

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
 Method File : 524U083121DW.M
 Title : METHOD 524.2 VOLATILES DRINKING WATER
 Last Update : Wed Sep 01 01:29:46 2021
 Response Via : Initial Calibration

Calibration Files

0.5 =VU044534.D 1 =VU044535.D 2 =VU044536.D 5 =VU044537.D 10 =VU044538.D 15 =VU044539.D

Compound		0.5	1	2	5	10	15	Avg	%RSD

1) i	Fluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.352	0.384	0.377	0.428	0.442	0.418	0.400	8.63
3) t	Chloromethane	0.466	0.452	0.437	0.469	0.478	0.439	0.457	3.72
4) Rt	Vinyl Chloride	0.469	0.518	0.505	0.559	0.577	0.532	0.527	7.34
5) T	Bromomethane	0.430	0.401	0.404	0.420	0.453	0.432	0.423	4.54
6) T	Chloroethane	0.397	0.435	0.348	0.381	0.424	0.392	0.396	7.84
7) T	Trichlorofluor...	0.734	0.824	0.809	0.892	0.944	0.879	0.847	8.72
8)	1,1,2-Trichlor...	0.449	0.514	0.491	0.537	0.564	0.526	0.513	7.72
9) Rt	1,1-Dichloroet...	0.407	0.487	0.448	0.486	0.521	0.495	0.474	8.50
10) t	Iodomethane		0.488	0.488	0.593	0.660	0.631	0.572	14.00
11) t	Allyl Chloride	0.460	0.556	0.522	0.559	0.588	0.558	0.541	8.26
12) t	Acrylonitrile	0.067	0.105	0.068	0.091	0.097	0.085	0.086	18.02
13) T	Acetone	0.048	0.075	0.042	0.044	0.045	0.045	0.050	24.95
14) T	Carbon Disulfide	1.185	1.349	1.284	1.439	1.536	1.469	1.377	9.41
15) RT	Methylene Chlo...	1.040	0.956	0.674	0.612	0.602	0.550	0.739	27.89
16) RT	trans-1,2-Dich...	0.441	0.512	0.490	0.538	0.566	0.524	0.512	8.44
17) t	1,1-Dichloroet...	0.772	0.872	0.814	0.892	0.947	0.872	0.862	7.09
18) T	2-Butanone	0.076	0.122	0.081	0.091	0.100	0.091	0.093	17.53
19)	Cyclohexane	0.700	0.786	0.718	0.794	0.870	0.806	0.779	7.97
20)	Methylcyclohexane	0.380	0.420	0.405	0.470	0.526	0.516	0.453	13.34
21) T	2,2-Dichloropr...	0.792	0.843	0.741	0.771	0.812	0.754	0.785	4.87
22) RT	cis-1,2-Dichlo...	0.516	0.578	0.557	0.607	0.645	0.603	0.584	7.63
23) t	Diethyl Ether	0.291	0.341	0.318	0.351	0.374	0.345	0.337	8.47
24) t	tert-Butyl Alc...		0.017	0.017	0.017	0.020	0.017	0.018	8.13
25) t	Methyl tert-Bu...	1.037	1.197	1.100	1.215	1.268	1.198	1.169	7.23
26) t	Bromochloromet...	0.243	0.282	0.261	0.290	0.300	0.278	0.276	7.49
27) t	Chloroform	0.946	1.066	0.931	1.014	1.077	1.003	1.006	5.95
28) RT	1,1,1-Trichlor...	0.753	0.858	0.805	0.903	0.949	0.896	0.861	8.32
29) T	1,1-Dichloropr...	0.338	0.360	0.363	0.398	0.410	0.398	0.378	7.44
30) RT	Carbon Tetrach...	0.306	0.351	0.357	0.410	0.421	0.405	0.375	11.90
31) t	Isopropyl Ether	1.025	1.244	1.160	1.251	1.345	1.270	1.216	9.09
32)	Ethyl-t-butyl ...	1.206	1.351	1.243	1.380	1.452	1.374	1.334	6.90
33)	Tert-Amyl meth...	0.548	0.616	0.614	0.673	0.716	0.692	0.643	9.60
34) t	Propionitrile	0.018	0.034	0.021	0.026	0.029	0.026	0.026	22.20
35) RT	Benzene	0.963	1.029	1.025	1.137	1.199	1.162	1.086	8.55
36) RT	1,2-Dichloroet...	0.307	0.350	0.351	0.365	0.390	0.363	0.354	7.66
37) RT	Trichloroethene	0.269	0.294	0.303	0.333	0.344	0.334	0.313	9.19
38) Rt	1,2-Dichloropr...	0.231	0.249	0.266	0.288	0.310	0.296	0.274	11.02
39) t	Methacrylonitrile	0.124	0.168	0.129	0.146	0.156	0.142	0.144	11.47
40) t	Methyl acrylate	0.186	0.276	0.220	0.248	0.246	0.231	0.235	12.92
41) t	Tetrahydrofuran	0.084	0.092	0.056	0.066	0.063	0.061	0.070	20.18
42) t	1-Chlorobutane	0.439	0.453	0.472	0.508	0.533	0.513	0.487	7.64
43) T	Dibromomethane	0.144	0.157	0.161	0.179	0.186	0.178	0.167	9.60
44) T	Bromodichlorom...	0.336	0.354	0.352	0.412	0.446	0.420	0.387	11.62
45) T	4-Methyl-2-Pen...	0.144	0.158	0.148	0.185	0.200	0.192	0.171	13.99
46) t	t-1,4-Dichloro...	0.056	0.060	0.063	0.075	0.088	0.093	0.072	21.11
47) t	Methyl methacr...	0.108	0.127	0.129	0.150	0.157	0.164	0.139	15.32
48) t	Ethyl methacry...	0.227	0.250	0.248	0.300	0.339	0.330	0.282	16.64
49) Rt	Toluene	0.572	0.631	0.665	0.758	0.840	0.834	0.717	15.49
50) T	t-1,3-Dichloro...	0.247	0.291	0.311	0.363	0.412	0.413	0.340	19.98
51) T	cis-1,3-Dichlo...	0.306	0.337	0.344	0.411	0.468	0.456	0.387	17.36
52) RT	1,1,2-Trichlor...	0.195	0.223	0.225	0.253	0.273	0.259	0.238	12.03
53) t	1,3-Dichloropr...	0.343	0.384	0.387	0.439	0.458	0.441	0.409	10.89
54) t	2-Hexanone	0.102	0.107	0.112	0.129	0.144	0.137	0.122	14.16
55) t	Dibromochlorom...	0.209	0.244	0.246	0.292	0.316	0.312	0.270	16.01
56) T	1,2-Dibromoethane	0.198	0.211	0.216	0.251	0.272	0.256	0.234	12.71
57) S	4-Bromofluorob...	0.331	0.358	0.367	0.389	0.426	0.426	0.383	10.05

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58)	RT	Tetrachloroethene	0.245	0.282	0.283	0.310	0.329	0.321	0.295	10.62
59)	Rt	Chlorobenzene	0.655	0.739	0.763	0.860	0.935	0.921	0.812	13.69
60)	T	1,1,1,2-Tetrac...	0.243	0.252	0.279	0.308	0.333	0.330	0.291	13.37
61)	t	Pentachloroethane	0.167	0.207	0.205	0.249	0.276	0.280	0.231	19.45
62)	t	Hexachloroethane	0.173	0.190	0.201	0.247	0.286	0.298	0.232	22.54
63)	Rt	Ethyl Benzene	1.022	1.121	1.213	1.459	1.619	1.624	1.343	19.36
64)	RT	m/p-Xylenes	0.386	0.446	0.479	0.597	0.659	0.667	0.539	21.94
65)	RT	o-Xylene	0.376	0.450	0.468	0.567	0.634	0.638	0.522	20.56
66)	RT	Styrene	0.637	0.699	0.766	0.971	1.111	1.113	0.883	23.80
67)	t	Bromoform	0.118	0.130	0.141	0.158	0.182	0.185	0.152	18.11
68)	S	1,2-Dichlorobe...	0.391	0.427	0.421	0.448	0.479	0.500	0.444	9.01
69)	T	Isopropylbenzene	1.017	1.112	1.203	1.474	1.662	1.697	1.361	21.34
70)	T	1,1,2,2-Tetrac...	0.263	0.303	0.308	0.330	0.362	0.357	0.321	11.55
71)	T	1,2,3-Trichlor...	0.198	0.217	0.216	0.221	0.247	0.271	0.229	11.50
72)	t	Bromobenzene	0.287	0.300	0.321	0.367	0.410	0.411	0.349	15.57
73)	t	n-propylbenzene	0.265	0.305	0.336	0.422	0.474	0.479	0.380	23.88
74)	t	2-Chlorotoluene	0.258	0.301	0.311	0.360	0.408	0.408	0.341	18.04
75)	t	1,3,5-Trimethy...	0.829	0.934	1.028	1.298	1.495	1.503	1.181	24.67
76)	t	4-Chlorotoluene	0.258	0.307	0.325	0.393	0.444	0.447	0.363	21.42
77)	t	tert-Butylbenzene	0.852	0.967	1.020	1.272	1.452	1.494	1.176	22.79
78)	t	1,2,4-Trimethy...	0.851	0.948	1.070	1.304	1.515	1.539	1.205	24.25
79)	t	sec-Butylbenzene	1.137	1.282	1.415	1.734	1.981	2.024	1.595	23.34
80)		Nitrobenzene	0.004	0.005	0.007	0.008	0.010	0.010	0.007	36.29
81)	t	p-Isopropyltol...	0.855	1.023	1.138	1.443	1.680	1.710	1.308	27.20
82)	t	1,3-Dichlorobe...	0.538	0.610	0.631	0.753	0.830	0.840	0.700	17.90
83)	Rt	1,4-Dichlorobe...	0.535	0.600	0.642	0.755	0.841	0.855	0.705	18.76
84)	t	n-Butylbenzene	0.830	0.949	1.066	1.357	1.604	1.648	1.242	27.78
85)	Rt	1,2-Dichlorobe...	0.549	0.612	0.638	0.740	0.834	0.848	0.703	17.51
86)	t	1,2-Dibromo-3-...	0.034	0.032	0.042	0.055	0.062	0.060	0.048	28.16
87)	Rt	1,2,4-Trichlor...	0.322	0.356	0.389	0.463	0.548	0.563	0.440	22.92
88)	t	Hexachlorobuta...	0.196	0.216	0.225	0.263	0.284	0.285	0.245	15.36
89)	t	Naphthalene		0.607	0.673	0.856	1.059	1.098	0.859	25.73
90)	t	1,2,3-Trichlor...	0.338	0.354	0.362	0.452	0.520	0.530	0.426	20.27

 (#) = Out of Range