

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062525\
 Data File : VU063456.D
 Acq On : 25 Jun 2025 13:33
 Operator : MD/SY
 Sample : Q2126-09
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Quant Time: Jun 26 01:56:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 26 01:53:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2025
 Supervised By :Semsettin Yesilyurt 06/26/2025

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

Internal Standards						
1) Fluorobenzene	6.101	96	47117	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13186	0.762	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14709	0.847	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	6466	0.357	ug/l	97
3) Chloromethane	1.519	50	8404	0.353	ug/l	98
4) Vinyl Chloride	1.599	62	7639	0.374	ug/l	94
5) Bromomethane	1.847	94	5020	0.513	ug/l	96
6) Chloroethane	1.927	64	4335	0.359	ug/l	# 83
7) Trichlorofluoromethane	2.130	101	8778	0.377	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.564	101	4442	0.358	ug/l	96
9) 1,1-Dichloroethene	2.567	96	4728	0.382	ug/l	92
10) Iodomethane	2.708	142	3052	0.306	ug/l	100
11) Allyl Chloride	2.911	41	7000	0.318	ug/l	89
12) Acrylonitrile	3.306	53	2714	0.759	ug/l	# 94
13) Acetone	2.622	43	4933	1.376	ug/l	100
14) Carbon Disulfide	2.776	76	14824	0.344	ug/l	100
15) Methylene Chloride	3.030	84	8581	0.547	ug/l	95
16) trans-1,2-Dichloroethene	3.335	96	4736	0.340	ug/l	96
17) 1,1-Dichloroethane	3.850	63	10162	0.348	ug/l	98
18) 2-Butanone	4.721	43	7005m	1.404	ug/l	
19) Cyclohexane	5.361	56	7757	0.351	ug/l	97
20) Methylcyclohexane	6.744	83	6179	0.301	ug/l	94
21) 2,2-Dichloropropane	4.641	77	7103	0.342	ug/l	96
22) cis-1,2-Dichloroethene	4.647	96	5366	0.353	ug/l	96
23) Diethyl Ether	2.374	59	3977	0.356	ug/l	97
24) tert-Butyl Alcohol	3.207	59	4435m	3.771	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	11552	0.343	ug/l	96
26) Bromochloromethane	4.959	128	2207	0.373	ug/l	85
27) Chloroform	5.072	83	10039	0.366	ug/l	94
28) 1,1,1-Trichloroethane	5.293	97	7845	0.353	ug/l	97
29) 1,1-Dichloropropene	5.506	75	7529	0.371	ug/l	95
30) Carbon Tetrachloride	5.496	117	5769	0.325	ug/l	97
31) Isopropyl Ether	3.994	45	15065	0.330	ug/l	92
32) Ethyl-t-butyl ether	4.506	59	12718	0.329	ug/l	96
33) Tert-Amyl methyl ether	5.949	73	9161	0.331	ug/l	# 96
34) Propionitrile	4.785	54	2514	1.742	ug/l	# 86
35) Benzene	5.757	78	21586	0.352	ug/l	99
36) 1,2-Dichloroethane	5.785	62	6249	0.348	ug/l	97
37) Trichloroethene	6.535	130	4986	0.344	ug/l	94
38) 1,2-Dichloropropane	6.785	63	5714	0.337	ug/l	98
39) Methacrylonitrile	4.972	41	2064m	0.344	ug/l	
40) Methyl acrylate	4.856	55	3264	0.387	ug/l	# 91
41) Tetrahydrofuran	5.068	42	2427	0.751	ug/l	# 90
42) 1-Chlorobutane	5.438	56	9645m	0.335	ug/l	
43) Dibromomethane	6.911	93	2671	0.337	ug/l	91
44) Bromodichloromethane	7.100	83	6682	0.346	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.808	43	11408	1.342	ug/l	95
46) t-1,4-Dichloro-2-butene	10.827	75	2029m	0.726	ug/l	
47) Methyl methacrylate	6.978	69	3261	0.531	ug/l	89
48) Ethyl methacrylate	8.342	69	2991	0.272	ug/l	98
49) Toluene	7.962	92	9005	0.267	ug/l	91
50) t-1,3-Dichloropropene	8.210	75	4063	0.292	ug/l	92
51) cis-1,3-Dichloropropene	7.605	75	5435	0.291	ug/l	94
52) 1,1,2-Trichloroethane	8.396	97	4038	0.349	ug/l	94
53) 1,3-Dichloropropane	8.573	76	6157	0.309	ug/l	95
54) 2-Hexanone	8.698	43	7963	1.396	ug/l	88
55) Dibromochloromethane	8.805	129	4013	0.336	ug/l	96
56) 1,2-Dibromoethane	8.920	107	3201	0.341	ug/l	95
58) Tetrachloroethene	8.541	164	4653	0.327	ug/l	86
59) Chlorobenzene	9.444	112	10335	0.286	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	4079	0.314	ug/l	91
61) Pentachloroethane	11.422	117	3399	0.321	ug/l	93
62) Hexachloroethane	12.467	117	3113	0.327	ug/l	91
63) Ethyl Benzene	9.567	91	15560	0.269	ug/l	100
64) m/p-Xylenes	9.689	106	11801	0.523	ug/l	94
65) o-Xylene	10.094	106	5633	0.256	ug/l	91
66) Styrene	10.116	104	8439	0.236	ug/l	98
67) Bromoform	10.284	173	1996	0.306	ug/l #	93
69) Isopropylbenzene	10.477	105	12744	0.250	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.776	83	4853	0.328	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	3844m	0.318	ug/l	
72) Bromobenzene	10.779	156	4070	0.285	ug/l	86
73) n-propylbenzene	10.898	120	4057	0.263	ug/l	90
74) 2-Chlorotoluene	10.981	126	3727	0.264	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	11211	0.226	ug/l	97
76) 4-Chlorotoluene	11.097	126	3709	0.251	ug/l	94
77) tert-Butylbenzene	11.412	119	12515	0.268	ug/l	96
78) 1,2,4-Trimethylbenzene	11.464	105	11222	0.225	ug/l	99
79) sec-Butylbenzene	11.637	105	15383	0.232	ug/l	100
80) Nitrobenzene	13.229	77	1282m	1.900	ug/l	
81) p-Isopropyltoluene	11.788	119	12272	0.237	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	9104	0.307	ug/l	93
83) 1,4-Dichlorobenzene	11.833	146	9800m	0.319	ug/l	
84) n-Butylbenzene	12.206	91	13874	0.256	ug/l	92
85) 1,2-Dichlorobenzene	12.206	146	8572	0.303	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	626	0.307	ug/l	99
87) 1,2,4-Trichlorobenzene	13.843	180	4976	0.315	ug/l	95
88) Hexachlorobutadiene	14.013	225	3780	0.337	ug/l	94
89) Naphthalene	14.094	128	9238	0.351	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	4747	0.302	ug/l	96

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

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