Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070821\
Data File : VU044330.D
Acq On : 08 Jul 2021 19:03
Operator : SY/MD
Sample : M2940-07 0.25 PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

Manual Integrations APPROVED
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7/13/2021 4:04:50 PM

Quant Time: Jul 09 06:05:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 09 06:04:31 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	24585	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	10037	0.922	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.000%				
68) 1,2-Dichlorobenzene-d4	12.201	152	9769	0.900	ug/l		0.00
Spiked Amount 1.000			Recovery = 90.000%				
Target Compounds							Qvalue
3) Chloromethane	1.527	50	2135	0.260	ug/l		96
4) Vinyl Chloride	1.610	62	1868	0.217	ug/l	#	79
5) Bromomethane	1.864	94	1585	0.309	ug/l		93
6) Chloroethane	1.941	64	1335	0.232	ug/l		99
7) Trichlorofluoromethane	2.147	101	2668	0.204	ug/l	#	79
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	1662	0.221	ug/l		94
9) 1,1-Dichloroethene	2.591	96	1522	0.232	ug/l		81
10) Iodomethane	2.735	142	1625	0.235	ug/l		100
11) Allyl Chloride	2.928	41	2719	0.233	ug/l		96
12) Acrylonitrile	3.327	53	592	0.402	ug/l		95
13) Acetone	2.636	43	1015	1.039	ug/l		96
14) Carbon Disulfide	2.800	76	4079	0.229	ug/l	#	91
15) Methylene Chloride	3.057	84	5764	0.482	ug/l		94
16) trans-1,2-Dichloroethene	3.362	96	1520	0.209	ug/l	#	82
17) 1,1-Dichloroethane	3.874	63	3484m	0.237	ug/l		
18) 2-Butanone	4.739	43	1785	0.931	ug/l		87
19) Cyclohexane	5.391	56	3030	0.258	ug/l		93
21) 2,2-Dichloropropane	4.678	77	4175	0.292	ug/l	#	87
22) cis-1,2-Dichloroethene	4.678	96	1804	0.210	ug/l		89
23) Diethyl Ether	2.388	59	1169	0.213	ug/l	#	83
24) tert-Butyl Alcohol	3.198	59	3850	9.130	ug/l	#	78
25) Methyl tert-Butyl Ether	3.379	73	4556	0.226	ug/l		100
26) Bromochloromethane	4.983	128	765	0.204	ug/l		96
27) Chloroform	5.099	83	4183	0.269	ug/l		98
28) 1,1,1-Trichloroethane	5.327	97	3017	0.220	ug/l		97
29) 1,1-Dichloropropene	5.533	75	2354	0.235	ug/l		93
31) Isopropyl Ether	4.018	45	5953	0.237	ug/l		96
32) Ethyl-t-butyl ether	4.523	59	5474	0.226	ug/l		99
33) Tert-Amyl methyl ether	5.957	73	3978	0.203	ug/l		98
34) Propionitrile	4.806	54	541	1.114	ug/l	#	22
35) Benzene	5.784	78	5973	0.216	ug/l		99
36) 1,2-Dichloroethane	5.806	62	1830	0.202	ug/l	#	76
37) Trichloroethene	6.552	130	1626	0.211	ug/l		96
39) Methacrylonitrile	4.993	41	715	0.237	ug/l	#	76
41) Tetrahydrofuran	5.079	42	802	0.637	ug/l	#	63
42) 1-Chlorobutane	5.465	56	3202	0.231	ug/l		87
43) Dibromomethane	6.928	93	852	0.210	ug/l		89
44) Bromodichloromethane	7.118	83	2167	0.210	ug/l		90
45) 4-Methyl-2-Pentanone	7.812	43	6595	1.135	ug/l	#	87
46) t-1,4-Dichloro-2-butene	10.841	75	1096m	0.482	ug/l		
47) Methyl methacrylate	6.980	69	1575	0.379	ug/l	#	82
48) Ethyl methacrylate	8.353	69	1901	0.214	ug/l		98
52) 1,1,2-Trichloroethane	8.414	97	1223	0.217	ug/l	#	87

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 1,3-Dichloropropane	8.584	76	2217	0.214	ug/l		97
54) 2-Hexanone	8.703	43	3920	0.927	ug/l		96
59) Chlorobenzene	9.455	112	4442	0.216	ug/l		100
61) Pentachloroethane	11.436	117	1178	0.202	ug/l		93
64) m/p-Xylenes	9.700	106	5413	0.383	ug/l		92
65) o-Xylene	10.108	106	2919	0.211	ug/l		99
72) Bromobenzene	10.790	156	1823	0.207	ug/l		94
76) 4-Chlorotoluene	11.102	126	1960	0.209	ug/l		85
80) Nitrobenzene	13.221	77	184	0.593	ug/l	#	41
82) 1,3-Dichlorobenzene	11.754	146	3854	0.214	ug/l		92
85) 1,2-Dichlorobenzene	12.217	146	3536	0.208	ug/l		98
89) Naphthalene	14.095	128	5185	0.222	ug/l	#	94
90) 1,2,3-Trichlorobenzene	14.339	180	2393	0.222	ug/l		95

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

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