

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063514.D
 Acq On : 16 Jul 2025 11:00
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 03:24:14 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	26058	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	9401	0.953	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	8923	0.978	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	37785	4.918	ug/l	100
3) Chloromethane	1.518	50	35181	4.926	ug/l	99
4) Vinyl Chloride	1.599	62	44244	4.864	ug/l	99
5) Bromomethane	1.846	94	32799	4.782	ug/l	100
6) Chloroethane	1.923	64	26955	4.908	ug/l	99
7) Trichlorofluoromethane	2.129	101	64344	4.927	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	34008	4.983	ug/l	99
9) 1,1-Dichloroethene	2.566	96	33329	4.927	ug/l	98
10) Iodomethane	2.708	142	39902	4.500	ug/l	99
11) Allyl Chloride	2.907	41	46826	4.791	ug/l	97
12) Acrylonitrile	3.306	53	16229	9.586	ug/l	99
13) Acetone	2.618	43	29387	21.677	ug/l	98
14) Carbon Disulfide	2.779	76	106742	4.885	ug/l	99
15) Methylene Chloride	3.029	84	37774	4.742	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	37017	4.818	ug/l	96
17) 1,1-Dichloroethane	3.849	63	70167	4.927	ug/l	98
18) 2-Butanone	4.714	43	48390	23.049	ug/l	100
19) Cyclohexane	5.361	56	58522	4.854	ug/l	100
20) Methylcyclohexane	6.740	83	52941	4.517	ug/l	98
21) 2,2-Dichloropropane	4.644	77	56419	4.653	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	40321	4.836	ug/l	99
23) Diethyl Ether	2.370	59	25929	5.030	ug/l	99
24) tert-Butyl Alcohol	3.190	59	29561	47.503	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	86741	4.911	ug/l	98
26) Bromochloromethane	4.955	128	17243	4.953	ug/l	95
27) Chloroform	5.071	83	70739	4.868	ug/l	100
28) 1,1,1-Trichloroethane	5.293	97	61347	4.974	ug/l	99
29) 1,1-Dichloropropene	5.505	75	55976	4.899	ug/l	99
30) Carbon Tetrachloride	5.499	117	49682	5.005	ug/l	100
31) Isopropyl Ether	3.994	45	105534	4.909	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	94505	4.751	ug/l	99
33) Tert-Amyl methyl ether	5.943	73	84936	4.920	ug/l	99
34) Propionitrile	4.775	54	16304	25.489	ug/l	96
35) Benzene	5.753	78	156970	5.113	ug/l	96
36) 1,2-Dichloroethane	5.782	62	48312	5.065	ug/l	100
37) Trichloroethene	6.525	130	35295	4.506	ug/l	94
38) 1,2-Dichloropropane	6.782	63	33611	4.678	ug/l	98
39) Methacrylonitrile	4.972	41	12545	4.468	ug/l	96
40) Methyl acrylate	4.846	55	19739	4.749	ug/l	98
41) Tetrahydrofuran	5.058	42	13119	8.771	ug/l	99
42) 1-Chlorobutane	5.438	56	75929	4.999	ug/l	93
43) Dibromomethane	6.907	93	17942	4.821	ug/l	95
44) Bromodichloromethane	7.094	83	40349	4.807	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	95213	24.821	ug/l	99
46) t-1,4-Dichloro-2-butene	10.823	75	13369m	9.823	ug/l	
47) Methyl methacrylate	6.965	69	30554	9.775	ug/l	97
48) Ethyl methacrylate	8.335	69	29487	4.943	ug/l	95
49) Toluene	7.959	92	83681	4.993	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	32573	4.946	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	43517	4.923	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	24935	4.976	ug/l	98
53) 1,3-Dichloropropane	8.569	76	42938	4.964	ug/l	98
54) 2-Hexanone	8.688	43	62636	24.583	ug/l	99
55) Dibromochloromethane	8.801	129	26834	5.067	ug/l	98
56) 1,2-Dibromoethane	8.917	107	22293	4.971	ug/l	100
58) Tetrachloroethene	8.544	164	35190	4.909	ug/l	98
59) Chlorobenzene	9.441	112	95389	4.955	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	30337	4.901	ug/l	98
61) Pentachloroethane	11.418	117	21959	5.020	ug/l	96
62) Hexachloroethane	12.466	117	22137	5.110	ug/l	97
63) Ethyl Benzene	9.563	91	163996	4.951	ug/l	99
64) m/p-Xylenes	9.685	106	127196	9.878	ug/l	98
65) o-Xylene	10.090	106	61641	4.982	ug/l	98
66) Styrene	10.106	104	99507	5.046	ug/l	98
67) Bromoform	10.283	173	13680	5.030	ug/l	99
69) Isopropylbenzene	10.476	105	149628	5.002	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	29913	4.906	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	23113m	4.645	ug/l	
72) Bromobenzene	10.775	156	38144	4.941	ug/l	99
73) n-propylbenzene	10.897	120	44825	4.978	ug/l	96
74) 2-Chlorotoluene	10.978	126	39249	4.932	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	143599	5.025	ug/l	100
76) 4-Chlorotoluene	11.090	126	40518	5.014	ug/l	100
77) tert-Butylbenzene	11.412	119	135731	4.970	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	142811	5.038	ug/l	99
79) sec-Butylbenzene	11.634	105	184683	5.015	ug/l	100
80) Nitrobenzene	13.206	77	2721	23.955	ug/l #	90
81) p-Isopropyltoluene	11.785	119	156566	5.093	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	77340	5.007	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	76910	4.975	ug/l	99
84) n-Butylbenzene	12.200	91	145033	5.087	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	71942	4.958	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	4378	4.863	ug/l	95
87) 1,2,4-Trichlorobenzene	13.833	180	44492	4.931	ug/l	99
88) Hexachlorobutadiene	14.013	225	25355	4.948	ug/l	99
89) Naphthalene	14.081	128	76448	4.728	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	41834	5.017	ug/l	99

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

