

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063574.D
 Acq On : 15 Sep 2025 12:37
 Operator : MD/SY
 Sample : VU0915WBSD01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0915WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 04:56:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 03:31:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.097	96	33225	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	12210	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13404	1.062	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	21791	1.987	ug/l	98
3) Chloromethane	1.518	50	21798	2.030	ug/l	99
4) Vinyl Chloride	1.599	62	24121	2.074	ug/l	99
5) Bromomethane	1.833	94	14860	2.069	ug/l	100
6) Chloroethane	1.917	64	15874	2.122	ug/l	96
7) Trichlorofluoromethane	2.123	101	34777	2.037	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	19967	2.089	ug/l	97
9) 1,1-Dichloroethene	2.566	96	17162	1.982	ug/l	96
10) Iodomethane	2.705	142	22163	1.779	ug/l	96
11) Allyl Chloride	2.907	41	28991	2.014	ug/l	99
12) Acrylonitrile	3.303	53	11264	4.298	ug/l	97
13) Acetone	2.621	43	35315	9.518	ug/l	98
14) Carbon Disulfide	2.772	76	32938	1.821	ug/l	98
15) Methylene Chloride	3.029	84	27611	2.413	ug/l	96
16) trans-1,2-Dichloroethene	3.335	96	18646	2.021	ug/l	94
17) 1,1-Dichloroethane	3.846	63	44951	2.127	ug/l	98
18) 2-Butanone	4.714	43	41318	9.778	ug/l	99
19) Cyclohexane	5.354	56	31777	1.878	ug/l	93
20) Methylcyclohexane	6.740	83	28583	1.842	ug/l	97
21) 2,2-Dichloropropane	4.640	77	31079	1.988	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	23916	2.112	ug/l	98
23) Diethyl Ether	2.370	59	15853	2.066	ug/l	96
24) tert-Butyl Alcohol	3.200	59	20140	19.800	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	53415	2.066	ug/l	98
26) Bromochloromethane	4.955	128	9141	1.997	ug/l	94
27) Chloroform	5.068	83	43400	2.052	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	32306	1.987	ug/l	96
29) 1,1-Dichloropropene	5.502	75	30523	2.021	ug/l	98
30) Carbon Tetrachloride	5.496	117	23483	1.962	ug/l	96
31) Isopropyl Ether	3.991	45	74008	2.089	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	64679	2.138	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	51150	1.984	ug/l	98
34) Propionitrile	4.775	54	11004	11.133	ug/l #	89
35) Benzene	5.753	78	92172	2.120	ug/l	97
36) 1,2-Dichloroethane	5.779	62	31154	2.123	ug/l	100
37) Trichloroethene	6.525	130	21574	1.993	ug/l	99
38) 1,2-Dichloropropane	6.779	63	22464	1.950	ug/l	100
39) Methacrylonitrile	4.975	41	10090	2.163	ug/l #	88
40) Methyl acrylate	4.846	55	12207	1.909	ug/l #	95
41) Tetrahydrofuran	5.058	42	10028	4.123	ug/l	96
42) 1-Chlorobutane	5.438	56	42829	2.023	ug/l	92
43) Dibromomethane	6.904	93	10190	1.845	ug/l	97
44) Bromodichloromethane	7.094	83	22856	1.937	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063574.D
 Acq On : 15 Sep 2025 12:37
 Operator : MD/SY
 Sample : VU0915WBSD01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0915WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 04:56:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 03:31:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	68123	9.849	ug/l	99
46) t-1,4-Dichloro-2-butene	10.817	75	10539m	4.072	ug/l	
47) Methyl methacrylate	6.965	69	17393	3.520	ug/l	93
48) Ethyl methacrylate	8.335	69	16990	1.854	ug/l	91
49) Toluene	7.959	92	46276	1.961	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	17431	1.972	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	21928	1.865	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	16324	2.088	ug/l	97
53) 1,3-Dichloropropane	8.566	76	26972	1.986	ug/l	100
54) 2-Hexanone	8.688	43	48300	9.556	ug/l	96
55) Dibromochloromethane	8.801	129	13599	1.795	ug/l	100
56) 1,2-Dibromoethane	8.917	107	13364	1.982	ug/l	96
58) Tetrachloroethene	8.541	164	21385	2.006	ug/l	90
59) Chlorobenzene	9.441	112	55066	2.025	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	16747	1.886	ug/l	98
61) Pentachloroethane	11.418	117	12538	1.970	ug/l	87
62) Hexachloroethane	12.466	117	10204	1.843	ug/l	92
63) Ethyl Benzene	9.563	91	91906	1.980	ug/l	96
64) m/p-Xylenes	9.685	106	70040	3.926	ug/l	97
65) o-Xylene	10.094	106	34003	1.904	ug/l	94
66) Styrene	10.110	104	55067	1.932	ug/l	98
67) Bromoform	10.280	173	7498	1.987	ug/l #	97
69) Isopropylbenzene	10.476	105	85830	1.980	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.772	83	19989	2.008	ug/l #	97
71) 1,2,3-Trichloropropane	10.817	75	14542m	1.971	ug/l	
72) Bromobenzene	10.775	156	22728	2.021	ug/l	98
73) n-propylbenzene	10.897	120	24700	1.971	ug/l	97
74) 2-Chlorotoluene	10.978	126	22451	1.982	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	78074	1.926	ug/l	100
76) 4-Chlorotoluene	11.090	126	23759	2.002	ug/l	92
77) tert-Butylbenzene	11.409	119	76579	1.954	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	79249	2.009	ug/l	99
79) sec-Butylbenzene	11.634	105	107524	2.025	ug/l	100
80) Nitrobenzene	13.219	77	1792m	12.161	ug/l	
81) p-Isopropyltoluene	11.785	119	84674	1.982	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	45340	2.003	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	45308	1.949	ug/l	98
84) n-Butylbenzene	12.203	91	79344	1.981	ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	43803	2.007	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	2250	1.754	ug/l	94
87) 1,2,4-Trichlorobenzene	13.836	180	27635	2.091	ug/l	97
88) Hexachlorobutadiene	14.013	225	16293	1.981	ug/l	99
89) Naphthalene	14.084	128	49081	2.100	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	25112	2.002	ug/l	98

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

