Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050520\
Data File : VU038011.D
Acq On : 05 May 2020 12:11
Operator : JC/MD
Sample : L2182-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT2-2020

Manual Integrations APPROVED
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5/6/2020 10:39:14 AM

Quant Time: May 06 01:27:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U050420DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue May 05 02:20:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	86401	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	32668	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	31475	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	6220	0.212	ug/l		93
3) Chloromethane	1.54	50	8742	0.252	ug/l		100
4) Vinyl Chloride	1.62	62	8166	0.236	ug/l		99
5) Bromomethane	1.87	94	4662	0.225	ug/l		92
6) Chloroethane	1.95	64	5369	0.260	ug/l		97
7) Trichlorofluoromethane	2.16	101	8246	0.229	ug/l		100
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5113	0.227	ug/l		95
9) 1,1-Dichloroethene	2.60	96	5134	0.227	ug/l		93
11) Allyl Chloride	2.95	41	9556	0.228	ug/l		97
12) Acrylonitrile	3.35	53	2880	0.467	ug/l	#	52
13) Acetone	2.66	43	7405	1.501	ug/l		90
14) Carbon Disulfide	2.82	76	19822	0.241	ug/l		99
15) Methylene Chloride	3.08	84	18270	0.585	ug/l		95
16) trans-1,2-Dichloroethene	3.39	96	5661	0.229	ug/l		89
17) 1,1-Dichloroethane	3.91	63	10846	0.232	ug/l		96
18) 2-Butanone	4.76	43	7736	1.046	ug/l		100
19) Cyclohexane	5.42	56	9303m	0.205	ug/l		
20) Methylcyclohexane	6.79	83	9573	0.215	ug/l		92
21) 2,2-Dichloropropane	4.71	77	8805	0.225	ug/l		97
22) cis-1,2-Dichloroethene	4.70	96	6212	0.238	ug/l		94
23) Diethyl Ether	2.40	59	5152	0.260	ug/l		95
24) tert-Butyl Alcohol	3.23	59	5721	2.605	ug/l		97
25) Methyl tert-Butyl Ether	3.41	73	13670	0.221	ug/l		97
26) Bromochloromethane	5.01	128	2287	0.218	ug/l		92
27) Chloroform	5.13	83	10625	0.242	ug/l		88
28) 1,1,1-Trichloroethane	5.35	97	8695	0.240	ug/l		91
29) 1,1-Dichloropropene	5.56	75	8689	0.239	ug/l		92
30) Carbon Tetrachloride	5.56	117	6410	0.212	ug/l		96
31) Isopropyl Ether	4.04	45	15447	0.200	ug/l		88
32) Ethyl-t-butyl ether	4.56	59	14619	0.210	ug/l		96
34) Propionitrile	4.83	54	2314	1.092	ug/l	#	91
35) Benzene	5.81	78	22648	0.222	ug/l		95
36) 1,2-Dichloroethane	5.83	62	6916	0.229	ug/l	#	93
37) Trichloroethene	6.57	130	6228	0.233	ug/l		98
38) 1,2-Dichloropropane	6.82	63	6158	0.224	ug/l	#	83
39) Methacrylonitrile	5.02	41	2109	0.213	ug/l	#	46
40) Methyl acrylate	4.89	55	3014	0.206	ug/l	#	82
41) Tetrahydrofuran	5.11	42	2838	0.573	ug/l	#	82
42) 1-Chlorobutane	5.49	56	11554	0.220	ug/l		97
43) Dibromomethane	6.95	93	2564	0.201	ug/l		97
44) Bromodichloromethane	7.13	83	6792	0.212	ug/l	#	97

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.82	43	20128	1.156 ug/l	97
46) t-1,4-Dichloro-2-butene	10.85	75	1949m	0.362 ug/l	
47) Methyl methacrylate	6.99	69	4800	0.369 ug/l #	89
48) Ethyl methacrylate	8.36	69	5070	0.211 ug/l	98
49) Toluene	8.00	92	13538	0.210 ug/l	97
52) 1,1,2-Trichloroethane	8.43	97	3656	0.202 ug/l	95
53) 1,3-Dichloropropane	8.60	76	7791	0.229 ug/l	94
54) 2-Hexanone	8.71	43	13776	1.121 ug/l	99
56) 1,2-Dibromoethane	8.95	107	3468	0.203 ug/l	98
58) Tetrachloroethene	8.58	164	6007	0.240 ug/l	91
59) Chlorobenzene	9.47	112	15056	0.220 ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.56	131	4177	0.201 ug/l	94
63) Ethyl Benzene	9.59	91	24772	0.203 ug/l	99
64) m/p-Xylenes	9.71	106	18504	0.395 ug/l	100
69) Isopropylbenzene	10.50	105	24264	0.203 ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	5373	0.232 ug/l #	96
71) 1,2,3-Trichloropropane	10.84	75	4858m	0.283 ug/l	
74) 2-Chlorotoluene	11.00	126	5891	0.214 ug/l	94
80) Nitrobenzene	13.24	77	806m	1.172 ug/l	
82) 1,3-Dichlorobenzene	11.76	146	13250	0.240 ug/l	95
83) 1,4-Dichlorobenzene	11.85	146	13064	0.234 ug/l	98
84) n-Butylbenzene	12.22	91	21839	0.201 ug/l	94
85) 1,2-Dichlorobenzene	12.23	146	11523	0.224 ug/l	94
86) 1,2-Dibromo-3-Chloropropan	13.02	75	885	0.242 ug/l	84
87) 1,2,4-Trichlorobenzene	13.87	180	8840	0.235 ug/l	95
89) Naphthalene	14.12	128	15920	0.221 ug/l	98
90) 1,2,3-Trichlorobenzene	14.37	180	7788	0.233 ug/l	99

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

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