Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
Data File : VU063578.D
Acq On : 15 Sep 2025 14:43
Operator : MD/SY
Sample : Q2893-07
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

Manual Integrations APPROVED

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

Quant Time: Sep 16 05:09:45 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)
Internal Standards							
1) Fluorobenzene	6.100	96	32454	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.627	95	10086	0.834	ug/l		0.00
Spiked Amount 1.000			Recovery =	83.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	11434	0.928	ug/l		0.00
Spiked Amount 1.000			Recovery =	93.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.380	85	4961	0.463	ug/l		87
3) Chloromethane	1.518	50	5141	0.490	ug/l		98
4) Vinyl Chloride	1.599	62	4974	0.438	ug/l		91
5) Bromomethane	1.843	94	3615	0.515	ug/l		87
6) Chloroethane	1.920	64	3281	0.449	ug/l		92
7) Trichlorofluoromethane	2.129	101	7461	0.447	ug/l		99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	4180	0.448	ug/l		96
9) 1,1-Dichloroethene	2.570	96	3414	0.404	ug/l		90
10) Iodomethane	2.711	142	5270	0.433	ug/l		99
11) Allyl Chloride	2.910	41	5805	0.413	ug/l		87
12) Acrylonitrile	3.309	53	2277	0.889	ug/l		97
13) Acetone	2.618	43	6307	1.740	ug/l		96
14) Carbon Disulfide	2.782	76	7003	0.396	ug/l	#	95
15) Methylene Chloride	3.029	84	10142	0.908	ug/l		96
16) trans-1,2-Dichloroethene	3.338	96	3716	0.412	ug/l		86
17) 1,1-Dichloroethane	3.853	63	8822	0.427	ug/l		97
18) 2-Butanone	4.711	43	7513	1.820	ug/l		86
19) Cyclohexane	5.364	56	6227	0.377	ug/l		87
20) Methylcyclohexane	6.743	83	6499	0.429	ug/l		97
21) 2,2-Dichloropropane	4.650	77	6506	0.426	ug/l		100
22) cis-1,2-Dichloroethene	4.653	96	4584	0.414	ug/l		98
23) Diethyl Ether	2.370	59	3280	0.438	ug/l		93
24) tert-Butyl Alcohol	3.177	59	5289	5.323	ug/l	#	87
25) Methyl tert-Butyl Ether	3.361	73	10684	0.423	ug/l	#	88
26) Bromochloromethane	4.965	128	1973	0.441	ug/l		93
27) Chloroform	5.074	83	9161	0.443	ug/l		100
28) 1,1,1-Trichloroethane	5.299	97	6498	0.409	ug/l		96
29) 1,1-Dichloropropene	5.508	75	6256	0.424	ug/l		97
30) Carbon Tetrachloride	5.508	117	4255	0.364	ug/l		98
31) Isopropyl Ether	3.991	45	15266	0.441	ug/l		96
32) Ethyl-t-butyl ether	4.499	59	13203m	0.447	ug/l		
33) Tert-Amyl methyl ether	5.939	73	10622	0.422	ug/l		96
34) Propionitrile	4.775	54	2014	2.086	ug/l	#	95
35) Benzene	5.762	78	18305	0.431	ug/l		96
36) 1,2-Dichloroethane	5.782	62	6232	0.435	ug/l		99
37) Trichloroethene	6.528	130	4437	0.420	ug/l		94
38) 1,2-Dichloropropane	6.785	63	5614	0.499	ug/l	#	88
39) Methacrylonitrile	4.968	41	2373	0.521	ug/l	#	57
40) Methyl acrylate	4.846	55	3073	0.492	ug/l	#	78
41) Tetrahydrofuran	5.055	42	2641	1.112	ug/l	#	89
42) 1-Chlorobutane	5.444	56	8782	0.425	ug/l		98
43) Dibromomethane	6.907	93	2335	0.433	ug/l		96
44) Bromodichloromethane	7.094	83	5143	0.446	ug/l		98

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Supervised By :Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 05:09:45 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)
45) 4-Methyl-2-Pentanone	7.798	43	17220	2.549	ug/l		97
46) t-1,4-Dichloro-2-butene	10.827	75	1226m	0.485	ug/l		
47) Methyl methacrylate	6.965	69	4485	0.929	ug/l		87
48) Ethyl methacrylate	8.338	69	4496	0.502	ug/l		90
49) Toluene	7.962	92	10595	0.460	ug/l		97
50) t-1,3-Dichloropropene	8.203	75	3915	0.453	ug/l		92
51) cis-1,3-Dichloropropene	7.598	75	5206	0.453	ug/l	#	83
52) 1,1,2-Trichloroethane	8.396	97	3619	0.474	ug/l		92
53) 1,3-Dichloropropane	8.566	76	5817	0.438	ug/l		91
54) 2-Hexanone	8.692	43	11989	2.428	ug/l		90
55) Dibromochloromethane	8.801	129	2593	0.350	ug/l		94
56) 1,2-Dibromoethane	8.920	107	2896	0.440	ug/l		100
58) Tetrachloroethene	8.540	164	4270	0.410	ug/l		92
59) Chlorobenzene	9.444	112	11496	0.433	ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.524	131	3232	0.373	ug/l		96
61) Pentachloroethane	11.418	117	2335	0.376	ug/l		92
62) Hexachloroethane	12.470	117	1693	0.313	ug/l		94
63) Ethyl Benzene	9.563	91	18686	0.412	ug/l		99
64) m/p-Xylenes	9.688	106	13832	0.794	ug/l		97
65) o-Xylene	10.097	106	6297	0.361	ug/l		87
66) Styrene	10.116	104	10137	0.364	ug/l		97
67) Bromoform	10.286	173	1076	0.292	ug/l	#	88
69) Isopropylbenzene	10.476	105	16396	0.387	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.778	83	4043	0.416	ug/l		97
71) 1,2,3-Trichloropropane	10.817	75	2984m	0.414	ug/l		
72) Bromobenzene	10.778	156	4273	0.389	ug/l		98
73) n-propylbenzene	10.904	120	4773	0.390	ug/l		99
74) 2-Chlorotoluene	10.981	126	4437	0.401	ug/l		88
75) 1,3,5-Trimethylbenzene	11.081	105	14546	0.367	ug/l		96
76) 4-Chlorotoluene	11.093	126	4262	0.368	ug/l		95
77) tert-Butylbenzene	11.412	119	13421	0.351	ug/l		94
78) 1,2,4-Trimethylbenzene	11.463	105	14177	0.368	ug/l		97
79) sec-Butylbenzene	11.637	105	19960	0.385	ug/l		98
80) Nitrobenzene	13.225	77	340	2.547	ug/l	#	42
81) p-Isopropyltoluene	11.785	119	15578	0.373	ug/l		99
82) 1,3-Dichlorobenzene	11.743	146	8791	0.398	ug/l		97
83) 1,4-Dichlorobenzene	11.833	146	9437	0.416	ug/l		97
84) n-Butylbenzene	12.203	91	15133	0.387	ug/l		97
85) 1,2-Dichlorobenzene	12.206	146	8579	0.402	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	12.990	75	366	0.292	ug/l	#	61
87) 1,2,4-Trichlorobenzene	13.839	180	5821	0.451	ug/l		98
88) Hexachlorobutadiene	14.013	225	3454	0.430	ug/l		93
89) Naphthalene	14.093	128	12469	0.546	ug/l		96
90) 1,2,3-Trichlorobenzene	14.328	180	5456	0.445	ug/l		92

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

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