

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063445.D
 Acq On : 24 Jun 2025 18:56
 Operator : MD/SY
 Sample : Q2126-07
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Jun 25 03:13:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:09:53 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.103	96	48351	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14024	0.790	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	15125	0.848	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	6123	0.330	ug/l	100
3) Chloromethane	1.518	50	8056	0.329	ug/l	97
4) Vinyl Chloride	1.599	62	5868	0.280	ug/l	93
5) Bromomethane	1.846	94	4138	0.412	ug/l	90
6) Chloroethane	1.924	64	3459	0.279	ug/l	95
7) Trichlorofluoromethane	2.126	101	7507	0.314	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	4021	0.316	ug/l #	87
9) 1,1-Dichloroethene	2.570	96	4018	0.316	ug/l	85
10) Iodomethane	2.708	142	2420	0.236	ug/l	99
11) Allyl Chloride	2.904	41	7687	0.340	ug/l	99
12) Acrylonitrile	3.306	53	2496	0.680	ug/l #	84
13) Acetone	2.621	43	4102	1.115	ug/l	98
14) Carbon Disulfide	2.776	76	15825	0.357	ug/l	97
15) Methylene Chloride	3.030	84	6068	0.377	ug/l	94
16) trans-1,2-Dichloroethene	3.332	96	5232	0.366	ug/l #	89
17) 1,1-Dichloroethane	3.846	63	10646	0.355	ug/l	96
18) 2-Butanone	4.718	43	8473m	1.655	ug/l	
19) Cyclohexane	5.357	56	7746	0.341	ug/l	95
20) Methylcyclohexane	6.743	83	6430	0.305	ug/l	91
21) 2,2-Dichloropropane	4.640	77	7439	0.349	ug/l	91
22) cis-1,2-Dichloroethene	4.650	96	5524	0.354	ug/l	93
23) Diethyl Ether	2.370	59	2880	0.251	ug/l	92
24) tert-Butyl Alcohol	3.203	59	4939	4.093	ug/l #	85
25) Methyl tert-Butyl Ether	3.364	73	12277	0.356	ug/l #	90
26) Bromochloromethane	4.962	128	2057	0.339	ug/l	91
27) Chloroform	5.071	83	10622	0.378	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	8230	0.361	ug/l	99
29) 1,1-Dichloropropene	5.502	75	7005	0.336	ug/l	96
30) Carbon Tetrachloride	5.499	117	6304	0.346	ug/l	94
31) Isopropyl Ether	3.994	45	17671m	0.377	ug/l	
32) Ethyl-t-butyl ether	4.509	59	13720m	0.345	ug/l	
33) Tert-Amyl methyl ether	5.949	73	9214	0.324	ug/l	98
34) Propionitrile	4.785	54	2809	1.897	ug/l #	88
35) Benzene	5.759	78	21289	0.338	ug/l	95
36) 1,2-Dichloroethane	5.785	62	6024	0.327	ug/l #	94
37) Trichloroethene	6.531	130	5255	0.353	ug/l	97
38) 1,2-Dichloropropane	6.785	63	6234	0.358	ug/l	98
39) Methacrylonitrile	4.975	41	2000	0.325	ug/l #	90
40) Methyl acrylate	4.856	55	3347m	0.387	ug/l	
41) Tetrahydrofuran	5.065	42	2661	0.803	ug/l	89
42) 1-Chlorobutane	5.441	56	9648m	0.327	ug/l	
43) Dibromomethane	6.917	93	2494	0.307	ug/l	89
44) Bromodichloromethane	7.097	83	6991	0.353	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.804	43	12450	1.427	ug/l	96
46) t-1,4-Dichloro-2-butene	10.823	75	2659m	0.927	ug/l	
47) Methyl methacrylate	6.981	69	3370	0.535	ug/l #	92
48) Ethyl methacrylate	8.341	69	3179	0.282	ug/l	95
49) Toluene	7.962	92	9964	0.288	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	3953	0.277	ug/l	95
51) cis-1,3-Dichloropropene	7.608	75	5625	0.293	ug/l	93
52) 1,1,2-Trichloroethane	8.396	97	4218	0.355	ug/l	95
53) 1,3-Dichloropropane	8.573	76	6631	0.324	ug/l	96
54) 2-Hexanone	8.698	43	8091	1.382	ug/l	92
55) Dibromochloromethane	8.801	129	3954	0.323	ug/l	92
56) 1,2-Dibromoethane	8.917	107	3099	0.322	ug/l	99
58) Tetrachloroethene	8.544	164	4611	0.316	ug/l	95
59) Chlorobenzene	9.444	112	11071	0.299	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.528	131	4575	0.343	ug/l	99
61) Pentachloroethane	11.418	117	3838	0.353	ug/l	91
62) Hexachloroethane	12.467	117	3383	0.346	ug/l	92
63) Ethyl Benzene	9.566	91	16354	0.275	ug/l	95
64) m/p-Xylenes	9.688	106	12297	0.531	ug/l	94
65) o-Xylene	10.094	106	6197	0.275	ug/l	89
66) Styrene	10.113	104	9357	0.255	ug/l	98
67) Bromoform	10.283	173	2324	0.347	ug/l #	86
69) Isopropylbenzene	10.476	105	14005	0.268	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	5398	0.355	ug/l #	98
71) 1,2,3-Trichloropropane	10.817	75	4420m	0.356	ug/l	
72) Bromobenzene	10.778	156	4137	0.282	ug/l	91
73) n-propylbenzene	10.897	120	3948	0.249	ug/l	91
74) 2-Chlorotoluene	10.981	126	3758	0.259	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	12251	0.241	ug/l	99
76) 4-Chlorotoluene	11.097	126	3724	0.245	ug/l	99
77) tert-Butylbenzene	11.412	119	12992	0.271	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	12044	0.235	ug/l	99
79) sec-Butylbenzene	11.637	105	16967	0.250	ug/l	97
80) Nitrobenzene	13.245	77	1202m	1.736	ug/l	
81) p-Isopropyltoluene	11.788	119	13074	0.246	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	9986	0.329	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	9392m	0.298	ug/l	
84) n-Butylbenzene	12.206	91	14370	0.258	ug/l	96
85) 1,2-Dichlorobenzene	12.209	146	9189	0.316	ug/l	94
86) 1,2-Dibromo-3-Chloropr...	12.994	75	609	0.291	ug/l	94
87) 1,2,4-Trichlorobenzene	13.846	180	5326	0.329	ug/l	100
88) Hexachlorobutadiene	14.010	225	3851	0.335	ug/l	94
89) Naphthalene	14.093	128	9893	0.366	ug/l #	96
90) 1,2,3-Trichlorobenzene	14.328	180	5325	0.330	ug/l	96

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

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