Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
Data File : VU063579.D
Acq On : 15 Sep 2025 15:14
Operator : MD/SY
Sample : Q2893-07
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 05:10:48 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 :
LOD-MDL-WATER-01-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	6.101	96	33285	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.628	95	10866	0.876	ug/l	0.00
Spiked Amount 1.000			Recovery =	88.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	12000	0.949	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	8620	0.785	ug/l	97
3) Chloromethane	1.519	50	9202	0.855	ug/l	98
4) Vinyl Chloride	1.599	62	9536	0.818	ug/l	97
5) Bromomethane	1.843	94	6448	0.896	ug/l	93
6) Chloroethane	1.921	64	6105	0.815	ug/l	98
7) Trichlorofluoromethane	2.126	101	13142	0.768	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	7719	0.806	ug/l	93
9) 1,1-Dichloroethene	2.570	96	7090	0.817	ug/l	96
10) Iodomethane	2.712	142	9874	0.791	ug/l	97
11) Allyl Chloride	2.911	41	11358	0.788	ug/l	99
12) Acrylonitrile	3.310	53	4481	1.707	ug/l	93
13) Acetone	2.622	43	11037	2.969	ug/l	97
14) Carbon Disulfide	2.782	76	12824	0.708	ug/l	99
15) Methylene Chloride	3.033	84	14970	1.306	ug/l	92
16) trans-1,2-Dichloroethene	3.339	96	7330	0.793	ug/l	96
17) 1,1-Dichloroethane	3.856	63	17423	0.823	ug/l	99
18) 2-Butanone	4.708	43	14281	3.374	ug/l	99
19) Cyclohexane	5.364	56	11924	0.703	ug/l	91
20) Methylcyclohexane	6.744	83	12800	0.823	ug/l	99
21) 2,2-Dichloropropane	4.650	77	12174	0.777	ug/l	98
22) cis-1,2-Dichloroethene	4.650	96	8995	0.793	ug/l	96
23) Diethyl Ether	2.371	59	5962	0.776	ug/l	95
24) tert-Butyl Alcohol	3.181	59	8260	8.106	ug/l	99
25) Methyl tert-Butyl Ether	3.358	73	21002	0.811	ug/l	93
26) Bromochloromethane	4.956	128	3894	0.849	ug/l	93
27) Chloroform	5.075	83	17538	0.828	ug/l	94
28) 1,1,1-Trichloroethane	5.300	97	12536	0.770	ug/l	97
29) 1,1-Dichloropropene	5.509	75	12660	0.837	ug/l	97
30) Carbon Tetrachloride	5.506	117	8330	0.695	ug/l	90
31) Isopropyl Ether	3.988	45	30279	0.853	ug/l	97
32) Ethyl-t-butyl ether	4.499	59	24151	0.797	ug/l	99
33) Tert-Amyl methyl ether	5.940	73	20296	0.786	ug/l	99
34) Propionitrile	4.776	54	4233	4.275	ug/l #	96
35) Benzene	5.760	78	35501	0.815	ug/l	100
36) 1,2-Dichloroethane	5.785	62	11958	0.814	ug/l	100
37) Trichloroethene	6.528	130	8399	0.775	ug/l	87
38) 1,2-Dichloropropane	6.782	63	9251	0.802	ug/l	97
39) Methacrylonitrile	4.969	41	3927	0.840	ug/l	95
40) Methyl acrylate	4.850	55	5491	0.857	ug/l #	87
41) Tetrahydrofuran	5.059	42	4443	1.823	ug/l	90
42) 1-Chlorobutane	5.441	56	16912	0.797	ug/l	95
43) Dibromomethane	6.904	93	5216	0.943	ug/l	89
44) Bromodichloromethane	7.091	83	9339	0.790	ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Sep 16 05:06:22 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.795	43	32584	4.702	ug/l		99
46)	t-1,4-Dichloro-2-butene	10.827	75	2054m	0.792	ug/l		
47)	Methyl methacrylate	6.965	69	8849	1.788	ug/l		91
48)	Ethyl methacrylate	8.335	69	8257	0.899	ug/l		94
49)	Toluene	7.959	92	21387	0.905	ug/l		94
50)	t-1,3-Dichloropropene	8.207	75	7216	0.815	ug/l		99
51)	cis-1,3-Dichloropropene	7.599	75	10007	0.849	ug/l		91
52)	1,1,2-Trichloroethane	8.393	97	6411	0.819	ug/l		94
53)	1,3-Dichloropropane	8.567	76	11969	0.880	ug/l		98
54)	2-Hexanone	8.689	43	19958	3.941	ug/l		98
55)	Dibromochloromethane	8.801	129	5476	0.721	ug/l		96
56)	1,2-Dibromoethane	8.917	107	5280	0.782	ug/l		99
58)	Tetrachloroethene	8.541	164	8440	0.790	ug/l		97
59)	Chlorobenzene	9.441	112	21404	0.786	ug/l		97
60)	1,1,1,2-Tetrachloroethane	9.525	131	6069	0.682	ug/l		99
61)	Pentachloroethane	11.419	117	4694	0.736	ug/l		86
62)	Hexachloroethane	12.470	117	3480	0.627	ug/l		91
63)	Ethyl Benzene	9.563	91	34733	0.747	ug/l		99
64)	m/p-Xylenes	9.689	106	26257	1.469	ug/l		93
65)	o-Xylene	10.094	106	12764	0.713	ug/l		98
66)	Styrene	10.110	104	20363	0.713	ug/l		98
67)	Bromoform	10.287	173	2381	0.630	ug/l		98
69)	Isopropylbenzene	10.477	105	31441	0.724	ug/l		99
70)	1,1,2,2-Tetrachloroethane	10.776	83	7802	0.782	ug/l		97
71)	1,2,3-Trichloropropane	10.817	75	5810m	0.786	ug/l		
72)	Bromobenzene	10.779	156	8144	0.723	ug/l		81
73)	n-propylbenzene	10.898	120	9174	0.731	ug/l		97
74)	2-Chlorotoluene	10.978	126	8122	0.716	ug/l		97
75)	1,3,5-Trimethylbenzene	11.081	105	29018	0.714	ug/l		98
76)	4-Chlorotoluene	11.094	126	8796	0.740	ug/l		94
77)	tert-Butylbenzene	11.409	119	28874	0.735	ug/l		98
78)	1,2,4-Trimethylbenzene	11.460	105	29007	0.734	ug/l		97
79)	sec-Butylbenzene	11.634	105	38510	0.724	ug/l		99
80)	Nitrobenzene	13.222	77	598	4.368	ug/l	#	58
81)	p-Isopropyltoluene	11.785	119	30206	0.706	ug/l		98
82)	1,3-Dichlorobenzene	11.743	146	17077	0.753	ug/l		96
83)	1,4-Dichlorobenzene	11.830	146	16751	0.719	ug/l		97
84)	n-Butylbenzene	12.200	91	28095	0.700	ug/l		98
85)	1,2-Dichlorobenzene	12.206	146	16659	0.762	ug/l		98
86)	1,2-Dibromo-3-Chloropr...	12.984	75	913	0.710	ug/l	#	81
87)	1,2,4-Trichlorobenzene	13.837	180	10036	0.758	ug/l		94
88)	Hexachlorobutadiene	14.010	225	5855	0.711	ug/l		99
89)	Naphthalene	14.087	128	18211	0.778	ug/l		99
90)	1,2,3-Trichlorobenzene	14.325	180	9382	0.747	ug/l		96

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

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