

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021025\
 Data File : VU063219.D
 Acq On : 10 Feb 2025 12:59
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

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

Quant Time: Feb 11 03:57:11 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	6.107	96	49900	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15091	0.917	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	15652	0.914	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	8130	0.501	ug/l	99
3) Chloromethane	1.518	50	9740	0.522	ug/l	100
4) Vinyl Chloride	1.599	62	9090	0.492	ug/l	98
5) Bromomethane	1.849	94	4941	0.578	ug/l	82
6) Chloroethane	1.927	64	6121	0.526	ug/l	90
7) Trichlorofluoromethane	2.129	101	10617	0.485	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	6464	0.520	ug/l	95
9) 1,1-Dichloroethene	2.573	96	6378	0.504	ug/l	95
11) Allyl Chloride	2.917	41	8493	0.467	ug/l	91
12) Acrylonitrile	3.332	53	2569m	0.893	ug/l	
13) Acetone	2.618	43	6197	2.760	ug/l	90
14) Carbon Disulfide	2.782	76	23559	0.532	ug/l	100
15) Methylene Chloride	3.033	84	8284	0.530	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	7275	0.504	ug/l	99
17) 1,1-Dichloroethane	3.856	63	13044	0.479	ug/l	96
18) 2-Butanone	4.730	43	8910m	2.456	ug/l	
19) Cyclohexane	5.377	56	10342m	0.473	ug/l	
20) Methylcyclohexane	6.753	83	9399	0.433	ug/l	96
21) 2,2-Dichloropropane	4.653	77	10817	0.509	ug/l	95
22) cis-1,2-Dichloroethene	4.663	96	7417	0.475	ug/l	91
23) Diethyl Ether	2.367	59	5553	0.511	ug/l	95
25) Methyl tert-Butyl Ether	3.354	73	14531	0.460	ug/l	98
26) Bromochloromethane	4.968	128	3323	0.487	ug/l	95
27) Chloroform	5.081	83	13627	0.496	ug/l	93
28) 1,1,1-Trichloroethane	5.306	97	10801	0.485	ug/l	98
29) 1,1-Dichloropropene	5.518	75	9175	0.460	ug/l	99
30) Carbon Tetrachloride	5.515	117	9251	0.485	ug/l	93
31) Isopropyl Ether	3.978	45	17908	0.461	ug/l	98
32) Ethyl-t-butyl ether	4.492	59	16177	0.458	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	13471	0.436	ug/l	99
34) Propionitrile	4.801	54	2034m	1.809	ug/l	
35) Benzene	5.769	78	29011	0.473	ug/l	98
36) 1,2-Dichloroethane	5.791	62	8750	0.494	ug/l	# 95
37) Trichloroethene	6.537	130	7149	0.490	ug/l	94
38) 1,2-Dichloropropane	6.782	63	7842	0.489	ug/l	98
39) Methacrylonitrile	5.017	41	1535m	0.382	ug/l	
40) Methyl acrylate	4.920	55	2955m	0.403	ug/l	
41) Tetrahydrofuran	5.065	42	2289	0.970	ug/l	# 58
42) 1-Chlorobutane	5.451	56	12081	0.443	ug/l	92
43) Dibromomethane	6.910	93	4024	0.495	ug/l	94
44) Bromodichloromethane	7.100	83	8280	0.438	ug/l	# 99
45) 4-Methyl-2-Pentanone	7.785	43	18398	2.160	ug/l	# 91
46) t-1,4-Dichloro-2-butene	10.823	75	3537m	0.839	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	5580m	0.815	ug/l	
48) Ethyl methacrylate	8.332	69	4839	0.377	ug/l	91
49) Toluene	7.962	92	15136	0.429	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	7086	0.409	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	9424	0.441	ug/l	91
52) 1,1,2-Trichloroethane	8.393	97	5257	0.480	ug/l	94
53) 1,3-Dichloropropane	8.566	76	8834	0.454	ug/l	96
54) 2-Hexanone	8.685	43	11692m	2.011	ug/l	
55) Dibromochloromethane	8.801	129	5934	0.471	ug/l	97
56) 1,2-Dibromoethane	8.917	107	4834	0.470	ug/l	90
58) Tetrachloroethene	8.544	164	6044	0.503	ug/l	88
59) Chlorobenzene	9.441	112	16870	0.453	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.524	131	6349	0.475	ug/l	97
61) Pentachloroethane	11.418	117	5212	0.436	ug/l	98
62) Hexachloroethane	12.466	117	4467	0.423	ug/l	97
63) Ethyl Benzene	9.563	91	26810	0.418	ug/l	98
64) m/p-Xylenes	9.685	106	18658	0.778	ug/l	96
65) o-Xylene	10.094	106	9329	0.398	ug/l	99
66) Styrene	10.113	104	14012	0.375	ug/l	98
67) Bromoform	10.283	173	3160	0.442	ug/l	95
69) Isopropylbenzene	10.476	105	22191	0.402	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	6493	0.440	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	5487m	0.490	ug/l	
72) Bromobenzene	10.778	156	6302	0.424	ug/l	92
73) n-propylbenzene	10.901	120	6029	0.382	ug/l	97
74) 2-Chlorotoluene	10.981	126	5699	0.392	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	18487	0.362	ug/l	98
76) 4-Chlorotoluene	11.093	126	5912	0.396	ug/l	88
77) tert-Butylbenzene	11.412	119	21304	0.412	ug/l	95
78) 1,2,4-Trimethylbenzene	11.460	105	17694	0.349	ug/l	95
79) sec-Butylbenzene	11.637	105	25352	0.385	ug/l	100
81) p-Isopropyltoluene	11.785	119	18576	0.358	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	13255	0.460	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	12096	0.429	ug/l	99
84) n-Butylbenzene	12.206	91	17297	0.369	ug/l	95
85) 1,2-Dichlorobenzene	12.209	146	11996	0.433	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	779	0.376	ug/l	90
87) 1,2,4-Trichlorobenzene	13.839	180	5130	0.380	ug/l	94
88) Hexachlorobutadiene	14.013	225	4651	0.482	ug/l	96
89) Naphthalene	14.097	128	7859	0.899	ug/l #	93
90) 1,2,3-Trichlorobenzene	14.328	180	5453	0.412	ug/l	98

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

