

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y052725S.M
 Title : SW846 8260
 Last Update : Wed May 28 10:34:06 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY022421.D 10 =VY022422.D 20 =VY022423.D 50 =VY022424.D 100 =VY022425.D 150 =VY022426.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.544	0.509	0.526	0.423	0.430	0.429	0.477	11.57
3) P	Chloromethane	1.364	1.331	1.300	1.196	0.936	0.912	1.173	17.14
4) C	Vinyl Chloride	1.535	1.493	1.522	1.453	1.292	1.257	1.425	8.46#
5) T	Bromomethane	1.261	1.281	1.397	1.275	1.213	1.345	1.295	5.05
6) T	Chloroethane	0.930	0.881	0.949	1.015	0.907	0.907	0.931	5.04
7) T	Trichlorofluor...	1.243	1.174	1.222	1.197	1.187	1.193	1.203	2.11
8) T	Diethyl Ether	0.276	0.274	0.271	0.277	0.285	0.281	0.277	1.77
9) T	1,1,2-Trichlor...	0.552	0.517	0.541	0.520	0.523	0.512	0.528	2.94
10) T	Methyl Iodide	0.494	0.524	0.604	0.647	0.666	0.637	0.595	11.82
11) T	Tert butyl alc...	0.037	0.038	0.036	0.036	0.038	0.038	0.037	3.17
12) CM	1,1-Dichloroet...	0.552	0.512	0.533	0.511	0.520	0.515	0.524	3.03#
13) T	Acrolein	0.052	0.054	0.056	0.057	0.059	0.057	0.056	4.54
14) T	Allyl chloride	0.785	0.752	0.796	0.786	0.801	0.809	0.788	2.53
15) T	Acrylonitrile	0.107	0.110	0.109	0.111	0.118	0.116	0.112	3.78
16) T	Acetone	0.094	0.090	0.081	0.085	0.086	0.083	0.087	5.57
17) T	Carbon Disulfide	1.672	1.675	1.707	1.653	1.672	1.650	1.672	1.22
18) T	Methyl Acetate	0.288	0.319	0.296	0.308	0.351	0.383	0.324	11.15
19) T	Methyl tert-bu...	1.353	1.359	1.357	1.386	1.445	1.445	1.391	3.14
20) T	Methylene Chlo...	0.778	0.669	0.578	0.549	0.550	0.543	0.611	15.46
21) T	trans-1,2-Dich...	0.595	0.556	0.555	0.561	0.582	0.582	0.572	2.94
22) T	Diisopropyl ether	1.710	1.697	1.732	1.726	1.781	1.789	1.739	2.18
23) T	Vinyl Acetate	0.970	0.955	0.997	1.004	1.035	1.030	0.999	3.19
24) P	1,1-Dichloroet...	1.000	0.986	1.035	1.027	1.062	1.056	1.028	2.95
25) T	2-Butanone	0.137	0.144	0.136	0.142	0.152	0.154	0.144	5.16
26) T	2,2-Dichloropr...	0.937	0.900	0.937	0.921	0.948	0.940	0.931	1.86
27) T	cis-1,2-Dichlo...	0.655	0.647	0.650	0.652	0.684	0.685	0.662	2.62
28) T	Bromochloromet...	0.400	0.426	0.435	0.438	0.439	0.437	0.429	3.54
29) T	Tetrahydrofuran	0.095	0.094	0.092	0.095	0.100	0.101	0.096	3.74
30) C	Chloroform	0.966	0.970	1.023	1.026	1.052	1.038	1.013	3.54#
31) T	Cyclohexane	1.220	1.044	0.997	0.939	0.947	0.931	1.013	10.90
32) T	1,1,1-Trichlor...	0.900	0.894	0.916	0.913	0.952	0.940	0.919	2.48
33) S	1,2-Dichloroet...	0.507	0.525	0.517	0.532	0.541	0.538	0.527	2.51
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.287	0.281	0.283	0.290	0.309	0.308	0.293	4.26
36) T	1,1-Dichloropr...	0.472	0.437	0.455	0.460	0.483	0.481	0.465	3.77
37) T	Ethyl Acetate	0.197	0.186	0.192	0.200	0.208	0.202	0.197	3.90
38) T	Carbon Tetrach...	0.473	0.456	0.471	0.481	0.510	0.512	0.484	4.71
39) T	Methylcyclohexane	0.611	0.602	0.603	0.614	0.638	0.636	0.618	2.58
40) TM	Benzene	1.308	1.312	1.360	1.391	1.463	1.461	1.383	4.99
41) T	Methacrylonitrile	0.122	0.108	0.112	0.117	0.128	0.132	0.120	7.79
42) TM	1,2-Dichloroet...	0.348	0.348	0.360	0.369	0.383	0.384	0.365	4.48
43) T	Isopropyl Acetate	0.402	0.419	0.420	0.436	0.459	0.453	0.432	5.03
44) TM	Trichloroethene	0.334	0.325	0.344	0.343	0.357	0.347	0.342	3.26
45) C	1,2-Dichloropr...	0.321	0.307	0.318	0.323	0.342	0.339	0.325	4.03#
46) T	Dibromomethane	0.180	0.170	0.174	0.182	0.191	0.193	0.181	5.11
47) T	Bromodichlorom...	0.452	0.449	0.449	0.464	0.493	0.494	0.467	4.55
48) T	Methyl methacr...	0.185	0.185	0.192	0.200	0.217	0.223	0.200	8.06
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	7.02
50) S	Toluene-d8	1.159	1.133	1.168	1.176	1.274	1.251	1.194	4.68
51) T	4-Methyl-2-Pen...	0.185	0.197	0.198	0.218	0.237	0.242	0.213	10.84
52) CM	Toluene	0.782	0.805	0.842	0.868	0.929	0.957	0.864	7.95#
53) T	t-1,3-Dichloro...	0.400	0.414	0.416	0.434	0.472	0.473	0.435	7.13
54) T	cis-1,3-Dichlo...	0.477	0.480	0.504	0.508	0.549	0.547	0.511	6.09
55) T	1,1,2-Trichlor...	0.219	0.216	0.226	0.229	0.243	0.243	0.229	5.06
56) T	Ethyl methacry...	0.280	0.305	0.315	0.340	0.365	0.369	0.329	10.69

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57)	T	1,3-Dichloropr...	0.379	0.388	0.402	0.405	0.428	0.424	0.404	4.77
58)	T	2-Chloroethyl ...	0.143	0.152	0.153	0.167	0.184	0.186	0.164	10.75
59)	T	2-Hexanone	0.121	0.125	0.129	0.145	0.157	0.159	0.140	11.95
60)	T	Dibromochlorom...	0.258	0.274	0.284	0.302	0.320	0.321	0.293	8.68
61)	T	1,2-Dibromoethane	0.199	0.189	0.207	0.215	0.223	0.225	0.210	6.76
62)	S	4-Bromofluorob...	0.377	0.331	0.345	0.355	0.382	0.376	0.361	5.73
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.433	0.417	0.433	0.429	0.429	0.413	0.426	2.06
65)	PM	Chlorobenzene	1.020	1.000	1.051	1.067	1.132	1.127	1.066	5.11
66)	T	1,1,1,2-Tetrac...	0.326	0.328	0.350	0.369	0.392	0.402	0.361	8.94
67)	C	Ethyl Benzene	1.823	1.828	1.920	1.980	2.142	2.185	1.980	7.81#
68)	T	m/p-Xylenes	0.698	0.660	0.723	0.756	0.825	0.841	0.751	9.51
69)	T	o-Xylene	0.654	0.637	0.673	0.709	0.768	0.792	0.705	8.93
70)	T	Styrene	1.037	1.020	1.117	1.197	1.317	1.359	1.175	12.09
71)	P	Bromoform	0.169	0.176	0.184	0.192	0.206	0.210	0.189	8.64
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.863	3.741	3.946	3.871	4.105	4.086	3.935	3.57
74)	T	N-amyl acetate	0.883	0.878	0.942	1.000	1.050	1.025	0.963	7.64
75)	P	1,1,2,2-Tetrac...	0.623	0.574	0.604	0.615	0.652	0.653	0.620	4.83
76)	T	1,2,3-Trichlor...	0.469	0.528	0.498	0.491	0.507	0.511	0.501	3.96
77)	T	Bromobenzene	0.804	0.812	0.858	0.851	0.872	0.885	0.847	3.84
78)	T	n-propylbenzene	4.586	4.467	4.728	4.709	4.952	4.893	4.723	3.86
79)	T	2-Chlorotoluene	2.557	2.426	2.525	2.518	2.664	2.649	2.556	3.48
80)	T	1,3,5-Trimethy...	2.917	2.870	3.066	3.079	3.258	3.258	3.075	5.33
81)	T	trans-1,4-Dich...	0.215	0.213	0.220	0.215	0.230	0.236	0.221	4.25
82)	T	4-Chlorotoluene	2.528	2.463	2.651	2.619	2.773	2.763	2.633	4.70
83)	T	tert-Butylbenzene	2.751	2.560	2.775	2.756	2.918	2.909	2.778	4.70
84)	T	1,2,4-Trimethy...	2.908	2.856	3.038	3.114	3.306	3.342	3.094	6.49
85)	T	sec-Butylbenzene	4.035	3.787	4.069	4.142	4.356	4.331	4.120	5.11
86)	T	p-Isopropyltol...	3.194	3.073	3.336	3.471	3.764	3.804	3.440	8.66
87)	T	1,3-Dichlorobe...	1.587	1.558	1.674	1.695	1.836	1.874	1.704	7.53
88)	T	1,4-Dichlorobe...	1.596	1.527	1.617	1.642	1.707	1.687	1.629	4.01
89)	T	n-Butylbenzene	3.091	2.854	3.188	3.331	3.443	3.447	3.226	7.14
90)	T	Hexachloroethane	0.679	0.637	0.680	0.689	0.717	0.706	0.685	4.04
91)	T	1,2-Dichlorobe...	1.383	1.332	1.431	1.416	1.495	1.482	1.423	4.29
92)	T	1,2-Dibromo-3-...	0.103	0.093	0.096	0.093	0.093	0.096	0.096	3.80
93)	T	1,2,4-Trichlor...	0.714	0.724	0.771	0.828	0.842	0.856	0.789	7.81
94)	T	Hexachlorobuta...	0.425	0.371	0.397	0.424	0.436	0.432	0.414	6.09
95)	T	Naphthalene	1.236	1.295	1.376	1.554	1.619	1.671	1.459	12.38
96)	T	1,2,3-Trichlor...	0.575	0.554	0.644	0.684	0.703	0.722	0.647	10.66

(#) = Out of Range