

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063669.D
 Acq On : 05 Nov 2025 12:46
 Operator : MD/SY
 Sample : VU1105WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 06 04:00:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.081	96	56396	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	24417	0.957	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.167	152	22127	0.967	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	39499	1.861	ug/l	99
3) Chloromethane	1.509	50	38829	1.945	ug/l	98
4) Vinyl Chloride	1.589	62	40278	1.984	ug/l	96
5) Bromomethane	1.820	94	24827	2.023	ug/l	92
6) Chloroethane	1.904	64	25356	2.035	ug/l	99
7) Trichlorofluoromethane	2.113	101	59641	2.020	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.554	101	31478	2.005	ug/l	99
9) 1,1-Dichloroethene	2.554	96	31445	2.068	ug/l	99
10) Iodomethane	2.692	142	39857	1.765	ug/l	99
11) Allyl Chloride	2.891	41	45972	1.936	ug/l	100
12) Acrylonitrile	3.287	53	14244	3.787	ug/l	90
13) Acetone	2.605	43	53865	8.108	ug/l	96
14) Carbon Disulfide	2.763	76	81822	1.910	ug/l	99
15) Methylene Chloride	3.010	84	36797	1.883	ug/l	95
16) trans-1,2-Dichloroethene	3.316	96	33435	1.994	ug/l	99
17) 1,1-Dichloroethane	3.830	63	66231	1.994	ug/l	98
18) 2-Butanone	4.692	43	61814	8.771	ug/l	100
19) Cyclohexane	5.341	56	50530	1.991	ug/l	98
20) Methylcyclohexane	6.724	83	61901	1.959	ug/l	96
21) 2,2-Dichloropropane	4.624	77	57670	1.935	ug/l	97
22) cis-1,2-Dichloroethene	4.627	96	38974	2.041	ug/l	97
23) Diethyl Ether	2.357	59	24508	1.967	ug/l	95
24) tert-Butyl Alcohol	3.174	59	30147	14.038	ug/l #	92
25) Methyl tert-Butyl Ether	3.341	73	90887	2.040	ug/l	99
26) Bromochloromethane	4.936	128	16308	2.025	ug/l	99
27) Chloroform	5.052	83	69317	2.040	ug/l	99
28) 1,1,1-Trichloroethane	5.277	97	59358	1.981	ug/l	100
29) 1,1-Dichloropropene	5.483	75	49352	1.962	ug/l	98
30) Carbon Tetrachloride	5.479	117	45854	1.933	ug/l	99
31) Isopropyl Ether	3.968	45	108161	2.056	ug/l	99
32) Ethyl-t-butyl ether	4.479	59	101978	2.012	ug/l	99
33) Tert-Amyl methyl ether	5.920	73	91235	2.067	ug/l	98
34) Propionitrile	4.750	54	14466	10.505	ug/l #	88
35) Benzene	5.737	78	144601	2.039	ug/l	99
36) 1,2-Dichloroethane	5.762	62	46900	2.060	ug/l	100
37) Trichloroethene	6.508	130	40818	2.020	ug/l	98
38) 1,2-Dichloropropane	6.762	63	38951	1.963	ug/l	99
39) Methacrylonitrile	4.952	41	12761	1.862	ug/l	95
40) Methyl acrylate	4.824	55	18912	1.900	ug/l #	94
41) Tetrahydrofuran	5.039	42	13119	4.253	ug/l	95
42) 1-Chlorobutane	5.418	56	66099	1.960	ug/l	99
43) Dibromomethane	6.891	93	20832	2.029	ug/l	98
44) Bromodichloromethane	7.077	83	46314	1.845	ug/l #	98

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Quant Time: Nov 06 04:00:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.778	43	115881	9.360	ug/l	99
46) t-1,4-Dichloro-2-butene	10.807	75	15114m	3.520	ug/l	
47) Methyl methacrylate	6.946	69	37969	4.020	ug/l	95
48) Ethyl methacrylate	8.315	69	35673	1.857	ug/l	98
49) Toluene	7.942	92	95005	1.986	ug/l	98
50) t-1,3-Dichloropropene	8.187	75	40318	1.848	ug/l	99
51) cis-1,3-Dichloropropene	7.582	75	49923	1.829	ug/l	99
52) 1,1,2-Trichloroethane	8.376	97	28221	2.022	ug/l	99
53) 1,3-Dichloropropane	8.550	76	49601	1.989	ug/l	97
54) 2-Hexanone	8.669	43	87609	8.382	ug/l	100
55) Dibromochloromethane	8.785	129	30386	1.849	ug/l	97
56) 1,2-Dibromoethane	8.901	107	26169	1.970	ug/l	98
58) Tetrachloroethene	8.524	164	39551	2.000	ug/l	98
59) Chlorobenzene	9.421	112	104637	2.018	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.508	131	34638	1.908	ug/l	98
61) Pentachloroethane	11.399	117	23245	1.845	ug/l	99
62) Hexachloroethane	12.450	117	23718	1.718	ug/l	98
63) Ethyl Benzene	9.544	91	184158	1.960	ug/l	99
64) m/p-Xylenes	9.669	106	137992	3.935	ug/l	98
65) o-Xylene	10.074	106	69685	2.028	ug/l	98
66) Styrene	10.090	104	109136	1.958	ug/l	97
67) Bromoform	10.264	173	15648	1.764	ug/l	100
69) Isopropylbenzene	10.460	105	169082	1.992	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.759	83	35118	2.003	ug/l	98
71) 1,2,3-Trichloropropane	10.798	75	27939m	1.832	ug/l	
72) Bromobenzene	10.759	156	40692	1.983	ug/l	99
73) n-propylbenzene	10.881	120	47366	1.964	ug/l	99
74) 2-Chlorotoluene	10.962	126	42138	2.016	ug/l	97
75) 1,3,5-Trimethylbenzene	11.064	105	155925	1.987	ug/l	98
76) 4-Chlorotoluene	11.074	126	42442	2.022	ug/l	95
77) tert-Butylbenzene	11.396	119	151844	1.975	ug/l	99
78) 1,2,4-Trimethylbenzene	11.444	105	150383	1.997	ug/l	98
79) sec-Butylbenzene	11.617	105	201231	1.990	ug/l	99
80) Nitrobenzene	13.193	77	3713	6.022	ug/l	93
81) p-Isopropyltoluene	11.769	119	160153	1.934	ug/l	100
82) 1,3-Dichlorobenzene	11.720	146	80101	2.015	ug/l	100
83) 1,4-Dichlorobenzene	11.814	146	78951	1.999	ug/l	99
84) n-Butylbenzene	12.183	91	140743	1.896	ug/l	98
85) 1,2-Dichlorobenzene	12.187	146	75350	2.004	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.971	75	5060	1.742	ug/l	97
87) 1,2,4-Trichlorobenzene	13.814	180	47258	2.040	ug/l	99
88) Hexachlorobutadiene	13.994	225	27778	2.014	ug/l	99
89) Naphthalene	14.064	128	90350	2.028	ug/l	99
90) 1,2,3-Trichlorobenzene	14.302	180	43714	2.064	ug/l	98

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

