Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060421\
Data File : VU044048.D
Acq On : 04 Jun 2021 13:10
Operator : SY/MD
Sample : M2262-09 0.25PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT2-2021

Manual Integrations APPROVED
SAM
6/9/2021 7:00:18 PM

Quant Time: Jun 07 02:41:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Jun 07 02:40:07 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.125	96	15631	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	4320	0.795	ug/l		0.00
Spiked Amount 1.000			Recovery = 79.000%				
68) 1,2-Dichlorobenzene-d4	12.202	152	4714	0.813	ug/l		0.00
Spiked Amount 1.000			Recovery = 81.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	1662	0.253	ug/l		94
3) Chloromethane	1.527	50	1964	0.277	ug/l		97
4) Vinyl Chloride	1.610	62	1659	0.248	ug/l		98
5) Bromomethane	1.864	94	1154	0.289	ug/l		97
6) Chloroethane	1.942	64	1043	0.255	ug/l		96
7) Trichlorofluoromethane	2.147	101	1831	0.244	ug/l		93
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	965	0.223	ug/l		96
9) 1,1-Dichloroethene	2.588	96	929	0.227	ug/l		90
10) Iodomethane	2.729	142	1092	0.207	ug/l		93
11) Allyl Chloride	2.932	41	1636	0.248	ug/l		93
12) Acrylonitrile	3.331	53	249	0.298	ug/l	#	82
13) Acetone	2.639	43	700	1.330	ug/l		96
14) Carbon Disulfide	2.800	76	3379	0.239	ug/l		95
15) Methylene Chloride	3.057	84	3018	0.490	ug/l		97
16) trans-1,2-Dichloroethene	3.359	96	967	0.214	ug/l		86
17) 1,1-Dichloroethane	3.887	63	2016	0.232	ug/l	#	84
18) 2-Butanone	4.736	43	1473	1.404	ug/l		76
19) Cyclohexane	5.388	56	1855	0.225	ug/l		96
20) Methylcyclohexane	6.768	83	1097	0.166	ug/l	#	83
21) 2,2-Dichloropropane	4.671	77	1745	0.253	ug/l	#	74
22) cis-1,2-Dichloroethene	4.678	96	1022	0.212	ug/l		88
23) Diethyl Ether	2.388	59	733	0.219	ug/l		91
24) tert-Butyl Alcohol	3.199	59	611m	1.566	ug/l		
25) Methyl tert-Butyl Ether	3.385	73	2308	0.224	ug/l		96
26) Bromochloromethane	4.993	128	335	0.171	ug/l		78
27) Chloroform	5.099	83	2107	0.248	ug/l		92
28) 1,1,1-Trichloroethane	5.324	97	1589	0.222	ug/l		98
29) 1,1-Dichloropropene	5.536	75	1536	0.229	ug/l	#	89
30) Carbon Tetrachloride	5.530	117	1359	0.218	ug/l		97
31) Isopropyl Ether	4.012	45	3247	0.235	ug/l		91
32) Ethyl-t-butyl ether	4.530	59	2909	0.235	ug/l		95
33) Tert-Amyl methyl ether	5.967	73	1969	0.205	ug/l	#	88
34) Propionitrile	4.806	54	163	0.583	ug/l	#	1
35) Benzene	5.784	78	4377	0.225	ug/l		97
36) 1,2-Dichloroethane	5.810	62	1358	0.238	ug/l	#	74
37) Trichloroethene	6.552	130	922	0.204	ug/l		99
38) 1,2-Dichloropropane	6.803	63	988	0.192	ug/l	#	84
39) Methacrylonitrile	5.002	41	333	0.214	ug/l	#	32
40) Methyl acrylate	4.867	55	532	0.213	ug/l	#	76
41) Tetrahydrofuran	5.080	42	339m	0.436	ug/l		
42) 1-Chlorobutane	5.462	56	2217	0.229	ug/l		92
43) Dibromomethane	6.935	93	523	0.207	ug/l		92
44) Bromodichloromethane	7.118	83	1429	0.227	ug/l	#	96

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	2627	0.939 ug/l	#	85
46) t-1,4-Dichloro-2-butene	10.848	75	295m	0.237 ug/l		
47) Methyl methacrylate	6.980	69	647	0.302 ug/l	#	95
48) Ethyl methacrylate	8.353	69	558	0.143 ug/l		98
49) Toluene	7.980	92	1726	0.160 ug/l		98
50) t-1,3-Dichloropropene	8.221	75	997	0.183 ug/l	#	88
51) cis-1,3-Dichloropropene	7.623	75	1194	0.194 ug/l		98
52) 1,1,2-Trichloroethane	8.411	97	763	0.210 ug/l		98
53) 1,3-Dichloropropane	8.588	76	1194	0.187 ug/l		98
54) 2-Hexanone	8.707	43	1851	0.956 ug/l	#	70
55) Dibromochloromethane	8.822	129	808	0.203 ug/l		94
56) 1,2-Dibromoethane	8.935	107	638	0.198 ug/l		96
58) Tetrachloroethene	8.559	164	886	0.212 ug/l		96
59) Chlorobenzene	9.456	112	2011	0.178 ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.543	131	903	0.211 ug/l		93
61) Pentachloroethane	11.436	117	625	0.180 ug/l		97
62) Hexachloroethane	12.485	117	685	0.199 ug/l		90
63) Ethyl Benzene	9.578	91	2884	0.154 ug/l		97
64) m/p-Xylenes	9.703	106	1930	0.261 ug/l		87
65) o-Xylene	10.105	106	958	0.139 ug/l		81
66) Styrene	10.121	104	1562	0.129 ug/l		97
67) Bromoform	10.301	173	383	0.175 ug/l	#	96
69) Isopropylbenzene	10.491	105	2644	0.145 ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.793	83	1030	0.216 ug/l	#	95
71) 1,2,3-Trichloropropane	10.838	75	779m	0.216 ug/l		
72) Bromobenzene	10.793	156	729	0.158 ug/l		84
73) n-propylbenzene	10.915	120	534	0.105 ug/l	#	19
74) 2-Chlorotoluene	10.993	126	645	0.141 ug/l		85
75) 1,3,5-Trimethylbenzene	11.095	105	2026	0.124 ug/l		99
76) 4-Chlorotoluene	11.105	126	710	0.143 ug/l		99
77) tert-Butylbenzene	11.430	119	2329	0.149 ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	2045	0.122 ug/l		100
79) sec-Butylbenzene	11.649	105	3036	0.138 ug/l		94
80) Nitrobenzene	13.221	77	141	0.986 ug/l	#	43
81) p-Isopropyltoluene	11.800	119	2284	0.128 ug/l		99
82) 1,3-Dichlorobenzene	11.755	146	1645	0.164 ug/l		98
83) 1,4-Dichlorobenzene	11.845	146	1723	0.172 ug/l		98
84) n-Butylbenzene	12.214	91	2429	0.137 ug/l		98
85) 1,2-Dichlorobenzene	12.221	146	1660	0.174 ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	63	0.087 ug/l	#	43
87) 1,2,4-Trichlorobenzene	13.848	180	1080	0.192 ug/l		88
88) Hexachlorobutadiene	14.031	225	830	0.227 ug/l		88
89) Naphthalene	14.095	128	2006	0.206 ug/l	#	92
90) 1,2,3-Trichlorobenzene	14.340	180	953	0.175 ug/l		91

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

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