Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
Data File : VU063577.D
Acq On : 15 Sep 2025 14:12
Operator : MD/SY
Sample : Q2893-07
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 9 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 05:08:50 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	33192	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.630	95	11612	0.939	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.000%				
68) 1,2-Dichlorobenzene-d4	12.187	152	12144	0.963	ug/l		0.00
Spiked Amount 1.000			Recovery = 96.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.380	85	5349	0.488	ug/l		96
3) Chloromethane	1.518	50	6652	0.620	ug/l		90
4) Vinyl Chloride	1.599	62	6371	0.548	ug/l		95
5) Bromomethane	1.843	94	4486	0.625	ug/l		99
6) Chloroethane	1.923	64	4048	0.542	ug/l		89
7) Trichlorofluoromethane	2.129	101	9267	0.543	ug/l		95
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	5201	0.545	ug/l		94
9) 1,1-Dichloroethene	2.573	96	4931	0.570	ug/l		88
10) Iodomethane	2.711	142	5780	0.464	ug/l		96
11) Allyl Chloride	2.914	41	7061	0.491	ug/l		99
12) Acrylonitrile	3.309	53	2655	1.014	ug/l		95
13) Acetone	2.618	43	9584	2.586	ug/l		97
14) Carbon Disulfide	2.782	76	9108	0.504	ug/l	#	93
15) Methylene Chloride	3.033	84	12097	1.058	ug/l		93
16) trans-1,2-Dichloroethene	3.338	96	4979	0.540	ug/l	#	81
17) 1,1-Dichloroethane	3.853	63	11575	0.548	ug/l		99
18) 2-Butanone	4.711	43	11824	2.801	ug/l		100
19) Cyclohexane	5.364	56	8303	0.491	ug/l		97
20) Methylcyclohexane	6.743	83	8033	0.518	ug/l		92
21) 2,2-Dichloropropane	4.650	77	7941	0.509	ug/l		98
22) cis-1,2-Dichloroethene	4.653	96	6306	0.557	ug/l		95
23) Diethyl Ether	2.370	59	3995	0.521	ug/l		96
24) tert-Butyl Alcohol	3.181	59	5664	5.574	ug/l	#	83
25) Methyl tert-Butyl Ether	3.357	73	13647	0.528	ug/l	#	90
26) Bromochloromethane	4.962	128	2339	0.511	ug/l		94
27) Chloroform	5.074	83	11161	0.528	ug/l		93
28) 1,1,1-Trichloroethane	5.300	97	7848	0.483	ug/l		96
29) 1,1-Dichloropropene	5.512	75	7394	0.490	ug/l		94
30) Carbon Tetrachloride	5.508	117	5756	0.481	ug/l		96
31) Isopropyl Ether	3.994	45	18336	0.518	ug/l		93
32) Ethyl-t-butyl ether	4.499	59	14991	0.496	ug/l		95
33) Tert-Amyl methyl ether	5.943	73	11962	0.464	ug/l		96
34) Propionitrile	4.766	54	2625	2.658	ug/l	#	86
35) Benzene	5.763	78	23357	0.538	ug/l		99
36) 1,2-Dichloroethane	5.782	62	7738	0.528	ug/l	#	94
37) Trichloroethene	6.531	130	5647	0.522	ug/l		96
38) 1,2-Dichloropropane	6.782	63	6507	0.565	ug/l		98
39) Methacrylonitrile	4.968	41	2716	0.583	ug/l	#	84
40) Methyl acrylate	4.849	55	3447	0.539	ug/l	#	93
41) Tetrahydrofuran	5.058	42	3087m	1.270	ug/l		
42) 1-Chlorobutane	5.441	56	10855	0.513	ug/l		93
43) Dibromomethane	6.907	93	2837	0.514	ug/l		92
44) Bromodichloromethane	7.100	83	6434	0.546	ug/l		93

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Supervised By :Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 05:08:50 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	7.795	43	23376	3.383	ug/l		96
46)	t-1,4-Dichloro-2-butene	10.830	75	1310m	0.507	ug/l		
47)	Methyl methacrylate	6.965	69	5512	1.117	ug/l		92
48)	Ethyl methacrylate	8.338	69	5249	0.573	ug/l		84
49)	Toluene	7.962	92	13780	0.585	ug/l		100
50)	t-1,3-Dichloropropene	8.203	75	5014	0.568	ug/l	#	85
51)	cis-1,3-Dichloropropene	7.598	75	5982	0.509	ug/l	#	85
52)	1,1,2-Trichloroethane	8.389	97	3913	0.501	ug/l	#	74
53)	1,3-Dichloropropane	8.569	76	6975	0.514	ug/l		92
54)	2-Hexanone	8.692	43	16981	3.363	ug/l		96
55)	Dibromochloromethane	8.801	129	3399	0.449	ug/l		96
56)	1,2-Dibromoethane	8.917	107	3338	0.495	ug/l		100
58)	Tetrachloroethene	8.541	164	5473	0.514	ug/l		93
59)	Chlorobenzene	9.441	112	14315	0.527	ug/l		98
60)	1,1,1,2-Tetrachloroethane	9.524	131	3646	0.411	ug/l		96
61)	Pentachloroethane	11.418	117	2931	0.461	ug/l	#	81
62)	Hexachloroethane	12.466	117	2094	0.379	ug/l	#	78
63)	Ethyl Benzene	9.563	91	22879	0.493	ug/l		99
64)	m/p-Xylenes	9.688	106	15906	0.892	ug/l		96
65)	o-Xylene	10.094	106	8520	0.478	ug/l		96
66)	Styrene	10.113	104	13271	0.466	ug/l		99
67)	Bromoform	10.286	173	1645	0.436	ug/l	#	91
69)	Isopropylbenzene	10.476	105	20242	0.467	ug/l		96
70)	1,1,2,2-Tetrachloroethane	10.775	83	4811	0.484	ug/l		99
71)	1,2,3-Trichloropropane	10.814	75	4274m	0.580	ug/l		
72)	Bromobenzene	10.778	156	5034	0.448	ug/l		90
73)	n-propylbenzene	10.897	120	5271	0.421	ug/l		94
74)	2-Chlorotoluene	10.981	126	5100	0.451	ug/l		98
75)	1,3,5-Trimethylbenzene	11.081	105	18465	0.456	ug/l		98
76)	4-Chlorotoluene	11.093	126	4981	0.420	ug/l		97
77)	tert-Butylbenzene	11.412	119	16693	0.426	ug/l		99
78)	1,2,4-Trimethylbenzene	11.463	105	18531	0.470	ug/l		93
79)	sec-Butylbenzene	11.637	105	21686	0.409	ug/l		96
80)	Nitrobenzene	13.216	77	475m	3.479	ug/l		
81)	p-Isopropyltoluene	11.785	119	18102	0.424	ug/l		99
82)	1,3-Dichlorobenzene	11.743	146	11213	0.496	ug/l		96
83)	1,4-Dichlorobenzene	11.833	146	11291	0.486	ug/l		96
84)	n-Butylbenzene	12.203	91	17889	0.447	ug/l		99
85)	1,2-Dichlorobenzene	12.206	146	10556	0.484	ug/l		98
86)	1,2-Dibromo-3-Chloropr...	12.987	75	578	0.451	ug/l		87
87)	1,2,4-Trichlorobenzene	13.839	180	6877	0.521	ug/l		93
88)	Hexachlorobutadiene	14.016	225	3495	0.425	ug/l		95
89)	Naphthalene	14.090	128	15501	0.664	ug/l		98
90)	1,2,3-Trichlorobenzene	14.328	180	6947	0.554	ug/l		97

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

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