

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072125\
 Data File : VU063549.D
 Acq On : 21 Jul 2025 14:07
 Operator : MD/SY
 Sample : VU0721WBSD01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0721WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
 Supervised By :Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:08:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	22358	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7026	0.830	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	6877	0.878	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	12137	1.841	ug/l	97
3) Chloromethane	1.518	50	12156	1.984	ug/l	96
4) Vinyl Chloride	1.599	62	15056	1.929	ug/l	95
5) Bromomethane	1.846	94	12754	2.167	ug/l	100
6) Chloroethane	1.927	64	9629	2.043	ug/l	99
7) Trichlorofluoromethane	2.129	101	22447	2.003	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	12469	2.129	ug/l	97
9) 1,1-Dichloroethene	2.566	96	11442	1.971	ug/l	96
10) Iodomethane	2.711	142	8225	1.777	ug/l	97
11) Allyl Chloride	2.910	41	16752	1.998	ug/l	99
12) Acrylonitrile	3.306	53	5979	4.118	ug/l	96
13) Acetone	2.618	43	20502	17.626	ug/l	94
14) Carbon Disulfide	2.779	76	28856	1.539	ug/l	99
15) Methylene Chloride	3.033	84	15650	2.290	ug/l	98
16) trans-1,2-Dichloroethene	3.338	96	13116	1.990	ug/l	98
17) 1,1-Dichloroethane	3.853	63	25488	2.086	ug/l	98
18) 2-Butanone	4.711	43	23601	13.102	ug/l	97
19) Cyclohexane	5.361	56	19317	1.867	ug/l	98
20) Methylcyclohexane	6.743	83	18047	1.795	ug/l	98
21) 2,2-Dichloropropane	4.644	77	19646	1.888	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	14548	2.034	ug/l	99
23) Diethyl Ether	2.370	59	8881	2.008	ug/l	93
24) tert-Butyl Alcohol	3.190	59	11216	21.006	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	30615	2.020	ug/l	98
26) Bromochloromethane	4.959	128	6129	2.052	ug/l	96
27) Chloroform	5.071	83	25711	2.062	ug/l	99
28) 1,1,1-Trichloroethane	5.296	97	20392	1.927	ug/l	97
29) 1,1-Dichloropropene	5.505	75	19953	2.035	ug/l	97
30) Carbon Tetrachloride	5.502	117	15230	1.788	ug/l	98
31) Isopropyl Ether	3.991	45	38910	2.110	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	34874	2.043	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	30652	2.069	ug/l	99
34) Propionitrile	4.775	54	5703	10.391	ug/l	# 94
35) Benzene	5.756	78	55327	2.101	ug/l	99
36) 1,2-Dichloroethane	5.785	62	17007	2.078	ug/l	99
37) Trichloroethene	6.528	130	14194	2.112	ug/l	92
38) 1,2-Dichloropropane	6.779	63	11474	1.861	ug/l	100
39) Methacrylonitrile	4.971	41	4754	1.949	ug/l	93
40) Methyl acrylate	4.846	55	6716	1.883	ug/l	# 92
41) Tetrahydrofuran	5.055	42	5413	4.218	ug/l	90
42) 1-Chlorobutane	5.441	56	24324	1.866	ug/l	95
43) Dibromomethane	6.907	93	5815	1.821	ug/l	91
44) Bromodichloromethane	7.094	83	11829	1.643	ug/l	# 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	32459	9.862	ug/l	98
46) t-1,4-Dichloro-2-butene	10.820	75	4637m	3.753	ug/l	
47) Methyl methacrylate	6.965	69	9787	3.649	ug/l	96
48) Ethyl methacrylate	8.335	69	9665	1.888	ug/l	97
49) Toluene	7.959	92	26908	1.871	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	7970	1.411	ug/l	94
51) cis-1,3-Dichloropropene	7.602	75	11334	1.494	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	8129	1.891	ug/l	96
53) 1,3-Dichloropropane	8.569	76	14067	1.895	ug/l	97
54) 2-Hexanone	8.692	43	25637	11.727	ug/l	97
55) Dibromochloromethane	8.801	129	6766	1.489	ug/l	99
56) 1,2-Dibromoethane	8.920	107	6923	1.799	ug/l	99
58) Tetrachloroethene	8.544	164	10425	1.695	ug/l	98
59) Chlorobenzene	9.438	112	29622	1.793	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	8703	1.639	ug/l	98
61) Pentachloroethane	11.418	117	6543	1.743	ug/l	89
62) Hexachloroethane	12.466	117	5548	1.493	ug/l	93
63) Ethyl Benzene	9.563	91	51275	1.804	ug/l	98
64) m/p-Xylenes	9.685	106	40627	3.677	ug/l	99
65) o-Xylene	10.093	106	19678	1.854	ug/l	99
66) Styrene	10.106	104	30700	1.815	ug/l	96
67) Bromoform	10.280	173	3028	1.298	ug/l	95
69) Isopropylbenzene	10.476	105	48332	1.883	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	10581	2.023	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	7466m	1.757	ug/l	
72) Bromobenzene	10.775	156	12089	1.825	ug/l	90
73) n-propylbenzene	10.897	120	14141	1.830	ug/l	87
74) 2-Chlorotoluene	10.978	126	12888	1.887	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	45826	1.869	ug/l	100
76) 4-Chlorotoluene	11.090	126	12779	1.843	ug/l	95
77) tert-Butylbenzene	11.412	119	43026	1.836	ug/l	97
78) 1,2,4-Trimethylbenzene	11.460	105	45411	1.867	ug/l	100
79) sec-Butylbenzene	11.634	105	60867	1.926	ug/l	97
80) Nitrobenzene	13.216	77	674	8.579	ug/l #	73
81) p-Isopropyltoluene	11.785	119	48330	1.832	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	24839	1.874	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	26228	1.977	ug/l	99
84) n-Butylbenzene	12.203	91	48364	1.977	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	24007	1.928	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.990	75	1241	1.838	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	14615	1.888	ug/l	97
88) Hexachlorobutadiene	14.013	225	7705	1.752	ug/l	94
89) Naphthalene	14.084	128	26813	1.933	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	13539	1.892	ug/l	97

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

