Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070821\
Data File : VU044334.D
Acq On : 08 Jul 2021 21:04
Operator : SY/MD
Sample : M2940-08 1.0 PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2021

Manual Integrations APPROVED
MMDadoda
7/13/2021 4:04:59 PM

Quant Time: Jul 09 06:07:39 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	23758	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	9966	0.947	ug/l		0.00
Spiked Amount 1.000			Recovery =	95.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	10055	0.958	ug/l		0.00
Spiked Amount 1.000			Recovery =	96.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.392	85	8250	1.003	ug/l		97
3) Chloromethane	1.527	50	9265	1.169	ug/l		100
4) Vinyl Chloride	1.610	62	9037	1.085	ug/l		98
5) Bromomethane	1.864	94	6085	1.226	ug/l		99
6) Chloroethane	1.941	64	6307	1.134	ug/l		98
7) Trichlorofluoromethane	2.147	101	14194	1.125	ug/l		98
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	7667	1.054	ug/l		96
9) 1,1-Dichloroethene	2.588	96	7087	1.116	ug/l		97
10) Iodomethane	2.732	142	8234	1.230	ug/l		96
11) Allyl Chloride	2.932	41	12286	1.088	ug/l		98
12) Acrylonitrile	3.330	53	3139	2.207	ug/l	#	93
13) Acetone	2.639	43	4521	4.791	ug/l		98
14) Carbon Disulfide	2.803	76	18331	1.066	ug/l		95
15) Methylene Chloride	3.057	84	19853	1.720	ug/l		99
16) trans-1,2-Dichloroethene	3.362	96	7660	1.089	ug/l		97
17) 1,1-Dichloroethane	3.880	63	15542	1.095	ug/l		99
18) 2-Butanone	4.739	43	11184	6.039	ug/l		97
19) Cyclohexane	5.391	56	12219	1.075	ug/l		99
20) Methylcyclohexane	6.767	83	11553	0.990	ug/l		98
21) 2,2-Dichloropropane	4.674	77	14337	1.038	ug/l		97
22) cis-1,2-Dichloroethene	4.678	96	9000	1.086	ug/l		99
23) Diethyl Ether	2.385	59	6007	1.134	ug/l		95
24) tert-Butyl Alcohol	3.208	59	4998	12.265	ug/l	#	83
25) Methyl tert-Butyl Ether	3.385	73	22087	1.132	ug/l		100
26) Bromochloromethane	4.986	128	3933	1.085	ug/l		99
27) Chloroform	5.099	83	16807	1.120	ug/l		99
28) 1,1,1-Trichloroethane	5.324	97	14237	1.074	ug/l		99
29) 1,1-Dichloropropene	5.530	75	10112	1.045	ug/l		97
30) Carbon Tetrachloride	5.530	117	10740	1.053	ug/l		96
31) Isopropyl Ether	4.015	45	28161	1.159	ug/l		95
32) Ethyl-t-butyl ether	4.523	59	25680	1.095	ug/l		98
33) Tert-Amyl methyl ether	5.964	73	19354	1.023	ug/l		99
34) Propionitrile	4.803	54	2308m	4.916	ug/l		
35) Benzene	5.780	78	28253	1.056	ug/l		100
36) 1,2-Dichloroethane	5.806	62	8958	1.025	ug/l		98
37) Trichloroethene	6.552	130	7938	1.064	ug/l		99
38) 1,2-Dichloropropane	6.803	63	7873	1.057	ug/l		100
39) Methacrylonitrile	4.996	41	3000	1.028	ug/l	#	95
40) Methyl acrylate	4.864	55	4694	1.155	ug/l	#	92
41) Tetrahydrofuran	5.086	42	2914	2.396	ug/l	#	59
42) 1-Chlorobutane	5.465	56	14465	1.081	ug/l		95
43) Dibromomethane	6.931	93	4033	1.027	ug/l		99
44) Bromodichloromethane	7.115	83	9909	0.995	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.812	43	29540	5.259	ug/l		98
46) t-1,4-Dichloro-2-butene	10.838	75	4844m	2.203	ug/l		
47) Methyl methacrylate	6.980	69	8603	2.140	ug/l		96
48) Ethyl methacrylate	8.349	69	8930	1.038	ug/l		99
49) Toluene	7.976	92	18120	1.031	ug/l		100
50) t-1,3-Dichloropropene	8.221	75	9600	0.947	ug/l		96
51) cis-1,3-Dichloropropene	7.616	75	11126	0.967	ug/l		96
52) 1,1,2-Trichloroethane	8.414	97	6090	1.118	ug/l		96
53) 1,3-Dichloropropane	8.584	76	10657	1.065	ug/l		99
54) 2-Hexanone	8.703	43	20199	4.943	ug/l		99
55) Dibromochloromethane	8.819	129	6697	0.955	ug/l		97
56) 1,2-Dibromoethane	8.935	107	5808	1.067	ug/l		97
58) Tetrachloroethene	8.558	164	7244	1.051	ug/l		97
59) Chlorobenzene	9.455	112	21057	1.059	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.542	131	7598	1.021	ug/l		98
61) Pentachloroethane	11.436	117	5418	0.962	ug/l		97
62) Hexachloroethane	12.481	117	5408	0.847	ug/l		100
63) Ethyl Benzene	9.578	91	35425	1.007	ug/l		100
64) m/p-Xylenes	9.700	106	27578	2.018	ug/l		100
65) o-Xylene	10.108	106	13647	1.022	ug/l		99
66) Styrene	10.121	104	22583	0.985	ug/l		98
67) Bromoform	10.301	173	3747	0.925	ug/l	#	97
69) Isopropylbenzene	10.491	105	35772	0.979	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.790	83	7829	1.070	ug/l	#	95
71) 1,2,3-Trichloropropane	10.835	75	5213m	0.903	ug/l		
72) Bromobenzene	10.790	156	9010	1.057	ug/l		99
73) n-propylbenzene	10.912	120	9405	0.939	ug/l		94
74) 2-Chlorotoluene	10.992	126	8938	1.035	ug/l		97
75) 1,3,5-Trimethylbenzene	11.095	105	30920	0.989	ug/l		98
76) 4-Chlorotoluene	11.105	126	8923	0.983	ug/l		92
77) tert-Butylbenzene	11.426	119	30457	0.969	ug/l		97
78) 1,2,4-Trimethylbenzene	11.475	105	30673	0.970	ug/l		99
79) sec-Butylbenzene	11.648	105	41328	0.992	ug/l		99
80) Nitrobenzene	13.214	77	701	2.338	ug/l	#	68
81) p-Isopropyltoluene	11.799	119	33827	0.959	ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	17467	1.006	ug/l		98
83) 1,4-Dichlorobenzene	11.844	146	17755	1.029	ug/l		98
84) n-Butylbenzene	12.214	91	29855	0.884	ug/l		99
85) 1,2-Dichlorobenzene	12.217	146	16592	1.008	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	13.005	75	1292	0.928	ug/l		98
87) 1,2,4-Trichlorobenzene	13.848	180	11039	0.935	ug/l		98
88) Hexachlorobutadiene	14.028	225	5951	0.982	ug/l		98
89) Naphthalene	14.095	128	20460	0.905	ug/l		100
90) 1,2,3-Trichlorobenzene	14.336	180	9867	0.946	ug/l		100

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

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