

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021025\
 Data File : VU063224.D
 Acq On : 10 Feb 2025 15:33
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 11 04:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 03:56:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	58075	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	20689	1.080	ug/l	0.00
Spiked Amount	1.000		Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	22516	1.130	ug/l	0.00
Spiked Amount	1.000		Recovery	=	113.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	263402	13.960	ug/l	100
3) Chloromethane	1.515	50	300062	13.809	ug/l	97
4) Vinyl Chloride	1.596	62	311009	14.466	ug/l	100
6) Chloroethane	1.904	64	188210	13.899	ug/l	99
7) Trichlorofluoromethane	2.116	101	362692	14.236	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	200170	13.842	ug/l	99
9) 1,1-Dichloroethene	2.560	96	210091	14.259	ug/l	98
10) Iodomethane	2.705	142	329697	14.234	ug/l	99
11) Allyl Chloride	2.904	41	311245	14.705	ug/l	100
12) Acrylonitrile	3.300	53	102914	30.731	ug/l	99
13) Acetone	2.612	43	172446	65.992	ug/l	100
14) Carbon Disulfide	2.776	76	716395	13.906	ug/l	100
15) Methylene Chloride	3.026	84	251659	13.825	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	242715	14.434	ug/l	98
17) 1,1-Dichloroethane	3.846	63	453378	14.304	ug/l	100
18) 2-Butanone	4.685	43	304814	72.208	ug/l	99
19) Cyclohexane	5.370	56	400586m	15.729	ug/l	
20) Methylcyclohexane	6.750	83	398925	15.795	ug/l	99
21) 2,2-Dichloropropane	4.644	77	354900	14.352	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	270006	14.861	ug/l	100
23) Diethyl Ether	2.364	59	177089	14.007	ug/l	100
24) tert-Butyl Alcohol	3.177	59	185785	146.971	ug/l	100
25) Methyl tert-Butyl Ether	3.348	73	553339	15.037	ug/l	99
26) Bromochloromethane	4.952	128	113229	14.257	ug/l	98
27) Chloroform	5.071	83	457911	14.316	ug/l	100
28) 1,1,1-Trichloroethane	5.300	97	373842	14.428	ug/l	99
29) 1,1-Dichloropropene	5.509	75	347711	14.983	ug/l	99
30) Carbon Tetrachloride	5.509	117	321059	14.448	ug/l	99
31) Isopropyl Ether	3.975	45	703540	15.547	ug/l	98
32) Ethyl-t-butyl ether	4.483	59	649553	15.784	ug/l	99
33) Tert-Amyl methyl ether	5.923	73	575729	16.013	ug/l	100
34) Propionitrile	4.753	54	103055	78.746	ug/l	99
35) Benzene	5.756	78	1044796	14.641	ug/l	99
36) 1,2-Dichloroethane	5.775	62	291840	14.170	ug/l	100
37) Trichloroethene	6.528	130	244774	14.424	ug/l	100
38) 1,2-Dichloropropane	6.775	63	273676	14.653	ug/l	99
39) Methacrylonitrile	4.956	41	79040	16.908	ug/l	99
40) Methyl acrylate	4.830	55	133276	15.616	ug/l	99
41) Tetrahydrofuran	5.036	42	79845	29.065	ug/l	99
42) 1-Chlorobutane	5.441	56	481169	15.153	ug/l	99
43) Dibromomethane	6.904	93	133485	14.114	ug/l	98
44) Bromodichloromethane	7.090	83	323143	14.680	ug/l	99
45) 4-Methyl-2-Pentanone	7.779	43	794494	80.129	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.827	75	143327m	29.213	ug/l	
47) Methyl methacrylate	6.946	69	256757	32.232	ug/l	100
48) Ethyl methacrylate	8.322	69	257931	17.244	ug/l	100
49) Toluene	7.955	92	638079	15.549	ug/l	100
50) t-1,3-Dichloropropene	8.197	75	320246	15.891	ug/l	98
51) cis-1,3-Dichloropropene	7.595	75	386542	15.527	ug/l	99
52) 1,1,2-Trichloroethane	8.386	97	186154	14.598	ug/l	98
53) 1,3-Dichloropropane	8.563	76	330381	14.594	ug/l	99
54) 2-Hexanone	8.672	43	557608	82.409	ug/l	99
55) Dibromochloromethane	8.798	129	219151	14.939	ug/l	97
56) 1,2-Dibromoethane	8.910	107	178579	14.932	ug/l	99
58) Tetrachloroethene	8.541	164	195759	13.998	ug/l	99
59) Chlorobenzene	9.434	112	659996	15.241	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.521	131	233573	15.005	ug/l	99
61) Pentachloroethane	11.415	117	217502	15.642	ug/l	100
62) Hexachloroethane	12.463	117	202372	16.451	ug/l	100
63) Ethyl Benzene	9.560	91	1218926	16.321	ug/l	99
64) m/p-Xylenes	9.682	106	919492	32.960	ug/l	99
65) o-Xylene	10.090	106	447318	16.379	ug/l	100
66) Styrene	10.103	104	750530	17.269	ug/l	100
67) Bromoform	10.280	173	131670	15.814	ug/l	99
69) Isopropylbenzene	10.473	105	1068251	16.638	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.769	83	264258	15.376	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	200210m	15.363	ug/l	
72) Bromobenzene	10.772	156	273315	15.799	ug/l	99
73) n-propylbenzene	10.894	120	312734	17.012	ug/l	100
74) 2-Chlorotoluene	10.975	126	279514	16.499	ug/l	98
75) 1,3,5-Trimethylbenzene	11.077	105	1018594	17.122	ug/l	100
76) 4-Chlorotoluene	11.087	126	284996	16.404	ug/l	100
77) tert-Butylbenzene	11.409	119	1004388	16.693	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	1038794	17.598	ug/l	99
79) sec-Butylbenzene	11.630	105	1305019	17.036	ug/l	100
80) Nitrobenzene	13.200	77	39246	75.007	ug/l	99
81) p-Isopropyltoluene	11.782	119	1064335	17.605	ug/l	100
82) 1,3-Dichlorobenzene	11.733	146	532282	15.863	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	537516	16.378	ug/l	99
84) n-Butylbenzene	12.196	91	994690	18.246	ug/l	100
85) 1,2-Dichlorobenzene	12.200	146	526346	16.323	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	39960	16.565	ug/l	98
87) 1,2,4-Trichlorobenzene	13.830	180	288112	18.320	ug/l	99
88) Hexachlorobutadiene	14.010	225	175875	15.648	ug/l	99
89) Naphthalene	14.077	128	515515	15.328	ug/l	100
90) 1,2,3-Trichlorobenzene	14.318	180	277101	18.007	ug/l	98

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

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