

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071725\
 Data File : VU063528.D
 Acq On : 17 Jul 2025 16:49
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 05:07:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 18 05:06:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.097	96	21309	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8050	0.998	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	7934	1.063	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	5454	0.868	ug/l	94
3) Chloromethane	1.518	50	5709	0.977	ug/l	100
4) Vinyl Chloride	1.599	62	6933	0.932	ug/l	99
5) Bromomethane	1.846	94	6074	1.083	ug/l	100
6) Chloroethane	1.924	64	4128	0.919	ug/l	94
7) Trichlorofluoromethane	2.129	101	10526	0.986	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	5254	0.941	ug/l	98
9) 1,1-Dichloroethene	2.567	96	5210	0.942	ug/l	100
10) Iodomethane	2.708	142	2871	0.430	ug/l	94
11) Allyl Chloride	2.911	41	6784	0.849	ug/l #	79
12) Acrylonitrile	3.306	53	2689	1.943	ug/l	93
13) Acetone	2.621	43	5008	4.517	ug/l	92
14) Carbon Disulfide	2.776	76	14016	0.784	ug/l	99
15) Methylene Chloride	3.030	84	6777	1.040	ug/l	94
16) trans-1,2-Dichloroethene	3.335	96	5847	0.931	ug/l	98
17) 1,1-Dichloroethane	3.849	63	11630	0.999	ug/l	98
18) 2-Butanone	4.718	43	7689	4.479	ug/l	98
19) Cyclohexane	5.354	56	9234	0.936	ug/l	100
20) Methylcyclohexane	6.740	83	7743m	0.808	ug/l	
21) 2,2-Dichloropropane	4.647	77	8389	0.846	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	6524	0.957	ug/l	98
23) Diethyl Ether	2.370	59	4034	0.957	ug/l #	90
24) tert-Butyl Alcohol	3.200	59	5132	10.085	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	14038	0.972	ug/l #	87
26) Bromochloromethane	4.952	128	2647	0.930	ug/l	91
27) Chloroform	5.071	83	11684	0.983	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	9333	0.925	ug/l	99
29) 1,1-Dichloropropene	5.502	75	9013	0.965	ug/l	95
30) Carbon Tetrachloride	5.499	117	7166	0.883	ug/l	87
31) Isopropyl Ether	3.994	45	17255	0.982	ug/l	99
32) Ethyl-t-butyl ether	4.509	59	16439	1.011	ug/l	98
33) Tert-Amyl methyl ether	5.943	73	14276	1.011	ug/l	100
34) Propionitrile	4.782	54	2593m	4.957	ug/l	
35) Benzene	5.753	78	24952	0.994	ug/l	99
36) 1,2-Dichloroethane	5.779	62	8309	1.065	ug/l	96
37) Trichloroethene	6.525	130	5075	0.792	ug/l	100
38) 1,2-Dichloropropane	6.782	63	4733	0.806	ug/l	98
39) Methacrylonitrile	4.975	41	1933	0.831	ug/l #	71
40) Methyl acrylate	4.853	55	2832	0.833	ug/l #	87
41) Tetrahydrofuran	5.062	42	2799	2.288	ug/l #	89
42) 1-Chlorobutane	5.438	56	11380	0.916	ug/l	97
43) Dibromomethane	6.910	93	2672	0.878	ug/l #	83
44) Bromodichloromethane	7.097	83	5061	0.737	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.801	43	13359	4.259	ug/l	98
46) t-1,4-Dichloro-2-butene	10.823	75	2046m	1.738	ug/l	
47) Methyl methacrylate	6.968	69	4076	1.595	ug/l	97
48) Ethyl methacrylate	8.338	69	4025	0.825	ug/l	98
49) Toluene	7.962	92	11337	0.827	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	3515	0.653	ug/l	94
51) cis-1,3-Dichloropropene	7.602	75	4886	0.676	ug/l #	88
52) 1,1,2-Trichloroethane	8.396	97	3542	0.864	ug/l	95
53) 1,3-Dichloropropane	8.573	76	6036	0.853	ug/l	98
54) 2-Hexanone	8.695	43	8315	3.991	ug/l	99
55) Dibromochloromethane	8.801	129	2873	0.663	ug/l	96
56) 1,2-Dibromoethane	8.920	107	3039	0.829	ug/l	98
58) Tetrachloroethene	8.541	164	4783	0.816	ug/l	98
59) Chlorobenzene	9.441	112	13681	0.869	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	3749	0.741	ug/l	99
61) Pentachloroethane	11.418	117	2708	0.757	ug/l	89
62) Hexachloroethane	12.467	117	2275	0.642	ug/l	95
63) Ethyl Benzene	9.563	91	23112	0.853	ug/l	99
64) m/p-Xylenes	9.688	106	17011	1.616	ug/l	98
65) o-Xylene	10.094	106	8001	0.791	ug/l	89
66) Styrene	10.113	104	13102	0.813	ug/l	98
67) Bromoform	10.287	173	1337	0.601	ug/l #	95
69) Isopropylbenzene	10.476	105	20196	0.826	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	4524	0.907	ug/l #	91
71) 1,2,3-Trichloropropane	10.817	75	3281m	0.810	ug/l	
72) Bromobenzene	10.775	156	5120	0.811	ug/l	78
73) n-propylbenzene	10.901	120	6774	0.920	ug/l	94
74) 2-Chlorotoluene	10.981	126	5466	0.840	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	18412	0.788	ug/l	99
76) 4-Chlorotoluene	11.094	126	5340	0.808	ug/l	90
77) tert-Butylbenzene	11.412	119	18378	0.823	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	18250	0.787	ug/l	97
79) sec-Butylbenzene	11.637	105	24871	0.826	ug/l	97
80) Nitrobenzene	13.225	77	62	0.709	ug/l #	44
81) p-Isopropyltoluene	11.785	119	19522	0.777	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	10465	0.829	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	10927	0.864	ug/l	98
84) n-Butylbenzene	12.203	91	18903	0.811	ug/l	96
85) 1,2-Dichlorobenzene	12.206	146	9867	0.832	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.987	75	461	0.650	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.836	180	5461	0.740	ug/l	97
88) Hexachlorobutadiene	14.013	225	3214	0.767	ug/l	96
89) Naphthalene	14.090	128	10211	0.772	ug/l #	97
90) 1,2,3-Trichlorobenzene	14.328	180	5381	0.789	ug/l	95

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

