Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070821\
Data File : VU044331.D
Acq On : 08 Jul 2021 19:34
Operator : SY/MD
Sample : M2940-07 0.4 PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations APPROVED
MMDadoda
7/13/2021 4:05:35 PM

Quant Time: Jul 09 06:05:41 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	23904	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	9813	0.927	ug/l		0.00
Spiked Amount 1.000			Recovery =	93.000%			
68) 1,2-Dichlorobenzene-d4	12.202	152	10039	0.951	ug/l		0.00
Spiked Amount 1.000			Recovery =	95.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	2816	0.340	ug/l		99
3) Chloromethane	1.527	50	3388	0.425	ug/l		100
4) Vinyl Chloride	1.610	62	3189	0.381	ug/l	#	86
5) Bromomethane	1.864	94	2417	0.484	ug/l		97
6) Chloroethane	1.942	64	2118	0.379	ug/l		100
7) Trichlorofluoromethane	2.147	101	4662	0.367	ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	2590	0.354	ug/l		95
9) 1,1-Dichloroethene	2.588	96	2468	0.386	ug/l		97
10) Iodomethane	2.732	142	2874	0.427	ug/l		89
11) Allyl Chloride	2.932	41	4160	0.366	ug/l		86
12) Acrylonitrile	3.327	53	1217	0.850	ug/l	#	73
13) Acetone	2.642	43	2018	2.125	ug/l		96
14) Carbon Disulfide	2.800	76	6473	0.374	ug/l	#	91
15) Methylene Chloride	3.057	84	9232	0.795	ug/l		98
16) trans-1,2-Dichloroethene	3.363	96	2513	0.355	ug/l		83
17) 1,1-Dichloroethane	3.880	63	5542	0.388	ug/l		99
18) 2-Butanone	4.739	43	3228	1.732	ug/l		90
19) Cyclohexane	5.388	56	4535	0.397	ug/l		96
20) Methylcyclohexane	6.768	83	3903	0.332	ug/l		95
21) 2,2-Dichloropropane	4.678	77	5890	0.424	ug/l	#	91
22) cis-1,2-Dichloroethene	4.678	96	3293	0.395	ug/l		100
23) Diethyl Ether	2.388	59	1945	0.365	ug/l	#	85
24) tert-Butyl Alcohol	3.199	59	5093	12.422	ug/l	#	82
25) Methyl tert-Butyl Ether	3.382	73	7489	0.381	ug/l		91
26) Bromochloromethane	4.986	128	1196	0.328	ug/l		90
27) Chloroform	5.099	83	6647	0.440	ug/l		100
28) 1,1,1-Trichloroethane	5.321	97	5260	0.394	ug/l		93
29) 1,1-Dichloropropene	5.530	75	3650	0.375	ug/l		89
30) Carbon Tetrachloride	5.527	117	3831	0.373	ug/l		95
31) Isopropyl Ether	4.019	45	10038	0.411	ug/l		95
32) Ethyl-t-butyl ether	4.523	59	9533	0.404	ug/l		100
33) Tert-Amyl methyl ether	5.961	73	6526	0.343	ug/l		99
34) Propionitrile	4.803	54	790	1.673	ug/l	#	69
35) Benzene	5.784	78	10664	0.396	ug/l		94
36) 1,2-Dichloroethane	5.803	62	3210	0.365	ug/l	#	95
37) Trichloroethene	6.552	130	2764	0.368	ug/l		94
38) 1,2-Dichloropropane	6.803	63	2643	0.353	ug/l		97
39) Methacrylonitrile	4.999	41	1108	0.377	ug/l	#	82
40) Methyl acrylate	4.864	55	1789	0.437	ug/l	#	74
41) Tetrahydrofuran	5.086	42	709	0.579	ug/l	#	86
42) 1-Chlorobutane	5.462	56	5135	0.381	ug/l		93
43) Dibromomethane	6.928	93	1413	0.358	ug/l		96
44) Bromodichloromethane	7.115	83	3553	0.355	ug/l		93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	10495	1.857	ug/l		97
46) t-1,4-Dichloro-2-butene	10.838	75	1889m	0.854	ug/l		
47) Methyl methacrylate	6.977	69	3188	0.788	ug/l	#	91
48) Ethyl methacrylate	8.350	69	3026	0.350	ug/l		95
49) Toluene	7.977	92	6465	0.365	ug/l		96
50) t-1,3-Dichloropropene	8.218	75	3296	0.323	ug/l		99
51) cis-1,3-Dichloropropene	7.617	75	4034	0.348	ug/l		98
52) 1,1,2-Trichloroethane	8.407	97	2109	0.385	ug/l		96
53) 1,3-Dichloropropane	8.584	76	3714	0.369	ug/l		98
54) 2-Hexanone	8.707	43	7198	1.751	ug/l		98
55) Dibromochloromethane	8.819	129	2199	0.312	ug/l		99
56) 1,2-Dibromoethane	8.932	107	1996	0.364	ug/l		94
58) Tetrachloroethene	8.559	164	2411	0.348	ug/l	#	89
59) Chlorobenzene	9.456	112	7213	0.360	ug/l		91
60) 1,1,1,2-Tetrachloroethane	9.542	131	2544	0.340	ug/l		97
61) Pentachloroethane	11.433	117	1878	0.331	ug/l		100
62) Hexachloroethane	12.485	117	1877	0.292	ug/l		98
63) Ethyl Benzene	9.578	91	12545	0.354	ug/l		96
64) m/p-Xylenes	9.700	106	9195	0.669	ug/l		96
65) o-Xylene	10.108	106	4707	0.350	ug/l		100
66) Styrene	10.121	104	7611	0.330	ug/l		97
67) Bromoform	10.298	173	1235	0.303	ug/l	#	95
69) Isopropylbenzene	10.491	105	12677	0.345	ug/l		94
70) 1,1,2,2-Tetrachloroethane	10.790	83	2546	0.346	ug/l	#	95
71) 1,2,3-Trichloropropane	10.838	75	2154m	0.371	ug/l		
72) Bromobenzene	10.790	156	3263	0.381	ug/l		93
73) n-propylbenzene	10.912	120	3292	0.327	ug/l		99
74) 2-Chlorotoluene	10.993	126	3062	0.352	ug/l		98
75) 1,3,5-Trimethylbenzene	11.095	105	10404	0.331	ug/l		99
76) 4-Chlorotoluene	11.105	126	3091	0.338	ug/l		97
77) tert-Butylbenzene	11.427	119	10719	0.339	ug/l		99
78) 1,2,4-Trimethylbenzene	11.475	105	10320	0.324	ug/l		97
79) sec-Butylbenzene	11.649	105	13562	0.324	ug/l		97
80) Nitrobenzene	13.221	77	306	1.014	ug/l	#	41
81) p-Isopropyltoluene	11.800	119	11037	0.311	ug/l		98
82) 1,3-Dichlorobenzene	11.751	146	5804	0.332	ug/l		98
83) 1,4-Dichlorobenzene	11.845	146	6062	0.349	ug/l		99
84) n-Butylbenzene	12.214	91	9754	0.287	ug/l		99
85) 1,2-Dichlorobenzene	12.221	146	5732	0.346	ug/l		95
86) 1,2-Dibromo-3-Chloropr...	12.999	75	413	0.295	ug/l		93
87) 1,2,4-Trichlorobenzene	13.848	180	3861	0.325	ug/l		97
88) Hexachlorobutadiene	14.028	225	1785	0.293	ug/l		97
89) Naphthalene	14.095	128	7232	0.318	ug/l		99
90) 1,2,3-Trichlorobenzene	14.340	180	3380	0.322	ug/l		96

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

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