

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063447.D
 Acq On : 24 Jun 2025 19:57
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 21 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 06:29:47 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	6.103	96	49772	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	20384	1.115	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	18981	1.034	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	197327	10.322	ug/l	99
3) Chloromethane	1.518	50	196946	7.820	ug/l	99
4) Vinyl Chloride	1.596	62	177933	8.251	ug/l	99
5) Bromomethane	1.840	94	99082	9.590	ug/l	99
6) Chloroethane	1.920	64	92755	7.262	ug/l	100
7) Trichlorofluoromethane	2.126	101	221548	9.009	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	112327	8.575	ug/l	92
9) 1,1-Dichloroethene	2.567	96	115202	8.814	ug/l	87
10) Iodomethane	2.705	142	116466	11.040	ug/l	100
11) Allyl Chloride	2.907	41	143344	6.158	ug/l	96
12) Acrylonitrile	3.306	53	58201	15.414	ug/l	93
13) Acetone	2.621	43	90034	26.935	ug/l	98
14) Carbon Disulfide	2.776	76	350729	7.696	ug/l	100
15) Methylene Chloride	3.026	84	131327	7.928	ug/l	86
16) trans-1,2-Dichloroethene	3.332	96	135512	9.216	ug/l	93
17) 1,1-Dichloroethane	3.846	63	317291	10.276	ug/l	100
18) 2-Butanone	4.714	43	226607	43.003	ug/l	98
19) Cyclohexane	5.361	56	246756	10.564	ug/l	99
20) Methylcyclohexane	6.746	83	240214	11.076	ug/l	98
21) 2,2-Dichloropropane	4.644	77	185143	8.437	ug/l	98
22) cis-1,2-Dichloroethene	4.644	96	165322	10.300	ug/l	92
23) Diethyl Ether	2.370	59	85138	7.220	ug/l	89
24) tert-Butyl Alcohol	3.197	59	98669	79.430	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	347374	9.773	ug/l	97
26) Bromochloromethane	4.956	128	66171	10.592	ug/l	92
27) Chloroform	5.068	83	301128	10.403	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	252185	10.745	ug/l	99
29) 1,1-Dichloropropene	5.502	75	232879	10.862	ug/l	99
30) Carbon Tetrachloride	5.499	117	204916	10.931	ug/l	97
31) Isopropyl Ether	3.994	45	477051	9.890	ug/l	98
32) Ethyl-t-butyl ether	4.505	59	419109	10.252	ug/l	98
33) Tert-Amyl methyl ether	5.946	73	328924	11.240	ug/l	98
34) Propionitrile	4.776	54	75125	49.284	ug/l	# 98
35) Benzene	5.756	78	715684	11.035	ug/l	100
36) 1,2-Dichloroethane	5.782	62	197138	10.398	ug/l	99
37) Trichloroethene	6.528	130	161784	10.556	ug/l	97
38) 1,2-Dichloropropane	6.782	63	202491	11.304	ug/l	100
39) Methacrylonitrile	4.972	41	57907	9.131	ug/l	97
40) Methyl acrylate	4.846	55	92303	10.366	ug/l	99
41) Tetrahydrofuran	5.062	42	58921	17.270	ug/l	92
42) 1-Chlorobutane	5.438	56	330912	10.879	ug/l	96
43) Dibromomethane	6.907	93	89450	10.690	ug/l	99
44) Bromodichloromethane	7.097	83	217531	10.672	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	506690	56.409	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	50206m	17.004	ug/l	
47) Methyl methacrylate	6.965	69	162933	20.425	ug/l	99
48) Ethyl methacrylate	8.335	69	144193	10.153	ug/l	96
49) Toluene	7.962	92	426940	11.990	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	174490	11.871	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	223991	11.345	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	132600	10.840	ug/l	97
53) 1,3-Dichloropropane	8.566	76	231739	11.011	ug/l	99
54) 2-Hexanone	8.685	43	333045	47.752	ug/l	99
55) Dibromochloromethane	8.801	129	140526	11.135	ug/l	100
56) 1,2-Dibromoethane	8.917	107	104349	10.523	ug/l	100
58) Tetrachloroethene	8.544	164	162882	10.833	ug/l	99
59) Chlorobenzene	9.441	112	425901	11.172	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.524	131	148268	10.806	ug/l	99
61) Pentachloroethane	11.418	117	113652	10.167	ug/l	100
62) Hexachloroethane	12.467	117	108709	10.813	ug/l	96
63) Ethyl Benzene	9.563	91	747438	12.230	ug/l	100
64) m/p-Xylenes	9.685	106	594232	20.546	ug/l	99
65) o-Xylene	10.094	106	277572	11.956	ug/l	98
66) Styrene	10.106	104	484009	10.411	ug/l	100
67) Bromoform	10.283	173	75312	10.921	ug/l	99
69) Isopropylbenzene	10.476	105	646191	12.014	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	168535	10.771	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	135301m	10.588	ug/l	
72) Bromobenzene	10.775	156	167846	11.117	ug/l	85
73) n-propylbenzene	10.897	120	197702	10.132	ug/l	100
74) 2-Chlorotoluene	10.978	126	178182	11.939	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	668962	10.431	ug/l	99
76) 4-Chlorotoluene	11.090	126	180699	11.559	ug/l	89
77) tert-Butylbenzene	11.412	119	581988	11.777	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	666167	10.228	ug/l	99
79) sec-Butylbenzene	11.634	105	845796	12.084	ug/l	99
80) Nitrobenzene	13.203	77	33148	45.141	ug/l #	97
81) p-Isopropyltoluene	11.785	119	685091	10.172	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	344887	11.027	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	355428	10.953	ug/l	99
84) n-Butylbenzene	12.200	91	667287	11.646	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	331003	11.059	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	24244	11.271	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	179188	10.737	ug/l	99
88) Hexachlorobutadiene	14.013	225	121434	10.263	ug/l	100
89) Naphthalene	14.081	128	312238	9.113	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	182533	11.000	ug/l	99

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

