

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N011425W.M
 Title : SW846 8260
 Last Update : Wed Jan 15 02:16:08 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN085443.D 5 =VN085442.D 10 =VN085441.D 20 =VN085440.D 50 =VN085439.D 100 =VN085438.D

D

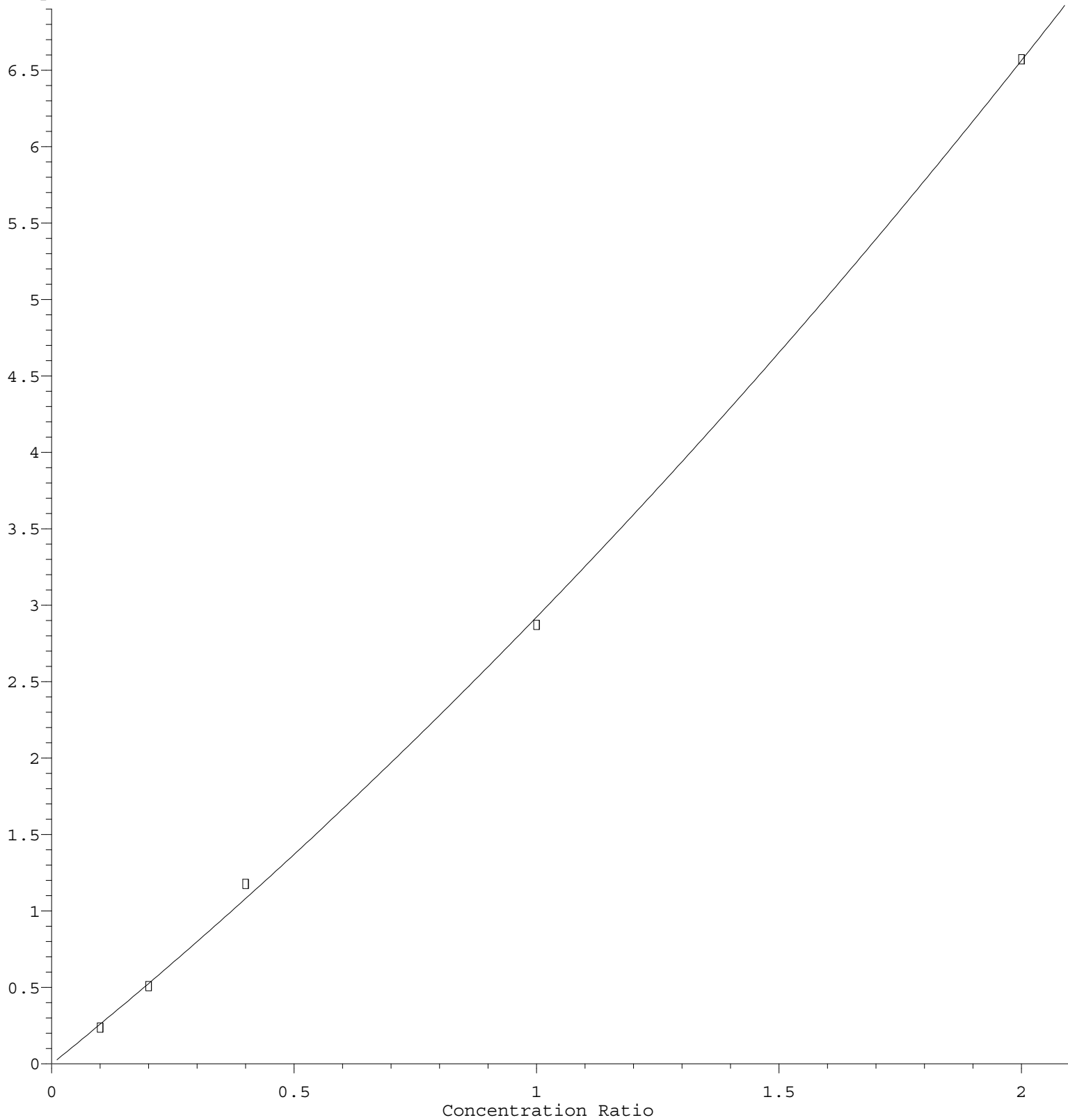
	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.714	0.708	0.667	0.681	0.629	0.664	0.677	4.59
3) P	Chloromethane	0.839	0.779	0.693	0.727	0.680	0.680	0.733	8.77
4) C	Vinyl Chloride	0.819	0.781	0.711	0.727	0.686	0.697	0.737	7.06#
5) T	Bromomethane	0.525	0.437	0.454	0.417	0.392	0.445		11.26
6) T	Chloroethane	0.542	0.505	0.429	0.468	0.424	0.435	0.467	10.27
7) T	Trichlorofluor...	1.157	1.077	1.040	1.097	0.997	1.046	1.069	5.14
8) T	Diethyl Ether	0.457	0.357	0.317	0.363	0.360	0.362	0.369	12.59
9) T	1,1,2-Trichlor...	0.646	0.639	0.587	0.609	0.542	0.590	0.602	6.35
10) T	Methyl Iodide	0.661	0.640	0.704	0.719	0.723	0.690		5.35
11) T	Tert butyl alc...	0.097	0.092	0.095	0.093	0.085	0.092		4.80
12) CM	1,1-Dichloroet...	0.497	0.559	0.526	0.556	0.533	0.548	0.537	4.31#
13) T	Acrolein	0.101	0.131	0.124	0.140	0.136	0.126		12.09
14) T	Allyl chloride	0.952	0.897	0.823	0.843	0.846	0.863	0.871	5.42
15) T	Acrylonitrile	0.298	0.299	0.275	0.303	0.298	0.289	0.294	3.39
16) T	Acetone	0.306	0.269	0.247	0.252	0.252	0.238	0.261	9.28
17) T	Carbon Disulfide	1.978	1.719	1.537	1.647	1.477	1.555	1.652	10.95
18) T	Methyl Acetate	0.871	0.810	0.779	0.758	0.790	0.751	0.793	5.54
19) T	Methyl tert-bu...	1.545	1.685	1.664	1.853	1.873	1.834	1.742	7.53
20) T	Methylene Chlo...	0.656	0.696	0.606	0.658	0.629	0.629	0.646	4.86
21) T	trans-1,2-Dich...	0.632	0.569	0.539	0.574	0.555	0.571	0.573	5.50
22) T	Diisopropyl ether	1.705	1.918	1.834	2.076	2.037	2.026	1.933	7.38
23) T	Vinyl Acetate	1.110	1.270	1.279	1.466	1.495	1.495	1.353	11.67
24) P	1,1-Dichloroet...	1.204	1.226	1.100	1.206	1.170	1.164	1.178	3.81
25) T	2-Butanone	0.386	0.387	0.363	0.398	0.390	0.378	0.384	3.12
26) T	2,2-Dichloropr...	0.930	0.986	0.922	0.985	0.936	0.958	0.953	2.96
27) T	cis-1,2-Dichlo...	0.655	0.669	0.639	0.715	0.683	0.691	0.675	4.02
28) T	Bromochloromet...	0.624	0.595	0.486	0.513	0.542	0.530	0.548	9.44
29) T	Tetrahydrofuran	0.221	0.236	0.233	0.261	0.260	0.248	0.243	6.58
30) C	Chloroform	1.273	1.253	1.169	1.241	1.175	1.197	1.218	3.59#
31) T	Cyclohexane	1.198	1.026	1.033	0.881	0.984	1.024		11.18
32) T	1,1,1-Trichlor...	1.102	1.148	1.000	1.091	1.016	1.053	1.068	5.24
33) S	1,2-Dichloroet...	0.914	0.762	0.754	0.831	0.774	0.807		8.28
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.373	0.310	0.335	0.358	0.359	0.347		7.10
36) T	1,1-Dichloropr...	0.509	0.490	0.441	0.499	0.462	0.521	0.487	6.17
37) T	Ethyl Acetate	0.504	0.520	0.452	0.488	0.488	0.496	0.491	4.66
38) T	Carbon Tetrach...	0.567	0.565	0.529	0.579	0.530	0.574	0.557	3.96
39) T	Methylcyclohexane	0.397	0.437	0.407	0.477	0.463	0.564	0.457	13.29
40) TM	Benzene	1.400	1.474	1.376	1.527	1.449	1.551	1.463	4.70
41) T	Methacrylonitrile	0.241	0.227	0.248	0.268	0.270	0.280	0.256	7.89
42) TM	1,2-Dichloroet...	0.517	0.574	0.522	0.575	0.547	0.569	0.551	4.78
43) T	Isopropyl Acetate	0.793	0.764	0.719	0.801	0.813	0.835	0.787	5.20
44) TM	Trichloroethene	0.352	0.343	0.310	0.352	0.324	0.362	0.341	5.79
45) C	1,2-Dichloropr...	0.371	0.388	0.334	0.388	0.371	0.390	0.374	5.69#
46) T	Dibromomethane	0.292	0.254	0.254	0.277	0.267	0.275	0.270	5.50
47) T	Bromodichlorom...	0.484	0.569	0.514	0.579	0.559	0.590	0.549	7.48
48) T	Methyl methacr...	0.311	0.326	0.321	0.369	0.392	0.406	0.354	11.37
49) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	0.006	6.72
50) S	Toluene-d8	1.274	1.076	1.207	1.267	1.339	1.232		8.07
51) T	4-Methyl-2-Pen...	0.380	0.443	0.432	0.495	0.492	0.499	0.457	10.33
52) CM	Toluene	0.690	0.835	0.808	0.919	0.870	0.964	0.848	11.27#
53) T	t-1,3-Dichloro...	0.416	0.527	0.481	0.544	0.551	0.594	0.519	11.98
54) T	cis-1,3-Dichlo...	0.450	0.538	0.527	0.601	0.588	0.623	0.554	11.40
55) T	1,1,2-Trichlor...	0.314	0.349	0.309	0.353	0.340	0.348	0.335	5.67

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56)	T	Ethyl methacry...	0.317	0.434	0.418	0.521	0.544	0.582	0.469	20.85
57)	T	1,3-Dichloropr...	0.514	0.584	0.555	0.618	0.602	0.627	0.583	7.31
58)	T	2-Chloroethyl ...	0.163	0.205	0.185	0.226	0.241	0.258	0.213	16.67
59)	T	2-Hexanone	0.261	0.302	0.298	0.353	0.357	0.358	0.321	12.60
60)	T	Dibromochlorom...	0.386	0.420	0.368	0.412	0.414	0.430	0.405	5.79
61)	T	1,2-Dibromoethane	0.334	0.321	0.309	0.356	0.334	0.349	0.334	5.16
62)	S	4-Bromofluorob...		0.417	0.357	0.410	0.449	0.475	0.422	10.57
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.323	0.346	0.338	0.365	0.322	0.351	0.341	4.87
65)	PM	Chlorobenzene	1.051	1.110	1.047	1.154	1.076	1.133	1.095	4.03
66)	T	1,1,1,2-Tetrac...	0.425	0.412	0.371	0.408	0.392	0.404	0.402	4.65
67)	C	Ethyl Benzene	1.430	1.709	1.685	1.940	1.867	2.072	1.784	12.67#
68)	T	m/p-Xylenes	0.492	0.616	0.615	0.750	0.707	0.775	0.659	16.01
69)	T	o-Xylene	0.482	0.582	0.584	0.713	0.681	0.738	0.630	15.47
70)	T	Styrene	0.742	0.929	0.956	1.186	1.173	1.271	1.043	19.21
71)	P	Bromoform	0.235	0.284	0.273	0.312	0.311	0.311	0.288	10.61
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.766	3.157	3.272	3.681	3.448	3.922	3.375	12.06
74)	T	N-amyl acetate	1.364	1.394	1.405	1.642	1.622	1.673	1.517	9.43
75)	P	1,1,2,2-Tetrac...	1.314	1.228	1.157	1.187	1.145	1.121	1.192	5.89
76)	T	1,2,3-Trichlor...	1.104	0.965	0.957	1.118	0.893	1.061	1.016	8.96
77)	T	Bromobenzene	0.871	0.880	0.857	0.906	0.858	0.919	0.882	2.90
78)	T	n-propylbenzene	3.227	3.605	3.846	4.400	4.154	4.738	3.995	13.74
79)	T	2-Chlorotoluene	2.252	2.533	2.571	2.761	2.585	2.812	2.586	7.67
80)	T	1,3,5-Trimethy...	2.160	2.529	2.695	3.140	2.940	3.260	2.787	14.69
81)	T	trans-1,4-Dich...		0.335	0.347	0.386	0.390	0.419	0.376	9.04
82)	T	4-Chlorotoluene	2.144	2.536	2.512	2.820	2.588	2.847	2.574	9.91
83)	T	tert-Butylbenzene	1.885	2.189	2.236	2.570	2.439	2.726	2.341	12.85
84)	T	1,2,4-Trimethy...	1.888	2.542	2.710	3.190	3.016	3.323	2.778	18.89
85)	T	sec-Butylbenzene	2.318	3.026	3.147	3.643	3.421	3.912	3.244	17.17
86)	T	p-Isopropyltol...	1.777	2.368	2.541	2.942	2.872	3.286	2.631	20.04
87)	T	1,3-Dichlorobe...	1.526	1.656	1.574	1.701	1.565	1.720	1.624	4.91
88)	T	1,4-Dichlorobe...	1.767	1.743	1.607	1.713	1.562	1.706	1.683	4.78
89)	T	n-Butylbenzene	1.772	2.176	2.168	2.485	2.483	2.881	2.327	16.22
90)	T	Hexachloroethane	0.681	0.616	0.574	0.613	0.577	0.645	0.618	6.59
91)	T	1,2-Dichlorobe...	1.766	1.600	1.532	1.654	1.555	1.611	1.620	5.15
92)	T	1,2-Dibromo-3-...	0.202	0.228	0.212	0.224	0.222	0.218	0.218	4.31
93)	T	1,2,4-Trichlor...	0.658	0.717	0.704	0.799	0.781	0.858	0.753	9.69
94)	T	Hexachlorobuta...	0.413	0.441	0.395	0.396	0.367	0.386	0.400	6.31
95)	T	Naphthalene	2.115	1.987	1.958	2.348	2.482	2.588	2.246	11.79
96)	T	1,2,3-Trichlor...	0.750	0.693	0.732	0.792	0.786	0.817	0.762	5.96

(#) = Out of Range

p-Isopropyltoluene

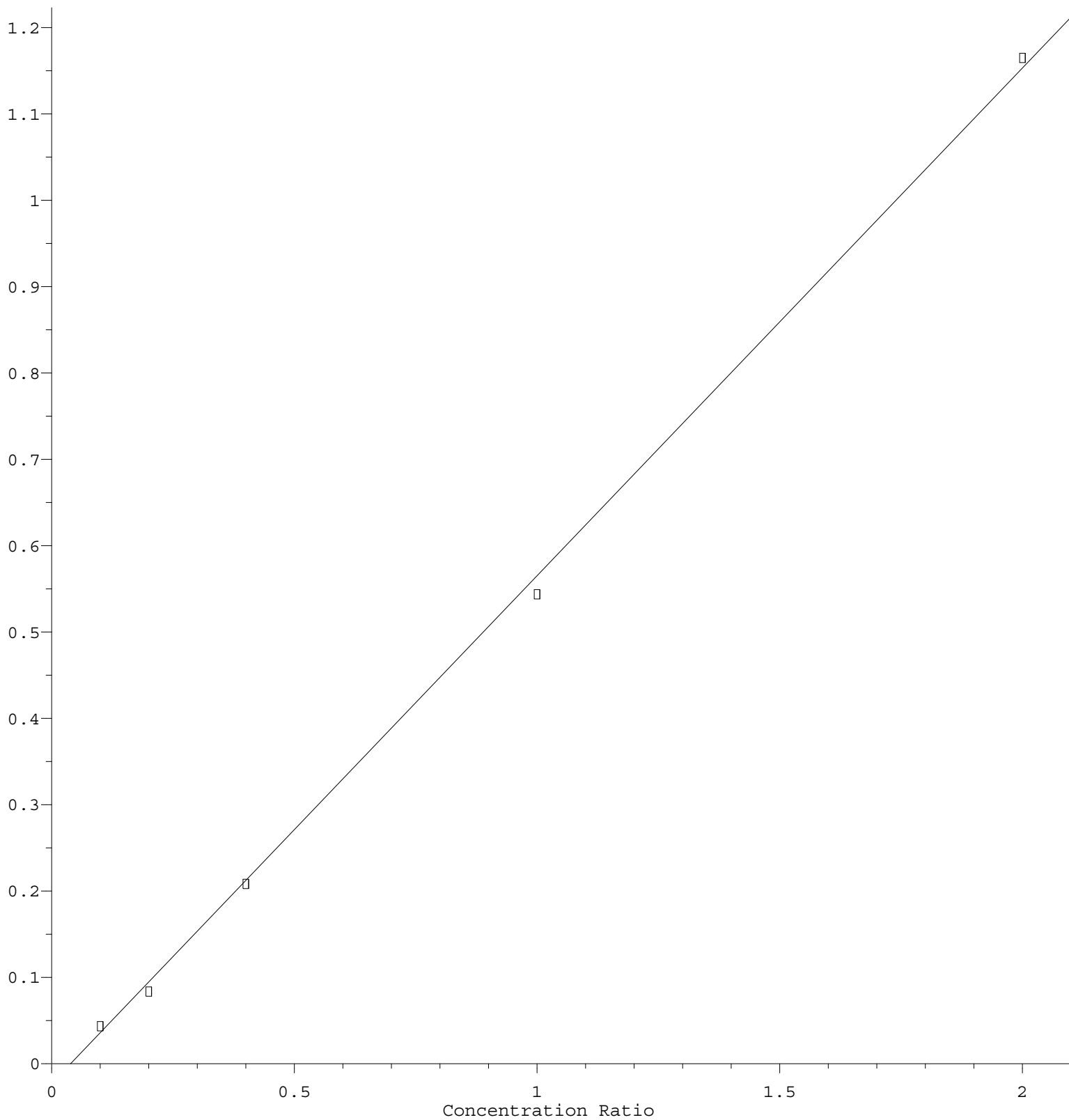
Response Ratio



$R = 3.594e-001 A^2 + 2.563e+000 A - 1.210e-003$
Coef of Det (r^2) = 0.999599 Curve Fit: Quadratic
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Ethyl methacrylate

Response Ratio



$$\text{Response} = 5.877\text{e-}001 * \text{Amt} - 2.270\text{e-}002$$

Coef of Det (r^2) = 0.998904 Curve Fit: Linear

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