

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055229.D
 Acq On : 11 Sep 2023 10:50
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 11 11:12:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	64811	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	25032	1.070	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	25736	1.096	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	202069	8.625	ug/l	99
3) Chloromethane	1.515	50	204449	8.565	ug/l	98
4) Vinyl Chloride	1.602	62	218818	8.676	ug/l	99
5) Bromomethane	1.853	94	157088	7.355	ug/l	97
6) Chloroethane	1.930	64	140107	8.690	ug/l	97
7) Trichlorofluoromethane	2.136	101	310265	8.215	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	157542	8.416	ug/l	98
9) 1,1-Dichloroethene	2.576	96	142910	8.345	ug/l	98
10) Iodomethane	2.718	142	225397	12.980	ug/l	94
11) Allyl Chloride	2.920	41	184542	9.548	ug/l	# 82
12) Acrylonitrile	3.313	53	56751	17.063	ug/l	97
13) Acetone	2.621	43	265272	40.663	ug/l	97
14) Carbon Disulfide	2.789	76	470509	8.963	ug/l	99
15) Methylene Chloride	3.039	84	169292	4.189	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	178948	10.115	ug/l	95
17) 1,1-Dichloroethane	3.866	63	334596	10.363	ug/l	99
18) 2-Butanone	4.695	43	332603	50.095	ug/l	98
19) Cyclohexane	5.386	56	255520	9.611	ug/l	86
20) Methylcyclohexane	6.763	83	327908	9.873	ug/l	94
21) 2,2-Dichloropropane	4.660	77	278770	10.085	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	197411	10.268	ug/l	97
23) Diethyl Ether	2.374	59	121963	8.974	ug/l	96
24) tert-Butyl Alcohol	3.181	59	93162m	75.412	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	363278	9.572	ug/l	100
26) Bromochloromethane	4.969	128	83317	10.756	ug/l	95
27) Chloroform	5.084	83	348443	10.396	ug/l	96
28) 1,1,1-Trichloroethane	5.313	97	305932	10.587	ug/l	99
29) 1,1-Dichloropropene	5.525	75	265549	10.620	ug/l	98
30) Carbon Tetrachloride	5.522	117	267163	11.617	ug/l	98
31) Isopropyl Ether	3.988	45	457962	10.310	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	446047	9.775	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	400203	9.864	ug/l	97
34) Propionitrile	4.769	54	57045	50.967	ug/l	# 17
35) Benzene	5.772	78	765932	10.471	ug/l	100
36) 1,2-Dichloroethane	5.788	62	211556	10.068	ug/l	99
37) Trichloroethene	6.541	130	207939	11.303	ug/l	99
38) 1,2-Dichloropropane	6.788	63	198296	10.580	ug/l	100
39) Methacrylonitrile	4.969	41	44335	9.705	ug/l	97
40) Methyl acrylate	4.843	55	76734	9.264	ug/l	99
41) Tetrahydrofuran	5.052	42	43963	18.432	ug/l	94
42) 1-Chlorobutane	5.454	56	347225	10.440	ug/l	98
43) Dibromomethane	6.917	93	93817	10.507	ug/l	98
44) Bromodichloromethane	7.103	83	248532	11.131	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	475696	51.358	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	78259m	15.412	ug/l	
47) Methyl methacrylate	6.959	69	157919	19.236	ug/l	97
48) Ethyl methacrylate	8.332	69	156704	9.842	ug/l	95
49) Toluene	7.965	92	481427	10.738	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	219535	10.615	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	270816	10.573	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	133675	10.324	ug/l	97
53) 1,3-Dichloropropane	8.573	76	229544	10.277	ug/l	99
54) 2-Hexanone	8.679	43	508245	52.301	ug/l	98
55) Dibromochloromethane	8.808	129	153278	11.629	ug/l	98
56) 1,2-Dibromoethane	8.920	107	124262	10.417	ug/l	98
58) Tetrachloroethene	8.550	164	235291	13.677	ug/l	97
59) Chlorobenzene	9.444	112	526248	10.662	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	175834	11.720	ug/l	98
61) Pentachloroethane	11.422	117	77513	7.353	ug/l	92
62) Hexachloroethane	12.473	117	142875	11.784	ug/l	96
63) Ethyl Benzene	9.566	91	925153	10.687	ug/l	98
64) m/p-Xylenes	9.692	106	733053	22.149	ug/l	98
65) o-Xylene	10.097	106	348789	10.769	ug/l	99
66) Styrene	10.113	104	576541	11.578	ug/l	99
67) Bromoform	10.290	173	79263	12.778	ug/l	98
69) Isopropylbenzene	10.483	105	911731	10.750	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	134214	8.611	ug/l	100
71) 1,2,3-Trichloropropane	10.824	75	127113m	10.801	ug/l	
72) Bromobenzene	10.779	156	207687	11.690	ug/l	95
73) n-propylbenzene	10.904	120	258731	11.548	ug/l	95
74) 2-Chlorotoluene	10.984	126	221346	11.427	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	820534	11.522	ug/l	100
76) 4-Chlorotoluene	11.094	126	230763	11.473	ug/l	99
77) tert-Butylbenzene	11.418	119	717077	10.863	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	850529	11.727	ug/l	100
79) sec-Butylbenzene	11.640	105	1057851	11.126	ug/l	99
80) Nitrobenzene	13.206	77	16575	42.327	ug/l #	93
81) p-Isopropyltoluene	11.791	119	882895	11.822	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	445356	11.761	ug/l	100
83) 1,4-Dichlorobenzene	11.833	146	441734	11.528	ug/l	99
84) n-Butylbenzene	12.206	91	815088	11.046	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	410957	11.453	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	24052	10.161	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	254157	12.144	ug/l	99
88) Hexachlorobutadiene	14.020	225	148341	14.820	ug/l	99
89) Naphthalene	14.084	128	388531	9.227	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	221725	12.297	ug/l	99

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

