

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063684.D
 Acq On : 07 Nov 2025 13:58
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Quant Time: Nov 08 02:34:25 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	55403	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	21977	0.877	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	20530	0.914	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	13708	0.657	ug/l	97
3) Chloromethane	1.509	50	12842	0.655	ug/l	98
4) Vinyl Chloride	1.589	62	13565	0.680	ug/l	91
5) Bromomethane	1.840	94	10883	0.903	ug/l	91
6) Chloroethane	1.917	64	9319	0.761	ug/l	98
7) Trichlorofluoromethane	2.119	101	20983	0.723	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	10642	0.690	ug/l	97
9) 1,1-Dichloroethene	2.557	96	11343	0.759	ug/l	86
10) Iodomethane	2.695	142	10131	0.457	ug/l	92
11) Allyl Chloride	2.894	41	15915	0.682	ug/l	100
12) Acrylonitrile	3.290	53	5159	1.396	ug/l	89
13) Acetone	2.605	43	19082	2.924	ug/l	95
14) Carbon Disulfide	2.766	76	23988	0.570	ug/l	97
15) Methylene Chloride	3.013	84	15109	0.787	ug/l	95
16) trans-1,2-Dichloroethene	3.316	96	12335	0.749	ug/l	98
17) 1,1-Dichloroethane	3.830	63	24421	0.748	ug/l	99
18) 2-Butanone	4.695	43	20149	2.910	ug/l	97
19) Cyclohexane	5.341	56	18014	0.722	ug/l	98
20) Methylcyclohexane	6.727	83	21049	0.678	ug/l	99
21) 2,2-Dichloropropane	4.627	77	18962	0.648	ug/l	96
22) cis-1,2-Dichloroethene	4.631	96	14192	0.757	ug/l	98
23) Diethyl Ether	2.357	59	8535	0.697	ug/l	97
24) tert-Butyl Alcohol	3.177	59	14586	6.914	ug/l #	92
25) Methyl tert-Butyl Ether	3.345	73	30736	0.702	ug/l	98
26) Bromochloromethane	4.936	128	5677	0.718	ug/l	98
27) Chloroform	5.052	83	24538	0.735	ug/l	95
28) 1,1,1-Trichloroethane	5.274	97	19819	0.673	ug/l	96
29) 1,1-Dichloropropene	5.486	75	18180	0.736	ug/l	98
30) Carbon Tetrachloride	5.479	117	15434	0.662	ug/l	97
31) Isopropyl Ether	3.971	45	36969	0.715	ug/l	99
32) Ethyl-t-butyl ether	4.480	59	34315	0.689	ug/l	100
33) Tert-Amyl methyl ether	5.926	73	29664	0.684	ug/l	99
34) Propionitrile	4.756	54	5035	3.722	ug/l #	88
35) Benzene	5.737	78	51599	0.741	ug/l	99
36) 1,2-Dichloroethane	5.762	62	15568	0.696	ug/l	97
37) Trichloroethene	6.512	130	14868	0.749	ug/l	91
38) 1,2-Dichloropropane	6.766	63	12904	0.662	ug/l	99
39) Methacrylonitrile	4.959	41	4825	0.716	ug/l #	85
40) Methyl acrylate	4.827	55	7207	0.737	ug/l #	88
41) Tetrahydrofuran	5.039	42	5303	1.750	ug/l	92
42) 1-Chlorobutane	5.418	56	23352	0.705	ug/l	92
43) Dibromomethane	6.894	93	7026	0.697	ug/l	96
44) Bromodichloromethane	7.081	83	14352	0.582	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063684.D
 Acq On : 07 Nov 2025 13:58
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Quant Time: Nov 08 02:34:25 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)
45) 4-Methyl-2-Pentanone	7.782	43	37234	3.061	ug/l	97
46) t-1,4-Dichloro-2-butene	10.804	75	5767m	1.367	ug/l	
47) Methyl methacrylate	6.952	69	12042	1.298	ug/l	93
48) Ethyl methacrylate	8.319	69	11472	0.608	ug/l	99
49) Toluene	7.942	92	30893	0.658	ug/l	100
50) t-1,3-Dichloropropene	8.190	75	11659	0.544	ug/l	95
51) cis-1,3-Dichloropropene	7.585	75	15080	0.563	ug/l	98
52) 1,1,2-Trichloroethane	8.376	97	9281	0.677	ug/l	97
53) 1,3-Dichloropropane	8.553	76	16517	0.674	ug/l	96
54) 2-Hexanone	8.679	43	27010	2.630	ug/l	98
55) Dibromochloromethane	8.788	129	8479	0.525	ug/l	99
56) 1,2-Dibromoethane	8.901	107	8184	0.627	ug/l	99
58) Tetrachloroethene	8.524	164	13746	0.708	ug/l	95
59) Chlorobenzene	9.425	112	34210	0.671	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.508	131	10846	0.608	ug/l	96
61) Pentachloroethane	11.402	117	6970	0.563	ug/l	95
62) Hexachloroethane	12.450	117	6279	0.463	ug/l	93
63) Ethyl Benzene	9.547	91	60404	0.654	ug/l	97
64) m/p-Xylenes	9.669	106	46028	1.336	ug/l	97
65) o-Xylene	10.077	106	22295	0.660	ug/l	98
66) Styrene	10.093	104	34943	0.638	ug/l	98
67) Bromoform	10.267	173	4200	0.482	ug/l	98
69) Isopropylbenzene	10.460	105	54366	0.652	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.759	83	11038	0.641	ug/l	99
71) 1,2,3-Trichloropropane	10.801	75	8593m	0.573	ug/l	
72) Bromobenzene	10.762	156	13827	0.686	ug/l	87
73) n-propylbenzene	10.881	120	15646	0.660	ug/l	93
74) 2-Chlorotoluene	10.962	126	14406	0.702	ug/l	94
75) 1,3,5-Trimethylbenzene	11.064	105	48393	0.628	ug/l	99
76) 4-Chlorotoluene	11.077	126	13876	0.673	ug/l	96
77) tert-Butylbenzene	11.396	119	48555	0.643	ug/l	99
78) 1,2,4-Trimethylbenzene	11.444	105	47293	0.639	ug/l	98
79) sec-Butylbenzene	11.618	105	64000	0.644	ug/l	99
80) Nitrobenzene	13.196	77	1097m	1.811	ug/l	
81) p-Isopropyltoluene	11.769	119	52228	0.642	ug/l	99
82) 1,3-Dichlorobenzene	11.724	146	26626	0.682	ug/l	98
83) 1,4-Dichlorobenzene	11.814	146	28221	0.727	ug/l	98
84) n-Butylbenzene	12.187	91	46170	0.633	ug/l	99
85) 1,2-Dichlorobenzene	12.190	146	25814	0.699	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.971	75	1429	0.501	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.817	180	15150	0.666	ug/l	97
88) Hexachlorobutadiene	13.994	225	9426	0.696	ug/l	98
89) Naphthalene	14.068	128	28940	0.661	ug/l	98
90) 1,2,3-Trichlorobenzene	14.306	180	13959	0.671	ug/l	97

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

