

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y022324S.M
 Title : SW846 8260
 Last Update : Sat Feb 24 04:41:20 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY017467.D 10 =VY017468.D 20 =VY017469.D 50 =VY017470.D 100 =VY017471.D 150 =VY017472.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.396	0.439	0.390	0.360	0.303	0.325	0.369	13.52
3) P	Chloromethane	0.724	0.798	0.705	0.660	0.562	0.594	0.674	12.94
4) C	Vinyl Chloride	0.919	1.007	0.882	0.860	0.734	0.786	0.865	11.18#
5) T	Bromomethane	0.797	0.824	0.729	0.680	0.583	0.614	0.705	13.75
6) T	Chloroethane	0.550	0.618	0.564	0.557	0.473	0.511	0.545	9.02
7) T	Trichlorofluor...	0.880	0.974	0.919	0.883	0.775	0.857	0.881	7.50
8) T	Diethyl Ether	0.231	0.285	0.264	0.274	0.239	0.258	0.258	7.95
9) T	1,1,2-Trichlor...	0.526	0.566	0.510	0.515	0.441	0.482	0.507	8.37
10) T	Methyl Iodide	0.495	0.558	0.565	0.622	0.562	0.611	0.569	7.95
11) T	Tert butyl alc...	0.048	0.049	0.044	0.037	0.031	0.033	0.040	19.51
12) CM	1,1-Dichloroet...	0.451	0.530	0.477	0.482	0.428	0.468	0.472	7.29#
13) T	Acrolein	0.059	0.048	0.053	0.054	0.053	0.052	0.053	6.18
14) T	Allyl chloride	0.539	0.613	0.576	0.602	0.526	0.568	0.571	5.98
15) T	Acrylonitrile	0.101	0.114	0.106	0.114	0.098	0.104	0.106	6.41
16) T	Acetone	0.098	0.102	0.092	0.096	0.079	0.084	0.092	9.55
17) T	Carbon Disulfide	1.383	1.595	1.457	1.453	1.253	1.364	1.418	8.07
18) T	Methyl Acetate	0.210	0.233	0.208	0.247	0.213	0.227	0.223	6.97
19) T	Methyl tert-bu...	0.931	1.157	1.091	1.201	1.060	1.165	1.101	8.91
20) T	Methylene Chlo...	0.944	0.802	0.634	0.578	0.481	0.509	0.658	27.42
21) T	trans-1,2-Dich...	0.513	0.611	0.558	0.576	0.506	0.555	0.553	7.14
22) T	Diisopropyl ether	1.146	1.444	1.335	1.429	1.231	1.317	1.317	8.69
23) T	Vinyl Acetate	0.666	0.820	0.783	0.863	0.758	0.819	0.785	8.73
24) P	1,1-Dichloroet...	0.868	1.019	0.897	0.932	0.810	0.873	0.900	7.86
25) T	2-Butanone	0.123	0.138	0.127	0.143	0.123	0.132	0.131	6.24
26) T	2,2-Dichloropr...	0.738	0.843	0.746	0.768	0.688	0.756	0.756	6.65
27) T	cis-1,2-Dichlo...	0.563	0.673	0.616	0.656	0.582	0.635	0.621	6.82
28) T	Bromochloromet...	0.389	0.380	0.371	0.307	0.340	0.339	0.354	8.79
29) T	Tetrahydrofuran	0.069	0.083	0.078	0.088	0.076	0.080	0.079	8.05
30) C	Chloroform	0.916	1.073	0.973	0.991	0.862	0.933	0.958	7.55#
31) T	Cyclohexane	0.827	0.854	0.759	0.776	0.679	0.731	0.771	8.24
32) T	1,1,1-Trichlor...	0.802	0.905	0.848	0.854	0.749	0.832	0.832	6.30
33) S	1,2-Dichloroet...	0.586	0.511	0.423	0.469	0.416	0.438	0.474	13.73
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.417	0.372	0.312	0.345	0.308	0.337	0.348	11.73
36) T	1,1-Dichloropr...	0.434	0.498	0.474	0.493	0.434	0.488	0.470	6.14
37) T	Ethyl Acetate	0.176	0.201	0.185	0.198	0.169	0.185	0.186	6.70
38) T	Carbon Tetrach...	0.417	0.501	0.469	0.498	0.440	0.502	0.471	7.59
39) T	Methylcyclohexane	0.478	0.579	0.551	0.611	0.547	0.625	0.565	9.39
40) TM	Benzene	1.274	1.474	1.407	1.470	1.298	1.453	1.396	6.35
41) T	Methacrylonitrile	0.080	0.095	0.089	0.106	0.084	0.106	0.093	11.77
42) TM	1,2-Dichloroet...	0.316	0.366	0.344	0.363	0.313	0.342	0.341	6.54
43) T	Isopropyl Acetate	0.277	0.327	0.322	0.360	0.317	0.354	0.326	9.13
44) TM	Trichloroethene	0.369	0.438	0.405	0.418	0.370	0.413	0.402	6.87
45) C	1,2-Dichloropr...	0.294	0.364	0.336	0.350	0.308	0.341	0.332	7.95#
46) T	Dibromomethane	0.168	0.202	0.192	0.201	0.178	0.198	0.190	7.26
47) T	Bromodichlorom...	0.411	0.491	0.462	0.493	0.433	0.479	0.462	7.23
48) T	Methyl methacr...	0.123	0.149	0.141	0.169	0.152	0.172	0.151	12.01
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	9.60
50) S	Toluene-d8	1.256	1.239	1.083	1.273	1.165	1.294	1.218	6.54
51) T	4-Methyl-2-Pen...	0.155	0.182	0.180	0.201	0.178	0.196	0.182	8.92
52) CM	Toluene	0.750	0.923	0.890	0.935	0.840	0.942	0.880	8.38#
53) T	t-1,3-Dichloro...	0.344	0.435	0.430	0.470	0.422	0.469	0.428	10.75
54) T	cis-1,3-Dichlo...	0.443	0.544	0.518	0.558	0.499	0.562	0.521	8.69
55) T	1,1,2-Trichlor...	0.242	0.289	0.273	0.285	0.252	0.279	0.270	7.01
56) T	Ethyl methacry...	0.218	0.287	0.290	0.352	0.315	0.353	0.303	16.60

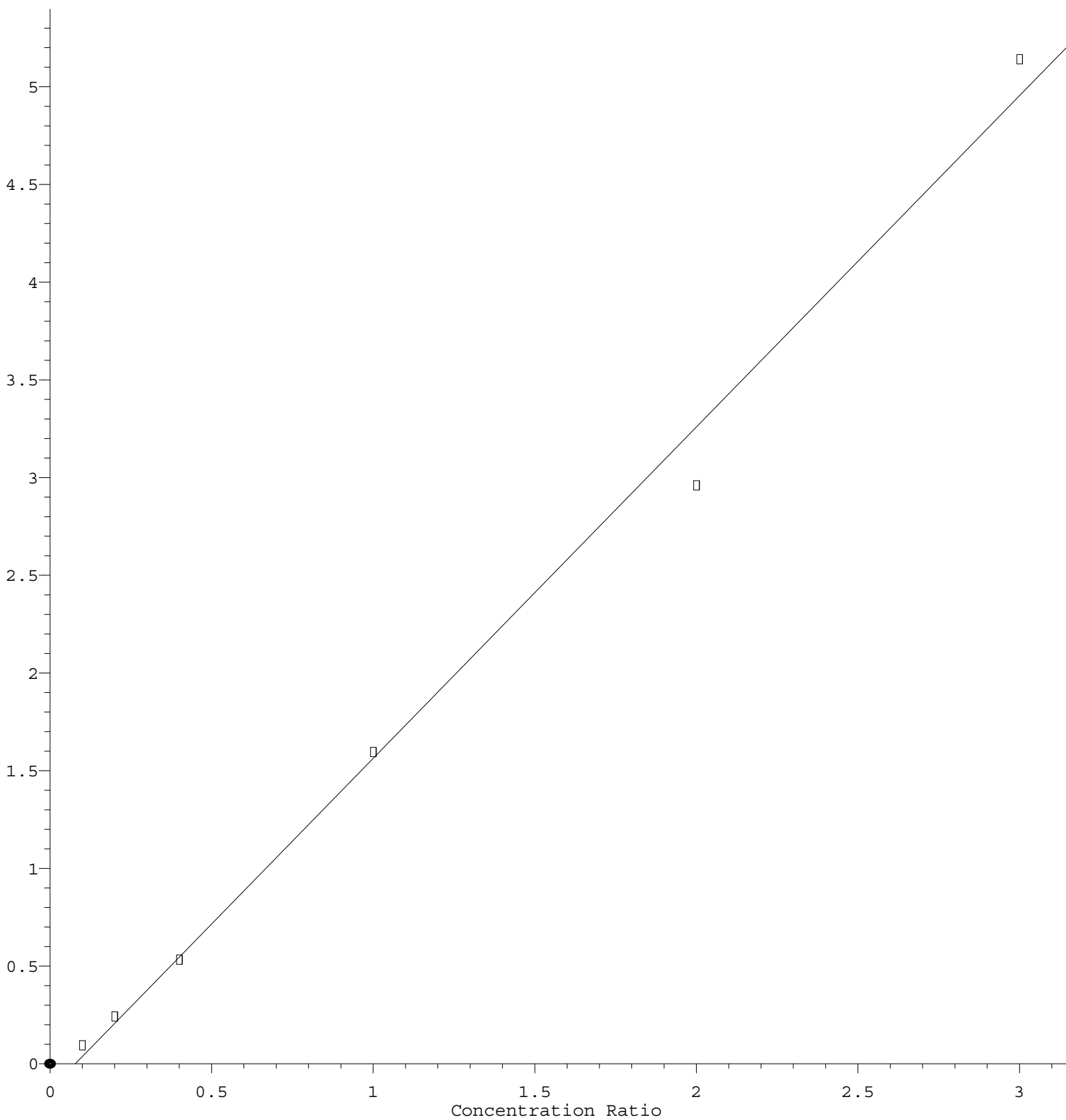
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57)	T	1,3-Dichloropr...	0.391	0.460	0.442	0.472	0.413	0.455	0.439	6.99
58)	T	2-Chloroethyl ...	0.137	0.146	0.149	0.146	0.165	0.192	0.156	12.79
59)	T	2-Hexanone	0.096	0.120	0.127	0.143	0.125	0.138	0.125	13.37
60)	T	Dibromochlorom...	0.271	0.327	0.320	0.347	0.307	0.343	0.319	8.69
61)	T	1,2-Dibromoethane	0.215	0.253	0.252	0.268	0.238	0.266	0.249	8.02
62)	S	4-Bromofluorob...	0.383	0.376	0.338	0.409	0.376	0.414	0.383	7.12
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.449	0.537	0.498	0.499	0.427	0.469	0.480	8.26
65)	PM	Chlorobenzene	0.949	1.131	1.075	1.125	0.978	1.110	1.061	7.42
66)	T	1,1,1,2-Tetrac...	0.343	0.411	0.395	0.424	0.378	0.434	0.398	8.38
67)	C	Ethyl Benzene	1.532	1.874	1.839	2.033	1.811	2.078	1.861	10.41#
68)	T	m/p-Xylenes	0.582	0.741	0.728	0.801	0.714	0.822	0.731	11.53
69)	T	o-Xylene	0.528	0.672	0.669	0.757	0.673	0.772	0.679	12.76
70)	T	Styrene	0.824	1.118	1.114	1.271	1.135	1.296	1.126	14.93
71)	P	Bromoform	0.179	0.224	0.216	0.241	0.215	0.246	0.220	10.82
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.126	3.884	3.780	3.946	3.532	4.020	3.715	9.01
74)	T	N-amyl acetate	0.498	0.637	0.649	0.730	0.667	0.749	0.655	13.59
75)	P	1,1,2,2-Tetrac...	0.563	0.677	0.617	0.680	0.610	0.681	0.638	7.64
76)	T	1,2,3-Trichlor...	0.491	0.541	0.461	0.483	0.407	0.467	0.475	9.18
77)	T	Bromobenzene	0.827	0.942	0.901	0.933	0.839	0.956	0.900	6.11
78)	T	n-propylbenzene	3.757	4.691	4.600	4.762	4.210	4.724	4.457	8.92
79)	T	2-Chlorotoluene	2.280	2.682	2.521	2.606	2.301	2.584	2.495	6.69
80)	T	1,3,5-Trimethy...	2.464	3.080	3.017	3.203	2.845	3.247	2.976	9.69
81)	T	trans-1,4-Dich...	0.175	0.215	0.206	0.222	0.197	0.226	0.207	9.13
82)	T	4-Chlorotoluene	2.265	2.763	2.625	2.657	2.356	2.649	2.552	7.64
83)	T	tert-Butylbenzene	2.191	2.651	2.623	2.808	2.538	2.869	2.613	9.20
84)	T	1,2,4-Trimethy...	2.333	3.007	3.072	3.148	2.860	3.208	2.938	10.89
85)	T	sec-Butylbenzene	3.371	4.223	4.051	4.299	3.781	4.249	3.996	9.00
86)	T	p-Isopropyltol...	2.548	3.317	3.264	3.555	3.230	3.711	3.271	12.23
87)	T	1,3-Dichlorobe...	1.644	1.867	1.791	1.884	1.688	1.960	1.806	6.73
88)	T	1,4-Dichlorobe...	1.656	1.863	1.778	1.840	1.598	1.798	1.755	6.00
89)	T	n-Butylbenzene	2.497	3.040	3.008	3.279	2.866	3.215	2.984	9.42
90)	T	Hexachloroethane	0.616	0.696	0.667	0.680	0.605	0.670	0.656	5.59
91)	T	1,2-Dichlorobe...	1.383	1.586	1.537	1.628	1.433	1.598	1.527	6.45
92)	T	1,2-Dibromo-3-...	0.084	0.096	0.090	0.093	0.082	0.093	0.090	6.22
93)	T	1,2,4-Trichlor...	0.632	0.798	0.814	0.891	0.799	0.907	0.807	12.11
94)	T	Hexachlorobuta...	0.478	0.548	0.516	0.514	0.445	0.486	0.498	7.18
95)	T	Naphthalene	0.944	1.212	1.332	1.596	1.480	1.714	1.379	20.22
96)	T	1,2,3-Trichlor...	0.546	0.697	0.704	0.765	0.676	0.764	0.692	11.63

(#) = Out of Range

Naphthalene

Response Ratio



$$\text{Response} = 1.696\text{e}+000 * \text{Amt} - 1.328\text{e}-001$$

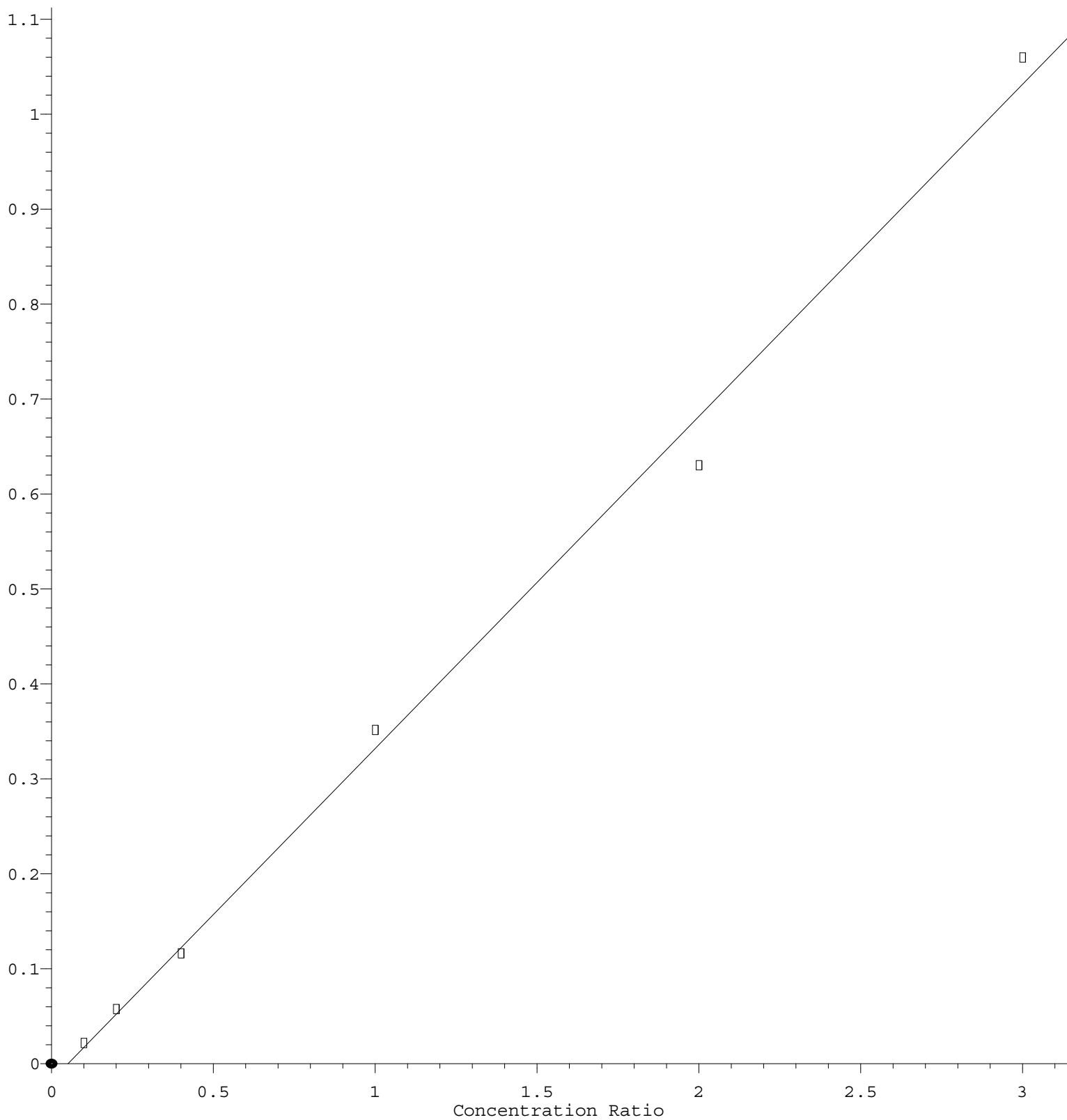
Coef of Det (r^2) = 0.993349 Curve Fit: Linear

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Ethyl methacrylate

Response Ratio



$$\text{Response} = 3.498\text{e-}001 * \text{Amt} - 1.775\text{e-}002$$

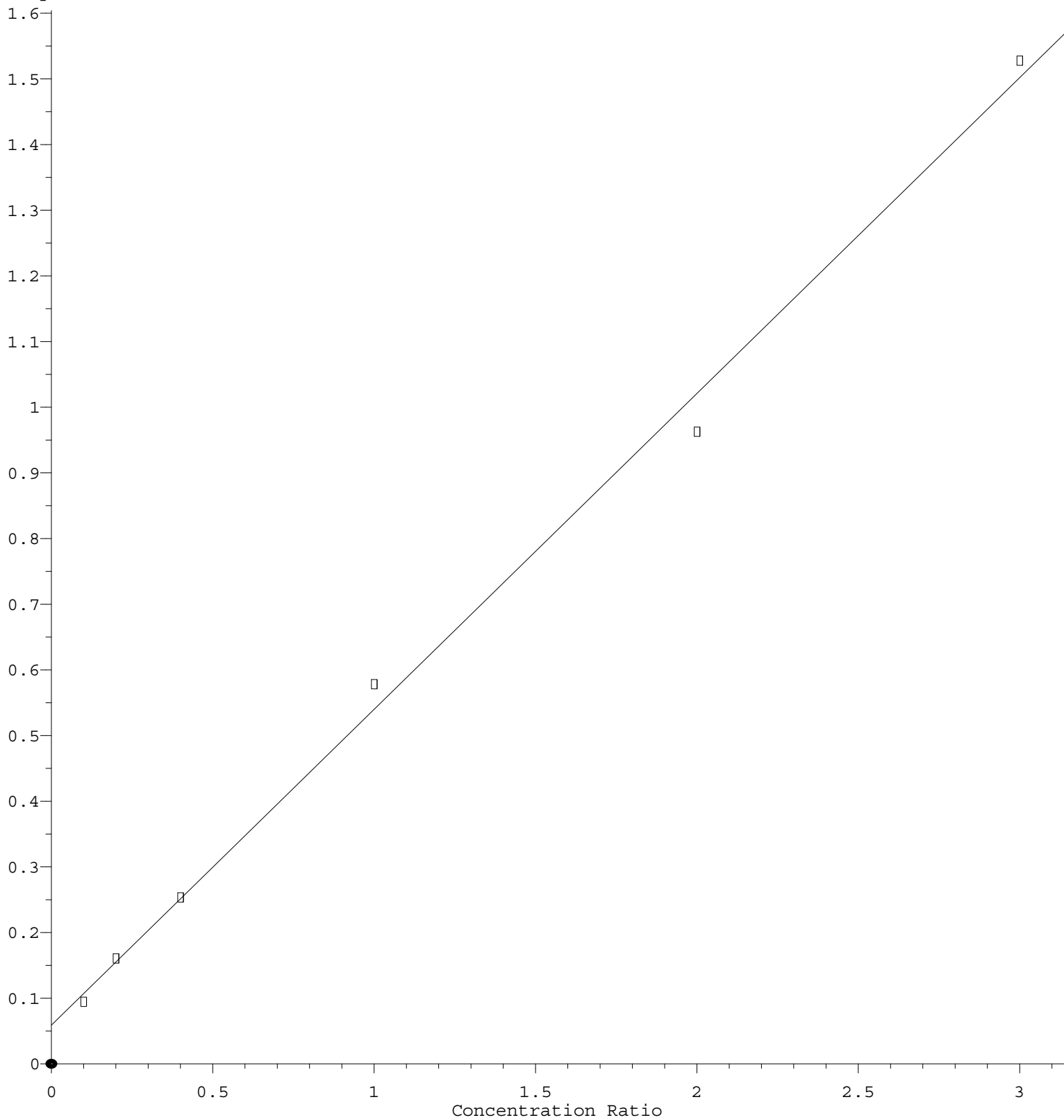
Coef of Det (r^2) = 0.995274 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 4.808\text{e-}001 * \text{Amt} + 5.916\text{e-}002$$

Coef of Det (r^2) = 0.996342 Curve Fit: Linear

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