

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y081225S.M
 Title : SW846 8260
 Last Update : Wed Aug 13 02:10:11 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY023050.D 10 =VY023051.D 20 =VY023052.D 50 =VY023053.D 100 =VY023054.D 150 =VY023055.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.79
3) P	Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9.01
4) C	Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.29#
5) T	Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.52
6) T	Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.19
7) T	Trichlorofluor...	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.68
8) T	Diethyl Ether	0.271	0.276	0.271	0.251	0.245	0.264	0.263	4.69
9) T	1,1,2-Trichlor...	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7.01
10) T	Methyl Iodide	0.468	0.491	0.539	0.549	0.564	0.563	0.529	7.57
11) T	Tert butyl alc...	0.033	0.037	0.033	0.032	0.029	0.033	0.033	7.44
12) CM	1,1-Dichloroet...	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.38#
13) T	Acrolein	0.048	0.055	0.050	0.045	0.043	0.046	0.048	8.57
14) T	Allyl chloride	0.734	0.718	0.724	0.686	0.681	0.712	0.709	3.01
15) T	Acrylonitrile	0.101	0.114	0.112	0.106	0.100	0.109	0.107	5.51
16) T	Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.89
17) T	Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.30
18) T	Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.37
19) T	Methyl tert-bu...	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.09
20) T	Methylene Chlo...	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.69
21) T	trans-1,2-Dich...	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.28
22) T	Diisopropyl ether	1.442	1.565	1.609	1.512	1.510	1.605	1.541	4.21
23) T	Vinyl Acetate	0.790	0.875	0.875	0.841	0.830	0.899	0.852	4.62
24) P	1,1-Dichloroet...	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.15
25) T	2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.51
26) T	2,2-Dichloropr...	0.837	0.830	0.844	0.790	0.776	0.800	0.813	3.43
27) T	cis-1,2-Dichlo...	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.77
28) T	Bromochloromet...	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.88
29) T	Tetrahydrofuran	0.084	0.091	0.089	0.087	0.081	0.091	0.087	4.62
30) C	Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.81#
31) T	Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.35
32) T	1,1,1-Trichlor...	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.85
33) S	1,2-Dichloroet...	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.74
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.14
36) T	1,1-Dichloropr...	0.442	0.455	0.461	0.433	0.429	0.447	0.445	2.81
37) T	Ethyl Acetate	0.167	0.197	0.196	0.188	0.178	0.195	0.187	6.52
38) T	Carbon Tetrach...	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.08
39) T	Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.35
40) TM	Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.76
41) T	Methacrylonitrile	0.113	0.107	0.111	0.110	0.102	0.103	0.108	4.05
42) TM	1,2-Dichloroet...	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.59
43) T	Isopropyl Acetate	0.352	0.383	0.388	0.373	0.362	0.407	0.378	5.16
44) TM	Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.35
45) C	1,2-Dichloropr...	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.08#
46) T	Dibromomethane	0.166	0.189	0.187	0.178	0.176	0.190	0.181	5.14
47) T	Bromodichlorom...	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.47
48) T	Methyl methacr...	0.149	0.180	0.189	0.188	0.182	0.196	0.181	9.18
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.71
50) S	Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.92
51) T	4-Methyl-2-Pen...	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.67
52) CM	Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.28#
53) T	t-1,3-Dichloro...	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.47
54) T	cis-1,3-Dichlo...	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.54
55) T	1,1,2-Trichlor...	0.230	0.242	0.253	0.239	0.236	0.254	0.242	3.96
56) T	Ethyl methacry...	0.247	0.298	0.312	0.320	0.323	0.359	0.310	11.84

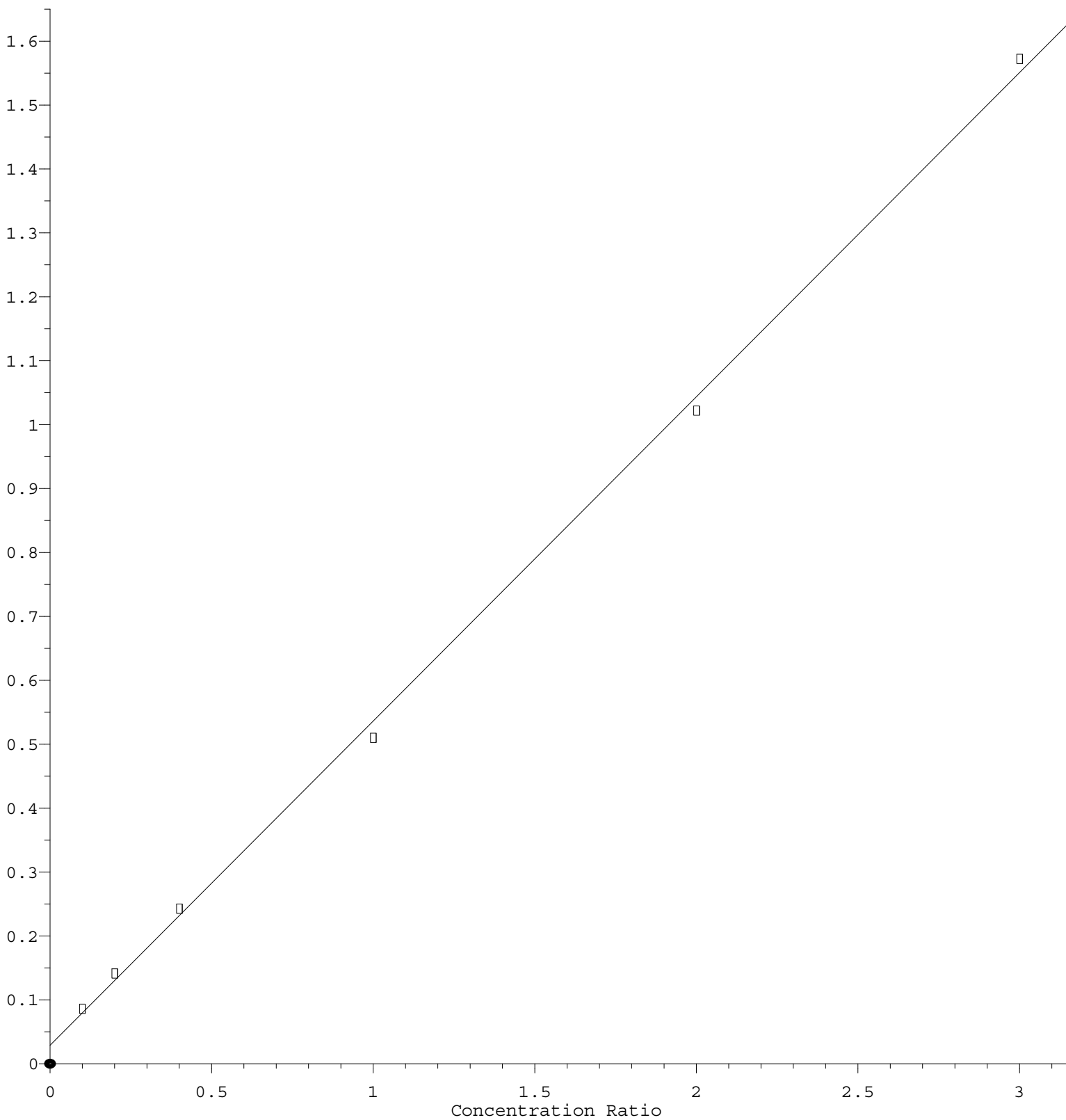
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57)	T	1,3-Dichloropr...	0.385	0.421	0.429	0.405	0.395	0.429	0.411	4.52
58)	T	2-Chloroethyl ...	0.114	0.135	0.144	0.155	0.158	0.171	0.146	13.68
59)	T	2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.57
60)	T	Dibromochlorom...	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.09
61)	T	1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.60
62)	S	4-Bromofluorob...	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.41
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.16
65)	PM	Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.55
66)	T	1,1,1,2-Tetrac...	0.347	0.360	0.378	0.362	0.365	0.384	0.366	3.58
67)	C	Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.56#
68)	T	m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.80
69)	T	o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.13
70)	T	Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	9.96
71)	P	Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5.03
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.36
74)	T	N-amyl acetate	0.633	0.738	0.757	0.767	0.756	0.840	0.748	8.89
75)	P	1,1,2,2-Tetrac...	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.20
76)	T	1,2,3-Trichlor...	0.551	0.483	0.472	0.535	0.409	0.444	0.483	11.18
77)	T	Bromobenzene	0.824	0.830	0.866	0.828	0.831	0.873	0.842	2.58
78)	T	n-propylbenzene	4.052	4.149	4.317	4.217	4.158	4.315	4.201	2.46
79)	T	2-Chlorotoluene	2.349	2.398	2.464	2.382	2.390	2.461	2.407	1.90
80)	T	1,3,5-Trimethy...	2.672	2.811	2.932	2.859	2.872	2.966	2.852	3.64
81)	T	trans-1,4-Dich...	0.181	0.215	0.203	0.197	0.190	0.210	0.199	6.43
82)	T	4-Chlorotoluene	2.427	2.486	2.600	2.462	2.460	2.548	2.497	2.59
83)	T	tert-Butylbenzene	2.428	2.481	2.626	2.588	2.630	2.702	2.576	3.98
84)	T	1,2,4-Trimethy...	2.596	2.760	2.955	2.837	2.894	2.993	2.839	5.12
85)	T	sec-Butylbenzene	3.637	3.749	3.881	3.773	3.781	3.882	3.784	2.42
86)	T	p-Isopropyltol...	2.878	2.978	3.241	3.167	3.230	3.350	3.141	5.66
87)	T	1,3-Dichlorobe...	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.46
88)	T	1,4-Dichlorobe...	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.35
89)	T	n-Butylbenzene	2.625	2.809	2.972	2.911	2.933	3.059	2.885	5.24
90)	T	Hexachloroethane	0.638	0.648	0.650	0.630	0.632	0.660	0.643	1.83
91)	T	1,2-Dichlorobe...	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.65
92)	T	1,2-Dibromo-3-...	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.27
93)	T	1,2,4-Trichlor...	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.43
94)	T	Hexachlorobuta...	0.533	0.506	0.522	0.491	0.480	0.504	0.506	3.85
95)	T	Naphthalene	1.204	1.364	1.462	1.488	1.500	1.791	1.468	13.14
96)	T	1,2,3-Trichlor...	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.73

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.073\text{e-}001 * \text{Amt} + 2.916\text{e-}002$$

Coef of Det (r^2) = 0.998910 Curve Fit: Linear

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Calibration Table Last Updated: Wed Aug 13 02:10:11 2025