

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071725\
 Data File : VU063519.D
 Acq On : 17 Jul 2025 09:25
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:09:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	27500	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	10050	0.965	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	9321	0.968	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	78194	9.643	ug/l	99
3) Chloromethane	1.518	50	74637	9.902	ug/l	99
4) Vinyl Chloride	1.599	62	93296	9.718	ug/l	100
5) Bromomethane	1.840	94	66515	9.188	ug/l	99
6) Chloroethane	1.923	64	56651	9.774	ug/l	98
7) Trichlorofluoromethane	2.126	101	132982	9.648	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	71124	9.874	ug/l	99
9) 1,1-Dichloroethene	2.567	96	70211	9.834	ug/l	99
10) Iodomethane	2.708	142	96119	9.096	ug/l	99
11) Allyl Chloride	2.907	41	102152	9.904	ug/l	99
12) Acrylonitrile	3.303	53	34689	19.426	ug/l	99
13) Acetone	2.618	43	109552	76.573	ug/l	98
14) Carbon Disulfide	2.779	76	221309	9.597	ug/l	100
15) Methylene Chloride	3.030	84	78569	9.347	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	77415	9.547	ug/l	98
17) 1,1-Dichloroethane	3.849	63	147481	9.813	ug/l	98
18) 2-Butanone	4.708	43	137001	61.835	ug/l	100
19) Cyclohexane	5.364	56	120216	9.447	ug/l	97
20) Methylcyclohexane	6.740	83	128329	10.376	ug/l	97
21) 2,2-Dichloropropane	4.647	77	125291	9.790	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	85795	9.751	ug/l	99
23) Diethyl Ether	2.367	59	54743	10.062	ug/l	99
24) tert-Butyl Alcohol	3.184	59	63328	96.429	ug/l	100
25) Methyl tert-Butyl Ether	3.357	73	187363	10.052	ug/l	100
26) Bromochloromethane	4.955	128	37081	10.094	ug/l	98
27) Chloroform	5.071	83	149276	9.734	ug/l	100
28) 1,1,1-Trichloroethane	5.296	97	128095	9.841	ug/l	99
29) 1,1-Dichloropropene	5.505	75	116999	9.703	ug/l	98
30) Carbon Tetrachloride	5.502	117	106784	10.193	ug/l	96
31) Isopropyl Ether	3.991	45	221350	9.757	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	204582	9.745	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	181869	9.982	ug/l	100
34) Propionitrile	4.772	54	31784	47.084	ug/l #	94
35) Benzene	5.756	78	326804	10.088	ug/l	98
36) 1,2-Dichloroethane	5.782	62	101239	10.057	ug/l	99
37) Trichloroethene	6.525	130	87532	10.590	ug/l	97
38) 1,2-Dichloropropane	6.779	63	84731	11.175	ug/l	100
39) Methacrylonitrile	4.968	41	27645	9.213	ug/l	99
40) Methyl acrylate	4.846	55	40963	9.339	ug/l	96
41) Tetrahydrofuran	5.058	42	28312	17.936	ug/l	99
42) 1-Chlorobutane	5.438	56	159543	9.953	ug/l	100
43) Dibromomethane	6.904	93	39541	10.067	ug/l	95
44) Bromodichloromethane	7.094	83	89050	10.053	ug/l #	98

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45) 4-Methyl-2-Pentanone	7.795	43	211583	52.266	ug/l	100
46) t-1,4-Dichloro-2-butene	10.823	75	28706m	18.890	ug/l	
47) Methyl methacrylate	6.962	69	68946	20.900	ug/l	97
48) Ethyl methacrylate	8.332	69	68373	10.861	ug/l	98
49) Toluene	7.959	92	179669	10.158	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	76515	11.010	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	98787	10.590	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	54808	10.365	ug/l	97
53) 1,3-Dichloropropane	8.566	76	91688	10.044	ug/l	99
54) 2-Hexanone	8.685	43	162869	60.570	ug/l	100
55) Dibromochloromethane	8.801	129	62870	11.250	ug/l	100
56) 1,2-Dibromoethane	8.917	107	48870	10.326	ug/l	99
58) Tetrachloroethene	8.541	164	73468	9.712	ug/l	99
59) Chlorobenzene	9.438	112	208332	10.255	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	67746	10.370	ug/l	99
61) Pentachloroethane	11.418	117	49738	10.774	ug/l	100
62) Hexachloroethane	12.466	117	50359	11.016	ug/l	100
63) Ethyl Benzene	9.563	91	354702	10.146	ug/l	100
64) m/p-Xylenes	9.685	106	280366	20.632	ug/l	99
65) o-Xylene	10.090	106	137219	10.509	ug/l	99
66) Styrene	10.106	104	224585	10.792	ug/l	100
67) Bromoform	10.283	173	31862	11.101	ug/l	99
69) Isopropylbenzene	10.476	105	331800	10.511	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	67383	10.472	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	53509m	10.239	ug/l	
72) Bromobenzene	10.775	156	85460	10.490	ug/l	98
73) n-propylbenzene	10.897	120	100342	10.559	ug/l	98
74) 2-Chlorotoluene	10.978	126	87826	10.457	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	319519	10.596	ug/l	99
76) 4-Chlorotoluene	11.090	126	91522	10.731	ug/l	96
77) tert-Butylbenzene	11.412	119	303113	10.518	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	319824	10.690	ug/l	100
79) sec-Butylbenzene	11.634	105	407802	10.493	ug/l	100
80) Nitrobenzene	13.203	77	6990	48.829	ug/l	98
81) p-Isopropyltoluene	11.785	119	347537	10.712	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	170997	10.490	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	171995	10.541	ug/l	99
84) n-Butylbenzene	12.200	91	331771	11.026	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	161014	10.514	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	11077	10.149	ug/l	96
87) 1,2,4-Trichlorobenzene	13.833	180	104878	11.013	ug/l	100
88) Hexachlorobutadiene	14.013	225	56592	10.464	ug/l	99
89) Naphthalene	14.081	128	188918	11.071	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	98222	11.161	ug/l	98

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

