

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072823\
 Data File : VU054912.D
 Acq On : 28 Jul 2023 16:10
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 23:13:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 09:45:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	26419	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	9290	1.160	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10591	1.170	ug/l	0.00
Spiked Amount 1.000			Recovery	=	117.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	48125	9.566	ug/l	99
3) Chloromethane	1.515	50	56802	10.051	ug/l	96
4) Vinyl Chloride	1.599	62	78172	10.357	ug/l	98
5) Bromomethane	1.853	94	62886	10.503	ug/l	100
6) Chloroethane	1.927	64	79102	10.140	ug/l	100
7) Trichlorofluoromethane	2.133	101	157937	8.907	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	58401	10.163	ug/l	98
9) 1,1-Dichloroethene	2.573	96	44883	9.840	ug/l	92
10) Iodomethane	2.715	142	71965	10.107	ug/l	98
11) Allyl Chloride	2.917	41	54316	9.964	ug/l	98
12) Acrylonitrile	3.322	53	25018	21.856	ug/l	98
13) Acetone	2.637	43	102941	86.041	ug/l	95
14) Carbon Disulfide	2.785	76	70544	8.927	ug/l	97
15) Methylene Chloride	3.039	84	80744	13.892	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	52262	10.525	ug/l	98
17) 1,1-Dichloroethane	3.866	63	113998	10.265	ug/l	98
18) 2-Butanone	4.708	43	117168	77.632	ug/l	98
19) Cyclohexane	5.383	56	69014m	11.044	ug/l	
20) Methylcyclohexane	6.760	83	85006	10.173	ug/l	99
21) 2,2-Dichloropropane	4.660	77	101685	9.878	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	71200	10.790	ug/l	97
23) Diethyl Ether	2.374	59	72654	10.797	ug/l	97
24) tert-Butyl Alcohol	3.210	59	63237	101.014	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	157522	11.161	ug/l	100
26) Bromochloromethane	4.969	128	28567	10.556	ug/l	97
27) Chloroform	5.084	83	129632	10.869	ug/l	98
28) 1,1,1-Trichloroethane	5.313	97	106849	10.373	ug/l	98
29) 1,1-Dichloropropene	5.525	75	77001	10.133	ug/l	98
30) Carbon Tetrachloride	5.522	117	88969	10.347	ug/l	94
31) Isopropyl Ether	3.991	45	174629	10.653	ug/l	100
32) Ethyl-t-butyl ether	4.496	59	177746	10.531	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	174233	10.918	ug/l	99
34) Propionitrile	4.789	54	27434	65.931	ug/l #	96
35) Benzene	5.769	78	247504	10.402	ug/l	97
36) 1,2-Dichloroethane	5.792	62	75806	11.199	ug/l	98
37) Trichloroethene	6.541	130	69084	10.795	ug/l	99
38) 1,2-Dichloropropane	6.788	63	72930	10.842	ug/l	99
39) Methacrylonitrile	4.975	41	18749	11.239	ug/l	96
40) Methyl acrylate	4.846	55	31054	11.708	ug/l #	94
41) Tetrahydrofuran	5.055	42	20251	21.231	ug/l	93
42) 1-Chlorobutane	5.454	56	98640	9.914	ug/l	97
43) Dibromomethane	6.914	93	36812	11.651	ug/l	96
44) Bromodichloromethane	7.104	83	97126	11.034	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	229065	62.135	ug/l	99
46) t-1,4-Dichloro-2-butene	10.836	75	32995m	22.244	ug/l	
47) Methyl methacrylate	6.959	69	69234	23.969	ug/l	98
48) Ethyl methacrylate	8.332	69	69971	11.977	ug/l	98
49) Toluene	7.965	92	165359	10.909	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	87150	11.151	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	100350	10.446	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	55609	11.102	ug/l	96
53) 1,3-Dichloropropane	8.573	76	93154	11.497	ug/l	99
54) 2-Hexanone	8.682	43	196373	74.963	ug/l	99
55) Dibromochloromethane	8.808	129	66746	11.630	ug/l	100
56) 1,2-Dibromoethane	8.923	107	49489	11.659	ug/l	99
58) Tetrachloroethene	8.550	164	63299	11.331	ug/l	97
59) Chlorobenzene	9.444	112	197272	10.724	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	72655	11.187	ug/l	100
61) Pentachloroethane	11.425	117	53473	10.540	ug/l	98
62) Hexachloroethane	12.473	117	58283	11.171	ug/l	97
63) Ethyl Benzene	9.566	91	336266	10.894	ug/l	99
64) m/p-Xylenes	9.692	106	253304	21.934	ug/l	97
65) o-Xylene	10.097	106	126786	10.689	ug/l	99
66) Styrene	10.113	104	220026	11.601	ug/l	98
67) Bromoform	10.290	173	35535	11.941	ug/l	98
69) Isopropylbenzene	10.483	105	344040	10.804	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.779	83	74835	12.071	ug/l	98
71) 1,2,3-Trichloropropane	10.824	75	53317m	12.074	ug/l	
72) Bromobenzene	10.779	156	79781	11.252	ug/l	98
73) n-propylbenzene	10.904	120	94666	11.108	ug/l	99
74) 2-Chlorotoluene	10.984	126	81094	10.992	ug/l	100
75) 1,3,5-Trimethylbenzene	11.087	105	288795	11.199	ug/l	100
76) 4-Chlorotoluene	11.094	126	87690	11.440	ug/l	99
77) tert-Butylbenzene	11.418	119	291449	10.867	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	301445	11.418	ug/l	100
79) sec-Butylbenzene	11.640	105	394862	11.326	ug/l	99
80) Nitrobenzene	13.203	77	9772	59.992	ug/l #	95
81) p-Isopropyltoluene	11.791	119	321583	11.687	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	169295	11.216	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	171306	11.385	ug/l	100
84) n-Butylbenzene	12.206	91	290628	11.759	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	158983	10.988	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.994	75	10134	12.295	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	100585	10.900	ug/l	99
88) Hexachlorobutadiene	14.020	225	54339	11.040	ug/l	99
89) Naphthalene	14.084	128	155775	10.900	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	89932	10.984	ug/l	100

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

