

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021225\
 Data File : VU063249.D
 Acq On : 12 Feb 2025 10:48
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Feb 13 03:06:27 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	6.107	96	54296	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	23785	1.328	ug/l	0.00
Spiked Amount 1.000			Recovery	=	133.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	18535	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	171269	9.709	ug/l	97
3) Chloromethane	1.515	50	190441	9.374	ug/l	99
4) Vinyl Chloride	1.596	62	196947	9.798	ug/l	99
5) Bromomethane	1.843	94	109059	11.104	ug/l	100
6) Chloroethane	1.920	64	118841	9.387	ug/l	100
7) Trichlorofluoromethane	2.129	101	237258	9.961	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	139748	10.336	ug/l	99
9) 1,1-Dichloroethene	2.570	96	141173	10.249	ug/l	97
10) Iodomethane	2.708	142	226361	10.453	ug/l	100
11) Allyl Chloride	2.911	41	197730	9.992	ug/l	98
12) Acrylonitrile	3.306	53	65351	20.569	ug/l	99
13) Acetone	2.618	43	109824	44.953	ug/l	99
14) Carbon Disulfide	2.782	76	469449	9.747	ug/l	100
15) Methylene Chloride	3.033	84	166812	9.802	ug/l	97
16) trans-1,2-Dichloroethene	3.338	96	160953	10.238	ug/l	99
17) 1,1-Dichloroethane	3.853	63	299422	10.104	ug/l	99
18) 2-Butanone	4.689	43	189558	48.752	ug/l	98
19) Cyclohexane	5.374	56	256943m	10.790	ug/l	
20) Methylcyclohexane	6.753	83	268292	11.362	ug/l	98
21) 2,2-Dichloropropane	4.647	77	237576	10.276	ug/l	100
22) cis-1,2-Dichloroethene	4.653	96	174819	10.291	ug/l	99
23) Diethyl Ether	2.367	59	114120	9.655	ug/l	98
24) tert-Butyl Alcohol	3.174	59	102081	83.500	ug/l	99
25) Methyl tert-Butyl Ether	3.348	73	354554	10.306	ug/l	99
26) Bromochloromethane	4.959	128	74753	10.068	ug/l	99
27) Chloroform	5.071	83	300401	10.045	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	246535	10.177	ug/l	100
29) 1,1-Dichloropropene	5.512	75	232266	10.705	ug/l	99
30) Carbon Tetrachloride	5.512	117	213796	10.291	ug/l	98
31) Isopropyl Ether	3.975	45	439672	10.392	ug/l	99
32) Ethyl-t-butyl ether	4.486	59	404830	10.522	ug/l	99
33) Tert-Amyl methyl ether	5.927	73	364333	10.838	ug/l	100
34) Propionitrile	4.759	54	60683	51.745	ug/l #	98
35) Benzene	5.759	78	686051	10.283	ug/l	100
36) 1,2-Dichloroethane	5.779	62	191321	9.936	ug/l	99
37) Trichloroethene	6.531	130	162142	10.219	ug/l	95
38) 1,2-Dichloropropane	6.779	63	179409	10.274	ug/l	98
39) Methacrylonitrile	4.959	41	47930	10.967	ug/l	94
40) Methyl acrylate	4.837	55	83334	10.346	ug/l #	98
41) Tetrahydrofuran	5.039	42	51395	20.220	ug/l	96
42) 1-Chlorobutane	5.444	56	309896	10.439	ug/l	100
43) Dibromomethane	6.907	93	88575	10.017	ug/l	98
44) Bromodichloromethane	7.094	83	212526	10.327	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	488624	52.711	ug/l	99
46) t-1,4-Dichloro-2-butene	10.820	75	95729m	21.967	ug/l	
47) Methyl methacrylate	6.949	69	164430	22.078	ug/l	99
48) Ethyl methacrylate	8.322	69	160597	11.484	ug/l	99
49) Toluene	7.959	92	419404	10.932	ug/l	99
50) t-1,3-Dichloropropene	8.200	75	203081	10.778	ug/l	99
51) cis-1,3-Dichloropropene	7.595	75	243151	10.447	ug/l	98
52) 1,1,2-Trichloroethane	8.386	97	125016	10.486	ug/l	97
53) 1,3-Dichloropropane	8.563	76	217877	10.294	ug/l	99
54) 2-Hexanone	8.672	43	333762	52.760	ug/l	98
55) Dibromochloromethane	8.798	129	142483	10.388	ug/l	99
56) 1,2-Dibromoethane	8.914	107	114002	10.196	ug/l	98
58) Tetrachloroethene	8.544	164	141699	10.837	ug/l	99
59) Chlorobenzene	9.438	112	424889	10.494	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.521	131	152380	10.471	ug/l	98
61) Pentachloroethane	11.415	117	128136	9.856	ug/l	98
62) Hexachloroethane	12.463	117	120228	10.453	ug/l	98
63) Ethyl Benzene	9.560	91	782784	11.211	ug/l	100
64) m/p-Xylenes	9.682	106	600186	23.011	ug/l	99
65) o-Xylene	10.090	106	285666	11.188	ug/l	98
66) Styrene	10.103	104	473092	11.643	ug/l	100
67) Bromoform	10.280	173	81654	10.490	ug/l	100
69) Isopropylbenzene	10.473	105	681530	11.354	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.769	83	159278	9.913	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	116559m	9.656	ug/l	
72) Bromobenzene	10.772	156	173177	10.707	ug/l	99
73) n-propylbenzene	10.894	120	203622	11.848	ug/l	99
74) 2-Chlorotoluene	10.975	126	176492	11.143	ug/l	99
75) 1,3,5-Trimethylbenzene	11.078	105	641052	11.526	ug/l	100
76) 4-Chlorotoluene	11.087	126	184692	11.371	ug/l	96
77) tert-Butylbenzene	11.409	119	619981	11.021	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	641240	11.619	ug/l	100
79) sec-Butylbenzene	11.634	105	825347	11.524	ug/l	100
80) Nitrobenzene	13.203	77	20299m	43.211	ug/l	
81) p-Isopropyltoluene	11.782	119	668338	11.824	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	335328	10.689	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	335268	10.926	ug/l	99
84) n-Butylbenzene	12.200	91	601201	11.862	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	316850	10.510	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.984	75	23790	10.548	ug/l	99
87) 1,2,4-Trichlorobenzene	13.830	180	178545	12.143	ug/l	99
88) Hexachlorobutadiene	14.010	225	116891	11.124	ug/l	99
89) Naphthalene	14.077	128	273523	8.979	ug/l	100
90) 1,2,3-Trichlorobenzene	14.319	180	170303	11.837	ug/l	99

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

