Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
Data File : VU063670.D
Acq On : 05 Nov 2025 13:18
Operator : MD/SY
Sample : VU1105WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 04:01:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Nov 03 00:51:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.081	96	61339	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.608	95	23957	0.863	ug/l	0.00
Spiked Amount 1.000			Recovery =	86.000%		
68) 1,2-Dichlorobenzene-d4	12.168	152	22993	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.371	85	41390	1.793	ug/l	99
3) Chloromethane	1.509	50	38607	1.778	ug/l	99
4) Vinyl Chloride	1.589	62	40350	1.828	ug/l	98
5) Bromomethane	1.824	94	25420	1.905	ug/l	97
6) Chloroethane	1.908	64	25020	1.846	ug/l	99
7) Trichlorofluoromethane	2.113	101	61305	1.909	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.554	101	32473	1.901	ug/l	98
9) 1,1-Dichloroethene	2.554	96	30664	1.854	ug/l	98
10) Iodomethane	2.692	142	40961	1.668	ug/l	98
11) Allyl Chloride	2.892	41	45525	1.763	ug/l	93
12) Acrylonitrile	3.284	53	15722	3.843	ug/l	98
13) Acetone	2.602	43	68669	9.503	ug/l	99
14) Carbon Disulfide	2.760	76	81601	1.751	ug/l	99
15) Methylene Chloride	3.011	84	38599	1.816	ug/l	96
16) trans-1,2-Dichloroethene	3.316	96	35788	1.962	ug/l	98
17) 1,1-Dichloroethane	3.827	63	67717	1.875	ug/l	99
18) 2-Butanone	4.692	43	70395	9.184	ug/l	96
19) Cyclohexane	5.342	56	51794	1.876	ug/l	99
20) Methylcyclohexane	6.724	83	61959	1.803	ug/l	98
21) 2,2-Dichloropropane	4.625	77	58739	1.812	ug/l	99
22) cis-1,2-Dichloroethene	4.628	96	39294	1.892	ug/l	99
23) Diethyl Ether	2.355	59	25065	1.850	ug/l	94
24) tert-Butyl Alcohol	3.165	59	63490	27.181	ug/l #	91
25) Methyl tert-Butyl Ether	3.342	73	92180	1.902	ug/l	98
26) Bromochloromethane	4.933	128	16918	1.932	ug/l	98
27) Chloroform	5.049	83	70242	1.900	ug/l	98
28) 1,1,1-Trichloroethane	5.274	97	61045	1.873	ug/l	98
29) 1,1-Dichloropropene	5.486	75	51230	1.872	ug/l	99
30) Carbon Tetrachloride	5.483	117	46045	1.785	ug/l	96
31) Isopropyl Ether	3.969	45	108661	1.899	ug/l	98
32) Ethyl-t-butyl ether	4.483	59	104014	1.886	ug/l	99
33) Tert-Amyl methyl ether	5.920	73	94622	1.971	ug/l	97
34) Propionitrile	4.753	54	14932	9.969	ug/l #	95
35) Benzene	5.737	78	146056	1.894	ug/l	97
36) 1,2-Dichloroethane	5.760	62	47854	1.932	ug/l	99
37) Trichloroethene	6.509	130	42203	1.920	ug/l	99
38) 1,2-Dichloropropane	6.763	63	38996	1.807	ug/l	95
39) Methacrylonitrile	4.949	41	12421	1.666	ug/l	96
40) Methyl acrylate	4.827	55	19612	1.811	ug/l #	96
41) Tetrahydrofuran	5.039	42	12241	3.649	ug/l	91
42) 1-Chlorobutane	5.419	56	66888	1.824	ug/l	93
43) Dibromomethane	6.891	93	21056	1.886	ug/l	100
44) Bromodichloromethane	7.078	83	46296	1.695	ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Nov 03 00:51:51 2025
Response via : Initial Calibration

Instrument :
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Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	122251	9.079	ug/l	99
46) t-1,4-Dichloro-2-butene	10.811	75	12689m	2.717	ug/l	
47) Methyl methacrylate	6.946	69	38123	3.711	ug/l	96
48) Ethyl methacrylate	8.316	69	38268	1.831	ug/l	95
49) Toluene	7.943	92	94676	1.820	ug/l	98
50) t-1,3-Dichloropropene	8.187	75	39329	1.657	ug/l	97
51) cis-1,3-Dichloropropene	7.583	75	50160	1.690	ug/l	98
52) 1,1,2-Trichloroethane	8.377	97	28586	1.883	ug/l	100
53) 1,3-Dichloropropane	8.550	76	51234	1.889	ug/l	98
54) 2-Hexanone	8.669	43	100501	8.841	ug/l	100
55) Dibromochloromethane	8.782	129	29733	1.663	ug/l	99
56) 1,2-Dibromoethane	8.901	107	26373	1.826	ug/l	99
58) Tetrachloroethene	8.525	164	41950	1.951	ug/l	97
59) Chlorobenzene	9.422	112	103423	1.833	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.509	131	33619	1.702	ug/l	100
61) Pentachloroethane	11.402	117	23584	1.721	ug/l	99
62) Hexachloroethane	12.451	117	23421	1.560	ug/l	99
63) Ethyl Benzene	9.544	91	187258	1.833	ug/l	99
64) m/p-Xylenes	9.669	106	138653	3.635	ug/l	98
65) o-Xylene	10.075	106	69490	1.859	ug/l	98
66) Styrene	10.091	104	110666	1.825	ug/l	98
67) Bromoform	10.267	173	15036	1.558	ug/l	98
69) Isopropylbenzene	10.457	105	171640	1.859	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.756	83	35588	1.866	ug/l	100
71) 1,2,3-Trichloropropane	10.798	75	28812m	1.737	ug/l	
72) Bromobenzene	10.759	156	42741	1.915	ug/l	98
73) n-propylbenzene	10.882	120	47902	1.826	ug/l	100
74) 2-Chlorotoluene	10.962	126	42451	1.867	ug/l	100
75) 1,3,5-Trimethylbenzene	11.062	105	154808	1.814	ug/l	99
76) 4-Chlorotoluene	11.075	126	42632	1.868	ug/l	100
77) tert-Butylbenzene	11.393	119	154617	1.849	ug/l	100
78) 1,2,4-Trimethylbenzene	11.441	105	151434	1.849	ug/l	99
79) sec-Butylbenzene	11.618	105	201995	1.836	ug/l	99
80) Nitrobenzene	13.190	77	4245m	6.330	ug/l	
81) p-Isopropyltoluene	11.769	119	166533	1.849	ug/l	99
82) 1,3-Dichlorobenzene	11.721	146	80902	1.871	ug/l	98
83) 1,4-Dichlorobenzene	11.811	146	84057	1.957	ug/l	97
84) n-Butylbenzene	12.184	91	150013	1.858	ug/l	100
85) 1,2-Dichlorobenzene	12.187	146	77245	1.889	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.972	75	5511	1.744	ug/l	98
87) 1,2,4-Trichlorobenzene	13.814	180	49826	1.978	ug/l	99
88) Hexachlorobutadiene	13.994	225	28433	1.896	ug/l	99
89) Naphthalene	14.065	128	96134	1.983	ug/l	100
90) 1,2,3-Trichlorobenzene	14.303	180	46381	2.014	ug/l	99

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

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