

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063672.D
 Acq On : 05 Nov 2025 14:57
 Operator : MD/SY
 Sample : Q3530-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 06 04:38:02 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

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	61110	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	23571	0.853	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	21747	0.877	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	6326	0.275	ug/l	94
3) Chloromethane	1.509	50	6425	0.297	ug/l	96
4) Vinyl Chloride	1.589	62	6753	0.307	ug/l	91
5) Bromomethane	1.840	94	5289	0.398	ug/l	95
6) Chloroethane	1.914	64	3806	0.282	ug/l	99
7) Trichlorofluoromethane	2.116	101	8864	0.277	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	5030	0.296	ug/l	94
9) 1,1-Dichloroethene	2.557	96	5299	0.322	ug/l	99
10) Iodomethane	2.698	142	4649	0.190	ug/l	94
11) Allyl Chloride	2.895	41	6728	0.262	ug/l	94
12) Acrylonitrile	3.293	53	2615	0.642	ug/l #	75
13) Acetone	2.605	43	10745	1.493	ug/l	92
14) Carbon Disulfide	2.766	76	12027	0.259	ug/l	96
15) Methylene Chloride	3.014	84	6588	0.311	ug/l	87
16) trans-1,2-Dichloroethene	3.319	96	6336	0.349	ug/l	95
17) 1,1-Dichloroethane	3.833	63	11243	0.312	ug/l	98
18) 2-Butanone	4.692	43	10631	1.392	ug/l	97
19) Cyclohexane	5.345	56	7827	0.285	ug/l #	87
20) Methylcyclohexane	6.727	83	9631	0.281	ug/l	97
21) 2,2-Dichloropropane	4.624	77	9536	0.295	ug/l #	89
22) cis-1,2-Dichloroethene	4.631	96	6520	0.315	ug/l	90
23) Diethyl Ether	2.361	59	3838	0.284	ug/l	92
24) tert-Butyl Alcohol	3.171	59	5757	2.474	ug/l #	86
25) Methyl tert-Butyl Ether	3.345	73	14369	0.298	ug/l	100
26) Bromochloromethane	4.940	128	2855	0.327	ug/l	84
27) Chloroform	5.055	83	10504	0.285	ug/l	93
28) 1,1,1-Trichloroethane	5.277	97	9362	0.288	ug/l	97
29) 1,1-Dichloropropene	5.486	75	7809	0.286	ug/l	90
30) Carbon Tetrachloride	5.489	117	7262	0.283	ug/l	95
31) Isopropyl Ether	3.972	45	16997	0.298	ug/l	91
32) Ethyl-t-butyl ether	4.480	59	15603	0.284	ug/l	92
33) Tert-Amyl methyl ether	5.920	73	14213	0.297	ug/l #	97
34) Propionitrile	4.753	54	2137	1.432	ug/l #	83
35) Benzene	5.737	78	21979	0.286	ug/l	100
36) 1,2-Dichloroethane	5.766	62	7913	0.321	ug/l	98
37) Trichloroethene	6.515	130	6454	0.295	ug/l	84
38) 1,2-Dichloropropane	6.766	63	5810	0.270	ug/l	97
39) Methacrylonitrile	4.952	41	2202	0.296	ug/l #	80
40) Methyl acrylate	4.833	55	3213	0.298	ug/l #	89
41) Tetrahydrofuran	5.039	42	3084	0.923	ug/l #	82
42) 1-Chlorobutane	5.422	56	11148	0.305	ug/l	98
43) Dibromomethane	6.891	93	2961	0.266	ug/l	91
44) Bromodichloromethane	7.084	83	6982	0.257	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	16873	1.258	ug/l	97
46) t-1,4-Dichloro-2-butene	10.814	75	1669m	0.359	ug/l	
47) Methyl methacrylate	6.952	69	5409	0.528	ug/l	95
48) Ethyl methacrylate	8.322	69	5867	0.282	ug/l	97
49) Toluene	7.946	92	14554	0.281	ug/l	100
50) t-1,3-Dichloropropene	8.190	75	5775	0.244	ug/l	98
51) cis-1,3-Dichloropropene	7.586	75	7490	0.253	ug/l	96
52) 1,1,2-Trichloroethane	8.380	97	4280	0.283	ug/l	96
53) 1,3-Dichloropropane	8.554	76	7441	0.275	ug/l	96
54) 2-Hexanone	8.682	43	15033	1.327	ug/l	90
55) Dibromochloromethane	8.785	129	4199	0.236	ug/l	98
56) 1,2-Dibromoethane	8.904	107	3829	0.266	ug/l	100
58) Tetrachloroethene	8.528	164	6223	0.290	ug/l	98
59) Chlorobenzene	9.425	112	16220	0.289	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.508	131	5029	0.256	ug/l	97
61) Pentachloroethane	11.399	117	3045	0.223	ug/l	88
62) Hexachloroethane	12.450	117	3065	0.205	ug/l	100
63) Ethyl Benzene	9.547	91	28256	0.278	ug/l	99
64) m/p-Xylenes	9.669	106	20356	0.536	ug/l	99
65) o-Xylene	10.078	106	9849	0.264	ug/l	95
66) Styrene	10.094	104	16404	0.272	ug/l	97
67) Bromoform	10.267	173	2007	0.209	ug/l #	93
69) Isopropylbenzene	10.460	105	24110	0.262	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.756	83	4835	0.255	ug/l	91
71) 1,2,3-Trichloropropane	10.798	75	4605m	0.279	ug/l	
72) Bromobenzene	10.766	156	6682	0.300	ug/l	92
73) n-propylbenzene	10.885	120	6559	0.251	ug/l	88
74) 2-Chlorotoluene	10.962	126	6097	0.269	ug/l	100
75) 1,3,5-Trimethylbenzene	11.065	105	21429	0.252	ug/l	96
76) 4-Chlorotoluene	11.078	126	6404	0.282	ug/l	85
77) tert-Butylbenzene	11.393	119	22572	0.271	ug/l	97
78) 1,2,4-Trimethylbenzene	11.447	105	21900	0.268	ug/l	100
79) sec-Butylbenzene	11.621	105	28859	0.263	ug/l	100
80) Nitrobenzene	13.203	77	792m	1.185	ug/l	
81) p-Isopropyltoluene	11.769	119	22950	0.256	ug/l	98
82) 1,3-Dichlorobenzene	11.724	146	12314	0.286	ug/l	98
83) 1,4-Dichlorobenzene	11.817	146	12188	0.285	ug/l	96
84) n-Butylbenzene	12.184	91	22484	0.280	ug/l	99
85) 1,2-Dichlorobenzene	12.190	146	11963	0.294	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.968	75	663	0.211	ug/l	89
87) 1,2,4-Trichlorobenzene	13.820	180	7886	0.314	ug/l	98
88) Hexachlorobutadiene	13.994	225	4160	0.278	ug/l	92
89) Naphthalene	14.068	128	18473	0.383	ug/l	99
90) 1,2,3-Trichlorobenzene	14.306	180	8078	0.352	ug/l	99

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

