Response Factor Report 7890

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
Method File : 82N112718W.M
Title : SW846 8260
Last Update : Mon Dec 03 02:37:00 2018
Response Via : Initial Calibration

Calibration Files
1 =VN052467.D 5 =VN052468.D 20 =VN052469.D
50 =VN052470.D 100 =VN052471.D 150 =VN052472.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------	ISTD	----------					
2)	T	Dichlorodifluorom	0.487	0.487	0.463	0.453	0.457	0.462	0.468	3.16
3)	P	Chloromethane	0.632	0.626	0.606	0.613	0.615	0.616	0.618	1.53
4)	C	Vinyl Chloride	0.656	0.638	0.628	0.625	0.630	0.633	0.635	1.81#
5)	T	Bromomethane	0.465	0.433	0.367	0.359	0.375	0.378	0.396	10.79
6)	T	Chloroethane	0.407	0.399	0.379	0.374	0.373	0.375	0.385	3.88
7)	T	Trichlorofluorome	0.782	0.806	0.775	0.766	0.770	0.779	0.780	1.80
8)	T	Diethyl Ether	0.262	0.288	0.287	0.289	0.298	0.304	0.288	5.05
9)	T	1,1,2-Trichlorotr	0.489	0.506	0.479	0.476	0.482	0.487	0.487	2.22
10)	T	Methyl Iodide		0.515	0.610	0.673	0.707	0.735	0.648	13.52
11)	T	Tert butyl alcoho		0.026	0.024	0.027	0.027	0.032	0.027	10.05
12)	CM	1,1-Dichloroethen	0.456	0.482	0.463	0.465	0.465	0.479	0.468	2.17#
13)	T	Acrolein		0.045	0.043	0.046	0.049	0.054	0.047	8.98
14)	T	Allyl chloride	0.733	0.799	0.800	0.838	0.801	0.872	0.807	5.74
15)	T	Acrylonitrile	0.146	0.168	0.172	0.177	0.181	0.192	0.173	8.98
16)	T	Acetone	0.159	0.141	0.140	0.143	0.136	0.143	0.144	5.55
17)	T	Carbon Disulfide	1.564	1.459	1.412	1.440	1.470	1.499	1.474	3.58
18)	T	Methyl Acetate	0.385	0.394	0.404	0.406	0.423	0.458	0.412	6.36
19)	T	Methyl tert-butyl	1.132	1.213	1.231	1.249	1.292	1.360	1.246	6.15
20)	T	Methylene Chlorid	0.661	0.569	0.535	0.536	0.534	0.538	0.562	8.93
21)	T	trans-1,2-Dichlor	0.476	0.514	0.488	0.505	0.504	0.514	0.500	3.08
22)	T	Diisopropyl ether	1.603	1.677	1.700	1.714	1.732	1.749	1.696	3.06
23)	T	Vinyl Acetate	0.889	0.985	1.038	1.082	1.140	1.202	1.056	10.56
24)	P	1,1-Dichloroethan	0.932	0.978	0.962	0.973	0.976	0.988	0.968	2.04
25)	T	2-Butanone		0.182	0.199	0.201	0.207	0.208	0.224	0.204	6.74
26)	T	2,2-Dichloropropa	0.657	0.644	0.650	0.671	0.691	0.707	0.670	3.67
27)	T	cis-1,2-Dichloroe	0.608	0.573	0.565	0.578	0.582	0.590	0.583	2.56
28)	T	Bromochloromethan	0.421	0.444	0.440	0.445	0.454	0.449	0.442	2.60
29)	T	Tetrahydrofuran	0.118	0.126	0.130	0.132	0.135	0.146	0.131	6.96
30)	C	Chloroform	1.081	0.971	0.935	0.936	0.935	0.938	0.966	6.03#
31)	T	Cyclohexane	1.708	1.063	0.936	0.931	0.924	0.938	1.083	28.68
32)	T	1,1,1-Trichloroet	0.746	0.756	0.751	0.765	0.779	0.795	0.765	2.42
33)	S	1,2-Dichloroethan		0.536	0.521	0.552	0.553	0.559	0.544	2.83
34)	I	1,4-Difluorobenzene	----------	ISTD	----------					
35)	S	Dibromofluorometh		0.306	0.295	0.311	0.315	0.313	0.308	2.65
36)	T	1,1-Dichloroprope	0.478	0.466	0.460	0.469	0.481	0.479	0.472	1.79
37)	T	Ethyl Acetate	0.284	0.278	0.278	0.282	0.295	0.311	0.288	4.46
38)	T	Carbon Tetrachlor	0.420	0.424	0.414	0.425	0.440	0.441	0.427	2.50
39)	T	Methylcyclohexane	0.563	0.555	0.564	0.574	0.592	0.595	0.574	2.84
40)	TM	Benzene	1.375	1.409	1.399	1.409	1.432	1.420	1.407	1.39
41)	T	Methacrylonitrile	0.141	0.149	0.149	0.166	0.172	0.168	0.158	8.04
42)	TM	1,2-Dichloroethan	0.425	0.414	0.426	0.426	0.432	0.434	0.426	1.65
43)	T	Isopropyl Acetate	0.441	0.450	0.469	0.485	0.525	0.555	0.488	9.13
44)	TM	Trichloroethene	0.363	0.356	0.354	0.358	0.366	0.366	0.360	1.41
45)	C	1,2-Dichloropropa	0.362	0.374	0.371	0.373	0.383	0.382	0.374	2.05#
46)	T	Dibromomethane	0.191	0.204	0.211	0.208	0.215	0.214	0.207	4.15
47)	T	Bromodichlorometh	0.442	0.436	0.442	0.449	0.465	0.467	0.450	2.89
48)	T	Methyl methacryla	0.241	0.226	0.242	0.255	0.271	0.290	0.254	9.07
49)	T	1,4-Dioxane	0.002	0.003	0.003	0.003	0.002	0.003	0.003	7.74
50)	S	Toluene-d8		1.171	1.128	1.229	1.245	1.228	1.200	4.11
51)	T	4-Methyl-2-Pentan	0.230	0.262	0.271	0.280	0.292	0.307	0.274	9.69
52)	CM	Toluene	0.775	0.819	0.832	0.854	0.875	0.862	0.836	4.33#

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		Compound	1	5	20	50	100	150	Avg	%RSD
53)	T	t-1,3-Dichloropro	0.362	0.390	0.414	0.447	0.485	0.501	0.433	12.56
54)	T	cis-1,3-Dichlorop	0.451	0.485	0.507	0.533	0.565	0.574	0.519	9.11
55)	T	1,1,2-Trichloroet	0.267	0.295	0.296	0.294	0.304	0.307	0.294	4.84
56)	T	Ethyl methacrylat	0.272	0.324	0.355	0.379	0.411	0.431	0.362	16.18
57)	T	1,3-Dichloropropa	0.487	0.519	0.519	0.519	0.534	0.538	0.519	3.45
58)	T	2-Chloroethyl Vin	0.167	0.196	0.220	0.218	0.235	0.245	0.213	13.26
59)	T	2-Hexanone	0.147	0.171	0.182	0.192	0.199	0.210	0.184	12.29
60)	T	Dibromochlorometh	0.287	0.302	0.311	0.326	0.341	0.350	0.319	7.47
61)	T	1,2-Dibromoethane	0.267	0.286	0.286	0.292	0.307	0.314	0.292	5.79
62)	S	4-Bromofluorobenz		0.374	0.366	0.415	0.433	0.429	0.403	7.77
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.426	0.401	0.378	0.376	0.376	0.368	0.388	5.61
65)	PM	Chlorobenzene	1.011	1.031	1.015	1.030	1.050	1.049	1.031	1.59
66)	T	1,1,1,2-Tetrachlo	0.351	0.355	0.348	0.360	0.368	0.371	0.358	2.57
67)	C	Ethyl Benzene	1.702	1.781	1.787	1.821	1.875	1.867	1.805	3.55#
68)	T	m/p-Xylenes	0.626	0.648	0.668	0.687	0.707	0.697	0.672	4.57
69)	T	o-Xylene	0.604	0.630	0.654	0.666	0.684	0.678	0.653	4.68
70)	T	Styrene	0.878	0.989	1.034	1.086	1.128	1.121	1.040	9.16
71)	P	Bromoform	0.201	0.218	0.234	0.244	0.257	0.269	0.237	10.51
72)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
73)	T	Isopropylbenzene	4.117	4.082	3.946	3.848	3.804	3.740	3.923	3.89
74)	T	N-amyl acetate	0.862	0.911	0.957	1.003	1.074	1.139	0.991	10.38
75)	P	1,1,2,2-Tetrachlo	0.916	0.944	0.892	0.860	0.861	0.881	0.892	3.71
76)	T	1,2,3-Trichloropr	0.840	0.875	0.773	0.726	0.693	0.720	0.771	9.40
77)	T	Bromobenzene	1.021	1.015	0.963	0.946	0.938	0.935	0.970	4.00
78)	T	n-propylbenzene	4.347	4.551	4.506	4.467	4.463	4.405	4.456	1.63
79)	T	2-Chlorotoluene	2.767	2.780	2.678	2.593	2.566	2.539	2.654	3.91
80)	T	1,3,5-Trimethylbe	3.073	3.206	3.209	3.119	3.101	3.064	3.129	2.05
81)	T	trans-1,4-Dichlor	0.186	0.215	0.217	0.235	0.255	0.277	0.231	14.00
82)	T	4-Chlorotoluene	2.715	2.768	2.677	2.661	2.623	2.605	2.675	2.24
83)	T	tert-Butylbenzene	2.888	2.954	2.813	2.711	2.698	2.672	2.789	4.11
84)	T	1,2,4-Trimethylbe	2.943	3.206	3.203	3.151	3.166	3.143	3.135	3.12
85)	T	sec-Butylbenzene	3.759	3.935	3.822	3.767	3.761	3.748	3.799	1.89
86)	T	p-Isopropyltoluen	3.150	3.204	3.271	3.233	3.274	3.282	3.236	1.58
87)	T	1,3-Dichlorobenze	1.722	1.709	1.690	1.666	1.699	1.691	1.696	1.13
88)	T	1,4-Dichlorobenze	1.735	1.664	1.643	1.649	1.668	1.665	1.671	1.98
89)	T	n-Butylbenzene	2.291	2.545	2.684	2.796	2.890	2.940	2.691	9.01
90)	T	Hexachloroethane	0.545	0.551	0.536	0.537	0.551	0.566	0.548	2.03
91)	T	1,2-Dichlorobenze	1.677	1.632	1.615	1.606	1.610	1.583	1.620	1.98
92)	T	1,2-Dibromo-3-Chl	0.121	0.122	0.120	0.128	0.134	0.142	0.128	6.80
93)	T	1,2,4-Trichlorobe	0.569	0.612	0.743	0.836	0.902	0.935	0.766	19.79
94)	T	Hexachlorobutadie	0.574	0.546	0.519	0.490	0.503	0.496	0.521	6.25
95)	T	Naphthalene	1.119	1.174	1.536	1.747	1.902	2.014	1.582	23.64
96)	T	1,2,3-Trichlorobe	0.558	0.574	0.717	0.760	0.823	0.861	0.716	17.64

(#) = Out of Range