

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063441.D
 Acq On : 24 Jun 2025 16:53
 Operator : MD/SY
 Sample : VU0624WBSD02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 06:28:52 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	46073	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17902	1.058	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18449	1.086	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	38170	2.157	ug/l	98
3) Chloromethane	1.518	50	48186	2.067	ug/l	99
4) Vinyl Chloride	1.599	62	43641	2.186	ug/l	99
5) Bromomethane	1.846	94	24178	2.528	ug/l	94
6) Chloroethane	1.924	64	25832	2.185	ug/l	95
7) Trichlorofluoromethane	2.126	101	49683	2.183	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	25605	2.112	ug/l	96
9) 1,1-Dichloroethene	2.567	96	26025	2.151	ug/l	98
10) Iodomethane	2.708	142	16499	1.690	ug/l	97
11) Allyl Chloride	2.907	41	44664	2.073	ug/l	98
12) Acrylonitrile	3.309	53	14154	4.049	ug/l	94
13) Acetone	2.621	43	25540	8.313	ug/l	99
14) Carbon Disulfide	2.776	76	86481	2.050	ug/l	100
15) Methylene Chloride	3.030	84	31207	2.035	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	28667	2.106	ug/l	98
17) 1,1-Dichloroethane	3.846	63	59660	2.087	ug/l	98
18) 2-Butanone	4.721	43	43614	8.941	ug/l	96
19) Cyclohexane	5.357	56	43595	2.016	ug/l	98
20) Methylcyclohexane	6.746	83	34753	1.731	ug/l	93
21) 2,2-Dichloropropane	4.640	77	40262	1.982	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	30761	2.070	ug/l	96
23) Diethyl Ether	2.370	59	23219	2.127	ug/l	97
24) tert-Butyl Alcohol	3.203	59	24694	21.475	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	68577	2.084	ug/l	98
26) Bromochloromethane	4.956	128	11883	2.055	ug/l	98
27) Chloroform	5.071	83	56832	2.121	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	45089	2.075	ug/l	99
29) 1,1-Dichloropropene	5.505	75	38431	1.936	ug/l	97
30) Carbon Tetrachloride	5.499	117	35068	2.021	ug/l	98
31) Isopropyl Ether	3.994	45	90484	2.026	ug/l	98
32) Ethyl-t-butyl ether	4.505	59	74749	1.975	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	51819	1.913	ug/l	98
34) Propionitrile	4.782	54	15342	10.873	ug/l #	91
35) Benzene	5.756	78	123649	2.060	ug/l	99
36) 1,2-Dichloroethane	5.785	62	36602	2.086	ug/l	100
37) Trichloroethene	6.531	130	28500	2.009	ug/l	99
38) 1,2-Dichloropropane	6.782	63	35271	2.127	ug/l	99
39) Methacrylonitrile	4.972	41	10380	1.768	ug/l #	88
40) Methyl acrylate	4.853	55	17072	2.071	ug/l #	97
41) Tetrahydrofuran	5.065	42	12893	4.082	ug/l	98
42) 1-Chlorobutane	5.438	56	50714	1.801	ug/l	99
43) Dibromomethane	6.910	93	15607	2.015	ug/l	98
44) Bromodichloromethane	7.100	83	39158	2.075	ug/l	98

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45) 4-Methyl-2-Pentanone	7.798	43	77486	9.319	ug/l	97
46) t-1,4-Dichloro-2-butene	10.823	75	13950m	5.104	ug/l	
47) Methyl methacrylate	6.968	69	22170	3.781	ug/l	97
48) Ethyl methacrylate	8.335	69	21007	2.042	ug/l	98
49) Toluene	7.962	92	63985	1.941	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	26506	1.948	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	36277	1.985	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	24079	2.126	ug/l	96
53) 1,3-Dichloropropane	8.570	76	39288	2.017	ug/l	97
54) 2-Hexanone	8.692	43	52108	9.877	ug/l	92
55) Dibromochloromethane	8.801	129	23656	2.025	ug/l	99
56) 1,2-Dibromoethane	8.920	107	19461	2.120	ug/l	100
58) Tetrachloroethene	8.544	164	26751	1.922	ug/l	97
59) Chlorobenzene	9.441	112	71896	2.037	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	25398	2.000	ug/l	97
61) Pentachloroethane	11.418	117	22573	2.181	ug/l	96
62) Hexachloroethane	12.467	117	19661	2.113	ug/l	94
63) Ethyl Benzene	9.563	91	108496	1.918	ug/l	99
64) m/p-Xylenes	9.688	106	84790	3.833	ug/l	98
65) o-Xylene	10.094	106	40277	1.874	ug/l	97
66) Styrene	10.110	104	66749	1.902	ug/l	99
67) Bromoform	10.283	173	12990	2.035	ug/l	97
69) Isopropylbenzene	10.476	105	98298	1.974	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	30948	2.137	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	25984m	2.197	ug/l	
72) Bromobenzene	10.778	156	29124	2.084	ug/l	88
73) n-propylbenzene	10.897	120	28415	1.882	ug/l	95
74) 2-Chlorotoluene	10.981	126	28970	2.097	ug/l	93
75) 1,3,5-Trimethylbenzene	11.081	105	95596	1.929	ug/l	98
76) 4-Chlorotoluene	11.090	126	30293	2.093	ug/l	91
77) tert-Butylbenzene	11.412	119	92424	2.020	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	93509	1.906	ug/l	99
79) sec-Butylbenzene	11.634	105	127466	1.967	ug/l	100
80) Nitrobenzene	13.216	77	6741m	11.126	ug/l	
81) p-Isopropyltoluene	11.785	119	99536	1.944	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	61202	2.114	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	62331	2.075	ug/l	95
84) n-Butylbenzene	12.203	91	103286	1.947	ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	58707	2.119	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	4434	2.227	ug/l	98
87) 1,2,4-Trichlorobenzene	13.836	180	29959	1.939	ug/l	97
88) Hexachlorobutadiene	14.013	225	22477	2.052	ug/l	100
89) Naphthalene	14.084	128	49965	2.304	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	29748	1.937	ug/l	98

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

