Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
Data File : VU063575.D
Acq On : 15 Sep 2025 13:11
Operator : MD/SY
Sample : Q2893-08
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 05:06:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Sep 16 05:06:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	33109	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11447	0.928	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	11918	0.948	ug/l	0.00
Spiked Amount 1.000			Recovery = 95.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	5039	0.461	ug/l	97
3) Chloromethane	1.518	50	6233	0.583	ug/l	91
4) Vinyl Chloride	1.599	62	5439	0.469	ug/l	92
5) Bromomethane	1.843	94	4481	0.626	ug/l	85
6) Chloroethane	1.920	64	3742	0.502	ug/l	100
7) Trichlorofluoromethane	2.126	101	8806	0.518	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	4668	0.490	ug/l	94
9) 1,1-Dichloroethene	2.567	96	4404	0.510	ug/l	97
11) Allyl Chloride	2.907	41	6276	0.437	ug/l	94
12) Acrylonitrile	3.309	53	2934m	1.123	ug/l	
13) Acetone	2.621	43	6779	1.834	ug/l	89
14) Carbon Disulfide	2.775	76	8117	0.450	ug/l	97
15) Methylene Chloride	3.026	84	8603	0.755	ug/l	95
16) trans-1,2-Dichloroethene	3.335	96	4504	0.490	ug/l	94
17) 1,1-Dichloroethane	3.849	63	10387	0.493	ug/l	97
18) 2-Butanone	4.718	43	9193	2.183	ug/l	91
19) Cyclohexane	5.357	56	7653	0.454	ug/l #	88
20) Methylcyclohexane	6.737	83	6978	0.451	ug/l	99
21) 2,2-Dichloropropane	4.644	77	7282	0.467	ug/l	94
22) cis-1,2-Dichloroethene	4.650	96	5627	0.499	ug/l	94
23) Diethyl Ether	2.370	59	3920	0.513	ug/l #	91
25) Methyl tert-Butyl Ether	3.361	73	12333	0.479	ug/l	98
26) Bromochloromethane	4.952	128	2251	0.493	ug/l	97
27) Chloroform	5.071	83	10558	0.501	ug/l	98
28) 1,1,1-Trichloroethane	5.290	97	7422	0.458	ug/l	99
29) 1,1-Dichloropropene	5.505	75	7177	0.477	ug/l	95
30) Carbon Tetrachloride	5.502	117	5377	0.451	ug/l	99
31) Isopropyl Ether	3.997	45	18385	0.521	ug/l	93
32) Ethyl-t-butyl ether	4.505	59	15347	0.509	ug/l	95
33) Tert-Amyl methyl ether	5.939	73	12717	0.495	ug/l	96
34) Propionitrile	4.772	54	2708	2.749	ug/l #	92
35) Benzene	5.756	78	21207	0.489	ug/l	98
36) 1,2-Dichloroethane	5.779	62	7138	0.488	ug/l #	91
37) Trichloroethene	6.525	130	5485	0.509	ug/l	82
38) 1,2-Dichloropropane	6.779	63	5202	0.453	ug/l	96
39) Methacrylonitrile	4.978	41	1921	0.413	ug/l #	80
40) Methyl acrylate	4.849	55	3699m	0.580	ug/l	
41) Tetrahydrofuran	5.058	42	3068	1.266	ug/l #	82
42) 1-Chlorobutane	5.441	56	10954	0.519	ug/l	89
43) Dibromomethane	6.907	93	2691	0.489	ug/l	91
44) Bromodichloromethane	7.094	83	4947	0.421	ug/l	98
45) 4-Methyl-2-Pentanone	7.801	43	16652	2.416	ug/l	94
46) t-1,4-Dichloro-2-butene	10.827	75	1563m	0.606	ug/l	

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Supervised By :Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 05:06:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Sep 16 05:06:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl methacrylate	6.965	69	4060	0.825	ug/l		88
48) Ethyl methacrylate	8.341	69	3963	0.434	ug/l		95
49) Toluene	7.962	92	11134	0.473	ug/l		97
50) t-1,3-Dichloropropene	8.209	75	3632	0.412	ug/l		89
51) cis-1,3-Dichloropropene	7.605	75	5023	0.429	ug/l	#	93
52) 1,1,2-Trichloroethane	8.396	97	3555	0.456	ug/l		91
53) 1,3-Dichloropropane	8.569	76	6195	0.458	ug/l		100
54) 2-Hexanone	8.695	43	10355	2.056	ug/l		99
55) Dibromochloromethane	8.801	129	2877	0.381	ug/l		97
56) 1,2-Dibromoethane	8.920	107	2806	0.418	ug/l		100
58) Tetrachloroethene	8.544	164	4665	0.439	ug/l		90
59) Chlorobenzene	9.444	112	12472	0.460	ug/l		90
60) 1,1,1,2-Tetrachloroethane	9.528	131	3550	0.401	ug/l		90
61) Pentachloroethane	11.412	117	2699	0.425	ug/l		90
62) Hexachloroethane	12.466	117	2164	0.392	ug/l		84
63) Ethyl Benzene	9.563	91	20694	0.447	ug/l		96
64) m/p-Xylenes	9.688	106	14879	0.837	ug/l		87
65) o-Xylene	10.094	106	7862	0.442	ug/l		96
66) Styrene	10.113	104	11759	0.414	ug/l		95
67) Bromoform	10.283	173	1340	0.356	ug/l	#	83
69) Isopropylbenzene	10.476	105	19548	0.453	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.775	83	4952	0.499	ug/l	#	94
71) 1,2,3-Trichloropropane	10.820	75	3922m	0.533	ug/l		
72) Bromobenzene	10.775	156	5048	0.450	ug/l		94
73) n-propylbenzene	10.901	120	5705	0.457	ug/l		96
74) 2-Chlorotoluene	10.981	126	5338	0.473	ug/l		87
75) 1,3,5-Trimethylbenzene	11.081	105	16692	0.413	ug/l		98
76) 4-Chlorotoluene	11.093	126	4938	0.418	ug/l		87
77) tert-Butylbenzene	11.412	119	17015	0.436	ug/l		98
78) 1,2,4-Trimethylbenzene	11.463	105	17435	0.443	ug/l		97
79) sec-Butylbenzene	11.637	105	23426	0.443	ug/l		98
80) Nitrobenzene	13.216	77	533	3.914	ug/l	#	42
81) p-Isopropyltoluene	11.785	119	18667	0.438	ug/l		97
82) 1,3-Dichlorobenzene	11.740	146	10517	0.466	ug/l		99
83) 1,4-Dichlorobenzene	11.833	146	10739	0.464	ug/l		98
84) n-Butylbenzene	12.203	91	20265	0.508	ug/l		96
85) 1,2-Dichlorobenzene	12.209	146	10207	0.469	ug/l		94
86) 1,2-Dibromo-3-Chloropr...	12.997	75	416	0.325	ug/l		98
87) 1,2,4-Trichlorobenzene	13.839	180	7556	0.574	ug/l		96
88) Hexachlorobutadiene	14.013	225	4048	0.494	ug/l		96
90) 1,2,3-Trichlorobenzene	14.328	180	7652	0.612	ug/l		95

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

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