

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063438.D
 Acq On : 24 Jun 2025 14:52
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 06:26:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	53341	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	22163	1.132	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18922	0.962	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	209833	10.242	ug/l	99
3) Chloromethane	1.518	50	231670	8.583	ug/l	98
4) Vinyl Chloride	1.599	62	201185	8.705	ug/l	99
5) Bromomethane	1.843	94	117237	10.588	ug/l	98
6) Chloroethane	1.924	64	138941	10.150	ug/l	99
7) Trichlorofluoromethane	2.126	101	276626	10.497	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	145722	10.380	ug/l	98
9) 1,1-Dichloroethene	2.567	96	147177	10.508	ug/l	99
10) Iodomethane	2.708	142	144420	12.774	ug/l	98
11) Allyl Chloride	2.907	41	255642	10.247	ug/l	98
12) Acrylonitrile	3.303	53	79357m	19.611	ug/l	
13) Acetone	2.618	43	258906	59.271	ug/l	100
14) Carbon Disulfide	2.776	76	493433	10.103	ug/l	99
15) Methylene Chloride	3.026	84	173868	9.793	ug/l	99
16) trans-1,2-Dichloroethene	3.332	96	163610	10.382	ug/l	98
17) 1,1-Dichloroethane	3.846	63	340533	10.291	ug/l	100
18) 2-Butanone	4.718	43	326105	57.744	ug/l	99
19) Cyclohexane	5.357	56	287307	11.477	ug/l	93
20) Methylcyclohexane	6.746	83	259349	11.158	ug/l	97
21) 2,2-Dichloropropane	4.644	77	249662	10.615	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	175256	10.188	ug/l	98
23) Diethyl Ether	2.370	59	132665	10.498	ug/l	97
24) tert-Butyl Alcohol	3.197	59	139461	104.756	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	399643	10.491	ug/l	98
26) Bromochloromethane	4.956	128	68828	10.280	ug/l	97
27) Chloroform	5.071	83	317488	10.235	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	263459	10.474	ug/l	99
29) 1,1-Dichloropropene	5.502	75	251152	10.930	ug/l	97
30) Carbon Tetrachloride	5.499	117	214825	10.693	ug/l	98
31) Isopropyl Ether	3.994	45	529280	10.239	ug/l	100
32) Ethyl-t-butyl ether	4.505	59	452865	10.336	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	349325	11.138	ug/l	97
34) Propionitrile	4.779	54	81608	49.955	ug/l	97
35) Benzene	5.753	78	748092	10.763	ug/l	99
36) 1,2-Dichloroethane	5.782	62	207242	10.199	ug/l	100
37) Trichloroethene	6.528	130	172556	10.505	ug/l	97
38) 1,2-Dichloropropane	6.782	63	213308	11.111	ug/l	100
39) Methacrylonitrile	4.972	41	63362	9.323	ug/l	97
40) Methyl acrylate	4.849	55	96795	10.143	ug/l	99
41) Tetrahydrofuran	5.062	42	66555	18.203	ug/l	97
42) 1-Chlorobutane	5.438	56	339005	10.400	ug/l	97
43) Dibromomethane	6.907	93	94008	10.483	ug/l	98
44) Bromodichloromethane	7.097	83	229202	10.492	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063438.D
 Acq On : 24 Jun 2025 14:52
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 06:26:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	543153	56.422	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	58009m	18.332	ug/l	
47) Methyl methacrylate	6.965	69	171205	20.044	ug/l	99
48) Ethyl methacrylate	8.332	69	155721	10.220	ug/l	97
49) Toluene	7.959	92	451765	11.839	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	191619	12.164	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	248290	11.735	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	139398	10.633	ug/l	98
53) 1,3-Dichloropropane	8.570	76	246330	10.921	ug/l	99
54) 2-Hexanone	8.685	43	415835	54.489	ug/l	100
55) Dibromochloromethane	8.801	129	147613	10.914	ug/l	99
56) 1,2-Dibromoethane	8.917	107	114510	10.775	ug/l	99
58) Tetrachloroethene	8.544	164	166740	10.348	ug/l	97
59) Chlorobenzene	9.441	112	456348	11.170	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	155870	10.600	ug/l	99
61) Pentachloroethane	11.418	117	125558	10.480	ug/l	100
62) Hexachloroethane	12.466	117	117870	10.940	ug/l	97
63) Ethyl Benzene	9.563	91	803882	12.274	ug/l	100
64) m/p-Xylenes	9.685	106	646995	20.861	ug/l	96
65) o-Xylene	10.094	106	301463	12.116	ug/l	100
66) Styrene	10.106	104	519653	10.429	ug/l	99
67) Bromoform	10.283	173	78172	10.577	ug/l	100
69) Isopropylbenzene	10.476	105	697922	12.108	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	175170	10.446	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	132956m	9.708	ug/l	
72) Bromobenzene	10.775	156	180433	11.151	ug/l	85
73) n-propylbenzene	10.897	120	214822	10.268	ug/l	99
74) 2-Chlorotoluene	10.978	126	188995	11.816	ug/l	94
75) 1,3,5-Trimethylbenzene	11.077	105	721081	10.489	ug/l	100
76) 4-Chlorotoluene	11.090	126	193438	11.546	ug/l	88
77) tert-Butylbenzene	11.412	119	634583	11.982	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	731031	10.463	ug/l	100
79) sec-Butylbenzene	11.634	105	912528	12.165	ug/l	100
80) Nitrobenzene	13.203	77	36651	46.523	ug/l	97
81) p-Isopropyltoluene	11.785	119	746437	10.335	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	369781	11.032	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	381773	10.978	ug/l	99
84) n-Butylbenzene	12.200	91	746455	12.157	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	355596	11.085	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	25805	11.194	ug/l	97
87) 1,2,4-Trichlorobenzene	13.833	180	199472	11.153	ug/l	99
88) Hexachlorobutadiene	14.013	225	137762	10.864	ug/l	98
89) Naphthalene	14.081	128	343003	9.319	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	200460	11.272	ug/l	99

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

