

Method Path : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\
 Method File : 524U071119DW.M
 Title : METHOD 524.2 VOLATILES DRINKING WATER
 Last Update : Fri Jul 12 05:19:33 2019
 Response Via : Initial Calibration

Calibration Files

0.5 =VU033195.D 1 =VU033196.D 2 =VU033197.D
 5 =VU033198.D 10 =VU033199.D 15 =VU033200.D

Compound		0.5	1	2	5	10	15	Avg	%RSD

1) i	Fluorobenzene	-----ISTD-----							
2) T	Dichlorodifluorom	0.430	0.384	0.366	0.394	0.388	0.383	0.391	5.46
3) t	Chloromethane	0.511	0.463	0.450	0.445	0.445	0.426	0.456	6.41
4) Rt	Vinyl Chloride	0.523	0.460	0.458	0.472	0.457	0.452	0.470	5.68
5) T	Bromomethane	0.370	0.324	0.273	0.282	0.273	0.238	0.294	15.84
6) T	Chloroethane	0.321	0.282	0.280	0.291	0.284	0.274	0.289	5.75
7) T	Trichlorofluorome	0.680	0.625	0.623	0.643	0.638	0.610	0.637	3.79
8)	1,1,2-Trichloro-1	0.366	0.319	0.309	0.326	0.324	0.316	0.327	6.18
9) Rt	1,1-Dichloroethen	0.380	0.335	0.306	0.328	0.321	0.310	0.330	8.17
10) t	Iodomethane	0.288	0.298	0.279	0.374	0.431	0.420	0.348	19.71
11) t	Allyl Chloride	0.600	0.565	0.531	0.551	0.537	0.523	0.551	5.11
12) t	Acrylonitrile	0.094	0.096	0.095	0.088	0.089	0.086	0.091	4.42
13) T	Acetone	0.105	0.084	0.080	0.078	0.074	0.071	0.082	14.91
14) T	Carbon Disulfide	1.346	1.199	1.158	1.201	1.179	1.142	1.204	6.09
15) RT	Methylene Chlorid	0.587	0.456	0.419	0.411	0.397	0.376	0.441	17.27
16) RT	trans-1,2-Dichlor	0.425	0.385	0.362	0.375	0.364	0.355	0.378	6.76
17) t	1,1-Dichloroethan	0.588	0.530	0.543	0.550	0.551	0.529	0.549	3.93
18) T	2-Butanone	0.087	0.076	0.082	0.080	0.083	0.082	0.082	4.27
19)	Cyclohexane	0.419	0.379	0.379	0.430	0.459	0.449	0.419	8.18
20)	Methylcyclohexane	0.422	0.386	0.387	0.452	0.491	0.499	0.440	11.27
21) T	2,2-Dichloropropa	0.508	0.457	0.451	0.456	0.460	0.434	0.461	5.42
22) RT	cis-1,2-Dichloroe	0.322	0.308	0.297	0.317	0.323	0.316	0.314	3.06
23) t	Diethyl Ether	0.334	0.288	0.268	0.282	0.280	0.273	0.288	8.33
24) t	tert-Butyl Alcoho	0.040	0.035	0.034	0.034	0.034	0.033	0.035	7.04
25) t	Methyl tert-Butyl	1.036	0.952	0.951	0.948	0.955	0.927	0.962	3.95
26) t	Bromochloromethan	0.148	0.144	0.135	0.135	0.140	0.132	0.139	4.48
27) t	Chloroform	0.731	0.615	0.584	0.577	0.577	0.550	0.606	10.68
28) RT	1,1,1-Trichloroet	0.518	0.464	0.453	0.483	0.487	0.472	0.479	4.67
29) T	1,1-Dichloroprope	0.409	0.378	0.387	0.411	0.423	0.418	0.404	4.47
30) RT	Carbon Tetrachlor	0.458	0.407	0.406	0.421	0.432	0.416	0.423	4.61
31) t	Isopropyl Ether	0.763	0.710	0.674	0.739	0.770	0.762	0.736	5.15
32)	Ethyl-t-butyl eth	0.726	0.675	0.678	0.705	0.760	0.766	0.718	5.48
33)	Tert-Amyl methyl	0.630	0.595	0.622	0.675	0.727	0.722	0.662	8.32
34) t	Propionitrile	0.022	0.021	0.023	0.023	0.025	0.024	0.023	5.99
35) RT	Benzene	1.228	1.110	1.113	1.200	1.231	1.192	1.179	4.60
36) RT	1,2-Dichloroethan	0.414	0.373	0.363	0.379	0.389	0.372	0.382	4.72
37) RT	Trichloroethene	0.323	0.299	0.286	0.310	0.318	0.313	0.308	4.31
38) Rt	1,2-Dichloropropa	0.334	0.303	0.302	0.323	0.333	0.317	0.319	4.44
39) t	Methacrylonitrile	0.102	0.097	0.084	0.096	0.100	0.097	0.096	6.42
40) t	Methyl acrylate	0.128	0.130	0.133	0.140	0.168	0.155	0.142	11.12
41) t	Tetrahydrofuran	0.051	0.051	0.049	0.050	0.052	0.050	0.050	2.04
42) t	1-Chlorobutane	0.556	0.518	0.523	0.560	0.573	0.566	0.549	4.17
43) T	Dibromomethane	0.175	0.161	0.164	0.174	0.178	0.171	0.171	3.85
44) T	Bromodichlorometh	0.456	0.408	0.402	0.415	0.429	0.412	0.420	4.69
45) T	4-Methyl-2-Pentan	0.184	0.166	0.185	0.196	0.213	0.208	0.192	9.03
46) t	t-1,4-Dichloro-2-	0.059	0.068	0.084	0.088	0.095	0.095	0.082	18.06
47) t	Methyl methacryla	0.120	0.110	0.133	0.150	0.158	0.157	0.138	14.53
48) t	Ethyl methacrylat	0.231	0.228	0.234	0.264	0.298	0.300	0.259	12.92
49) Rt	Toluene	0.656	0.627	0.651	0.722	0.768	0.748	0.695	8.36
50) T	t-1,3-Dichloropro	0.357	0.334	0.359	0.383	0.409	0.395	0.373	7.48
51) T	cis-1,3-Dichlorop	0.416	0.399	0.411	0.443	0.461	0.455	0.431	5.97
52) RT	1,1,2-Trichloroet	0.236	0.227	0.236	0.238	0.244	0.239	0.237	2.42
53) t	1,3-Dichloropropa	0.397	0.388	0.384	0.405	0.423	0.411	0.401	3.61

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	Compound	0.5	1	2	5	10	15	Avg	%RSD
54) t	2-Hexanone	0.122	0.117	0.127	0.137	0.151	0.149	0.134	10.58
55) t	Dibromochlorometh	0.271	0.256	0.264	0.282	0.289	0.282	0.274	4.56
56) T	1,2-Dibromoethane	0.212	0.210	0.212	0.220	0.235	0.225	0.219	4.41
57) S	4-Bromofluorobenz	0.347	0.362	0.380	0.383	0.397	0.397	0.378	5.21
58) RT	Tetrachloroethene	0.288	0.269	0.270	0.285	0.291	0.287	0.282	3.50
59) Rt	Chlorobenzene	0.758	0.704	0.734	0.791	0.854	0.848	0.782	7.81
60) T	1,1,1,2-Tetrachlo	0.299	0.257	0.278	0.292	0.301	0.301	0.288	6.02
61) t	Pentachloroethane	0.211	0.213	0.221	0.231	0.241	0.241	0.226	5.98
62) t	Hexachloroethane	0.208	0.207	0.201	0.222	0.242	0.240	0.220	7.95
63) Rt	Ethyl Benzene	1.149	1.074	1.147	1.344	1.482	1.472	1.278	13.94
64) RT	m/p-Xylenes	0.427	0.402	0.456	0.544	0.585	0.583	0.499	16.24
65) RT	o-Xylene	0.419	0.416	0.447	0.518	0.556	0.557	0.485	13.62
66) RT	Styrene	0.681	0.673	0.729	0.892	0.977	0.965	0.819	17.23
67) t	Bromoform	0.155	0.138	0.153	0.155	0.167	0.167	0.156	6.93
68) S	1,2-Dichlorobenze	0.387	0.387	0.402	0.402	0.438	0.439	0.409	5.78
69) T	Isopropylbenzene	1.056	1.086	1.151	1.337	1.467	1.475	1.262	14.97
70) T	1,1,2,2-Tetrachlo	0.339	0.303	0.311	0.320	0.334	0.325	0.322	4.26
71) T	1,2,3-Trichloropr	0.277	0.227	0.228	0.236	0.243	0.238	0.242	7.57
72) t	Bromobenzene	0.291	0.307	0.316	0.336	0.355	0.358	0.327	8.27
73) t	n-propylbenzene	0.276	0.303	0.336	0.382	0.425	0.422	0.357	17.44
74) t	2-Chlorotoluene	0.287	0.281	0.306	0.337	0.366	0.359	0.323	11.32
75) t	1,3,5-Trimethylbe	0.844	0.873	0.997	1.209	1.322	1.309	1.092	19.72
76) t	4-Chlorotoluene	0.274	0.280	0.311	0.349	0.390	0.373	0.329	14.73
77) t	tert-Butylbenzene	0.892	0.893	0.952	1.106	1.225	1.242	1.052	15.32
78) t	1,2,4-Trimethylbe	0.868	0.888	1.001	1.247	1.358	1.335	1.116	20.04
79) t	sec-Butylbenzene	1.223	1.216	1.311	1.553	1.678	1.680	1.444	15.19
80)	Nitrobenzene	0.006	0.007	0.009	0.010	0.012	0.013	0.010	29.38
81) t	p-Isopropyltoluen	0.932	0.942	1.054	1.284	1.411	1.420	1.174	19.28
82) t	1,3-Dichlorobenze	0.639	0.609	0.635	0.698	0.744	0.728	0.675	8.23
83) Rt	1,4-Dichlorobenze	0.631	0.615	0.620	0.714	0.757	0.742	0.680	9.59
84) t	n-Butylbenzene	1.002	0.957	1.032	1.257	1.384	1.388	1.170	16.79
85) Rt	1,2-Dichlorobenze	0.618	0.606	0.605	0.658	0.698	0.692	0.646	6.56
86) t	1,2-Dibromo-3-Chl	0.049	0.044	0.050	0.052	0.057	0.054	0.051	8.95
87) Rt	1,2,4-Trichlorobe	0.341	0.351	0.352	0.408	0.462	0.473	0.398	14.78
88) t	Hexachlorobutadie	0.230	0.206	0.213	0.231	0.246	0.252	0.230	7.82
89) t	Naphthalene	0.575	0.588	0.613	0.756	0.895	0.925	0.725	21.66
90) t	1,2,3-Trichlorobe	0.338	0.319	0.337	0.396	0.440	0.450	0.380	14.94

(#) = Out of Range