

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063543.D
 Acq On : 18 Jul 2025 18:26
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Quant Time: Jul 19 00:22:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Jul 19 00:21:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.097	96	22153	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	6153	0.734	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	5725	0.738	ug/l	0.00
Spiked Amount 1.000			Recovery	=	74.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	4691	0.718	ug/l	99
3) Chloromethane	1.518	50	5191	0.855	ug/l	96
4) Vinyl Chloride	1.599	62	6534	0.845	ug/l	96
5) Bromomethane	1.849	94	5983	1.026	ug/l	97
6) Chloroethane	1.927	64	4071	0.872	ug/l	100
7) Trichlorofluoromethane	2.129	101	9772	0.880	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	5221	0.900	ug/l	95
9) 1,1-Dichloroethene	2.570	96	4783	0.832	ug/l	93
10) Iodomethane	2.711	142	1831	0.264	ug/l	91
11) Allyl Chloride	2.907	41	6471	0.779	ug/l	85
12) Acrylonitrile	3.306	53	2797	1.944	ug/l	93
13) Acetone	2.621	43	4901	4.252	ug/l	96
14) Carbon Disulfide	2.779	76	11317	0.609	ug/l	100
15) Methylene Chloride	3.029	84	7273	1.074	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	5417	0.829	ug/l	92
17) 1,1-Dichloroethane	3.853	63	10611	0.876	ug/l	100
18) 2-Butanone	4.718	43	7540	4.225	ug/l	93
19) Cyclohexane	5.364	56	8798	0.858	ug/l	98
20) Methylcyclohexane	6.743	83	7157	0.718	ug/l	99
21) 2,2-Dichloropropane	4.644	77	7357	0.714	ug/l	99
22) cis-1,2-Dichloroethene	4.653	96	6326	0.892	ug/l	99
23) Diethyl Ether	2.370	59	3671	0.838	ug/l	91
24) tert-Butyl Alcohol	3.193	59	4705	8.893	ug/l	97
25) Methyl tert-Butyl Ether	3.364	73	12913	0.860	ug/l #	85
26) Bromochloromethane	4.955	128	2567	0.867	ug/l	98
27) Chloroform	5.071	83	11035	0.893	ug/l	96
28) 1,1,1-Trichloroethane	5.296	97	8878	0.847	ug/l	99
29) 1,1-Dichloropropene	5.505	75	8318	0.856	ug/l	98
30) Carbon Tetrachloride	5.499	117	6346	0.752	ug/l	98
31) Isopropyl Ether	3.994	45	16941	0.927	ug/l	91
32) Ethyl-t-butyl ether	4.502	59	15127	0.894	ug/l	100
33) Tert-Amyl methyl ether	5.943	73	13991	0.953	ug/l	99
34) Propionitrile	4.779	54	2548	4.686	ug/l #	79
35) Benzene	5.756	78	22898	0.877	ug/l	98
36) 1,2-Dichloroethane	5.782	62	7822	0.965	ug/l	98
37) Trichloroethene	6.528	130	4616	0.693	ug/l	92
38) 1,2-Dichloropropane	6.779	63	4463	0.731	ug/l	92
39) Methacrylonitrile	4.975	41	2446	1.012	ug/l #	68
40) Methyl acrylate	4.846	55	2808	0.795	ug/l #	73
41) Tetrahydrofuran	5.055	42	2785	2.190	ug/l #	82
42) 1-Chlorobutane	5.438	56	10500	0.813	ug/l	98
43) Dibromomethane	6.910	93	2283	0.722	ug/l	93
44) Bromodichloromethane	7.097	83	4298	0.602	ug/l	95

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45) 4-Methyl-2-Pentanone	7.801	43	12812	3.929	ug/l	96
46) t-1,4-Dichloro-2-butene	10.817	75	2252m	1.840	ug/l	
47) Methyl methacrylate	6.968	69	3957	1.489	ug/l #	91
48) Ethyl methacrylate	8.338	69	3510	0.692	ug/l	86
49) Toluene	7.962	92	10689	0.750	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	2998	0.536	ug/l	93
51) cis-1,3-Dichloropropene	7.602	75	4140	0.551	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	3279	0.770	ug/l	93
53) 1,3-Dichloropropane	8.569	76	5433	0.739	ug/l	99
54) 2-Hexanone	8.698	43	8266	3.816	ug/l	96
55) Dibromochloromethane	8.804	129	2343	0.520	ug/l	98
56) 1,2-Dibromoethane	8.917	107	2689	0.705	ug/l	97
58) Tetrachloroethene	8.540	164	4323	0.709	ug/l	93
59) Chlorobenzene	9.441	112	12175	0.744	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	3258	0.619	ug/l	95
61) Pentachloroethane	11.418	117	2402	0.646	ug/l #	79
62) Hexachloroethane	12.466	117	1994	0.541	ug/l	85
63) Ethyl Benzene	9.563	91	20445	0.726	ug/l	100
64) m/p-Xylenes	9.685	106	15865	1.449	ug/l	99
65) o-Xylene	10.093	106	7535	0.716	ug/l	94
66) Styrene	10.110	104	11809	0.704	ug/l	96
67) Bromoform	10.283	173	1157	0.500	ug/l #	86
69) Isopropylbenzene	10.476	105	19410	0.763	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	3972	0.766	ug/l #	97
71) 1,2,3-Trichloropropane	10.817	75	3817m	0.907	ug/l	
72) Bromobenzene	10.775	156	4449	0.678	ug/l	72
73) n-propylbenzene	10.897	120	5308	0.693	ug/l	83
74) 2-Chlorotoluene	10.978	126	4660	0.689	ug/l	88
75) 1,3,5-Trimethylbenzene	11.081	105	16848	0.694	ug/l	100
76) 4-Chlorotoluene	11.090	126	4952	0.721	ug/l	91
77) tert-Butylbenzene	11.412	119	16725	0.720	ug/l	97
78) 1,2,4-Trimethylbenzene	11.460	105	17323	0.719	ug/l	97
79) sec-Butylbenzene	11.637	105	23344	0.746	ug/l	96
80) Nitrobenzene	13.222	77	62	0.682	ug/l #	44
81) p-Isopropyltoluene	11.785	119	17956	0.687	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	9905	0.754	ug/l	95
83) 1,4-Dichlorobenzene	11.833	146	9792	0.745	ug/l	95
84) n-Butylbenzene	12.203	91	18231	0.752	ug/l	95
85) 1,2-Dichlorobenzene	12.206	146	9057	0.734	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.990	75	394	0.535	ug/l #	69
87) 1,2,4-Trichlorobenzene	13.836	180	5760	0.751	ug/l	100
88) Hexachlorobutadiene	14.013	225	3278	0.752	ug/l	93
89) Naphthalene	14.090	128	9830	0.715	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	5411	0.763	ug/l	99

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

