Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060421\
Data File : VU044049.D
Acq On : 04 Jun 2021 13:40
Operator : SY/MD
Sample : M2262-09 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 07 02:42:16 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

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

Manual Integrations APPROVED

SAM

6/9/2021 7:00:27 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.125	96	14676	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	3988	0.782	ug/l		0.00
Spiked Amount 1.000			Recovery =	78.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	4568	0.840	ug/l		0.00
Spiked Amount 1.000			Recovery =	84.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.392	85	2258	0.365	ug/l		97
3) Chloromethane	1.527	50	2453	0.368	ug/l		96
4) Vinyl Chloride	1.610	62	2145	0.341	ug/l		92
5) Bromomethane	1.864	94	1402	0.374	ug/l		97
6) Chloroethane	1.941	64	1407	0.367	ug/l		92
7) Trichlorofluoromethane	2.147	101	2427	0.344	ug/l		99
8) 1,1,2-Trichloro-1,2,2-...	2.594	101	1369	0.336	ug/l		97
9) 1,1-Dichloroethene	2.591	96	1293	0.336	ug/l		93
10) Iodomethane	2.736	142	1499	0.303	ug/l		94
11) Allyl Chloride	2.932	41	2184	0.353	ug/l		94
12) Acrylonitrile	3.343	53	492	0.628	ug/l	#	66
13) Acetone	2.639	43	953	1.929	ug/l		92
14) Carbon Disulfide	2.803	76	4606	0.348	ug/l		97
15) Methylene Chloride	3.057	84	3061	0.530	ug/l		98
16) trans-1,2-Dichloroethene	3.363	96	1377	0.324	ug/l		97
17) 1,1-Dichloroethane	3.880	63	2830	0.347	ug/l	#	84
18) 2-Butanone	4.736	43	1800	1.827	ug/l		76
19) Cyclohexane	5.395	56	2518	0.325	ug/l		99
20) Methylcyclohexane	6.764	83	1507	0.243	ug/l		95
21) 2,2-Dichloropropane	4.674	77	2419	0.374	ug/l	#	89
22) cis-1,2-Dichloroethene	4.681	96	1531	0.338	ug/l		100
23) Diethyl Ether	2.388	59	1091	0.347	ug/l		92
24) tert-Butyl Alcohol	3.199	59	938	2.560	ug/l	#	75
25) Methyl tert-Butyl Ether	3.385	73	3128	0.324	ug/l		93
26) Bromochloromethane	4.986	128	531	0.289	ug/l		82
27) Chloroform	5.102	83	2762	0.347	ug/l		99
28) 1,1,1-Trichloroethane	5.327	97	2321	0.345	ug/l		97
29) 1,1-Dichloropropene	5.533	75	2035	0.323	ug/l		95
30) Carbon Tetrachloride	5.530	117	1903	0.324	ug/l		99
31) Isopropyl Ether	4.019	45	4453	0.344	ug/l		95
32) Ethyl-t-butyl ether	4.523	59	3721	0.320	ug/l		99
33) Tert-Amyl methyl ether	5.961	73	2461	0.273	ug/l	#	92
34) Propionitrile	4.809	54	408	1.555	ug/l	#	1
35) Benzene	5.781	78	6135	0.335	ug/l		95
36) 1,2-Dichloroethane	5.809	62	1734	0.324	ug/l	#	74
37) Trichloroethene	6.552	130	1289	0.304	ug/l		82
38) 1,2-Dichloropropane	6.800	63	1492	0.309	ug/l		99
39) Methacrylonitrile	4.993	41	482	0.331	ug/l	#	62
40) Methyl acrylate	4.874	55	759	0.324	ug/l	#	70
41) Tetrahydrofuran	5.089	42	468	0.640	ug/l	#	35
42) 1-Chlorobutane	5.465	56	3010	0.332	ug/l		100
43) Dibromomethane	6.932	93	709	0.299	ug/l		92
44) Bromodichloromethane	7.118	83	1815	0.307	ug/l	#	89

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.813	43	3342	1.272 ug/l #	89
46) t-1,4-Dichloro-2-butene	10.841	75	633m	0.542 ug/l	
47) Methyl methacrylate	6.983	69	854	0.424 ug/l #	92
48) Ethyl methacrylate	8.350	69	808	0.221 ug/l	91
49) Toluene	7.977	92	2198	0.217 ug/l	87
50) t-1,3-Dichloropropene	8.221	75	1384	0.270 ug/l #	80
51) cis-1,3-Dichloropropene	7.623	75	1713	0.297 ug/l	95
52) 1,1,2-Trichloroethane	8.414	97	1025	0.300 ug/l	98
53) 1,3-Dichloropropane	8.584	76	1678	0.280 ug/l	97
54) 2-Hexanone	8.703	43	2251	1.238 ug/l	79
55) Dibromochloromethane	8.819	129	1094	0.293 ug/l	97
56) 1,2-Dibromoethane	8.931	107	906	0.299 ug/l	89
58) Tetrachloroethene	8.559	164	1202	0.306 ug/l	97
59) Chlorobenzene	9.456	112	2813	0.265 ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.542	131	1198	0.298 ug/l	95
61) Pentachloroethane	11.436	117	929	0.285 ug/l	95
62) Hexachloroethane	12.484	117	950	0.294 ug/l	93
63) Ethyl Benzene	9.578	91	3922	0.224 ug/l	97
64) m/p-Xylenes	9.700	106	2782	0.401 ug/l	97
65) o-Xylene	10.108	106	1334	0.207 ug/l	100
66) Styrene	10.121	104	2366	0.208 ug/l	93
67) Bromoform	10.301	173	655	0.320 ug/l #	69
69) Isopropylbenzene	10.491	105	3514	0.205 ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.793	83	1415	0.316 ug/l #	93
71) 1,2,3-Trichloropropane	10.832	75	933m	0.276 ug/l	
72) Bromobenzene	10.790	156	1077	0.249 ug/l	99
73) n-propylbenzene	10.915	120	926	0.193 ug/l	80
74) 2-Chlorotoluene	10.996	126	924	0.215 ug/l	92
75) 1,3,5-Trimethylbenzene	11.095	105	2857	0.186 ug/l	99
76) 4-Chlorotoluene	11.105	126	868	0.187 ug/l	88
77) tert-Butylbenzene	11.427	119	3118	0.212 ug/l	95
78) 1,2,4-Trimethylbenzene	11.475	105	2839	0.180 ug/l	95
79) sec-Butylbenzene	11.652	105	4163	0.202 ug/l #	91
81) p-Isopropyltoluene	11.800	119	3217	0.192 ug/l	97
82) 1,3-Dichlorobenzene	11.755	146	2390	0.253 ug/l	95
83) 1,4-Dichlorobenzene	11.845	146	2197	0.234 ug/l	99
84) n-Butylbenzene	12.218	91	3377	0.204 ug/l	94
85) 1,2-Dichlorobenzene	12.221	146	2167	0.241 ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	65	0.095 ug/l #	42
87) 1,2,4-Trichlorobenzene	13.851	180	1271	0.240 ug/l #	95
88) Hexachlorobutadiene	14.031	225	1049	0.305 ug/l	95
89) Naphthalene	14.095	128	1880	0.206 ug/l #	88
90) 1,2,3-Trichlorobenzene	14.340	180	1219	0.239 ug/l	97

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

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