Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072125\
Data File : VU063552.D
Acq On : 21 Jul 2025 17:12
Operator : MD/SY
Sample : RL-CHECK
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 22 04:24:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 22 04:23:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	21126	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	6598	0.825	ug/l	0.00
Spiked Amount 1.000			Recovery = 82.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	6555	0.886	ug/l	0.00
Spiked Amount 1.000			Recovery = 89.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	5092	0.817	ug/l	98
3) Chloromethane	1.518	50	5577	0.963	ug/l	94
4) Vinyl Chloride	1.599	62	6346	0.860	ug/l #	87
5) Bromomethane	1.846	94	5899	1.061	ug/l	97
6) Chloroethane	1.923	64	4323	0.971	ug/l	100
7) Trichlorofluoromethane	2.129	101	9791	0.925	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	5415	0.979	ug/l	97
9) 1,1-Dichloroethene	2.566	96	5126	0.935	ug/l	89
10) Iodomethane	2.708	142	2642	0.399	ug/l	98
11) Allyl Chloride	2.907	41	7228	0.912	ug/l	96
12) Acrylonitrile	3.306	53	2590	1.888	ug/l	94
13) Acetone	2.621	43	4814	4.380	ug/l	93
14) Carbon Disulfide	2.779	76	11508	0.650	ug/l	98
15) Methylene Chloride	3.029	84	8132	1.259	ug/l	98
16) trans-1,2-Dichloroethene	3.338	96	5469	0.878	ug/l	93
17) 1,1-Dichloroethane	3.846	63	11181	0.968	ug/l	100
18) 2-Butanone	4.717	43	7920	4.653	ug/l	97
19) Cyclohexane	5.361	56	9181	0.939	ug/l	99
20) Methylcyclohexane	6.740	83	7593	0.799	ug/l	95
21) 2,2-Dichloropropane	4.644	77	7991	0.813	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	6246	0.924	ug/l	100
23) Diethyl Ether	2.370	59	3829	0.916	ug/l	92
24) tert-Butyl Alcohol	3.190	59	6301	12.489	ug/l #	92
25) Methyl tert-Butyl Ether	3.361	73	13469	0.941	ug/l #	88
26) Bromochloromethane	4.959	128	2501	0.886	ug/l	88
27) Chloroform	5.071	83	11061	0.939	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	8653	0.865	ug/l	98
29) 1,1-Dichloropropene	5.505	75	8934	0.964	ug/l	97
30) Carbon Tetrachloride	5.505	117	6460	0.803	ug/l	94
31) Isopropyl Ether	3.994	45	17837	1.023	ug/l	94
32) Ethyl-t-butyl ether	4.502	59	15372	0.953	ug/l	100
33) Tert-Amyl methyl ether	5.943	73	13882	0.992	ug/l	98
34) Propionitrile	4.779	54	2564	4.944	ug/l #	89
35) Benzene	5.756	78	24093	0.968	ug/l	99
36) 1,2-Dichloroethane	5.782	62	8001	1.035	ug/l	98
37) Trichloroethene	6.528	130	4840	0.762	ug/l	99
38) 1,2-Dichloropropane	6.778	63	4588	0.788	ug/l	98
39) Methacrylonitrile	4.968	41	2505m	1.087	ug/l	
40) Methyl acrylate	4.849	55	3701	1.098	ug/l #	88
41) Tetrahydrofuran	5.068	42	2602	2.146	ug/l #	88
42) 1-Chlorobutane	5.438	56	11659	0.947	ug/l	100
43) Dibromomethane	6.907	93	2343	0.776	ug/l	92
44) Bromodichloromethane	7.097	83	4541	0.667	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.801	43	13478	4.334	ug/l		98
46) t-1,4-Dichloro-2-butene	10.823	75	1668m	1.429	ug/l		
47) Methyl methacrylate	6.968	69	3954	1.560	ug/l	#	93
48) Ethyl methacrylate	8.338	69	3702	0.765	ug/l		92
49) Toluene	7.958	92	10802	0.795	ug/l		99
50) t-1,3-Dichloropropene	8.206	75	2889	0.541	ug/l		92
51) cis-1,3-Dichloropropene	7.602	75	4325	0.604	ug/l		96
52) 1,1,2-Trichloroethane	8.393	97	3237	0.797	ug/l		87
53) 1,3-Dichloropropane	8.569	76	5698	0.812	ug/l		99
54) 2-Hexanone	8.698	43	8345	4.040	ug/l		98
55) Dibromochloromethane	8.801	129	2510	0.585	ug/l		99
56) 1,2-Dibromoethane	8.917	107	2826	0.777	ug/l		99
58) Tetrachloroethene	8.540	164	4138	0.712	ug/l		97
59) Chlorobenzene	9.441	112	12059	0.773	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.524	131	3254	0.648	ug/l		98
61) Pentachloroethane	11.415	117	2738	0.772	ug/l	#	79
62) Hexachloroethane	12.466	117	2132	0.607	ug/l		89
63) Ethyl Benzene	9.563	91	21617	0.805	ug/l		99
64) m/p-Xylenes	9.685	106	16093	1.542	ug/l		97
65) o-Xylene	10.093	106	7571	0.755	ug/l		94
66) Styrene	10.110	104	12338	0.772	ug/l		97
67) Bromoform	10.283	173	1076	0.488	ug/l	#	94
69) Isopropylbenzene	10.476	105	19318	0.797	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.775	83	3982	0.806	ug/l		96
71) 1,2,3-Trichloropropane	10.817	75	3159m	0.787	ug/l		
72) Bromobenzene	10.778	156	4838	0.773	ug/l		89
73) n-propylbenzene	10.901	120	5843	0.800	ug/l		96
74) 2-Chlorotoluene	10.981	126	4961	0.769	ug/l		92
75) 1,3,5-Trimethylbenzene	11.081	105	17505	0.756	ug/l		98
76) 4-Chlorotoluene	11.093	126	5296	0.808	ug/l		99
77) tert-Butylbenzene	11.412	119	16547	0.747	ug/l		92
78) 1,2,4-Trimethylbenzene	11.463	105	17756	0.773	ug/l		95
79) sec-Butylbenzene	11.637	105	23867	0.799	ug/l		97
80) Nitrobenzene	13.225	77	158	1.822	ug/l	#	44
81) p-Isopropyltoluene	11.785	119	18683	0.750	ug/l		97
82) 1,3-Dichlorobenzene	11.740	146	10221	0.816	ug/l		97
83) 1,4-Dichlorobenzene	11.833	146	10256	0.818	ug/l		98
84) n-Butylbenzene	12.203	91	17867	0.773	ug/l		98
85) 1,2-Dichlorobenzene	12.206	146	9153	0.778	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	12.990	75	324	0.461	ug/l	#	88
87) 1,2,4-Trichlorobenzene	13.839	180	5039	0.689	ug/l		96
88) Hexachlorobutadiene	14.013	225	3225	0.776	ug/l		95
89) Naphthalene	14.090	128	9338	0.712	ug/l		97
90) 1,2,3-Trichlorobenzene	14.328	180	5269	0.779	ug/l		96

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

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