Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
Data File : VU063681.D
Acq On : 07 Nov 2025 11:42
Operator : MD/SY
Sample : VU1107WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 08 02:32:13 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 :
VU1107WBSD01

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	55180	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	24202	0.969	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
68) 1,2-Dichlorobenzene-d4	12.167	152	22249	0.994	ug/l	0.00
Spiked Amount 1.000			Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	38873	1.872	ug/l	100
3) Chloromethane	1.509	50	35080	1.796	ug/l	99
4) Vinyl Chloride	1.589	62	38421	1.934	ug/l	98
5) Bromomethane	1.840	94	26734	2.227	ug/l	98
6) Chloroethane	1.914	64	25811	2.117	ug/l	96
7) Trichlorofluoromethane	2.120	101	59064	2.045	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	31569	2.055	ug/l	99
9) 1,1-Dichloroethene	2.557	96	30626	2.058	ug/l	98
10) Iodomethane	2.695	142	34251	1.550	ug/l	100
11) Allyl Chloride	2.894	41	44726	1.925	ug/l	94
12) Acrylonitrile	3.287	53	16501	4.484	ug/l	93
13) Acetone	2.605	43	58145	8.945	ug/l	98
14) Carbon Disulfide	2.766	76	71142	1.697	ug/l	100
15) Methylene Chloride	3.013	84	36315	1.899	ug/l	98
16) trans-1,2-Dichloroethene	3.319	96	33982	2.071	ug/l	99
17) 1,1-Dichloroethane	3.830	63	66725	2.053	ug/l	99
18) 2-Butanone	4.692	43	60643	8.795	ug/l	99
19) Cyclohexane	5.341	56	49514	1.994	ug/l	98
20) Methylcyclohexane	6.727	83	59941	1.939	ug/l	97
21) 2,2-Dichloropropane	4.624	77	55879	1.916	ug/l	98
22) cis-1,2-Dichloroethene	4.631	96	38898	2.082	ug/l	98
23) Diethyl Ether	2.358	59	24759	2.031	ug/l	96
24) tert-Butyl Alcohol	3.174	59	34641	16.486	ug/l #	89
25) Methyl tert-Butyl Ether	3.341	73	89125	2.044	ug/l	98
26) Bromochloromethane	4.936	128	16438	2.086	ug/l	98
27) Chloroform	5.052	83	70135	2.109	ug/l	95
28) 1,1,1-Trichloroethane	5.277	97	58357	1.990	ug/l	99
29) 1,1-Dichloropropene	5.486	75	50928	2.069	ug/l	99
30) Carbon Tetrachloride	5.480	117	43947	1.893	ug/l	98
31) Isopropyl Ether	3.972	45	106831	2.075	ug/l	99
32) Ethyl-t-butyl ether	4.483	59	98659	1.989	ug/l	98
33) Tert-Amyl methyl ether	5.923	73	87958	2.037	ug/l	99
34) Propionitrile	4.756	54	13801	10.243	ug/l	98
35) Benzene	5.737	78	148914	2.146	ug/l	97
36) 1,2-Dichloroethane	5.766	62	45968	2.063	ug/l	98
37) Trichloroethene	6.512	130	39880	2.017	ug/l	94
38) 1,2-Dichloropropane	6.762	63	37246	1.918	ug/l	93
39) Methacrylonitrile	4.952	41	12416	1.851	ug/l	95
40) Methyl acrylate	4.827	55	17429	1.790	ug/l #	96
41) Tetrahydrofuran	5.042	42	12565	4.164	ug/l	97
42) 1-Chlorobutane	5.422	56	67723	2.053	ug/l	98
43) Dibromomethane	6.894	93	19436	1.935	ug/l	98
44) Bromodichloromethane	7.081	83	42775	1.741	ug/l	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	111574	9.211	ug/l		99
46) t-1,4-Dichloro-2-butene	10.807	75	12541m	2.985	ug/l		
47) Methyl methacrylate	6.949	69	33640	3.640	ug/l		99
48) Ethyl methacrylate	8.319	69	34502	1.835	ug/l		97
49) Toluene	7.942	92	92635	1.980	ug/l		99
50) t-1,3-Dichloropropene	8.187	75	34811	1.631	ug/l		100
51) cis-1,3-Dichloropropene	7.582	75	45460	1.703	ug/l		100
52) 1,1,2-Trichloroethane	8.377	97	28090	2.057	ug/l		98
53) 1,3-Dichloropropane	8.550	76	46016	1.886	ug/l		95
54) 2-Hexanone	8.676	43	83260	8.141	ug/l		99
55) Dibromochloromethane	8.785	129	27275	1.696	ug/l		97
56) 1,2-Dibromoethane	8.901	107	24804	1.909	ug/l		99
58) Tetrachloroethene	8.524	164	39248	2.029	ug/l		96
59) Chlorobenzene	9.422	112	103031	2.030	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.508	131	31661	1.782	ug/l		97
61) Pentachloroethane	11.402	117	21573	1.750	ug/l		93
62) Hexachloroethane	12.450	117	19696	1.458	ug/l		100
63) Ethyl Benzene	9.544	91	176866	1.924	ug/l		98
64) m/p-Xylenes	9.669	106	134206	3.911	ug/l		98
65) o-Xylene	10.074	106	65889	1.960	ug/l		99
66) Styrene	10.090	104	105584	1.936	ug/l		99
67) Bromoform	10.264	173	13841	1.594	ug/l		96
69) Isopropylbenzene	10.460	105	163454	1.968	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.756	83	34651	2.020	ug/l		96
71) 1,2,3-Trichloropropane	10.798	75	26537m	1.778	ug/l		
72) Bromobenzene	10.759	156	40558	2.020	ug/l		98
73) n-propylbenzene	10.881	120	47159	1.999	ug/l		95
74) 2-Chlorotoluene	10.962	126	41456	2.027	ug/l		91
75) 1,3,5-Trimethylbenzene	11.065	105	146289	1.905	ug/l		100
76) 4-Chlorotoluene	11.074	126	41236	2.008	ug/l		99
77) tert-Butylbenzene	11.393	119	143037	1.901	ug/l		99
78) 1,2,4-Trimethylbenzene	11.444	105	144618	1.962	ug/l		98
79) sec-Butylbenzene	11.618	105	194290	1.963	ug/l		99
80) Nitrobenzene	13.190	77	3185	5.280	ug/l	#	72
81) p-Isopropyltoluene	11.769	119	155266	1.916	ug/l		100
82) 1,3-Dichlorobenzene	11.724	146	80690	2.075	ug/l		99
83) 1,4-Dichlorobenzene	11.814	146	79677	2.062	ug/l		99
84) n-Butylbenzene	12.184	91	140447	1.934	ug/l		99
85) 1,2-Dichlorobenzene	12.187	146	74727	2.031	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.971	75	4546	1.599	ug/l		93
87) 1,2,4-Trichlorobenzene	13.817	180	47190	2.082	ug/l		100
88) Hexachlorobutadiene	13.994	225	28381	2.104	ug/l		99
89) Naphthalene	14.064	128	88817	2.037	ug/l		99
90) 1,2,3-Trichlorobenzene	14.302	180	43899	2.119	ug/l		99

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

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