Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
Data File : VU063675.D
Acq On : 05 Nov 2025 16:32
Operator : MD/SY
Sample : Q3530-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 04:41:07 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

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.081	96	60910	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	24452	0.887	ug/l	0.00
Spiked Amount 1.000			Recovery = 89.000%			
68) 1,2-Dichlorobenzene-d4	12.171	152	22575	0.914	ug/l	0.00
Spiked Amount 1.000			Recovery = 91.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	18115	0.790	ug/l	98
3) Chloromethane	1.509	50	17954	0.833	ug/l	93
4) Vinyl Chloride	1.589	62	17739	0.809	ug/l	96
5) Bromomethane	1.840	94	11807	0.891	ug/l	91
6) Chloroethane	1.917	64	11711	0.870	ug/l	98
7) Trichlorofluoromethane	2.120	101	27747	0.870	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	14863	0.876	ug/l	99
9) 1,1-Dichloroethene	2.557	96	14046	0.855	ug/l	98
10) Iodomethane	2.695	142	16910	0.693	ug/l	99
11) Allyl Chloride	2.898	41	20395	0.795	ug/l	100
12) Acrylonitrile	3.290	53	7269	1.789	ug/l	96
13) Acetone	2.605	43	28782	4.011	ug/l	95
14) Carbon Disulfide	2.766	76	33413	0.722	ug/l	98
15) Methylene Chloride	3.017	84	19662	0.931	ug/l	95
16) trans-1,2-Dichloroethene	3.322	96	15542	0.858	ug/l	97
17) 1,1-Dichloroethane	3.833	63	31635	0.882	ug/l	99
18) 2-Butanone	4.692	43	29557	3.883	ug/l	98
19) Cyclohexane	5.345	56	22962	0.838	ug/l	98
20) Methylcyclohexane	6.727	83	27964	0.820	ug/l	98
21) 2,2-Dichloropropane	4.628	77	26009	0.808	ug/l	97
22) cis-1,2-Dichloroethene	4.631	96	18326	0.889	ug/l	99
23) Diethyl Ether	2.361	59	11498	0.854	ug/l	96
24) tert-Butyl Alcohol	3.168	59	16896	7.284	ug/l #	87
25) Methyl tert-Butyl Ether	3.341	73	39976	0.831	ug/l	98
26) Bromochloromethane	4.939	128	7886	0.907	ug/l	97
27) Chloroform	5.055	83	31246	0.851	ug/l	100
28) 1,1,1-Trichloroethane	5.280	97	26883	0.831	ug/l	98
29) 1,1-Dichloropropene	5.489	75	23853	0.878	ug/l	97
30) Carbon Tetrachloride	5.486	117	20385	0.796	ug/l	93
31) Isopropyl Ether	3.972	45	49148	0.865	ug/l	100
32) Ethyl-t-butyl ether	4.483	59	45358	0.828	ug/l	100
33) Tert-Amyl methyl ether	5.923	73	40841	0.857	ug/l	99
34) Propionitrile	4.756	54	6441	4.331	ug/l #	87
35) Benzene	5.740	78	65053	0.849	ug/l	99
36) 1,2-Dichloroethane	5.766	62	22110	0.899	ug/l	100
37) Trichloroethene	6.508	130	18646	0.854	ug/l	100
38) 1,2-Dichloropropane	6.762	63	17573	0.820	ug/l	94
39) Methacrylonitrile	4.952	41	6333	0.855	ug/l	96
40) Methyl acrylate	4.827	55	8476	0.788	ug/l #	96
41) Tetrahydrofuran	5.039	42	6967	2.091	ug/l	98
42) 1-Chlorobutane	5.425	56	31220	0.857	ug/l	97
43) Dibromomethane	6.888	93	9159	0.826	ug/l	99
44) Bromodichloromethane	7.081	83	19761	0.729	ug/l	94

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Nov 03 00:51:51 2025
Response via : Initial Calibration

Instrument :
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	53241	3.982 ug/l	98
46) t-1,4-Dichloro-2-butene	10.807	75	6931m	1.494 ug/l	
47) Methyl methacrylate	6.949	69	16757	1.642 ug/l	97
48) Ethyl methacrylate	8.322	69	15157	0.730 ug/l	95
49) Toluene	7.942	92	41902	0.811 ug/l	97
50) t-1,3-Dichloropropene	8.190	75	16034	0.680 ug/l	98
51) cis-1,3-Dichloropropene	7.582	75	21763	0.738 ug/l	98
52) 1,1,2-Trichloroethane	8.377	97	12462	0.827 ug/l	97
53) 1,3-Dichloropropane	8.550	76	22166	0.823 ug/l	99
54) 2-Hexanone	8.676	43	40239	3.565 ug/l	97
55) Dibromochloromethane	8.785	129	12373	0.697 ug/l	99
56) 1,2-Dibromoethane	8.901	107	11300	0.788 ug/l	99
58) Tetrachloroethene	8.524	164	18305	0.857 ug/l	98
59) Chlorobenzene	9.425	112	47732	0.852 ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.508	131	14851	0.757 ug/l	99
61) Pentachloroethane	11.402	117	9224	0.678 ug/l	97
62) Hexachloroethane	12.450	117	9527	0.639 ug/l	98
63) Ethyl Benzene	9.547	91	82080	0.809 ug/l	98
64) m/p-Xylenes	9.669	106	60741	1.604 ug/l	98
65) o-Xylene	10.074	106	30666	0.826 ug/l	97
66) Styrene	10.094	104	47504	0.789 ug/l	99
67) Bromoform	10.267	173	6226	0.650 ug/l	98
69) Isopropylbenzene	10.460	105	74839	0.816 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.759	83	14258	0.753 ug/l	95
71) 1,2,3-Trichloropropane	10.801	75	12583m	0.764 ug/l	
72) Bromobenzene	10.762	156	18346	0.828 ug/l	100
73) n-propylbenzene	10.884	120	20718	0.795 ug/l	95
74) 2-Chlorotoluene	10.962	126	18354	0.813 ug/l	96
75) 1,3,5-Trimethylbenzene	11.065	105	67767	0.800 ug/l	99
76) 4-Chlorotoluene	11.077	126	19679	0.868 ug/l	88
77) tert-Butylbenzene	11.393	119	67108	0.808 ug/l	98
78) 1,2,4-Trimethylbenzene	11.444	105	64019	0.787 ug/l	98
79) sec-Butylbenzene	11.618	105	86942	0.796 ug/l	99
80) Nitrobenzene	13.196	77	1616m	2.427 ug/l	
81) p-Isopropyltoluene	11.769	119	70199	0.785 ug/l	100
82) 1,3-Dichlorobenzene	11.724	146	36240	0.844 ug/l	98
83) 1,4-Dichlorobenzene	11.814	146	35409	0.830 ug/l	100
84) n-Butylbenzene	12.183	91	62977	0.786 ug/l	99
85) 1,2-Dichlorobenzene	12.190	146	34097	0.840 ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.971	75	1816	0.579 ug/l	89
87) 1,2,4-Trichlorobenzene	13.817	180	20376	0.814 ug/l	100
88) Hexachlorobutadiene	13.994	225	11747	0.789 ug/l	95
89) Naphthalene	14.064	128	39452	0.820 ug/l	98
90) 1,2,3-Trichlorobenzene	14.302	180	19091	0.835 ug/l	98

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

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