

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063425.D
 Acq On : 23 Jun 2025 13:05
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Quant Time: Jun 24 04:43:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

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

Internal Standards						
1) Fluorobenzene	6.103	96	55542	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	21764	1.067	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	21650	1.057	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	320918	15.043	ug/l	99
3) Chloromethane	1.518	50	402670	14.328	ug/l	99
4) Vinyl Chloride	1.599	62	360109	14.964	ug/l	99
5) Bromomethane	1.840	94	154228	13.377	ug/l	98
6) Chloroethane	1.920	64	205002	14.383	ug/l	99
7) Trichlorofluoromethane	2.126	101	411631	15.000	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	220192m	15.066	ug/l	
9) 1,1-Dichloroethene	2.567	96	220427	15.114	ug/l	99
10) Iodomethane	2.708	142	211003	17.924	ug/l	99
11) Allyl Chloride	2.911	41	387123	14.902	ug/l	99
12) Acrylonitrile	3.303	53	126007m	29.902	ug/l	
13) Acetone	2.618	43	379532	75.787	ug/l	99
14) Carbon Disulfide	2.779	76	759256	14.929	ug/l	100
15) Methylene Chloride	3.030	84	266545	14.419	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	243631	14.847	ug/l	98
17) 1,1-Dichloroethane	3.849	63	509832	14.797	ug/l	100
18) 2-Butanone	4.708	43	490050	83.335	ug/l	100
19) Cyclohexane	5.364	56	425245	16.313	ug/l	94
20) Methylcyclohexane	6.746	83	424768m	17.635	ug/l	
21) 2,2-Dichloropropane	4.647	77	370265	15.119	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	261791	14.616	ug/l	98
23) Diethyl Ether	2.370	59	202958	15.423	ug/l	98
24) tert-Butyl Alcohol	3.187	59	220125	158.795	ug/l	99
25) Methyl tert-Butyl Ether	3.357	73	614070	15.482	ug/l	99
26) Bromochloromethane	4.959	128	103279	14.815	ug/l	99
27) Chloroform	5.074	83	469579	14.538	ug/l	98
28) 1,1,1-Trichloroethane	5.296	97	385099	14.703	ug/l	98
29) 1,1-Dichloropropene	5.505	75	364936	15.253	ug/l	96
30) Carbon Tetrachloride	5.502	117	309522	14.796	ug/l	98
31) Isopropyl Ether	3.991	45	803593	14.841	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	703516m	15.428	ug/l	
33) Tert-Amyl methyl ether	5.943	73	563733	17.293	ug/l	98
34) Propionitrile	4.772	54	120791	71.011	ug/l	98
35) Benzene	5.756	78	1083494	14.970	ug/l	99
36) 1,2-Dichloroethane	5.782	62	320302	15.139	ug/l	99
37) Trichloroethene	6.528	130	264898	15.488	ug/l	100
38) 1,2-Dichloropropane	6.782	63	316392	15.828	ug/l	100
39) Methacrylonitrile	4.972	41	102606	14.497	ug/l	99
40) Methyl acrylate	4.846	55	162541	16.324	ug/l	98
41) Tetrahydrofuran	5.058	42	107618	28.267	ug/l	99
42) 1-Chlorobutane	5.441	56	547855	16.141	ug/l	100
43) Dibromomethane	6.907	93	143318	15.348	ug/l	97
44) Bromodichloromethane	7.097	83	343381	15.096	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	872495	87.043	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	90745m	28.361	ug/l	
47) Methyl methacrylate	6.965	69	272864	30.195	ug/l	98
48) Ethyl methacrylate	8.332	69	255214	14.986	ug/l	98
49) Toluene	7.962	92	681570	17.153	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	302780	18.459	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	393078	17.841	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	209627	15.357	ug/l	99
53) 1,3-Dichloropropane	8.569	76	368628	15.696	ug/l	99
54) 2-Hexanone	8.685	43	632599	75.090	ug/l	98
55) Dibromochloromethane	8.801	129	228158	16.200	ug/l	98
56) 1,2-Dibromoethane	8.917	107	168843	15.258	ug/l	98
58) Tetrachloroethene	8.544	164	267118	15.920	ug/l	99
59) Chlorobenzene	9.441	112	696251	16.367	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	235721	15.394	ug/l	98
61) Pentachloroethane	11.418	117	176614	14.158	ug/l	96
62) Hexachloroethane	12.466	117	178100	15.875	ug/l	99
63) Ethyl Benzene	9.563	91	1247103	18.287	ug/l	100
64) m/p-Xylenes	9.685	106	979694	29.979	ug/l	98
65) o-Xylene	10.094	106	463041	17.872	ug/l	100
66) Styrene	10.106	104	786883	14.979	ug/l	99
67) Bromoform	10.283	173	124626	16.195	ug/l	99
69) Isopropylbenzene	10.476	105	1081336	18.016	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	265725	15.218	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	226643m	15.599	ug/l	
72) Bromobenzene	10.775	156	275102	16.328	ug/l	84
73) n-propylbenzene	10.897	120	331125	15.024	ug/l	99
74) 2-Chlorotoluene	10.978	126	288819	17.342	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	1080027	14.923	ug/l	99
76) 4-Chlorotoluene	11.090	126	306016	17.541	ug/l	93
77) tert-Butylbenzene	11.412	119	967031	17.535	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	1106183	15.016	ug/l	98
79) sec-Butylbenzene	11.634	105	1391528	17.816	ug/l	100
80) Nitrobenzene	13.203	77	63943m	77.243	ug/l	
81) p-Isopropyltoluene	11.785	119	1141962	14.991	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	558223	15.994	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	579089	16.003	ug/l	100
84) n-Butylbenzene	12.200	91	1143852	17.890	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	536861	16.073	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.984	75	39601	16.498	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	321704	17.274	ug/l	99
88) Hexachlorobutadiene	14.013	225	209808	15.890	ug/l	99
89) Naphthalene	14.081	128	611576	15.330	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	319688	17.264	ug/l	100

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

