Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071725\
Data File : VU063522.D
Acq On : 17 Jul 2025 13:13
Operator : MD/SY
Sample : VU0717WBSD01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 18 04:11:50 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 :
VU0717WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	21661	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	8475	1.033	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	8367	1.103	ug/l	0.00
Spiked Amount 1.000			Recovery = 110.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	12499	1.957	ug/l	98
3) Chloromethane	1.518	50	13003	2.190	ug/l	99
4) Vinyl Chloride	1.599	62	15770	2.086	ug/l	97
5) Bromomethane	1.846	94	13288	2.330	ug/l	98
6) Chloroethane	1.923	64	9681	2.120	ug/l	99
7) Trichlorofluoromethane	2.126	101	23147	2.132	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	12255	2.160	ug/l	99
9) 1,1-Dichloroethene	2.566	96	11828	2.103	ug/l	95
10) Iodomethane	2.708	142	8884	1.876	ug/l	99
11) Allyl Chloride	2.907	41	16934	2.084	ug/l	90
12) Acrylonitrile	3.309	53	5855	4.163	ug/l	94
13) Acetone	2.618	43	11698	10.381	ug/l	97
14) Carbon Disulfide	2.779	76	34405	1.894	ug/l	97
15) Methylene Chloride	3.026	84	15282	2.308	ug/l	94
16) trans-1,2-Dichloroethene	3.335	96	13484	2.111	ug/l	98
17) 1,1-Dichloroethane	3.849	63	25505	2.155	ug/l	99
18) 2-Butanone	4.718	43	18247	10.456	ug/l	95
19) Cyclohexane	5.357	56	21549	2.150	ug/l	98
20) Methylcyclohexane	6.740	83	18558	1.905	ug/l	98
21) 2,2-Dichloropropane	4.644	77	20534	2.037	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	14692	2.120	ug/l	98
23) Diethyl Ether	2.370	59	9212	2.150	ug/l	95
24) tert-Butyl Alcohol	3.197	59	10881	21.035	ug/l	96
25) Methyl tert-Butyl Ether	3.361	73	31736	2.162	ug/l	97
26) Bromochloromethane	4.955	128	6089	2.104	ug/l	92
27) Chloroform	5.068	83	26421	2.187	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	21787	2.125	ug/l	99
29) 1,1-Dichloropropene	5.502	75	21238	2.236	ug/l	99
30) Carbon Tetrachloride	5.499	117	16882	2.046	ug/l	94
31) Isopropyl Ether	3.994	45	39443	2.207	ug/l	100
32) Ethyl-t-butyl ether	4.505	59	35419	2.142	ug/l	96
33) Tert-Amyl methyl ether	5.943	73	25195	1.756	ug/l	99
34) Propionitrile	4.782	54	6040	11.359	ug/l #	95
35) Benzene	5.753	78	45875	1.798	ug/l	99
36) 1,2-Dichloroethane	5.782	62	14343	1.809	ug/l	99
37) Trichloroethene	6.525	130	12117	1.861	ug/l	99
38) 1,2-Dichloropropane	6.782	63	11764	1.970	ug/l	96
39) Methacrylonitrile	4.972	41	4816	2.038	ug/l	94
40) Methyl acrylate	4.853	55	6941	2.009	ug/l #	95
41) Tetrahydrofuran	5.062	42	5070	4.078	ug/l	98
42) 1-Chlorobutane	5.435	56	25415	2.013	ug/l	95
43) Dibromomethane	6.910	93	6168	1.994	ug/l	93
44) Bromodichloromethane	7.097	83	12700	1.820	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	32113	10.071	ug/l		100
46) t-1,4-Dichloro-2-butene	10.823	75	4288m	3.582	ug/l		
47) Methyl methacrylate	6.968	69	9711	3.737	ug/l		98
48) Ethyl methacrylate	8.335	69	9783	1.973	ug/l		100
49) Toluene	7.959	92	27325	1.961	ug/l		100
50) t-1,3-Dichloropropene	8.206	75	9349	1.708	ug/l		99
51) cis-1,3-Dichloropropene	7.602	75	12871	1.752	ug/l		99
52) 1,1,2-Trichloroethane	8.393	97	8548	2.052	ug/l		97
53) 1,3-Dichloropropane	8.569	76	14962	2.081	ug/l		99
54) 2-Hexanone	8.692	43	21753	10.271	ug/l		99
55) Dibromochloromethane	8.801	129	7756	1.762	ug/l		96
56) 1,2-Dibromoethane	8.917	107	7538	2.022	ug/l		99
58) Tetrachloroethene	8.544	164	11718	1.967	ug/l		96
59) Chlorobenzene	9.441	112	31422	1.964	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.524	131	9309	1.809	ug/l		98
61) Pentachloroethane	11.415	117	6595	1.814	ug/l		94
62) Hexachloroethane	12.466	117	6118	1.699	ug/l		98
63) Ethyl Benzene	9.563	91	54379	1.975	ug/l		97
64) m/p-Xylenes	9.685	106	42437	3.965	ug/l		99
65) o-Xylene	10.094	106	20286	1.972	ug/l		96
66) Styrene	10.110	104	32779	2.000	ug/l		99
67) Bromoform	10.283	173	3723	1.647	ug/l	#	97
69) Isopropylbenzene	10.476	105	51101	2.055	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.775	83	10327	2.038	ug/l		97
71) 1,2,3-Trichloropropane	10.817	75	7171m	1.742	ug/l		
72) Bromobenzene	10.778	156	12879	2.007	ug/l		95
73) n-propylbenzene	10.897	120	15141	2.023	ug/l		95
74) 2-Chlorotoluene	10.978	126	13109	1.982	ug/l		95
75) 1,3,5-Trimethylbenzene	11.081	105	47178	1.986	ug/l		99
76) 4-Chlorotoluene	11.090	126	13659	2.033	ug/l		99
77) tert-Butylbenzene	11.412	119	45406	2.000	ug/l		98
78) 1,2,4-Trimethylbenzene	11.460	105	47334	2.009	ug/l		97
79) sec-Butylbenzene	11.634	105	62131	2.030	ug/l		98
80) Nitrobenzene	13.219	77	815m	10.269	ug/l		
81) p-Isopropyltoluene	11.785	119	51424	2.012	ug/l		98
82) 1,3-Dichlorobenzene	11.740	146	26072	2.031	ug/l		99
83) 1,4-Dichlorobenzene	11.830	146	25409	1.977	ug/l		95
84) n-Butylbenzene	12.203	91	49653	2.095	ug/l		98
85) 1,2-Dichlorobenzene	12.206	146	23948	1.985	ug/l		100
86) 1,2-Dibromo-3-Chloropr...	12.991	75	1326	2.003	ug/l		97
87) 1,2,4-Trichlorobenzene	13.836	180	15210	2.028	ug/l		98
88) Hexachlorobutadiene	14.013	225	8359	1.962	ug/l		100
89) Naphthalene	14.087	128	28386	2.112	ug/l		99
90) 1,2,3-Trichlorobenzene	14.322	180	14091	2.033	ug/l		98

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

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