

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063436.D
 Acq On : 24 Jun 2025 13:49
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 06:25:11 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	54903	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	21040	1.044	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	19922	0.984	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	198122	9.395	ug/l	99
3) Chloromethane	1.518	50	212552	7.651	ug/l	100
4) Vinyl Chloride	1.595	62	182792	7.684	ug/l	100
5) Bromomethane	1.843	94	98456	8.639	ug/l	99
6) Chloroethane	1.923	64	99310	7.049	ug/l	100
7) Trichlorofluoromethane	2.126	101	229257	8.452	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	140240	9.705	ug/l	98
9) 1,1-Dichloroethene	2.563	96	139413	9.670	ug/l	99
10) Iodomethane	2.705	142	117087	10.062	ug/l	98
11) Allyl Chloride	2.907	41	251004	9.775	ug/l	96
12) Acrylonitrile	3.306	53	79389	19.060	ug/l	94
13) Acetone	2.618	43	214517	50.382	ug/l	99
14) Carbon Disulfide	2.776	76	477379	9.496	ug/l	99
15) Methylene Chloride	3.026	84	169265	9.263	ug/l	99
16) trans-1,2-Dichloroethene	3.332	96	157374	9.702	ug/l	97
17) 1,1-Dichloroethane	3.846	63	333750	9.799	ug/l	100
18) 2-Butanone	4.714	43	294181	50.609	ug/l	99
19) Cyclohexane	5.357	56	258196	10.020	ug/l	99
20) Methylcyclohexane	6.746	83	252203	10.542	ug/l	98
21) 2,2-Dichloropropane	4.640	77	245644	10.147	ug/l	98
22) cis-1,2-Dichloroethene	4.647	96	173471	9.798	ug/l	96
23) Diethyl Ether	2.367	59	106507	8.188	ug/l	92
24) tert-Butyl Alcohol	3.197	59	132522	96.712	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	390527	9.960	ug/l	98
26) Bromochloromethane	4.952	128	65861	9.557	ug/l	100
27) Chloroform	5.068	83	307128	9.619	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	257995	9.965	ug/l	99
29) 1,1-Dichloropropene	5.502	75	238772	10.096	ug/l	98
30) Carbon Tetrachloride	5.499	117	210482	10.179	ug/l	99
31) Isopropyl Ether	3.994	45	529620	9.954	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	442264	9.807	ug/l	99
33) Tert-Amyl methyl ether	5.943	73	335701	10.399	ug/l	98
34) Propionitrile	4.775	54	79233	47.122	ug/l	99
35) Benzene	5.756	78	722270	10.095	ug/l	100
36) 1,2-Dichloroethane	5.782	62	200712	9.597	ug/l	99
37) Trichloroethene	6.528	130	168187	9.948	ug/l	98
38) 1,2-Dichloropropane	6.782	63	206610	10.456	ug/l	99
39) Methacrylonitrile	4.972	41	63783	9.118	ug/l	98
40) Methyl acrylate	4.849	55	97544	9.931	ug/l	99
41) Tetrahydrofuran	5.062	42	63896	16.978	ug/l	96
42) 1-Chlorobutane	5.438	56	339873	10.130	ug/l	96
43) Dibromomethane	6.907	93	91966	9.964	ug/l	98
44) Bromodichloromethane	7.097	83	220899	9.825	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	513834	51.858	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	49933m	15.331	ug/l	
47) Methyl methacrylate	6.965	69	163101	18.620	ug/l	98
48) Ethyl methacrylate	8.332	69	144181	9.330	ug/l	99
49) Toluene	7.962	92	433951	11.048	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	186134	11.480	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	239891	11.015	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	132966	9.854	ug/l	99
53) 1,3-Dichloropropane	8.566	76	232364	10.009	ug/l	99
54) 2-Hexanone	8.685	43	365366	47.525	ug/l	100
55) Dibromochloromethane	8.801	129	142643	10.246	ug/l	100
56) 1,2-Dibromoethane	8.917	107	106677	9.752	ug/l	100
58) Tetrachloroethene	8.544	164	162328	9.787	ug/l	98
59) Chlorobenzene	9.441	112	434426	10.331	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	148773	9.829	ug/l	97
61) Pentachloroethane	11.418	117	120415	9.765	ug/l	98
62) Hexachloroethane	12.466	117	113041	10.193	ug/l	97
63) Ethyl Benzene	9.563	91	758576	11.253	ug/l	99
64) m/p-Xylenes	9.685	106	611869	19.232	ug/l	100
65) o-Xylene	10.094	106	287242	11.216	ug/l	99
66) Styrene	10.106	104	495252	9.687	ug/l	99
67) Bromoform	10.283	173	76279	10.028	ug/l	99
69) Isopropylbenzene	10.476	105	665214	11.212	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	169613	9.827	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	143242m	10.161	ug/l	
72) Bromobenzene	10.775	156	175153	10.517	ug/l	98
73) n-propylbenzene	10.897	120	203790	9.492	ug/l	100
74) 2-Chlorotoluene	10.978	126	182463	11.084	ug/l	96
75) 1,3,5-Trimethylbenzene	11.077	105	684744	9.706	ug/l	100
76) 4-Chlorotoluene	11.090	126	198305	11.500	ug/l	100
77) tert-Butylbenzene	11.412	119	608219	11.157	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	691015	9.643	ug/l	98
79) sec-Butylbenzene	11.634	105	874135	11.322	ug/l	100
80) Nitrobenzene	13.203	77	32843	40.704	ug/l #	99
81) p-Isopropyltoluene	11.785	119	716018	9.660	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	353914	10.258	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	367264	10.260	ug/l	98
84) n-Butylbenzene	12.200	91	703738	11.135	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	340272	10.306	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	23218	9.785	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	186907	10.153	ug/l	100
88) Hexachlorobutadiene	14.013	225	127437	9.764	ug/l	100
89) Naphthalene	14.077	128	311501	8.326	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	188366	10.291	ug/l	99

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

