

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y100924S.M
 Title : SW846 8260
 Last Update : Thu Oct 10 05:30:07 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY019827.D 10 =VY019828.D 20 =VY019829.D 50 =VY019830.D 100 =VY019831.D 150 =VY019832.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.07
3) P	Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.80
4) C	Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8.02#
5) T	Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.42
6) T	Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.94
7) T	Trichlorofluor...	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.69
8) T	Diethyl Ether	0.317	0.304	0.268	0.314	0.284	0.322	0.301	6.96
9) T	1,1,2-Trichlor...	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.82
10) T	Methyl Iodide	0.569	0.584	0.518	0.633	0.569	0.628	0.584	7.29
11) T	Tert butyl alc...	0.082	0.061	0.057	0.050	0.047	0.048	0.058	22.92
12) CM	1,1-Dichloroet...	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.39#
13) T	Acrolein	0.061	0.049	0.046	0.040	0.036	0.040	0.045	19.69
14) T	Allyl chloride	1.054	0.975	0.843	1.011	0.902	1.022	0.968	8.28
15) T	Acrylonitrile	0.154	0.136	0.119	0.143	0.132	0.143	0.138	8.58
16) T	Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.95
17) T	Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	9.95
18) T	Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.74
19) T	Methyl tert-bu...	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.78
20) T	Methylene Chlo...	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.87
21) T	trans-1,2-Dich...	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.74
22) T	Diisopropyl ether	2.286	2.223	1.874	2.166	1.942	2.159	2.108	7.75
23) T	Vinyl Acetate	1.289	1.218	1.042	1.275	1.161	1.266	1.209	7.78
24) P	1,1-Dichloroet...	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.33
25) T	2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.18
26) T	2,2-Dichloropr...	1.228	1.071	0.911	1.045	0.945	1.062	1.044	10.70
27) T	cis-1,2-Dichlo...	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.23
28) T	Bromochloromet...	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.47
29) T	Tetrahydrofuran	0.140	0.120	0.105	0.128	0.118	0.125	0.122	9.65
30) C	Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.14#
31) T	Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.76
32) T	1,1,1-Trichlor...	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.85
33) S	1,2-Dichloroet...	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.48
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.77
36) T	1,1-Dichloropr...	0.514	0.464	0.415	0.496	0.455	0.509	0.475	7.98
37) T	Ethyl Acetate	0.270	0.238	0.217	0.258	0.247	0.258	0.248	7.60
38) T	Carbon Tetrach...	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.54
39) T	Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.64
40) TM	Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.58
41) T	Methacrylonitrile	0.126	0.120	0.123	0.156	0.129	0.151	0.134	11.38
42) TM	1,2-Dichloroet...	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.28
43) T	Isopropyl Acetate	0.547	0.491	0.436	0.524	0.496	0.538	0.505	8.05
44) TM	Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.65
45) C	1,2-Dichloropr...	0.390	0.375	0.321	0.366	0.337	0.371	0.360	7.13#
46) T	Dibromomethane	0.220	0.190	0.174	0.204	0.188	0.205	0.197	8.23
47) T	Bromodichlorom...	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.36
48) T	Methyl methacr...	0.221	0.201	0.189	0.237	0.228	0.258	0.222	11.21
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.76
50) S	Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.86
51) T	4-Methyl-2-Pen...	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.66
52) CM	Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.54#
53) T	t-1,3-Dichloro...	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.55
54) T	cis-1,3-Dichlo...	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.30
55) T	1,1,2-Trichlor...	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.93
56) T	Ethyl methacry...	0.376	0.330	0.316	0.403	0.381	0.426	0.372	11.38

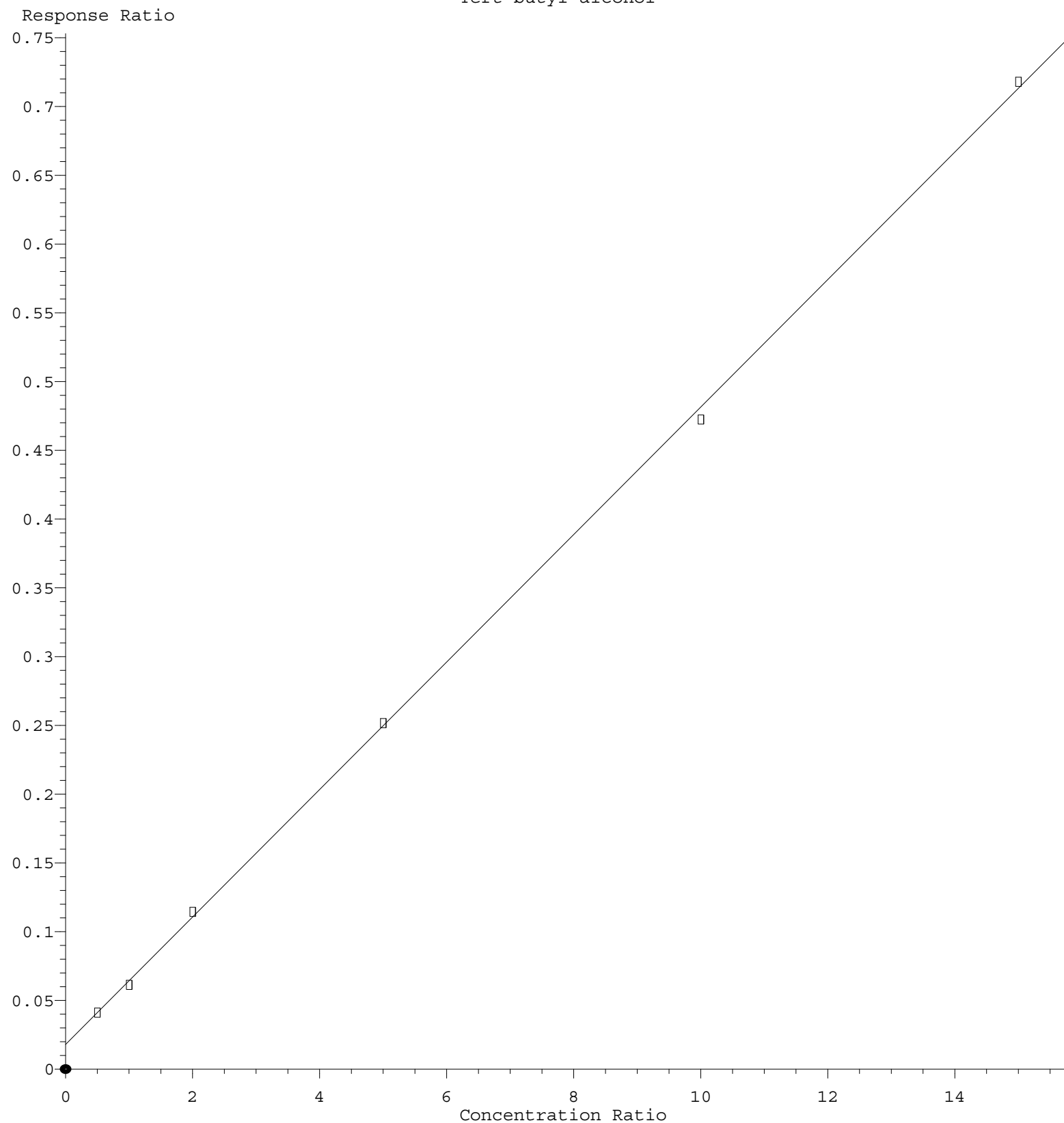
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57)	T	1,3-Dichloropr...	0.481	0.460	0.400	0.474	0.439	0.476	0.455	6.77
58)	T	2-Chloroethyl ...	0.179	0.168	0.164	0.171	0.176	0.182	0.173	4.02
59)	T	2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.12
60)	T	Dibromochlorom...	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.47
61)	T	1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.70
62)	S	4-Bromofluorob...	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.41
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.55
65)	PM	Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.79
66)	T	1,1,1,2-Tetrac...	0.409	0.386	0.350	0.398	0.366	0.414	0.387	6.47
67)	C	Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.73#
68)	T	m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.47
69)	T	o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.15
70)	T	Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.30
71)	P	Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.74
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.75
74)	T	N-amyl acetate	1.098	1.055	0.965	1.174	1.123	1.269	1.114	9.30
75)	P	1,1,2,2-Tetrac...	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7.05
76)	T	1,2,3-Trichlor...	0.596	0.495	0.526	0.507	0.478	0.523	0.521	7.84
77)	T	Bromobenzene	0.945	0.920	0.784	0.913	0.841	0.952	0.892	7.41
78)	T	n-propylbenzene	5.289	5.250	4.615	5.213	4.752	5.371	5.082	6.22
79)	T	2-Chlorotoluene	3.136	3.010	2.606	2.975	2.688	3.066	2.913	7.39
80)	T	1,3,5-Trimethy...	3.576	3.494	3.067	3.470	3.180	3.593	3.396	6.47
81)	T	trans-1,4-Dich...	0.244	0.233	0.206	0.251	0.242	0.280	0.243	10.01
82)	T	4-Chlorotoluene	3.184	3.129	2.650	3.029	2.749	3.132	2.979	7.53
83)	T	tert-Butylbenzene	3.236	3.178	2.709	3.100	2.829	3.204	3.043	7.22
84)	T	1,2,4-Trimethy...	3.532	3.450	3.024	3.466	3.155	3.578	3.367	6.66
85)	T	sec-Butylbenzene	4.798	4.743	4.008	4.719	4.218	4.791	4.546	7.55
86)	T	p-Isopropyltol...	3.923	3.757	3.275	3.810	3.460	3.923	3.691	7.19
87)	T	1,3-Dichlorobe...	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.15
88)	T	1,4-Dichlorobe...	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.77
89)	T	n-Butylbenzene	3.608	3.686	3.180	3.827	3.415	3.912	3.605	7.51
90)	T	Hexachloroethane	0.730	0.732	0.616	0.739	0.692	0.804	0.719	8.62
91)	T	1,2-Dichlorobe...	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.26
92)	T	1,2-Dibromo-3-...	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.66
93)	T	1,2,4-Trichlor...	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.80
94)	T	Hexachlorobuta...	0.502	0.489	0.423	0.529	0.472	0.548	0.494	8.97
95)	T	Naphthalene	1.486	1.440	1.390	1.845	1.806	2.082	1.675	16.55
96)	T	1,2,3-Trichlor...	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.53

(#) = Out of Range

Tert butyl alcohol



Response = $4.638 \times 10^{-2} \times \text{Amt} + 1.751 \times 10^{-2}$
 Coef of Det (r^2) = 0.999639 Curve Fit: Linear
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 Calibration Table Last Updated: Thu Oct 10 05:30:07 2024