

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y032725S.M
 Title : SW846 8260
 Last Update : Fri Mar 28 02:30:29 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY021656.D 10 =VY021657.D 20 =VY021658.D 50 =VY021659.D 100 =VY021660.D 150 =VY021661.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.38
3) P	Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.61
4) C	Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.48#
5) T	Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.90
6) T	Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.46
7) T	Trichlorofluor...	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.48
8) T	Diethyl Ether	0.332	0.309	0.284	0.275	0.256	0.266	0.287	9.95
9) T	1,1,2-Trichlor...	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.39
10) T	Methyl Iodide	0.567	0.581	0.610	0.655	0.631	0.620	0.611	5.34
11) T	Tert butyl alc...	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.48
12) CM	1,1-Dichloroet...	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.17#
13) T	Acrolein	0.069	0.070	0.064	0.063	0.059	0.061	0.064	7.03
14) T	Allyl chloride	0.897	0.866	0.803	0.837	0.814	0.801	0.836	4.60
15) T	Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.45
16) T	Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.31
17) T	Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.40
18) T	Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	10.97
19) T	Methyl tert-bu...	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.90
20) T	Methylene Chlo...	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.82
21) T	trans-1,2-Dich...	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.32
22) T	Diisopropyl ether	1.795	1.771	1.732	1.800	1.725	1.701	1.754	2.32
23) T	Vinyl Acetate	1.026	1.036	1.000	1.066	1.004	1.025	1.026	2.33
24) P	1,1-Dichloroet...	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.26
25) T	2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.91
26) T	2,2-Dichloropr...	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.63
27) T	cis-1,2-Dichlo...	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.34
28) T	Bromochloromet...	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.32
29) T	Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.06
30) C	Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.85#
31) T	Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.12
32) T	1,1,1-Trichlor...	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.31
33) S	1,2-Dichloroet...	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.53
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7.00
36) T	1,1-Dichloropr...	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.59
37) T	Ethyl Acetate	0.270	0.256	0.217	0.236	0.211	0.210	0.233	10.82
38) T	Carbon Tetrach...	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.89
39) T	Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.50
40) TM	Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.58
41) T	Methacrylonitrile	0.134	0.132	0.111	0.137	0.114	0.116	0.124	9.32
42) TM	1,2-Dichloroet...	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.15
43) T	Isopropyl Acetate	0.471	0.474	0.408	0.451	0.420	0.426	0.442	6.29
44) TM	Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.37
45) C	1,2-Dichloropr...	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.15#
46) T	Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.23
47) T	Bromodichlorom...	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6.02
48) T	Methyl methacr...	0.212	0.205	0.179	0.210	0.206	0.203	0.203	5.87
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.07
50) S	Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.12
51) T	4-Methyl-2-Pen...	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.93
52) CM	Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3.01#
53) T	t-1,3-Dichloro...	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.47
54) T	cis-1,3-Dichlo...	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.62
55) T	1,1,2-Trichlor...	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.92
56) T	Ethyl methacry...	0.287	0.309	0.314	0.366	0.356	0.359	0.332	9.82

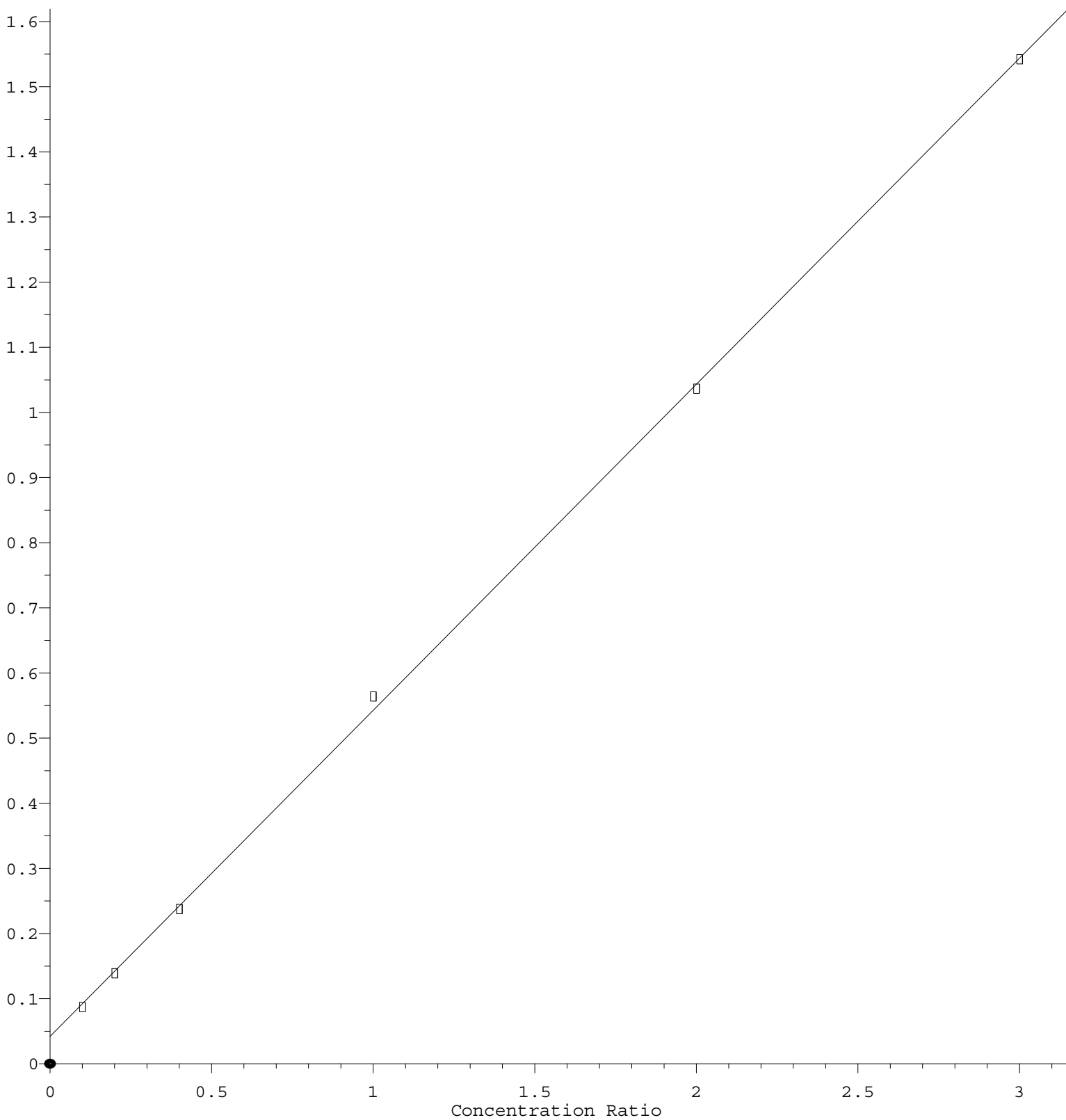
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57)	T	1,3-Dichloropr...	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.84
58)	T	2-Chloroethyl ...	0.142	0.153	0.151	0.180	0.173	0.172	0.162	9.22
59)	T	2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.25
60)	T	Dibromochlorom...	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.10
61)	T	1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.32
62)	S	4-Bromofluorob...	0.447	0.410	0.378	0.439	0.424	0.407	0.417	5.97
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.28
65)	PM	Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.26
66)	T	1,1,1,2-Tetrac...	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.67
67)	C	Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.93#
68)	T	m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.21
69)	T	o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.40
70)	T	Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.82
71)	P	Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.44
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.628	3.701	3.582	3.825	3.843	3.702	3.714	2.80
74)	T	N-amyl acetate	0.812	0.864	0.800	0.917	0.898	0.938	0.872	6.47
75)	P	1,1,2,2-Tetrac...	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.14
76)	T	1,2,3-Trichlor...	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.46
77)	T	Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.71
78)	T	n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.75
79)	T	2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	1.96
80)	T	1,3,5-Trimethy...	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3.01
81)	T	trans-1,4-Dich...	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.06
82)	T	4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.42
83)	T	tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.46
84)	T	1,2,4-Trimethy...	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.30
85)	T	sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.85
86)	T	p-Isopropyltol...	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.19
87)	T	1,3-Dichlorobe...	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.21
88)	T	1,4-Dichlorobe...	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.16
89)	T	n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.11
90)	T	Hexachloroethane	0.798	0.720	0.677	0.707	0.709	0.683	0.716	6.06
91)	T	1,2-Dichlorobe...	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.91
92)	T	1,2-Dibromo-3-...	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.58
93)	T	1,2,4-Trichlor...	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.65
94)	T	Hexachlorobuta...	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.51
95)	T	Naphthalene	1.153	1.208	1.258	1.508	1.505	1.616	1.375	13.94
96)	T	1,2,3-Trichlor...	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.06

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.006\text{e-}001 * \text{Amt} + 4.197\text{e-}002$$

Coef of Det (r^2) = 0.999666 Curve Fit: Linear

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Calibration Table Last Updated: Fri Mar 28 02:30:29 2025