

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072221\
 Data File : VU044388.D
 Acq On : 22 Jul 2021 13:06
 Operator : SY/MD
 Sample : M2940-09 0.25PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/28/2021 11:09:09 AM

Quant Time: Jul 23 03:57:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 14:36:39 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.121	96	47570	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	17276	0.900	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	17790	0.950	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	3682	0.222	ug/l	99
3) Chloromethane	1.527	50	4728	0.262	ug/l	100
4) Vinyl Chloride	1.607	62	4240	0.233	ug/l	94
5) Bromomethane	1.861	94	2828	0.291	ug/l	95
6) Chloroethane	1.935	64	3625	0.327	ug/l	91
7) Trichlorofluoromethane	2.144	101	5224	0.265	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	3307	0.266	ug/l	91
9) 1,1-Dichloroethene	2.588	96	2950	0.243	ug/l	98
10) Iodomethane	2.729	142	3683	0.232	ug/l	89
11) Allyl Chloride	2.932	41	5489	0.274	ug/l	87
12) Acrylonitrile	3.327	53	1343	0.482	ug/l	98
13) Acetone	2.639	43	2269	1.634	ug/l	90
14) Carbon Disulfide	2.800	76	9682	0.241	ug/l	# 94
15) Methylene Chloride	3.054	84	14671	0.851	ug/l	91
16) trans-1,2-Dichloroethene	3.359	96	3517	0.260	ug/l	87
17) 1,1-Dichloroethane	3.880	63	6335	0.251	ug/l	# 96
18) 2-Butanone	4.732	43	4116	1.382	ug/l	89
19) Cyclohexane	5.388	56	5988	0.260	ug/l	97
20) Methylcyclohexane	6.768	83	5104	0.212	ug/l	93
21) 2,2-Dichloropropane	4.674	77	5766	0.279	ug/l	94
22) cis-1,2-Dichloroethene	4.678	96	3743	0.253	ug/l	99
23) Diethyl Ether	2.382	59	2289	0.225	ug/l	92
24) tert-Butyl Alcohol	3.208	59	1760m	2.910	ug/l	
25) Methyl tert-Butyl Ether	3.379	73	8298	0.245	ug/l	97
26) Bromochloromethane	4.983	128	1433	0.229	ug/l	89
27) Chloroform	5.099	83	7671	0.314	ug/l	96
28) 1,1,1-Trichloroethane	5.321	97	5425	0.266	ug/l	96
29) 1,1-Dichloropropene	5.533	75	4485	0.232	ug/l	94
30) Carbon Tetrachloride	5.526	117	4093	0.241	ug/l	96
31) Isopropyl Ether	4.009	45	10399	0.248	ug/l	97
32) Ethyl-t-butyl ether	4.523	59	9795	0.237	ug/l	96
33) Tert-Amyl methyl ether	5.957	73	8518	0.231	ug/l	93
34) Propionitrile	4.797	54	1109	1.316	ug/l	# 81
35) Benzene	5.780	78	13172	0.234	ug/l	97
36) 1,2-Dichloroethane	5.803	62	4076	0.253	ug/l	96
37) Trichloroethene	6.549	130	3420	0.242	ug/l	91
38) 1,2-Dichloropropane	6.803	63	3418	0.230	ug/l	99
39) Methacrylonitrile	4.993	41	1471	0.306	ug/l	# 94
40) Methyl acrylate	4.870	55	2012	0.269	ug/l	# 88
41) Tetrahydrofuran	5.083	42	989	0.434	ug/l	95
42) 1-Chlorobutane	5.465	56	6923	0.253	ug/l	83
43) Dibromomethane	6.928	93	1756	0.238	ug/l	91
44) Bromodichloromethane	7.118	83	4049	0.231	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.813	43	11466	1.143	ug/l	96
46) t-1,4-Dichloro-2-butene	10.845	75	1256m	0.295	ug/l	
47) Methyl methacrylate	6.977	69	3423	0.419	ug/l	96
48) Ethyl methacrylate	8.346	69	3674	0.218	ug/l	98
49) Toluene	7.976	92	7750	0.219	ug/l	94
51) cis-1,3-Dichloropropene	7.620	75	4298	0.200	ug/l	95
52) 1,1,2-Trichloroethane	8.411	97	2658	0.244	ug/l #	86
53) 1,3-Dichloropropane	8.584	76	4825	0.241	ug/l	98
54) 2-Hexanone	8.703	43	8310	1.165	ug/l	99
56) 1,2-Dibromoethane	8.931	107	2491	0.234	ug/l	94
58) Tetrachloroethene	8.562	164	2794	0.233	ug/l	95
59) Chlorobenzene	9.456	112	8399	0.225	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	2609	0.209	ug/l	92
61) Pentachloroethane	11.436	117	2124	0.213	ug/l #	76
63) Ethyl Benzene	9.578	91	14664	0.219	ug/l	96
64) m/p-Xylenes	9.700	106	10729	0.420	ug/l	97
65) o-Xylene	10.108	106	5076	0.206	ug/l	91
66) Styrene	10.121	104	8583	0.202	ug/l	98
69) Isopropylbenzene	10.491	105	14072	0.213	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.790	83	3332	0.232	ug/l #	97
71) 1,2,3-Trichloropropane	10.832	75	2932m	0.238	ug/l	
72) Bromobenzene	10.787	156	3493	0.229	ug/l	92
75) 1,3,5-Trimethylbenzene	11.092	105	11343	0.203	ug/l	99
77) tert-Butylbenzene	11.427	119	11219	0.205	ug/l	98
78) 1,2,4-Trimethylbenzene	11.475	105	11439	0.202	ug/l	98
79) sec-Butylbenzene	11.652	105	15829	0.213	ug/l	98
80) Nitrobenzene	13.224	77	272	0.635	ug/l #	41
81) p-Isopropyltoluene	11.799	119	12489	0.203	ug/l	97
82) 1,3-Dichlorobenzene	11.751	146	6853	0.226	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	7202	0.235	ug/l	97
84) n-Butylbenzene	12.214	91	12695	0.210	ug/l	98
85) 1,2-Dichlorobenzene	12.221	146	7041	0.240	ug/l	96
87) 1,2,4-Trichlorobenzene	13.848	180	4379	0.211	ug/l	94
88) Hexachlorobutadiene	14.024	225	2305	0.229	ug/l	92
89) Naphthalene	14.095	128	9011	0.217	ug/l	98
90) 1,2,3-Trichlorobenzene	14.336	180	4115	0.218	ug/l	98

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

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