Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
Data File : VU063673.D
Acq On : 05 Nov 2025 15:27
Operator : MD/SY
Sample : Q3530-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 04:39:00 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 :
LOD-MDL-WATER-01-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	57058	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	22999	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery =	89.000%		
68) 1,2-Dichlorobenzene-d4	12.167	152	22207	0.960	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	16372	0.762	ug/l	100
3) Chloromethane	1.509	50	16031	0.794	ug/l	95
4) Vinyl Chloride	1.589	62	15920	0.775	ug/l	100
5) Bromomethane	1.840	94	11408	0.919	ug/l	96
6) Chloroethane	1.917	64	10595	0.840	ug/l	93
7) Trichlorofluoromethane	2.120	101	24527	0.821	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	13225	0.832	ug/l	98
9) 1,1-Dichloroethene	2.557	96	12552	0.816	ug/l	98
10) Iodomethane	2.698	142	14158	0.620	ug/l	98
11) Allyl Chloride	2.898	41	18217	0.758	ug/l	97
12) Acrylonitrile	3.290	53	7375	1.938	ug/l	95
13) Acetone	2.605	43	22850	3.400	ug/l	96
14) Carbon Disulfide	2.766	76	30600	0.706	ug/l	99
15) Methylene Chloride	3.017	84	16009	0.810	ug/l	84
16) trans-1,2-Dichloroethene	3.319	96	13313	0.785	ug/l	92
17) 1,1-Dichloroethane	3.833	63	27848	0.829	ug/l	96
18) 2-Butanone	4.692	43	25636	3.596	ug/l	99
19) Cyclohexane	5.348	56	20538	0.800	ug/l	97
20) Methylcyclohexane	6.724	83	24818	0.776	ug/l	98
21) 2,2-Dichloropropane	4.624	77	23736	0.787	ug/l	95
22) cis-1,2-Dichloroethene	4.631	96	15877	0.822	ug/l	95
23) Diethyl Ether	2.358	59	10118	0.803	ug/l	95
24) tert-Butyl Alcohol	3.168	59	12426	5.719	ug/l #	78
25) Methyl tert-Butyl Ether	3.341	73	36244	0.804	ug/l	96
26) Bromochloromethane	4.936	128	6707	0.823	ug/l	99
27) Chloroform	5.055	83	29078	0.846	ug/l	97
28) 1,1,1-Trichloroethane	5.280	97	23438	0.773	ug/l	100
29) 1,1-Dichloropropene	5.489	75	21297	0.837	ug/l	97
30) Carbon Tetrachloride	5.486	117	18545	0.773	ug/l	96
31) Isopropyl Ether	3.972	45	40115	0.754	ug/l	94
32) Ethyl-t-butyl ether	4.480	59	40551	0.791	ug/l	98
33) Tert-Amyl methyl ether	5.923	73	36152	0.810	ug/l	99
34) Propionitrile	4.756	54	5651	4.056	ug/l #	64
35) Benzene	5.740	78	55919	0.779	ug/l	93
36) 1,2-Dichloroethane	5.766	62	20044	0.870	ug/l	97
37) Trichloroethene	6.512	130	15911	0.778	ug/l	90
38) 1,2-Dichloropropane	6.763	63	14802	0.737	ug/l	99
39) Methacrylonitrile	4.956	41	4747	0.684	ug/l #	82
40) Methyl acrylate	4.827	55	7816	0.776	ug/l #	96
41) Tetrahydrofuran	5.046	42	5043	1.616	ug/l #	88
42) 1-Chlorobutane	5.425	56	27176	0.797	ug/l	92
43) Dibromomethane	6.891	93	8184	0.788	ug/l	93
44) Bromodichloromethane	7.078	83	18177	0.716	ug/l	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Nov 03 00:51:51 2025
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Instrument :
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ClientSampleId :
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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45)	4-Methyl-2-Pentanone	7.782	43	43865	3.502	ug/l	97
46)	t-1,4-Dichloro-2-butene	10.807	75	5366m	1.235	ug/l	
47)	Methyl methacrylate	6.949	69	14861	1.555	ug/l	98
48)	Ethyl methacrylate	8.319	69	14143	0.728	ug/l	96
49)	Toluene	7.943	92	37294	0.771	ug/l	99
50)	t-1,3-Dichloropropene	8.190	75	14566	0.660	ug/l	97
51)	cis-1,3-Dichloropropene	7.582	75	18389	0.666	ug/l	89
52)	1,1,2-Trichloroethane	8.380	97	12266	0.869	ug/l	92
53)	1,3-Dichloropropane	8.553	76	20421	0.810	ug/l	99
54)	2-Hexanone	8.679	43	33661	3.183	ug/l	99
55)	Dibromochloromethane	8.785	129	10822	0.651	ug/l	97
56)	1,2-Dibromoethane	8.901	107	10181	0.758	ug/l	100
58)	Tetrachloroethene	8.525	164	15828	0.791	ug/l	97
59)	Chlorobenzene	9.425	112	40268	0.767	ug/l	99
60)	1,1,1,2-Tetrachloroethane	9.508	131	12459	0.678	ug/l	98
61)	Pentachloroethane	11.399	117	8563	0.672	ug/l	94
62)	Hexachloroethane	12.447	117	7682	0.550	ug/l	94
63)	Ethyl Benzene	9.547	91	72313	0.761	ug/l	97
64)	m/p-Xylenes	9.669	106	53948	1.520	ug/l	99
65)	o-Xylene	10.078	106	25621	0.737	ug/l	93
66)	Styrene	10.094	104	41893	0.743	ug/l	99
67)	Bromoform	10.267	173	5375	0.599	ug/l	100
69)	Isopropylbenzene	10.460	105	64525	0.751	ug/l	100
70)	1,1,2,2-Tetrachloroethane	10.759	83	13189	0.744	ug/l	97
71)	1,2,3-Trichloropropane	10.798	75	10391m	0.673	ug/l	
72)	Bromobenzene	10.759	156	15754	0.759	ug/l	97
73)	n-propylbenzene	10.881	120	17751	0.728	ug/l	98
74)	2-Chlorotoluene	10.962	126	16550	0.783	ug/l	95
75)	1,3,5-Trimethylbenzene	11.065	105	58314	0.734	ug/l	100
76)	4-Chlorotoluene	11.078	126	16354	0.770	ug/l	97
77)	tert-Butylbenzene	11.396	119	57287	0.736	ug/l	100
78)	1,2,4-Trimethylbenzene	11.444	105	54994	0.722	ug/l	99
79)	sec-Butylbenzene	11.618	105	74488	0.728	ug/l	99
80)	Nitrobenzene	13.187	77	1505m	2.413	ug/l	
81)	p-Isopropyltoluene	11.769	119	60141	0.718	ug/l	99
82)	1,3-Dichlorobenzene	11.724	146	32008	0.796	ug/l	99
83)	1,4-Dichlorobenzene	11.814	146	30651	0.767	ug/l	97
84)	n-Butylbenzene	12.184	91	51933	0.692	ug/l	97
85)	1,2-Dichlorobenzene	12.190	146	29365	0.772	ug/l	98
86)	1,2-Dibromo-3-Chloropr...	12.968	75	1883	0.641	ug/l	93
87)	1,2,4-Trichlorobenzene	13.817	180	18148	0.774	ug/l	97
88)	Hexachlorobutadiene	13.991	225	11101	0.796	ug/l	97
89)	Naphthalene	14.068	128	34422	0.763	ug/l	99
90)	1,2,3-Trichlorobenzene	14.302	180	16234	0.758	ug/l	97

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

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