

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021225\
 Data File : VU063260.D
 Acq On : 12 Feb 2025 18:23
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

Quant Time: Feb 13 03:16:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 08:42:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.106	96	54240	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	19262	1.077	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.180	152	19793	1.064	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	169480	9.617	ug/l	100
3) Chloromethane	1.515	50	191815	9.451	ug/l	99
4) Vinyl Chloride	1.599	62	195006	9.712	ug/l	100
5) Bromomethane	1.840	94	109147	11.124	ug/l	99
6) Chloroethane	1.920	64	118520	9.371	ug/l	99
7) Trichlorofluoromethane	2.126	101	235024	9.877	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	135368	10.023	ug/l	99
9) 1,1-Dichloroethene	2.566	96	137418	9.986	ug/l	99
10) Iodomethane	2.708	142	228118	10.545	ug/l	100
11) Allyl Chloride	2.910	41	194167	9.822	ug/l	100
12) Acrylonitrile	3.303	53	66150	20.842	ug/l	96
13) Acetone	2.611	43	113082	46.334	ug/l	98
14) Carbon Disulfide	2.779	76	461876	9.599	ug/l	99
15) Methylene Chloride	3.029	84	166692	9.805	ug/l	99
16) trans-1,2-Dichloroethene	3.338	96	158870	10.116	ug/l	100
17) 1,1-Dichloroethane	3.853	63	295797	9.992	ug/l	99
18) 2-Butanone	4.685	43	198684	51.152	ug/l	99
19) Cyclohexane	5.373	56	245530m	10.322	ug/l	
20) Methylcyclohexane	6.750	83	255530	10.833	ug/l	99
21) 2,2-Dichloropropane	4.647	77	226144	9.792	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	179243	10.563	ug/l	97
23) Diethyl Ether	2.364	59	114177	9.670	ug/l	98
24) tert-Butyl Alcohol	3.164	59	107197	88.132	ug/l	98
25) Methyl tert-Butyl Ether	3.348	73	354384	10.311	ug/l	100
26) Bromochloromethane	4.959	128	75237	10.143	ug/l	99
27) Chloroform	5.071	83	303105	10.146	ug/l	98
28) 1,1,1-Trichloroethane	5.299	97	247257	10.217	ug/l	99
29) 1,1-Dichloropropene	5.512	75	227497	10.496	ug/l	99
30) Carbon Tetrachloride	5.508	117	213346	10.280	ug/l	99
31) Isopropyl Ether	3.975	45	437370	10.349	ug/l	99
32) Ethyl-t-butyl ether	4.483	59	405807	10.559	ug/l	100
33) Tert-Amyl methyl ether	5.926	73	361801	10.774	ug/l	100
34) Propionitrile	4.756	54	64170	54.775	ug/l	99
35) Benzene	5.759	78	685092	10.279	ug/l	100
36) 1,2-Dichloroethane	5.779	62	192489	10.007	ug/l	100
37) Trichloroethene	6.528	130	160397	10.120	ug/l	97
38) 1,2-Dichloropropane	6.778	63	178723	10.246	ug/l	99
39) Methacrylonitrile	4.955	41	47926	10.977	ug/l	97
40) Methyl acrylate	4.833	55	81768	10.162	ug/l	98
41) Tetrahydrofuran	5.039	42	50932	20.058	ug/l	99
42) 1-Chlorobutane	5.444	56	311205	10.494	ug/l	98
43) Dibromomethane	6.907	93	89384	10.119	ug/l	98
44) Bromodichloromethane	7.094	83	213512	10.385	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.775	43	493444	53.285	ug/l	99
46) t-1,4-Dichloro-2-butene	10.820	75	92410m	21.228	ug/l	
47) Methyl methacrylate	6.949	69	164473	22.107	ug/l	99
48) Ethyl methacrylate	8.322	69	160829	11.512	ug/l	99
49) Toluene	7.958	92	415815	10.849	ug/l	98
50) t-1,3-Dichloropropene	8.200	75	205245	10.904	ug/l	98
51) cis-1,3-Dichloropropene	7.595	75	243677	10.480	ug/l	99
52) 1,1,2-Trichloroethane	8.386	97	125116	10.506	ug/l	98
53) 1,3-Dichloropropane	8.563	76	219644	10.388	ug/l	98
54) 2-Hexanone	8.669	43	333496	52.772	ug/l	98
55) Dibromochloromethane	8.798	129	146154	10.667	ug/l	96
56) 1,2-Dibromoethane	8.910	107	115275	10.320	ug/l	99
58) Tetrachloroethene	8.540	164	136390	10.442	ug/l	99
59) Chlorobenzene	9.434	112	435273	10.762	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.521	131	154958	10.659	ug/l	98
61) Pentachloroethane	11.415	117	136460	10.508	ug/l	98
62) Hexachloroethane	12.463	117	125621	10.934	ug/l	100
63) Ethyl Benzene	9.560	91	784915	11.253	ug/l	100
64) m/p-Xylenes	9.682	106	603720	23.171	ug/l	100
65) o-Xylene	10.090	106	287528	11.272	ug/l	99
66) Styrene	10.103	104	480488	11.837	ug/l	99
67) Bromoform	10.280	173	83777	10.773	ug/l	99
69) Isopropylbenzene	10.473	105	682225	11.377	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.769	83	160456	9.996	ug/l	98
71) 1,2,3-Trichloropropane	10.814	75	111336m	9.232	ug/l	
72) Bromobenzene	10.772	156	178496	11.048	ug/l	98
73) n-propylbenzene	10.894	120	204830	11.930	ug/l	100
74) 2-Chlorotoluene	10.974	126	181816	11.491	ug/l	96
75) 1,3,5-Trimethylbenzene	11.077	105	648270	11.667	ug/l	99
76) 4-Chlorotoluene	11.087	126	184066	11.344	ug/l	98
77) tert-Butylbenzene	11.409	119	631724	11.242	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	656188	11.902	ug/l	100
79) sec-Butylbenzene	11.630	105	837033	11.699	ug/l	100
80) Nitrobenzene	13.203	77	21120m	44.846	ug/l	
81) p-Isopropyltoluene	11.781	119	672698	11.914	ug/l	100
82) 1,3-Dichlorobenzene	11.733	146	344169	10.982	ug/l	100
83) 1,4-Dichlorobenzene	11.823	146	341148	11.130	ug/l	99
84) n-Butylbenzene	12.196	91	607994	12.008	ug/l	99
85) 1,2-Dichlorobenzene	12.199	146	325750	10.816	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.984	75	23693	10.516	ug/l	99
87) 1,2,4-Trichlorobenzene	13.830	180	173428	11.807	ug/l	99
88) Hexachlorobutadiene	14.010	225	114407	10.899	ug/l	99
89) Naphthalene	14.077	128	275462	9.047	ug/l	100
90) 1,2,3-Trichlorobenzene	14.318	180	174658	12.153	ug/l	99

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

