

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103125\
 Data File : VU063656.D
 Acq On : 31 Oct 2025 10:04
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Nov 03 00:12:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:08:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.081	96	66318	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	26588	1.034	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	24387	0.953	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	21763	0.964	ug/l	99
3) Chloromethane	1.509	50	22267	1.021	ug/l	100
4) Vinyl Chloride	1.589	62	21642	0.920	ug/l	98
5) Bromomethane	1.833	94	14185	0.982	ug/l	94
6) Chloroethane	1.914	64	13973	0.930	ug/l	97
7) Trichlorofluoromethane	2.116	101	30947	0.900	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.554	101	17138	0.893	ug/l	98
9) 1,1-Dichloroethene	2.557	96	16278	0.930	ug/l	96
10) Iodomethane	2.695	142	19564	0.770	ug/l	94
11) Allyl Chloride	2.894	41	25638	0.892	ug/l	98
12) Acrylonitrile	3.284	53	7811	1.510	ug/l	# 90
13) Acetone	2.605	43	37319	4.849	ug/l	100
14) Carbon Disulfide	2.763	76	46374	1.201	ug/l	99
15) Methylene Chloride	3.013	84	21699	0.948	ug/l	97
16) trans-1,2-Dichloroethene	3.319	96	18253	0.969	ug/l	99
17) 1,1-Dichloroethane	3.830	63	35341	0.841	ug/l	99
18) 2-Butanone	4.692	43	37621	4.390	ug/l	97
19) Cyclohexane	5.341	56	27135	0.811	ug/l	97
20) Methylcyclohexane	6.727	83	34235	1.064	ug/l	96
21) 2,2-Dichloropropane	4.624	77	30878	0.963	ug/l	100
22) cis-1,2-Dichloroethene	4.634	96	20099	0.882	ug/l	99
23) Diethyl Ether	2.357	59	13042	0.845	ug/l	96
24) tert-Butyl Alcohol	3.171	59	23179	10.883	ug/l	95
25) Methyl tert-Butyl Ether	3.341	73	47756	0.914	ug/l	92
26) Bromochloromethane	4.939	128	8792	0.950	ug/l	98
27) Chloroform	5.052	83	36040	0.856	ug/l	97
28) 1,1,1-Trichloroethane	5.277	97	32142	0.971	ug/l	99
29) 1,1-Dichloropropene	5.486	75	26434	0.866	ug/l	96
30) Carbon Tetrachloride	5.483	117	24075	0.975	ug/l	99
31) Isopropyl Ether	3.972	45	54899	0.785	ug/l	97
32) Ethyl-t-butyl ether	4.483	59	56166	0.922	ug/l	100
33) Tert-Amyl methyl ether	5.923	73	48063	0.920	ug/l	99
34) Propionitrile	4.753	54	8000	4.093	ug/l	# 91
35) Benzene	5.737	78	74881	0.862	ug/l	95
36) 1,2-Dichloroethane	5.763	62	23805	0.814	ug/l	# 92
37) Trichloroethene	6.512	130	22575	1.028	ug/l	93
38) 1,2-Dichloropropane	6.762	63	20309	0.886	ug/l	96
39) Methacrylonitrile	4.955	41	8414m	0.913	ug/l	
40) Methyl acrylate	4.833	55	12468m	0.986	ug/l	
41) Tetrahydrofuran	5.042	42	7389	1.543	ug/l	95
42) 1-Chlorobutane	5.422	56	33574	0.789	ug/l	97
43) Dibromomethane	6.891	93	11257	0.992	ug/l	99
44) Bromodichloromethane	7.081	83	26071	1.058	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103125\
 Data File : VU063656.D
 Acq On : 31 Oct 2025 10:04
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Nov 03 00:12:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:08:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	67542	4.794	ug/l	99
46) t-1,4-Dichloro-2-butene	10.814	75	7493m	1.448	ug/l	
47) Methyl methacrylate	6.949	69	19634	1.915	ug/l	94
48) Ethyl methacrylate	8.319	69	20413	1.058	ug/l	100
49) Toluene	7.942	92	51950	1.065	ug/l	99
50) t-1,3-Dichloropropene	8.190	75	22926	1.204	ug/l	100
51) cis-1,3-Dichloropropene	7.582	75	29325	1.177	ug/l	99
52) 1,1,2-Trichloroethane	8.380	97	14861	0.937	ug/l	93
53) 1,3-Dichloropropane	8.553	76	26752	0.967	ug/l	99
54) 2-Hexanone	8.672	43	55754	5.244	ug/l	100
55) Dibromochloromethane	8.785	129	17016	1.068	ug/l	98
56) 1,2-Dibromoethane	8.897	107	13999	1.006	ug/l	98
58) Tetrachloroethene	8.528	164	21302	0.973	ug/l	95
59) Chlorobenzene	9.425	112	55288	0.997	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.508	131	20110	1.101	ug/l	94
61) Pentachloroethane	11.402	117	14120	1.085	ug/l	95
62) Hexachloroethane	12.447	117	14139	1.183	ug/l	97
63) Ethyl Benzene	9.547	91	98934	1.037	ug/l	99
64) m/p-Xylenes	9.669	106	74132	2.028	ug/l	98
65) o-Xylene	10.074	106	35493	0.972	ug/l	96
66) Styrene	10.094	104	57244	0.982	ug/l	98
67) Bromoform	10.267	173	9456	1.180	ug/l	99
69) Isopropylbenzene	10.460	105	88699	0.999	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.759	83	18757	0.931	ug/l	99
71) 1,2,3-Trichloropropane	10.801	75	19110m	1.230	ug/l	
72) Bromobenzene	10.759	156	21809	0.956	ug/l	99
73) n-propylbenzene	10.881	120	25499	1.001	ug/l	93
74) 2-Chlorotoluene	10.962	126	21936	0.958	ug/l	97
75) 1,3,5-Trimethylbenzene	11.065	105	82047	0.993	ug/l	99
76) 4-Chlorotoluene	11.074	126	21840	0.913	ug/l	97
77) tert-Butylbenzene	11.396	119	81334	1.014	ug/l	99
78) 1,2,4-Trimethylbenzene	11.444	105	75498	0.940	ug/l	97
79) sec-Butylbenzene	11.618	105	104262	0.964	ug/l	99
80) Nitrobenzene	13.200	77	3864m	11.484	ug/l	
81) p-Isopropyltoluene	11.769	119	83889	0.964	ug/l	99
82) 1,3-Dichlorobenzene	11.724	146	40986	0.900	ug/l	99
83) 1,4-Dichlorobenzene	11.814	146	41518	0.888	ug/l	98
84) n-Butylbenzene	12.183	91	74328	0.914	ug/l	98
85) 1,2-Dichlorobenzene	12.190	146	38713	0.883	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.971	75	2813	1.024	ug/l	92
87) 1,2,4-Trichlorobenzene	13.817	180	22717	0.850	ug/l	99
88) Hexachlorobutadiene	13.994	225	13731	0.836	ug/l	95
89) Naphthalene	14.068	128	43406	0.899	ug/l	98
90) 1,2,3-Trichlorobenzene	14.306	180	20495	0.812	ug/l	97

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

