Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063535.D
Acq On : 18 Jul 2025 11:50
Operator : MD/SY
Sample : VU0718WBS02
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 18 23:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	20233	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7909	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
68) 1,2-Dichlorobenzene-d4	12.183	152	7416	1.047	ug/l	0.00
Spiked Amount 1.000			Recovery = 105.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	11517	1.930	ug/l	97
3) Chloromethane	1.518	50	11598	2.091	ug/l	99
4) Vinyl Chloride	1.599	62	14856	2.103	ug/l	99
5) Bromomethane	1.846	94	12510	2.349	ug/l	98
6) Chloroethane	1.923	64	9455	2.217	ug/l	98
7) Trichlorofluoromethane	2.129	101	21982	2.168	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	11650	2.198	ug/l	99
9) 1,1-Dichloroethene	2.570	96	11469	2.183	ug/l	99
10) Iodomethane	2.711	142	8386	1.886	ug/l	97
11) Allyl Chloride	2.910	41	15179	2.000	ug/l	92
12) Acrylonitrile	3.306	53	5284	4.022	ug/l	97
13) Acetone	2.618	43	10707	10.172	ug/l	99
14) Carbon Disulfide	2.779	76	29884	1.761	ug/l	97
15) Methylene Chloride	3.029	84	13588	2.197	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	12679	2.125	ug/l	96
17) 1,1-Dichloroethane	3.849	63	24826	2.245	ug/l	98
18) 2-Butanone	4.717	43	17869	10.962	ug/l	100
19) Cyclohexane	5.357	56	20151	2.152	ug/l	99
20) Methylcyclohexane	6.743	83	16656	1.830	ug/l	99
21) 2,2-Dichloropropane	4.644	77	19201	2.039	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	14551	2.248	ug/l	99
23) Diethyl Ether	2.370	59	9066	2.265	ug/l	94
24) tert-Butyl Alcohol	3.190	59	9981	20.656	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	30621	2.233	ug/l	95
26) Bromochloromethane	4.952	128	6006	2.222	ug/l	93
27) Chloroform	5.068	83	25415	2.252	ug/l	95
28) 1,1,1-Trichloroethane	5.293	97	19854	2.073	ug/l	96
29) 1,1-Dichloropropene	5.502	75	19114	2.155	ug/l	98
30) Carbon Tetrachloride	5.496	117	15127	1.963	ug/l	96
31) Isopropyl Ether	3.988	45	38568	2.311	ug/l	97
32) Ethyl-t-butyl ether	4.502	59	33853	2.192	ug/l	99
33) Tert-Amyl methyl ether	5.942	73	23163	1.728	ug/l	98
34) Propionitrile	4.775	54	5508	11.090	ug/l #	95
35) Benzene	5.756	78	43678	1.832	ug/l	96
36) 1,2-Dichloroethane	5.779	62	13615	1.838	ug/l	100
37) Trichloroethene	6.528	130	11322	1.862	ug/l	90
38) 1,2-Dichloropropane	6.782	63	10377	1.860	ug/l	91
39) Methacrylonitrile	4.975	41	4501	2.039	ug/l	99
40) Methyl acrylate	4.853	55	6736	2.087	ug/l	98
41) Tetrahydrofuran	5.058	42	5573	4.799	ug/l	88
42) 1-Chlorobutane	5.438	56	23868	2.024	ug/l	99
43) Dibromomethane	6.910	93	5720	1.979	ug/l	92
44) Bromodichloromethane	7.097	83	11850	1.818	ug/l	90

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	31197	10.474	ug/l		97
46) t-1,4-Dichloro-2-butene	10.817	75	5188m	4.640	ug/l		
47) Methyl methacrylate	6.968	69	8996	3.707	ug/l		93
48) Ethyl methacrylate	8.335	69	9290	2.006	ug/l		99
49) Toluene	7.958	92	25746	1.978	ug/l		98
50) t-1,3-Dichloropropene	8.206	75	7896	1.544	ug/l		99
51) cis-1,3-Dichloropropene	7.602	75	11136	1.623	ug/l		95
52) 1,1,2-Trichloroethane	8.393	97	8183	2.103	ug/l		97
53) 1,3-Dichloropropane	8.569	76	13909	2.071	ug/l		99
54) 2-Hexanone	8.692	43	19855	10.036	ug/l		98
55) Dibromochloromethane	8.801	129	6602	1.606	ug/l		99
56) 1,2-Dibromoethane	8.917	107	6737	1.935	ug/l		99
58) Tetrachloroethene	8.540	164	10524	1.891	ug/l		94
59) Chlorobenzene	9.441	112	29416	1.968	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.528	131	8208	1.708	ug/l		97
61) Pentachloroethane	11.418	117	6154	1.812	ug/l		89
62) Hexachloroethane	12.466	117	5086	1.512	ug/l		93
63) Ethyl Benzene	9.560	91	50124	1.949	ug/l		97
64) m/p-Xylenes	9.685	106	38644	3.865	ug/l		94
65) o-Xylene	10.090	106	18729	1.950	ug/l		96
66) Styrene	10.110	104	30077	1.964	ug/l		98
67) Bromoform	10.283	173	3032	1.436	ug/l	#	94
69) Isopropylbenzene	10.476	105	46030	1.982	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.775	83	9398	1.985	ug/l		98
71) 1,2,3-Trichloropropane	10.817	75	7499m	1.950	ug/l		
72) Bromobenzene	10.775	156	11376	1.898	ug/l		78
73) n-propylbenzene	10.897	120	13872	1.984	ug/l		94
74) 2-Chlorotoluene	10.978	126	11750	1.902	ug/l		99
75) 1,3,5-Trimethylbenzene	11.081	105	42877	1.933	ug/l		99
76) 4-Chlorotoluene	11.090	126	12663	2.018	ug/l		99
77) tert-Butylbenzene	11.412	119	41361	1.951	ug/l		97
78) 1,2,4-Trimethylbenzene	11.460	105	43519	1.977	ug/l		98
79) sec-Butylbenzene	11.634	105	57444	2.009	ug/l		98
80) Nitrobenzene	13.219	77	614	8.625	ug/l	#	52
81) p-Isopropyltoluene	11.785	119	47010	1.969	ug/l		98
82) 1,3-Dichlorobenzene	11.740	146	23706	1.977	ug/l		99
83) 1,4-Dichlorobenzene	11.830	146	24286	2.023	ug/l		99
84) n-Butylbenzene	12.203	91	44796	2.024	ug/l		97
85) 1,2-Dichlorobenzene	12.206	146	23077	2.048	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.987	75	1197	1.944	ug/l		86
87) 1,2,4-Trichlorobenzene	13.836	180	13513	1.929	ug/l		97
88) Hexachlorobutadiene	14.013	225	7537	1.894	ug/l		96
89) Naphthalene	14.084	128	25302	2.015	ug/l		98
90) 1,2,3-Trichlorobenzene	14.322	180	12842	1.983	ug/l		99

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

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