

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063584.D
 Acq On : 15 Sep 2025 17:45
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 04:59:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 03:31:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.097	96	40369	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	12730	0.846	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	14163	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	106844	8.020	ug/l	99
3) Chloromethane	1.518	50	101897	7.810	ug/l	96
4) Vinyl Chloride	1.599	62	113001	7.995	ug/l	99
5) Bromomethane	1.834	94	64685	7.413	ug/l	99
6) Chloroethane	1.917	64	69449	7.642	ug/l	98
7) Trichlorofluoromethane	2.126	101	166110	8.008	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	92165	7.936	ug/l	99
9) 1,1-Dichloroethene	2.567	96	82422	7.835	ug/l	98
10) Iodomethane	2.708	142	125970	8.323	ug/l	100
11) Allyl Chloride	2.911	41	134161	7.670	ug/l	99
12) Acrylonitrile	3.303	53	51158	16.066	ug/l	98
13) Acetone	2.615	43	107942	23.945	ug/l	100
14) Carbon Disulfide	2.779	76	157428	7.163	ug/l	99
15) Methylene Chloride	3.030	84	110754	7.968	ug/l	100
16) trans-1,2-Dichloroethene	3.338	96	90401	8.064	ug/l	95
17) 1,1-Dichloroethane	3.853	63	204900	7.980	ug/l	99
18) 2-Butanone	4.705	43	163920	31.927	ug/l	99
19) Cyclohexane	5.367	56	157327	7.651	ug/l	91
20) Methylcyclohexane	6.740	83	151184	8.019	ug/l	99
21) 2,2-Dichloropropane	4.647	77	138702	7.303	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	108829	7.908	ug/l	99
23) Diethyl Ether	2.367	59	74164	7.954	ug/l	99
24) tert-Butyl Alcohol	3.181	59	91509	74.045	ug/l	99
25) Methyl tert-Butyl Ether	3.358	73	249064	7.928	ug/l	99
26) Bromochloromethane	4.956	128	46961	8.443	ug/l	95
27) Chloroform	5.071	83	204334	7.952	ug/l	98
28) 1,1,1-Trichloroethane	5.296	97	161271	8.165	ug/l	99
29) 1,1-Dichloropropene	5.509	75	154421	8.415	ug/l	97
30) Carbon Tetrachloride	5.502	117	126309	8.686	ug/l	98
31) Isopropyl Ether	3.988	45	336129	7.810	ug/l	99
32) Ethyl-t-butyl ether	4.499	59	285584	7.768	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	300626	9.598	ug/l	99
34) Propionitrile	4.766	54	47814	39.815	ug/l	97
35) Benzene	5.756	78	485406	9.188	ug/l	97
36) 1,2-Dichloroethane	5.779	62	171865	9.641	ug/l	97
37) Trichloroethene	6.521	130	107074	8.143	ug/l	96
38) 1,2-Dichloropropane	6.775	63	120606	8.617	ug/l	97
39) Methacrylonitrile	4.968	41	42866	7.562	ug/l	97
40) Methyl acrylate	4.840	55	56057	7.213	ug/l	# 98
41) Tetrahydrofuran	5.052	42	42620	14.422	ug/l	96
42) 1-Chlorobutane	5.441	56	227539	8.844	ug/l	98
43) Dibromomethane	6.901	93	56248	8.382	ug/l	99
44) Bromodichloromethane	7.091	83	124757	8.701	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	399409	47.524	ug/l	99
46) t-1,4-Dichloro-2-butene	10.820	75	42242m	13.433	ug/l	
47) Methyl methacrylate	6.959	69	107069	17.835	ug/l	95
48) Ethyl methacrylate	8.332	69	96266	8.646	ug/l	99
49) Toluene	7.955	92	250432	8.734	ug/l	99
50) t-1,3-Dichloropropene	8.200	75	84753	7.891	ug/l	95
51) cis-1,3-Dichloropropene	7.595	75	132165	9.250	ug/l	96
52) 1,1,2-Trichloroethane	8.390	97	79923	8.414	ug/l	98
53) 1,3-Dichloropropane	8.566	76	137896	8.356	ug/l	100
54) 2-Hexanone	8.685	43	234166	38.128	ug/l	99
55) Dibromochloromethane	8.801	129	75455	8.197	ug/l	98
56) 1,2-Dibromoethane	8.914	107	68730	8.388	ug/l	100
58) Tetrachloroethene	8.541	164	104780	8.091	ug/l	97
59) Chlorobenzene	9.438	112	277915	8.412	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.525	131	89560	8.299	ug/l	98
61) Pentachloroethane	11.418	117	65859	8.515	ug/l	100
62) Hexachloroethane	12.467	117	59002	8.770	ug/l	96
63) Ethyl Benzene	9.560	91	480846	8.524	ug/l	98
64) m/p-Xylenes	9.685	106	376466	17.367	ug/l	99
65) o-Xylene	10.090	106	184685	8.512	ug/l	99
66) Styrene	10.107	104	312428	9.020	ug/l	100
67) Bromoform	10.280	173	38385	8.371	ug/l	99
69) Isopropylbenzene	10.473	105	451963	8.581	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.772	83	103859	8.587	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	80252m	8.950	ug/l	
72) Bromobenzene	10.772	156	119275	8.729	ug/l	98
73) n-propylbenzene	10.897	120	134501	8.834	ug/l	95
74) 2-Chlorotoluene	10.978	126	121048	8.794	ug/l	99
75) 1,3,5-Trimethylbenzene	11.078	105	440713	8.947	ug/l	99
76) 4-Chlorotoluene	11.087	126	123293	8.551	ug/l	99
77) tert-Butylbenzene	11.412	119	415512	8.725	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	439477	9.167	ug/l	99
79) sec-Butylbenzene	11.634	105	572209	8.869	ug/l	100
80) Nitrobenzene	13.203	77	7834	35.214	ug/l #	94
81) p-Isopropyltoluene	11.785	119	472621	9.104	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	239807	8.721	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	240242	8.506	ug/l	99
84) n-Butylbenzene	12.200	91	438354	9.010	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	231249	8.719	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	14215	9.119	ug/l	96
87) 1,2,4-Trichlorobenzene	13.833	180	136801	8.518	ug/l	98
88) Hexachlorobutadiene	14.010	225	88230	8.829	ug/l	100
89) Naphthalene	14.077	128	245758	8.656	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	140164	9.197	ug/l	100

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

