

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063512.D
 Acq On : 16 Jul 2025 09:54
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:22:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.097	96	22455	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	9200	1.082	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	8165	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	6462	0.976	ug/l	96
3) Chloromethane	1.518	50	6530	1.061	ug/l	98
4) Vinyl Chloride	1.599	62	7920	1.010	ug/l	100
5) Bromomethane	1.846	94	6488	1.098	ug/l	95
6) Chloroethane	1.927	64	4751	1.004	ug/l	98
7) Trichlorofluoromethane	2.129	101	11403	1.013	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	5996	1.019	ug/l	99
9) 1,1-Dichloroethene	2.567	96	5877	1.008	ug/l	95
10) Iodomethane	2.708	142	5353	1.474	ug/l	98
11) Allyl Chloride	2.911	41	8367	0.993	ug/l	94
12) Acrylonitrile	3.306	53	3107	2.130	ug/l	95
13) Acetone	2.618	43	5459	4.673	ug/l	99
14) Carbon Disulfide	2.779	76	19044	1.011	ug/l	98
15) Methylene Chloride	3.030	84	7367	1.073	ug/l	91
16) trans-1,2-Dichloroethene	3.335	96	6995	1.056	ug/l	86
17) 1,1-Dichloroethane	3.849	63	12773	1.041	ug/l	99
18) 2-Butanone	4.714	43	9101	5.031	ug/l	99
19) Cyclohexane	5.354	56	11111	1.069	ug/l	99
20) Methylcyclohexane	6.743	83	9890	0.979	ug/l	98
21) 2,2-Dichloropropane	4.644	77	10936	1.047	ug/l	97
22) cis-1,2-Dichloroethene	4.644	96	7782	1.083	ug/l	96
23) Diethyl Ether	2.370	59	4538	1.022	ug/l	# 89
24) tert-Butyl Alcohol	3.190	59	5615	10.471	ug/l	95
25) Methyl tert-Butyl Ether	3.361	73	15721	1.033	ug/l	96
26) Bromochloromethane	4.959	128	2951	0.984	ug/l	95
27) Chloroform	5.071	83	13121	1.048	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	10709	1.008	ug/l	98
29) 1,1-Dichloropropene	5.502	75	10221	1.038	ug/l	99
30) Carbon Tetrachloride	5.496	117	8599	1.005	ug/l	99
31) Isopropyl Ether	3.994	45	19202	1.037	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	17970	1.048	ug/l	97
33) Tert-Amyl methyl ether	5.943	73	13496	0.907	ug/l	98
34) Propionitrile	4.779	54	2874	5.214	ug/l	# 97
35) Benzene	5.756	78	22692	0.858	ug/l	99
36) 1,2-Dichloroethane	5.782	62	7451	0.906	ug/l	# 85
37) Trichloroethene	6.528	130	6347	0.940	ug/l	99
38) 1,2-Dichloropropane	6.782	63	5862	0.947	ug/l	98
39) Methacrylonitrile	4.972	41	2368	0.979	ug/l	89
40) Methyl acrylate	4.843	55	3610	1.008	ug/l	# 85
41) Tetrahydrofuran	5.065	42	2432	1.887	ug/l	93
42) 1-Chlorobutane	5.435	56	12913	0.987	ug/l	99
43) Dibromomethane	6.910	93	3011	0.939	ug/l	94
44) Bromodichloromethane	7.097	83	6824	0.943	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	16478	4.985	ug/l	96
46) t-1,4-Dichloro-2-butene	10.823	75	2681m	2.286	ug/l	
47) Methyl methacrylate	6.968	69	4791	1.779	ug/l	97
48) Ethyl methacrylate	8.338	69	4500	0.875	ug/l	84
49) Toluene	7.962	92	14592	1.010	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	5194	0.915	ug/l	97
51) cis-1,3-Dichloropropene	7.602	75	6989	0.918	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	4414	1.022	ug/l	94
53) 1,3-Dichloropropane	8.569	76	7339	0.985	ug/l	100
54) 2-Hexanone	8.695	43	10847	4.940	ug/l	93
55) Dibromochloromethane	8.804	129	4122	0.903	ug/l	97
56) 1,2-Dibromoethane	8.920	107	3787	0.980	ug/l	99
58) Tetrachloroethene	8.541	164	6276	1.016	ug/l	97
59) Chlorobenzene	9.441	112	16495	0.994	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.524	131	5306	0.995	ug/l	98
61) Pentachloroethane	11.418	117	3370	0.894	ug/l	98
62) Hexachloroethane	12.466	117	3268	0.875	ug/l	97
63) Ethyl Benzene	9.563	91	28308	0.992	ug/l	98
64) m/p-Xylenes	9.688	106	21130	1.904	ug/l	97
65) o-Xylene	10.094	106	10385	0.974	ug/l	97
66) Styrene	10.110	104	16060	0.945	ug/l	98
67) Bromoform	10.286	173	1899	0.810	ug/l #	94
69) Isopropylbenzene	10.476	105	25098	0.974	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	5141	0.978	ug/l #	98
71) 1,2,3-Trichloropropane	10.817	75	4435m	1.034	ug/l	
72) Bromobenzene	10.778	156	6362	0.956	ug/l	96
73) n-propylbenzene	10.901	120	7341	0.946	ug/l	96
74) 2-Chlorotoluene	10.978	126	6695	0.976	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	23269	0.945	ug/l	99
76) 4-Chlorotoluene	11.094	126	6734	0.967	ug/l	99
77) tert-Butylbenzene	11.412	119	22171	0.942	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	23102	0.946	ug/l	100
79) sec-Butylbenzene	11.637	105	30908	0.974	ug/l	98
80) Nitrobenzene	13.232	77	400m	5.705	ug/l	
81) p-Isopropyltoluene	11.785	119	24799	0.936	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	12830	0.964	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	12848	0.964	ug/l	97
84) n-Butylbenzene	12.203	91	22541	0.917	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	12071	0.965	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	603	0.991	ug/l	92
87) 1,2,4-Trichlorobenzene	13.839	180	7020	0.903	ug/l	98
88) Hexachlorobutadiene	14.013	225	4144	0.938	ug/l	98
89) Naphthalene	14.087	128	11965	0.859	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	6612	0.920	ug/l	99

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

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