 1.000			Recovery = 81.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	1709	0.244	ug/l		93
3) Chloromethane	1.53	50	3334	0.384	ug/l		93
4) Vinyl Chloride	1.61	62	1919	0.240	ug/l	#	88
5) Bromomethane	1.86	94	1852	0.338	ug/l		83
6) Chloroethane	1.94	64	2045	0.368	ug/l		96
7) Trichlorofluoromethane	2.15	101	2890	0.273	ug/l		96
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1465	0.241	ug/l		91
9) 1,1-Dichloroethene	2.59	96	1622	0.290	ug/l		76
10) Iodomethane	2.73	142	1683	0.298	ug/l		95
11) Allyl Chloride	2.94	41	3483	0.289	ug/l		96
12) Acrylonitrile	3.34	53	1359	0.692	ug/l	#	83
13) Acetone	2.66	43	3163	1.712	ug/l		93
14) Carbon Disulfide	2.80	76	5241	0.255	ug/l	#	93
15) Methylene Chloride	3.06	84	3102	0.398	ug/l		92
16) trans-1,2-Dichloroethene	3.36	96	1723	0.271	ug/l		93
17) 1,1-Dichloroethane	3.88	63	3635	0.260	ug/l	#	87
18) 2-Butanone	4.75	43	5709m	1.837	ug/l		
19) Cyclohexane	5.40	56	3609m	0.267	ug/l		
21) 2,2-Dichloropropane	4.68	77	3505	0.308	ug/l	#	85
22) cis-1,2-Dichloroethene	4.69	96	1617	0.236	ug/l		65
23) Diethyl Ether	2.39	59	1611	0.282	ug/l	#	80
24) tert-Butyl Alcohol	3.21	59	2783m	2.731	ug/l		
25) Methyl tert-Butyl Ether	3.39	73	4811	0.264	ug/l		91
26) Bromochloromethane	4.99	128	756	0.269	ug/l		95
27) Chloroform	5.11	83	3703	0.283	ug/l		99
28) 1,1,1-Trichloroethane	5.33	97	2523	0.239	ug/l		91
29) 1,1-Dichloropropene	5.54	75	2662	0.261	ug/l		92
30) Carbon Tetrachloride	5.53	117	2010	0.232	ug/l		96
31) Isopropyl Ether	4.03	45	7196	0.282	ug/l		95
32) Ethyl-t-butyl ether	4.53	59	5483	0.253	ug/l		97
33) Tert-Amyl methyl ether	5.97	73	3524	0.225	ug/l	#	83
34) Propionitrile	4.83	54	984	1.284	ug/l	#	84
35) Benzene	5.78	78	6581	0.261	ug/l	#	85
36) 1,2-Dichloroethane	5.81	62	2609	0.276	ug/l	#	90
37) Trichloroethene	6.55	130	1476	0.256	ug/l		93
38) 1,2-Dichloropropane	6.81	63	1641	0.236	ug/l		98
39) Methacrylonitrile	5.01	41	1316	0.326	ug/l	#	73
40) Methyl acrylate	4.88	55	1717	0.330	ug/l	#	80
41) Tetrahydrofuran	5.10	42	1504	0.740	ug/l	#	77
42) 1-Chlorobutane	5.48	56	4218	0.264	ug/l		80
43) Dibromomethane	6.93	93	814	0.218	ug/l		88

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) Bromodichloromethane	7.11	83	1998	0.233 ug/l	#	94
45) 4-Methyl-2-Pentanone	7.82	43	6297	1.112 ug/l		95
46) t-1,4-Dichloro-2-butene	10.83	75	784m	0.466 ug/l		
47) Methyl methacrylate	6.98	69	1525	0.438 ug/l		91
49) Toluene	7.98	92	3139	0.209 ug/l		96
50) t-1,3-Dichloropropene	8.22	75	1558	0.202 ug/l		95
51) cis-1,3-Dichloropropene	7.62	75	1817	0.200 ug/l		92
52) 1,1,2-Trichloroethane	8.41	97	1167	0.240 ug/l	#	90
53) 1,3-Dichloropropane	8.59	76	2048	0.220 ug/l		92
54) 2-Hexanone	8.70	43	4374	1.079 ug/l		98
56) 1,2-Dibromoethane	8.93	107	1123	0.240 ug/l		97
58) Tetrachloroethene	8.56	164	1104	0.219 ug/l		92
59) Chlorobenzene	9.45	112	3510	0.226 ug/l	#	87
60) 1,1,1,2-Tetrachloroethane	9.54	131	1076	0.206 ug/l		94
64) m/p-Xylenes	9.69	106	3694	0.340 ug/l		89
65) o-Xylene	10.10	106	2086	0.202 ug/l		83
70) 1,1,2,2-Tetrachloroethane	10.78	83	1667	0.238 ug/l	#	92
72) Bromobenzene	10.78	156	1314	0.210 ug/l		97
85) 1,2-Dichlorobenzene	12.21	146	2676	0.206 ug/l		97
88) Hexachlorobutadiene	14.01	225	816	0.221 ug/l	#	83
89) Naphthalene	14.08	128	3893	0.224 ug/l	#	92
90) 1,2,3-Trichlorobenzene	14.32	180	1658	0.216 ug/l		99

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

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