

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070822\
 Data File : VU049660.D
 Acq On : 08 Jul 2022 17:05
 Operator : SY/MD
 Sample : N3214-09 0.4ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT2-2022

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/11/2022
 Supervised By :Mahesh Dadoda 07/11/2022

Quant Time: Jul 09 04:56:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Jul 09 04:54:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	36977	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.633	95	11228	0.829	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	12470	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4375m	0.309	ug/l	
3) Chloromethane	1.533	50	4867	0.336	ug/l	97
4) Vinyl Chloride	1.601	62	4108	0.311	ug/l	94
5) Bromomethane	1.858	94	2823	0.410	ug/l	# 76
6) Chloroethane	1.932	64	2090	0.283	ug/l	96
7) Trichlorofluoromethane	2.138	101	4891	0.309	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	2439	0.293	ug/l	94
9) 1,1-Dichloroethene	2.581	96	2514	0.300	ug/l	96
10) Iodomethane	2.723	142	1549	0.146	ug/l	97
11) Allyl Chloride	2.922	41	4519	0.316	ug/l	93
12) Acrylonitrile	3.331	53	1317	0.588	ug/l	# 90
13) Acetone	2.649	43	4513	2.552	ug/l	# 84
14) Carbon Disulfide	2.790	76	7888	0.286	ug/l	97
15) Methylene Chloride	3.044	84	9636	0.918	ug/l	98
16) trans-1,2-Dichloroethene	3.347	96	2658	0.302	ug/l	89
17) 1,1-Dichloroethane	3.864	63	5288	0.290	ug/l	# 93
18) 2-Butanone	4.745	43	5898m	1.956	ug/l	
19) Cyclohexane	5.379	56	4297m	0.247	ug/l	
20) Methylcyclohexane	6.758	83	3917	0.228	ug/l	97
21) 2,2-Dichloropropane	4.658	77	4230	0.284	ug/l	# 75
22) cis-1,2-Dichloroethene	4.665	96	3159	0.291	ug/l	95
23) Diethyl Ether	2.379	59	2160	0.302	ug/l	# 73
24) tert-Butyl Alcohol	3.253	59	3864m	4.742	ug/l	
25) Methyl tert-Butyl Ether	3.376	73	7117	0.304	ug/l	# 73
26) Bromochloromethane	4.974	128	1171	0.256	ug/l	84
27) Chloroform	5.093	83	5588	0.312	ug/l	91
28) 1,1,1-Trichloroethane	5.311	97	4826	0.305	ug/l	97
29) 1,1-Dichloropropene	5.520	75	3775	0.268	ug/l	94
30) Carbon Tetrachloride	5.517	117	3774	0.284	ug/l	# 83
31) Isopropyl Ether	4.006	45	9614	0.308	ug/l	92
32) Ethyl-t-butyl ether	4.514	59	7829	0.265	ug/l	96
33) Tert-Amyl methyl ether	5.951	73	6651	0.259	ug/l	97
34) Propionitrile	4.822	54	1175m	1.359	ug/l	
35) Benzene	5.777	78	11476	0.285	ug/l	96
36) 1,2-Dichloroethane	5.800	62	3663	0.320	ug/l	# 90
37) Trichloroethene	6.543	130	2846	0.280	ug/l	94
38) 1,2-Dichloropropane	6.793	63	3315	0.311	ug/l	97
39) Methacrylonitrile	4.986	41	973	0.263	ug/l	# 77
40) Methyl acrylate	4.864	55	1543	0.266	ug/l	# 72
41) Tetrahydrofuran	5.086	42	1795	0.820	ug/l	# 66
42) 1-Chlorobutane	5.456	56	5294	0.268	ug/l	87
43) Dibromomethane	6.919	93	1572	0.296	ug/l	94
44) Bromodichloromethane	7.109	83	3653	0.287	ug/l	89

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45) 4-Methyl-2-Pentanone	7.803	43	10359	1.439	ug/l	94
46) t-1,4-Dichloro-2-butene	10.835	75	1133m	0.484	ug/l	
47) Methyl methacrylate	6.973	69	2434	0.455	ug/l #	84
48) Ethyl methacrylate	8.340	69	2464	0.230	ug/l	97
49) Toluene	7.970	92	6093	0.248	ug/l	98
50) t-1,3-Dichloropropene	8.215	75	3318	0.270	ug/l #	79
51) cis-1,3-Dichloropropene	7.607	75	3545	0.244	ug/l #	92
52) 1,1,2-Trichloroethane	8.401	97	2041	0.279	ug/l	93
53) 1,3-Dichloropropane	8.578	76	3956	0.301	ug/l	96
54) 2-Hexanone	8.697	43	7270	1.454	ug/l	95
55) Dibromochloromethane	8.816	129	2379	0.285	ug/l	92
56) 1,2-Dibromoethane	8.925	107	2026	0.286	ug/l	98
58) Tetrachloroethene	8.555	164	2430	0.288	ug/l	92
59) Chlorobenzene	9.449	112	6984	0.272	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.539	131	2599	0.284	ug/l	99
61) Pentachloroethane	11.430	117	1935	0.276	ug/l	96
62) Hexachloroethane	12.475	117	1789	0.255	ug/l	95
63) Ethyl Benzene	9.571	91	11300	0.244	ug/l	99
64) m/p-Xylenes	9.694	106	8246	0.482	ug/l	99
65) o-Xylene	10.102	106	3804	0.226	ug/l	88
66) Styrene	10.115	104	6044	0.224	ug/l	99
67) Bromoform	10.295	173	1362	0.285	ug/l #	95
69) Isopropylbenzene	10.481	105	10517	0.234	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.784	83	2759	0.290	ug/l	96
71) 1,2,3-Trichloropropane	10.822	75	2250m	0.286	ug/l	
72) Bromobenzene	10.784	156	2873	0.284	ug/l	92
73) n-propylbenzene	10.906	120	2518	0.222	ug/l	87
74) 2-Chlorotoluene	10.989	126	2553	0.253	ug/l	89
75) 1,3,5-Trimethylbenzene	11.086	105	8523	0.227	ug/l	100
76) 4-Chlorotoluene	11.099	126	2683	0.265	ug/l	95
77) tert-Butylbenzene	11.420	119	8718	0.236	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	8404	0.223	ug/l	99
79) sec-Butylbenzene	11.642	105	11076	0.229	ug/l	99
80) Nitrobenzene	13.218	77	855	2.198	ug/l #	45
81) p-Isopropyltoluene	11.793	119	8514	0.217	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	5699	0.291	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	5845	0.296	ug/l	92
84) n-Butylbenzene	12.211	91	9109	0.249	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	5608	0.296	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.002	75	462	0.279	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.848	180	4026	0.315	ug/l	95
88) Hexachlorobutadiene	14.025	225	1850	0.284	ug/l #	83
89) Naphthalene	14.089	128	8708	0.325	ug/l	98
90) 1,2,3-Trichlorobenzene	14.330	180	4093	0.335	ug/l	96

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

