

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103125\
 Data File : VU063657.D
 Acq On : 31 Oct 2025 10:35
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 00:13:38 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	57467	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	27890	1.252	ug/l	0.00
Spiked Amount 1.000			Recovery	=	125.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	24401	1.100	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	46263	2.366	ug/l	100
3) Chloromethane	1.509	50	43065	2.278	ug/l	100
4) Vinyl Chloride	1.589	62	44111	2.164	ug/l	98
5) Bromomethane	1.830	94	25469	2.035	ug/l	91
6) Chloroethane	1.911	64	25924	1.992	ug/l	98
7) Trichlorofluoromethane	2.116	101	65399	2.196	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.554	101	33257	2.000	ug/l	97
9) 1,1-Dichloroethene	2.554	96	32305	2.129	ug/l	100
10) Iodomethane	2.695	142	45695	2.076	ug/l	99
11) Allyl Chloride	2.894	41	52359	2.102	ug/l	99
12) Acrylonitrile	3.287	53	16463	3.674	ug/l	91
13) Acetone	2.605	43	71156	10.670	ug/l	97
14) Carbon Disulfide	2.763	76	92517	2.765	ug/l	98
15) Methylene Chloride	3.013	84	41362	2.085	ug/l	99
16) trans-1,2-Dichloroethene	3.322	96	36784	2.254	ug/l	96
17) 1,1-Dichloroethane	3.830	63	71945	1.976	ug/l	100
18) 2-Butanone	4.692	43	72751	9.796	ug/l	99
19) Cyclohexane	5.345	56	53480	1.844	ug/l	97
20) Methylcyclohexane	6.724	83	70988	2.546	ug/l	98
21) 2,2-Dichloropropane	4.628	77	62871	2.263	ug/l	100
22) cis-1,2-Dichloroethene	4.631	96	40721	2.061	ug/l	98
23) Diethyl Ether	2.357	59	27279	2.040	ug/l	98
24) tert-Butyl Alcohol	3.168	59	59030	31.986	ug/l #	93
25) Methyl tert-Butyl Ether	3.341	73	96490	2.130	ug/l	99
26) Bromochloromethane	4.936	128	17377	2.168	ug/l	97
27) Chloroform	5.052	83	72439	1.985	ug/l	96
28) 1,1,1-Trichloroethane	5.277	97	63007	2.197	ug/l	99
29) 1,1-Dichloropropene	5.486	75	53685	2.030	ug/l	99
30) Carbon Tetrachloride	5.483	117	50911	2.379	ug/l	98
31) Isopropyl Ether	3.972	45	114736	1.893	ug/l	100
32) Ethyl-t-butyl ether	4.480	59	111398	2.110	ug/l	100
33) Tert-Amyl methyl ether	5.923	73	94530	2.089	ug/l	99
34) Propionitrile	4.753	54	15507	9.155	ug/l #	93
35) Benzene	5.737	78	154212	2.048	ug/l	97
36) 1,2-Dichloroethane	5.763	62	49483	1.952	ug/l	99
37) Trichloroethene	6.508	130	45213	2.376	ug/l	97
38) 1,2-Dichloropropane	6.762	63	43070	2.168	ug/l	100
39) Methacrylonitrile	4.952	41	15422	1.930	ug/l #	89
40) Methyl acrylate	4.824	55	20567	1.876	ug/l	97
41) Tetrahydrofuran	5.042	42	13316	3.209	ug/l	92
42) 1-Chlorobutane	5.422	56	73221	1.987	ug/l	94
43) Dibromomethane	6.891	93	23190	2.359	ug/l	98
44) Bromodichloromethane	7.078	83	54373	2.546	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	137021	11.223	ug/l	99
46) t-1,4-Dichloro-2-butene	10.807	75	19930m	4.445	ug/l	
47) Methyl methacrylate	6.946	69	41398	4.659	ug/l	97
48) Ethyl methacrylate	8.315	69	42581	2.547	ug/l	99
49) Toluene	7.942	92	102778	2.431	ug/l	99
50) t-1,3-Dichloropropene	8.187	75	46695	2.829	ug/l	99
51) cis-1,3-Dichloropropene	7.582	75	57541	2.665	ug/l	98
52) 1,1,2-Trichloroethane	8.377	97	30601	2.226	ug/l	98
53) 1,3-Dichloropropane	8.550	76	52707	2.198	ug/l	97
54) 2-Hexanone	8.669	43	111649	12.119	ug/l	98
55) Dibromochloromethane	8.785	129	35242	2.553	ug/l	98
56) 1,2-Dibromoethane	8.901	107	28485	2.362	ug/l	98
58) Tetrachloroethene	8.524	164	42274	2.228	ug/l	97
59) Chlorobenzene	9.422	112	110903	2.308	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.508	131	37915	2.396	ug/l	98
61) Pentachloroethane	11.402	117	27235	2.416	ug/l	100
62) Hexachloroethane	12.447	117	29028	2.803	ug/l	99
63) Ethyl Benzene	9.547	91	202580	2.451	ug/l	99
64) m/p-Xylenes	9.669	106	150770	4.760	ug/l	98
65) o-Xylene	10.074	106	74971	2.368	ug/l	99
66) Styrene	10.090	104	120289	2.381	ug/l	99
67) Bromoform	10.264	173	19067	2.746	ug/l	97
69) Isopropylbenzene	10.460	105	182424	2.372	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.759	83	38196	2.188	ug/l	100
71) 1,2,3-Trichloropropane	10.798	75	34381m	2.555	ug/l	
72) Bromobenzene	10.759	156	43648	2.207	ug/l	94
73) n-propylbenzene	10.881	120	50527	2.290	ug/l	97
74) 2-Chlorotoluene	10.962	126	44937	2.264	ug/l	99
75) 1,3,5-Trimethylbenzene	11.065	105	168862	2.359	ug/l	99
76) 4-Chlorotoluene	11.074	126	43962	2.121	ug/l	95
77) tert-Butylbenzene	11.393	119	164831	2.371	ug/l	99
78) 1,2,4-Trimethylbenzene	11.444	105	161082	2.313	ug/l	99
79) sec-Butylbenzene	11.618	105	218073	2.327	ug/l	100
80) Nitrobenzene	13.190	77	6585m	22.584	ug/l	
81) p-Isopropyltoluene	11.769	119	173369	2.300	ug/l	99
82) 1,3-Dichlorobenzene	11.720	146	85593	2.168	ug/l	99
83) 1,4-Dichlorobenzene	11.814	146	84998	2.099	ug/l	99
84) n-Butylbenzene	12.183	91	152478	2.163	ug/l	100
85) 1,2-Dichlorobenzene	12.187	146	81291	2.139	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.968	75	6305	2.649	ug/l	98
87) 1,2,4-Trichlorobenzene	13.814	180	49004	2.116	ug/l	98
88) Hexachlorobutadiene	13.994	225	29712	2.087	ug/l	98
89) Naphthalene	14.064	128	90709	2.169	ug/l	99
90) 1,2,3-Trichlorobenzene	14.302	180	44738	2.046	ug/l	100

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

