

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y032224S.M
 Title : SW846 8260
 Last Update : Sat Mar 23 04:03:52 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY017736.D 10 =VY017737.D 20 =VY017738.D 50 =VY017739.D 100 =VY017740.D 150 =VY017741.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.487	0.484	0.473	0.424	0.374	0.348	0.432	13.86
3) P	Chloromethane	0.601	0.625	0.613	0.583	0.488	0.444	0.559	13.37
4) C	Vinyl Chloride	0.725	0.737	0.731	0.716	0.608	0.540	0.676	12.18#
5) T	Bromomethane	0.577	0.566	0.566	0.519	0.473	0.466	0.528	9.42
6) T	Chloroethane	0.498	0.495	0.487	0.466	0.402	0.364	0.452	12.36
7) T	Trichlorofluor...	0.805	0.787	0.759	0.744	0.619	0.561	0.713	13.87
8) T	Diethyl Ether	0.225	0.233	0.249	0.249	0.236	0.218	0.235	5.33
9) T	1,1,2-Trichlor...	0.562	0.536	0.526	0.531	0.463	0.426	0.507	10.09
10) T	Methyl Iodide	0.594	0.615	0.643	0.701	0.610	0.557	0.620	7.85
11) T	Tert butyl alc...	0.030	0.030	0.031	0.027	0.029	0.027	0.029	5.02
12) CM	1,1-Dichloroet...	0.494	0.489	0.503	0.513	0.447	0.418	0.477	7.71#
13) T	Acrolein	0.030	0.029	0.039	0.038	0.036	0.037	0.035	12.14
14) T	Allyl chloride	0.597	0.659	0.650	0.714	0.646	0.614	0.647	6.30
15) T	Acrylonitrile	0.081	0.092	0.103	0.106	0.104	0.099	0.097	9.83
16) T	Acetone	0.062	0.068	0.077	0.087	0.085	0.078	0.076	12.51
17) T	Carbon Disulfide	1.695	1.673	1.682	1.694	1.473	1.364	1.597	8.92
18) T	Methyl Acetate	0.158	0.180	0.200	0.207	0.212	0.193	0.192	10.41
19) T	Methyl tert-bu...	0.846	0.945	1.068	1.148	1.115	1.052	1.029	10.99
20) T	Methylene Chlo...	0.643	0.638	0.565	0.549	0.484	0.447	0.554	14.33
21) T	trans-1,2-Dich...	0.561	0.552	0.568	0.587	0.516	0.481	0.544	7.13
22) T	Diisopropyl ether	1.202	1.368	1.490	1.572	1.447	1.369	1.408	9.02
23) T	Vinyl Acetate	0.630	0.742	0.864	0.935	0.918	0.874	0.827	14.25
24) P	1,1-Dichloroet...	0.924	0.958	0.960	1.003	0.877	0.831	0.925	6.76
25) T	2-Butanone	0.086	0.101	0.116	0.131	0.138	0.129	0.117	17.12
26) T	2,2-Dichloropr...	0.798	0.795	0.800	0.844	0.767	0.717	0.787	5.37
27) T	cis-1,2-Dichlo...	0.600	0.620	0.632	0.671	0.604	0.566	0.615	5.74
28) T	Bromochloromet...	0.330	0.346	0.379	0.370	0.364	0.364	0.359	5.00
29) T	Tetrahydrofuran	0.052	0.066	0.078	0.084	0.086	0.081	0.074	17.46
30) C	Chloroform	0.989	0.985	1.010	1.022	0.901	0.848	0.959	7.18#
31) T	Cyclohexane	0.937	0.908	0.875	0.900	0.800	0.749	0.862	8.37
32) T	1,1,1-Trichlor...	0.839	0.868	0.860	0.897	0.798	0.751	0.836	6.34
33) S	1,2-Dichloroet...	0.362	0.420	0.477	0.439	0.455	0.461	0.436	9.43
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.255	0.287	0.322	0.308	0.312	0.309	0.299	8.14
36) T	1,1-Dichloropr...	0.460	0.470	0.470	0.499	0.463	0.408	0.462	6.43
37) T	Ethyl Acetate	0.137	0.162	0.191	0.193	0.202	0.179	0.177	13.63
38) T	Carbon Tetrach...	0.477	0.495	0.491	0.526	0.484	0.430	0.483	6.49
39) T	Methylcyclohexane	0.550	0.567	0.591	0.670	0.626	0.553	0.593	7.95
40) TM	Benzene	1.312	1.391	1.423	1.521	1.397	1.251	1.382	6.73
41) T	Methacrylonitrile	0.077	0.076	0.095	0.100	0.090	0.089	0.088	10.95
42) TM	1,2-Dichloroet...	0.300	0.328	0.350	0.358	0.346	0.305	0.331	7.35
43) T	Isopropyl Acetate	0.240	0.280	0.322	0.359	0.380	0.342	0.321	16.26
44) TM	Trichloroethene	0.363	0.374	0.373	0.383	0.361	0.316	0.362	6.61
45) C	1,2-Dichloropr...	0.295	0.313	0.323	0.344	0.323	0.291	0.315	6.28#
46) T	Dibromomethane	0.156	0.170	0.185	0.191	0.187	0.164	0.175	8.02
47) T	Bromodichlorom...	0.444	0.435	0.449	0.492	0.462	0.411	0.449	5.99
48) T	Methyl methacr...	0.104	0.121	0.149	0.166	0.176	0.161	0.146	19.19
49) T	1,4-Dioxane	0.001	0.002	0.002	0.002	0.002	0.002	0.002	12.76
50) S	Toluene-d8	0.932	1.078	1.230	1.187	1.230	1.206	1.144	10.33
51) T	4-Methyl-2-Pen...	0.114	0.138	0.173	0.192	0.207	0.184	0.168	20.91
52) CM	Toluene	0.773	0.856	0.877	0.937	0.890	0.792	0.854	7.26#
53) T	t-1,3-Dichloro...	0.323	0.358	0.399	0.436	0.443	0.395	0.392	11.62
54) T	cis-1,3-Dichlo...	0.415	0.454	0.485	0.535	0.525	0.461	0.479	9.44
55) T	1,1,2-Trichlor...	0.199	0.217	0.233	0.247	0.241	0.210	0.224	8.36
56) T	Ethyl methacry...	0.184	0.232	0.271	0.326	0.348	0.308	0.278	22.35

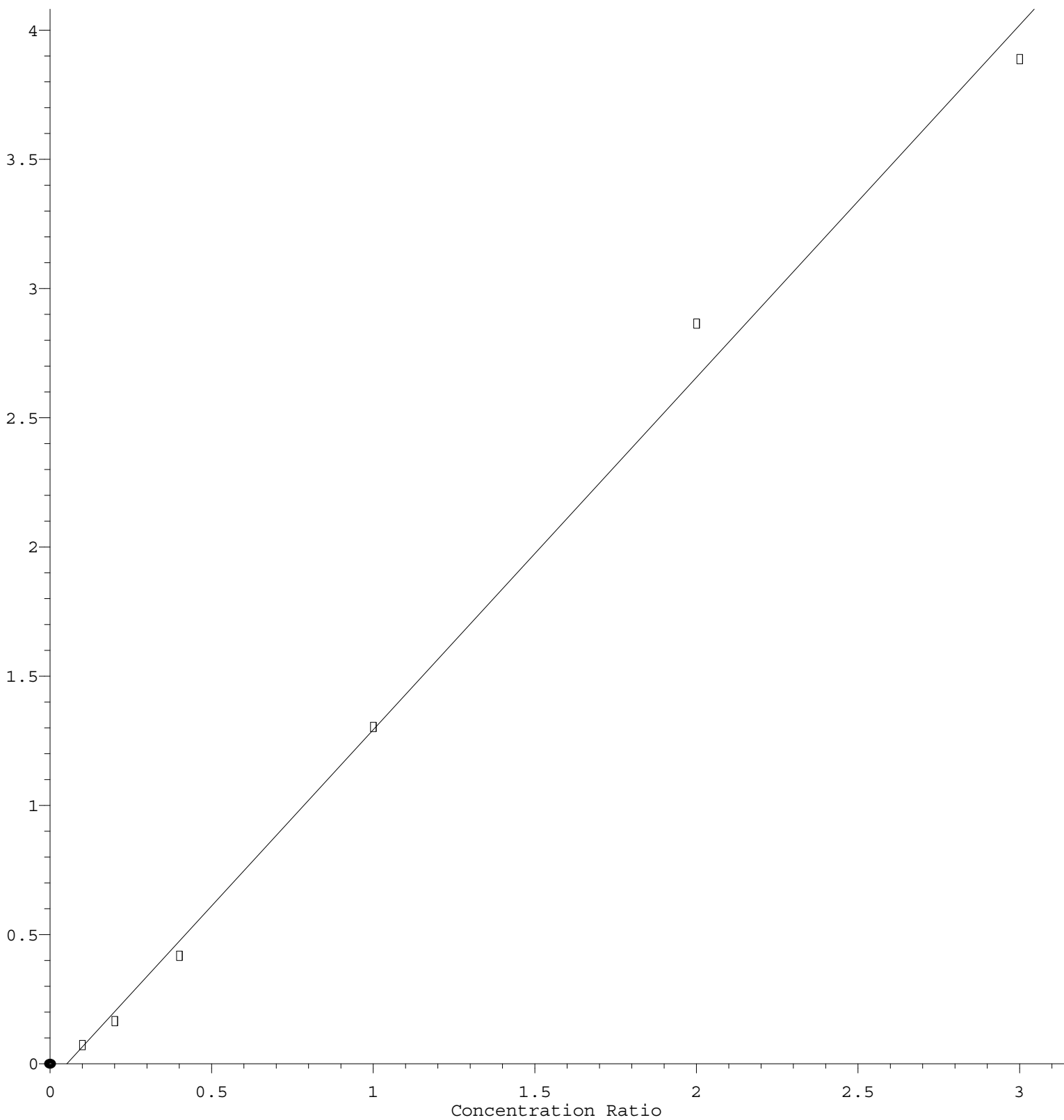
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57)	T	1,3-Dichloropr...	0.339	0.370	0.401	0.426	0.416	0.368	0.387	8.58
58)	T	2-Chloroethyl ...	0.097	0.113	0.146	0.158	0.169	0.160	0.140	20.70
59)	T	2-Hexanone	0.071	0.088	0.113	0.135	0.148	0.130	0.114	26.16
60)	T	Dibromochlorom...	0.279	0.287	0.310	0.324	0.320	0.281	0.300	6.75
61)	T	1,2-Dibromoethane	0.188	0.200	0.215	0.230	0.230	0.201	0.211	8.19
62)	S	4-Bromofluorob...	0.300	0.311	0.356	0.356	0.376	0.362	0.343	8.91
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.490	0.495	0.485	0.502	0.431	0.371	0.462	11.15
65)	PM	Chlorobenzene	1.047	1.089	1.093	1.183	1.081	0.963	1.076	6.63
66)	T	1,1,1,2-Tetrac...	0.335	0.345	0.371	0.395	0.372	0.338	0.359	6.60
67)	C	Ethyl Benzene	1.696	1.785	1.820	2.101	1.935	1.754	1.848	7.97#
68)	T	m/p-Xylenes	0.635	0.693	0.728	0.802	0.758	0.686	0.717	8.20
69)	T	o-Xylene	0.563	0.640	0.646	0.741	0.699	0.638	0.655	9.25
70)	T	Styrene	0.884	1.012	1.101	1.242	1.198	1.101	1.090	11.88
71)	P	Bromoform	0.171	0.170	0.193	0.211	0.207	0.184	0.189	9.13
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.528	3.756	3.872	4.205	3.706	3.586	3.775	6.45
74)	T	N-amyl acetate	0.466	0.576	0.676	0.785	0.819	0.791	0.685	20.53
75)	P	1,1,2,2-Tetrac...	0.505	0.576	0.582	0.633	0.606	0.586	0.581	7.35
76)	T	1,2,3-Trichlor...	0.446	0.516	0.496	0.483	0.472	0.358	0.462	12.16
77)	T	Bromobenzene	0.823	0.848	0.891	0.945	0.844	0.807	0.860	5.89
78)	T	n-propylbenzene	4.243	4.489	4.684	5.182	4.535	4.289	4.570	7.46
79)	T	2-Chlorotoluene	2.394	2.513	2.586	2.805	2.433	2.307	2.506	6.99
80)	T	1,3,5-Trimethy...	2.635	2.952	3.037	3.347	2.936	2.827	2.956	7.99
81)	T	trans-1,4-Dich...	0.165	0.172	0.201	0.223	0.221	0.217	0.200	12.80
82)	T	4-Chlorotoluene	2.422	2.606	2.623	2.834	2.524	2.420	2.572	6.04
83)	T	tert-Butylbenzene	2.492	2.552	2.777	3.057	2.675	2.495	2.675	8.14
84)	T	1,2,4-Trimethy...	2.496	2.848	2.996	3.262	3.001	2.782	2.897	8.87
85)	T	sec-Butylbenzene	3.740	3.988	4.105	4.533	3.964	3.722	4.009	7.41
86)	T	p-Isopropyltol...	2.966	3.184	3.343	3.795	3.461	3.221	3.328	8.49
87)	T	1,3-Dichlorobe...	1.728	1.702	1.762	1.876	1.741	1.642	1.742	4.45
88)	T	1,4-Dichlorobe...	1.679	1.671	1.706	1.822	1.633	1.522	1.672	5.85
89)	T	n-Butylbenzene	2.760	2.852	3.071	3.396	3.118	2.871	3.011	7.73
90)	T	Hexachloroethane	0.732	0.683	0.677	0.740	0.650	0.591	0.679	8.11
91)	T	1,2-Dichlorobe...	1.445	1.414	1.472	1.575	1.416	1.336	1.443	5.50
92)	T	1,2-Dibromo-3-...	0.047	0.066	0.073	0.080	0.083	0.074	0.070	18.23
93)	T	1,2,4-Trichlor...	0.596	0.609	0.712	0.800	0.777	0.700	0.699	11.98
94)	T	Hexachlorobuta...	0.491	0.453	0.460	0.485	0.427	0.377	0.449	9.36
95)	T	Naphthalene	0.722	0.825	1.044	1.303	1.432	1.296	1.104	25.99
96)	T	1,2,3-Trichlor...	0.500	0.503	0.565	0.660	0.658	0.578	0.577	12.25

(#) = Out of Range

Naphthalene

Response Ratio



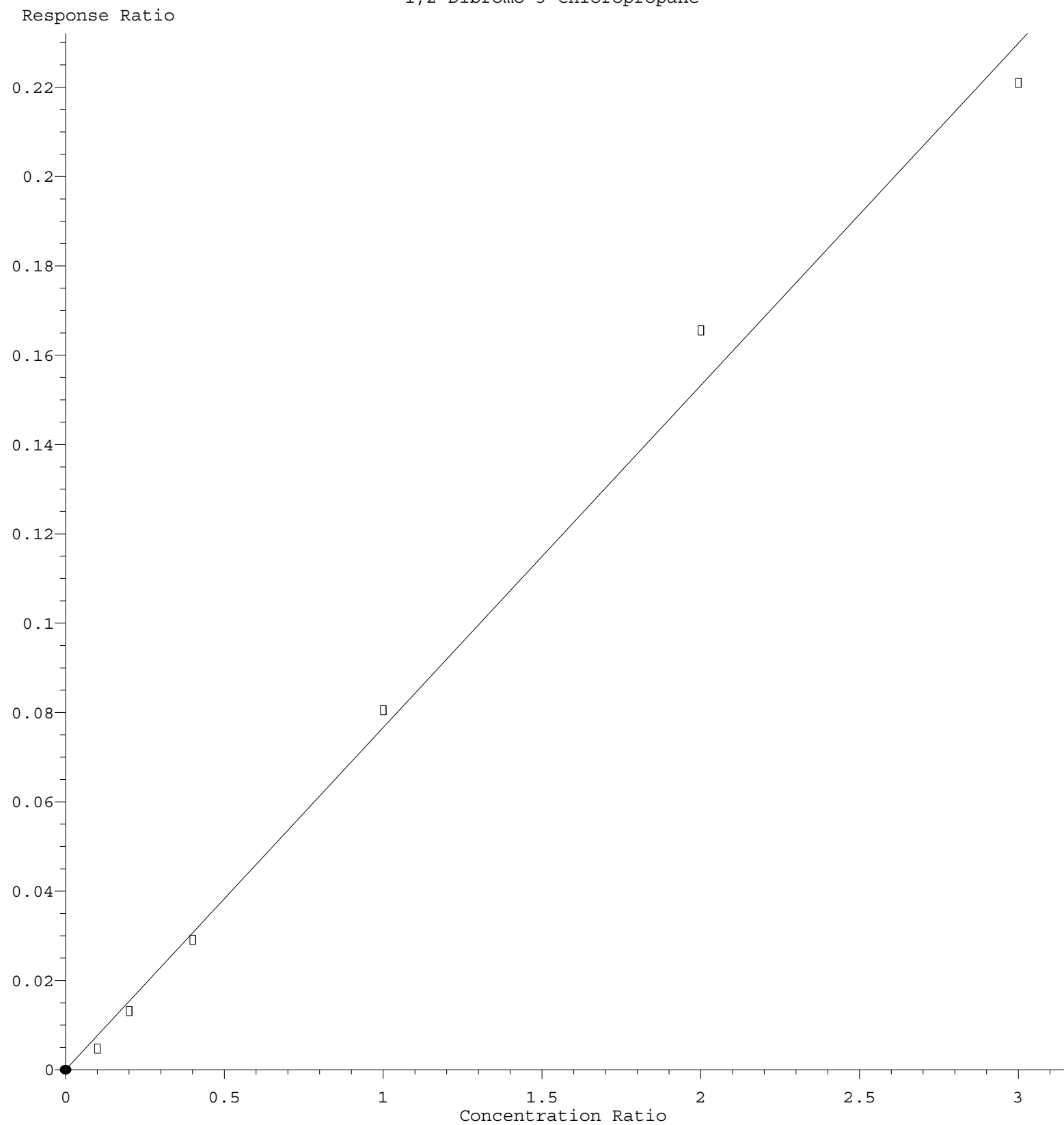
$$\text{Response} = 1.364\text{e}+000 * \text{Amt} - 7.113\text{e}-002$$

Coef of Det (r^2) = 0.994797 Curve Fit: Linear

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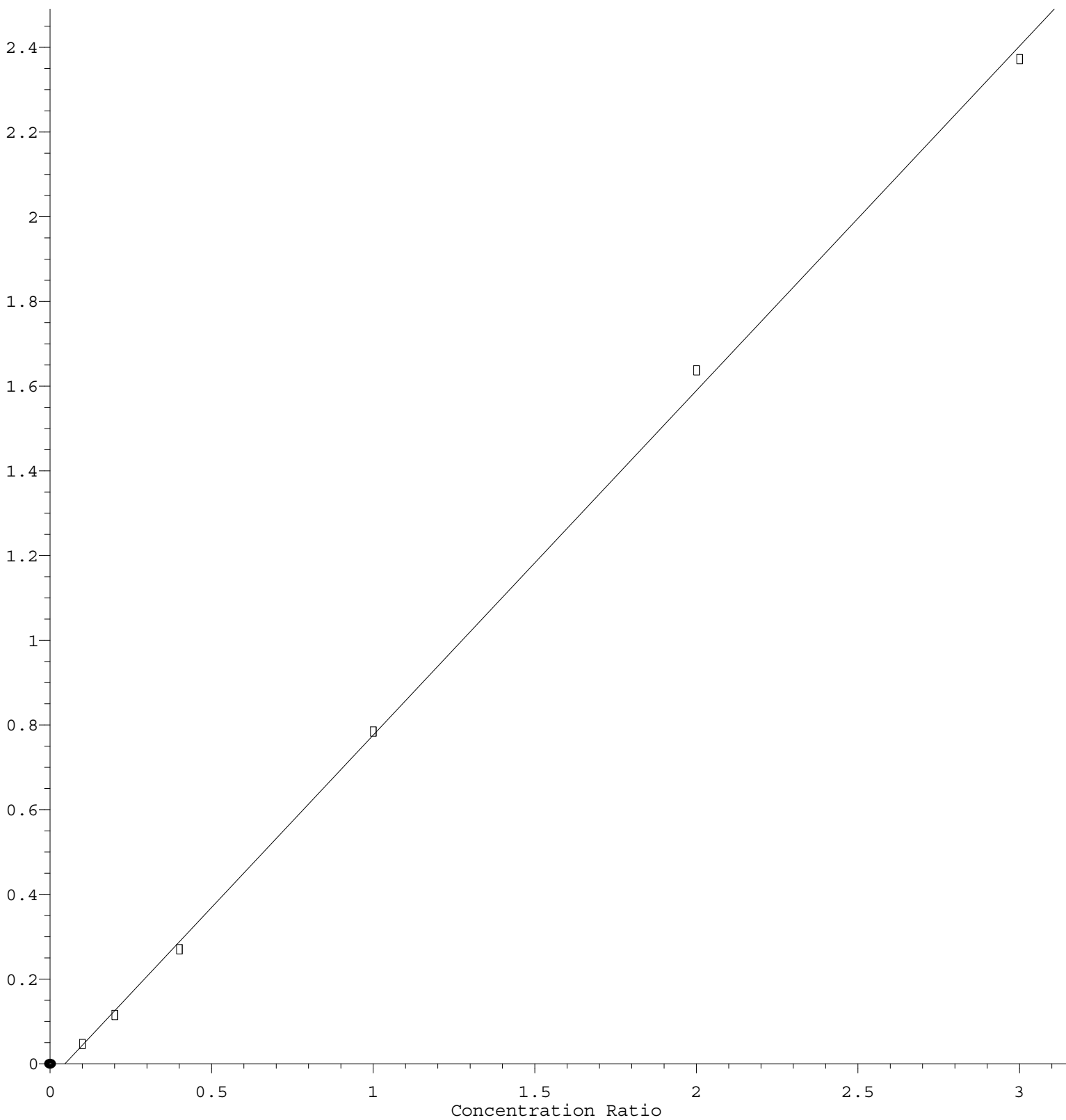
1,2-Dibromo-3-Chloropropane



Response = $7.659 \times 10^{-2} \times \text{Amt} + 1.384 \times 10^{-4}$
 Coef of Det (r^2) = 0.993421 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032224S.M
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N-amyl acetate

Response Ratio



$$\text{Response} = 8.137\text{e-}001 * \text{Amt} - 3.767\text{e-}002$$

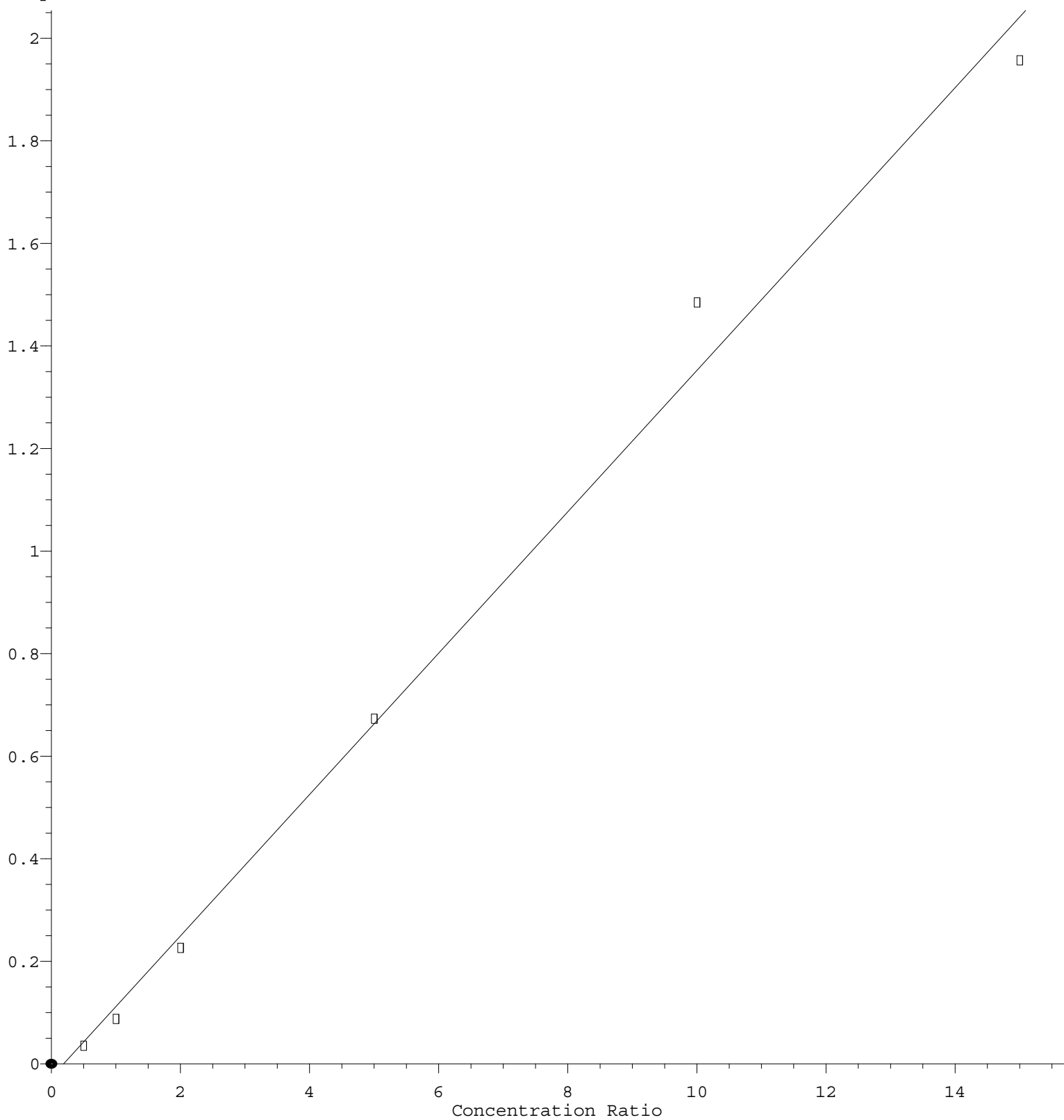
Coef of Det (r^2) = 0.999166 Curve Fit: Linear

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2-Hexanone

Response Ratio



$$\text{Response} = 1.379\text{e-}001 * \text{Amt} - 2.616\text{e-}002$$

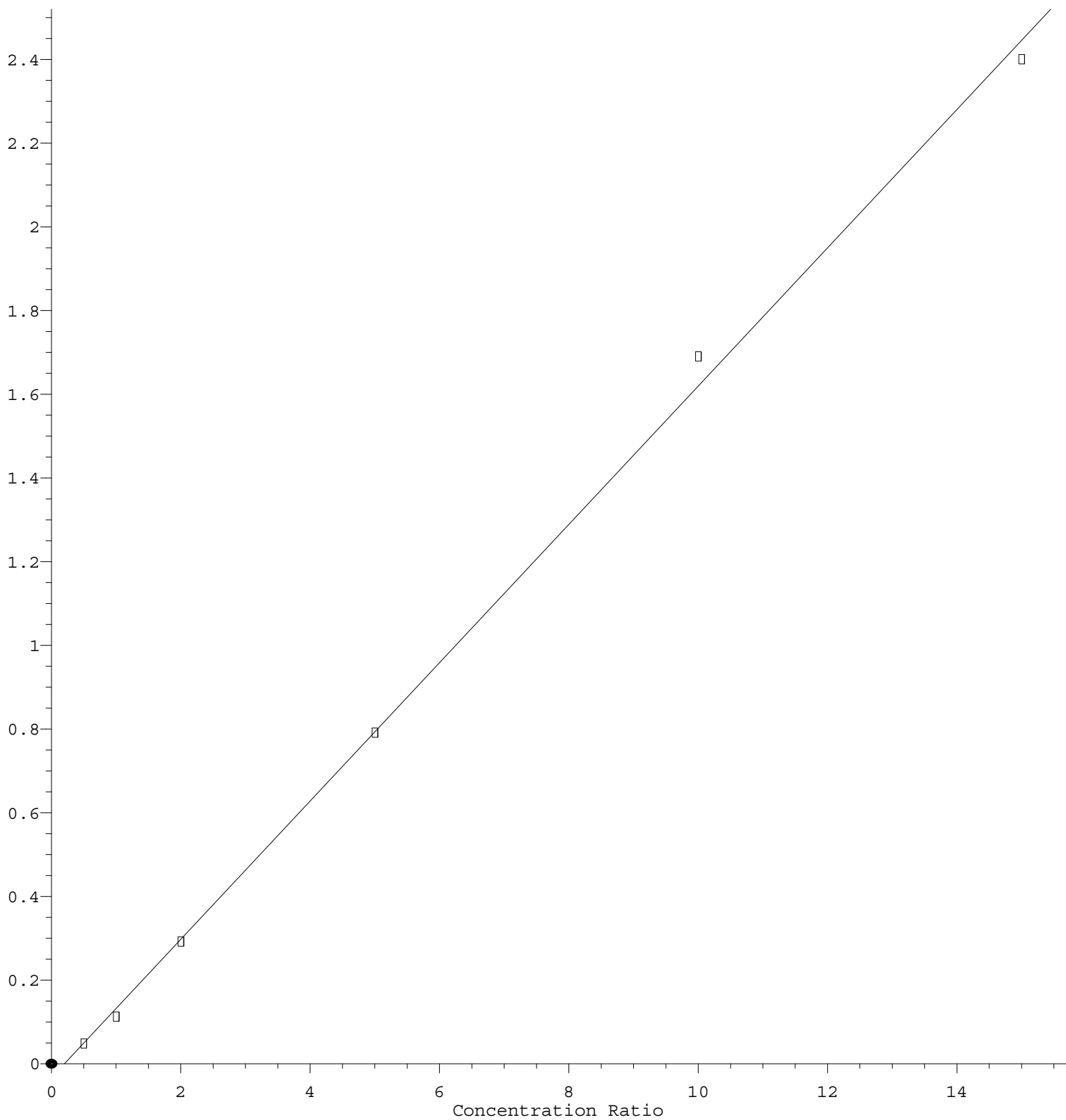
Coef of Det (r^2) = 0.991939 Curve Fit: Linear

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2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 1.653\text{e-}001 * \text{Amt} - 3.357\text{e-}002$$

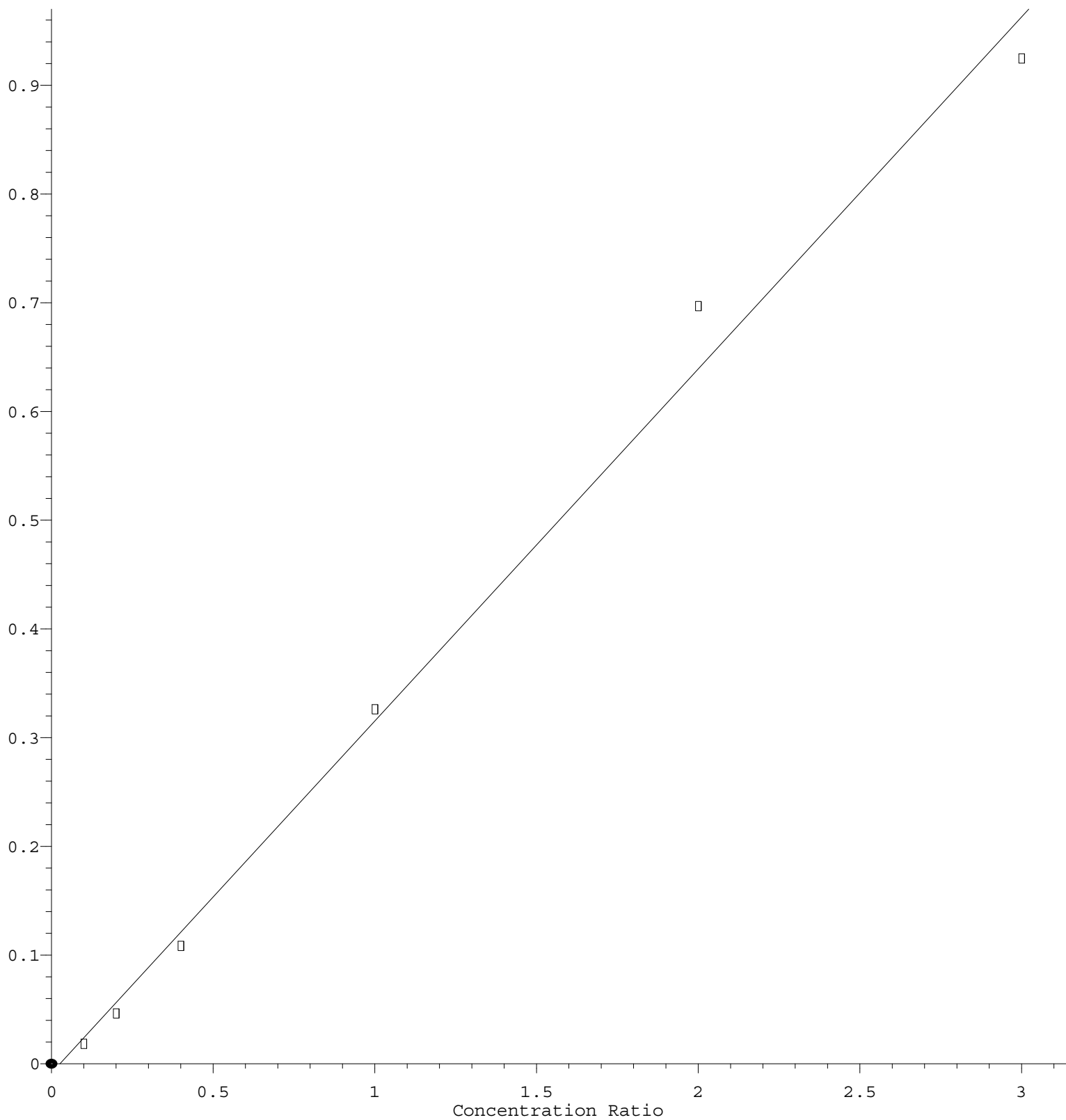
Coef of Det (r^2) = 0.998374 Curve Fit: Linear

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Ethyl methacrylate

Response Ratio



$$\text{Response} = 3.240\text{e-}001 * \text{Amt} - 8.402\text{e-}003$$

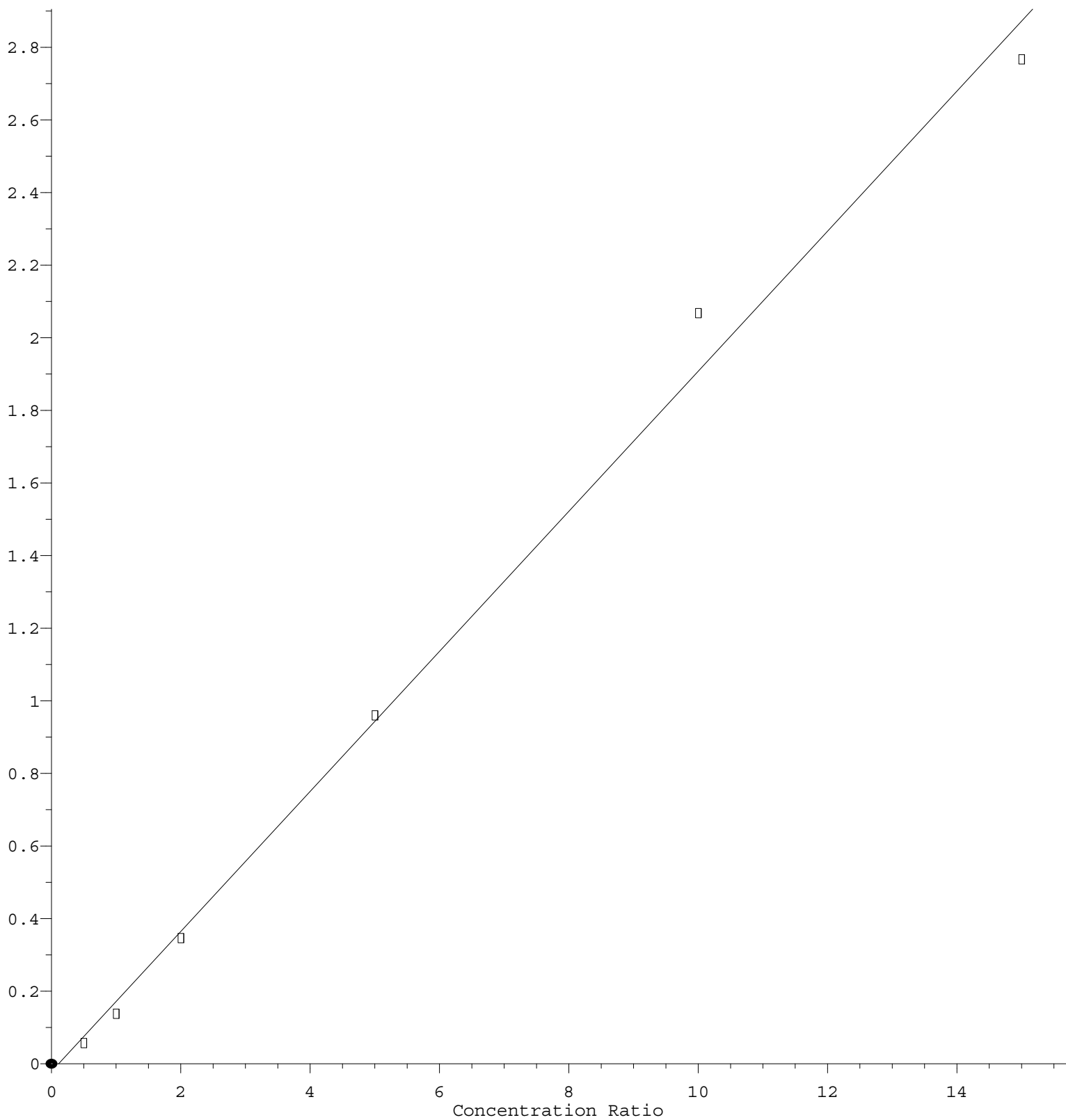
Coef of Det (r^2) = 0.992687 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032224S.M

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4-Methyl-2-Pentanone

Response Ratio



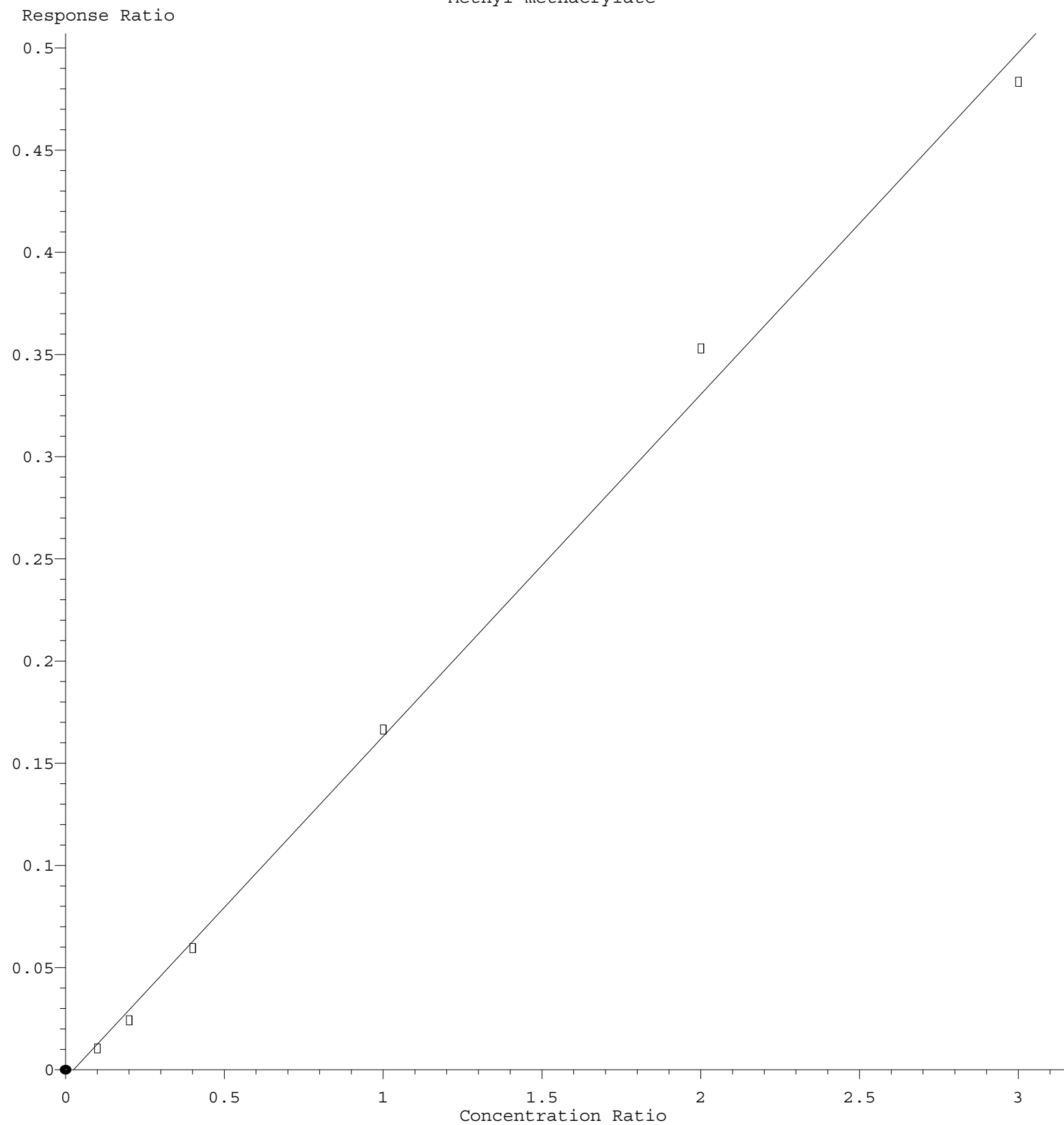
$$\text{Response} = 1.930\text{e-}001 * \text{Amt} - 2.177\text{e-}002$$

Coef of Det (r^2) = 0.993849 Curve Fit: Linear

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Methyl methacrylate



$$\text{Response} = 1.675\text{e-}001 * \text{Amt} - 4.262\text{e-}003$$

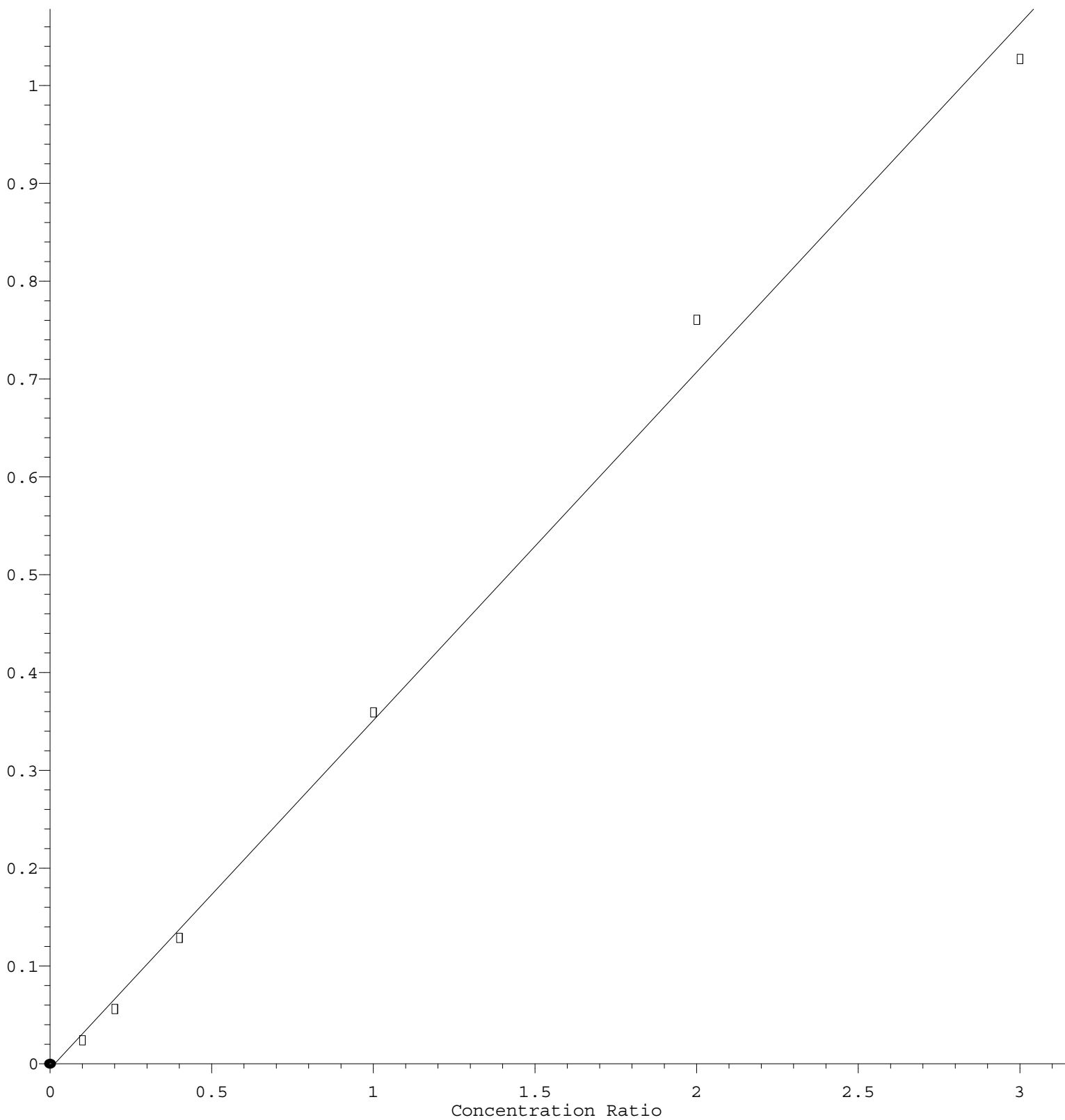
Coef of Det (r^2) = 0.995966 Curve Fit: Linear

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Isopropyl Acetate

Response Ratio



$$\text{Response} = 3.561\text{e-}001 * \text{Amt} - 5.085\text{e-}003$$

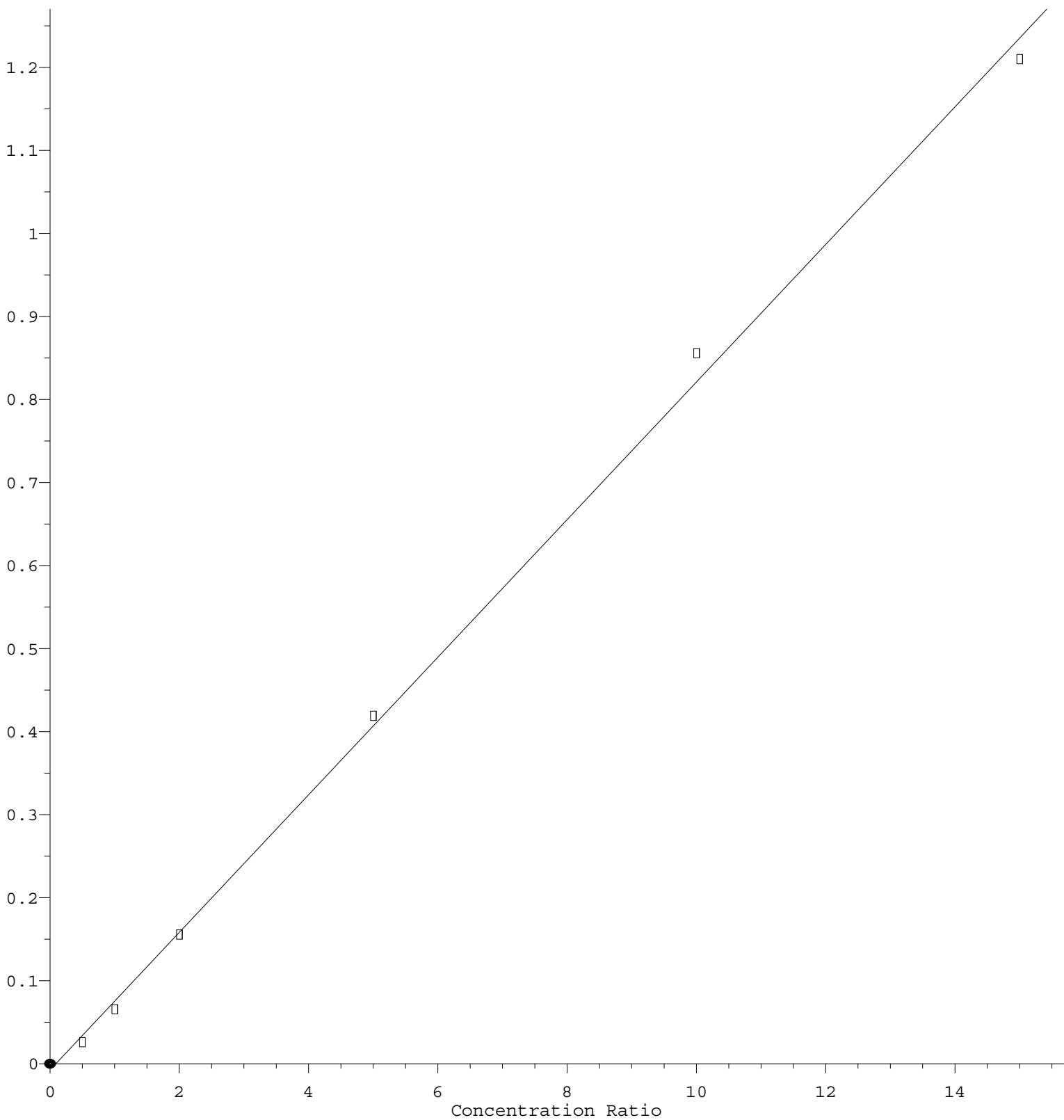
Coef of Det (r^2) = 0.994821 Curve Fit: Linear

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Tetrahydrofuran

Response Ratio



$$\text{Response} = 8.285\text{e-}002 * \text{Amt} - 7.260\text{e-}003$$

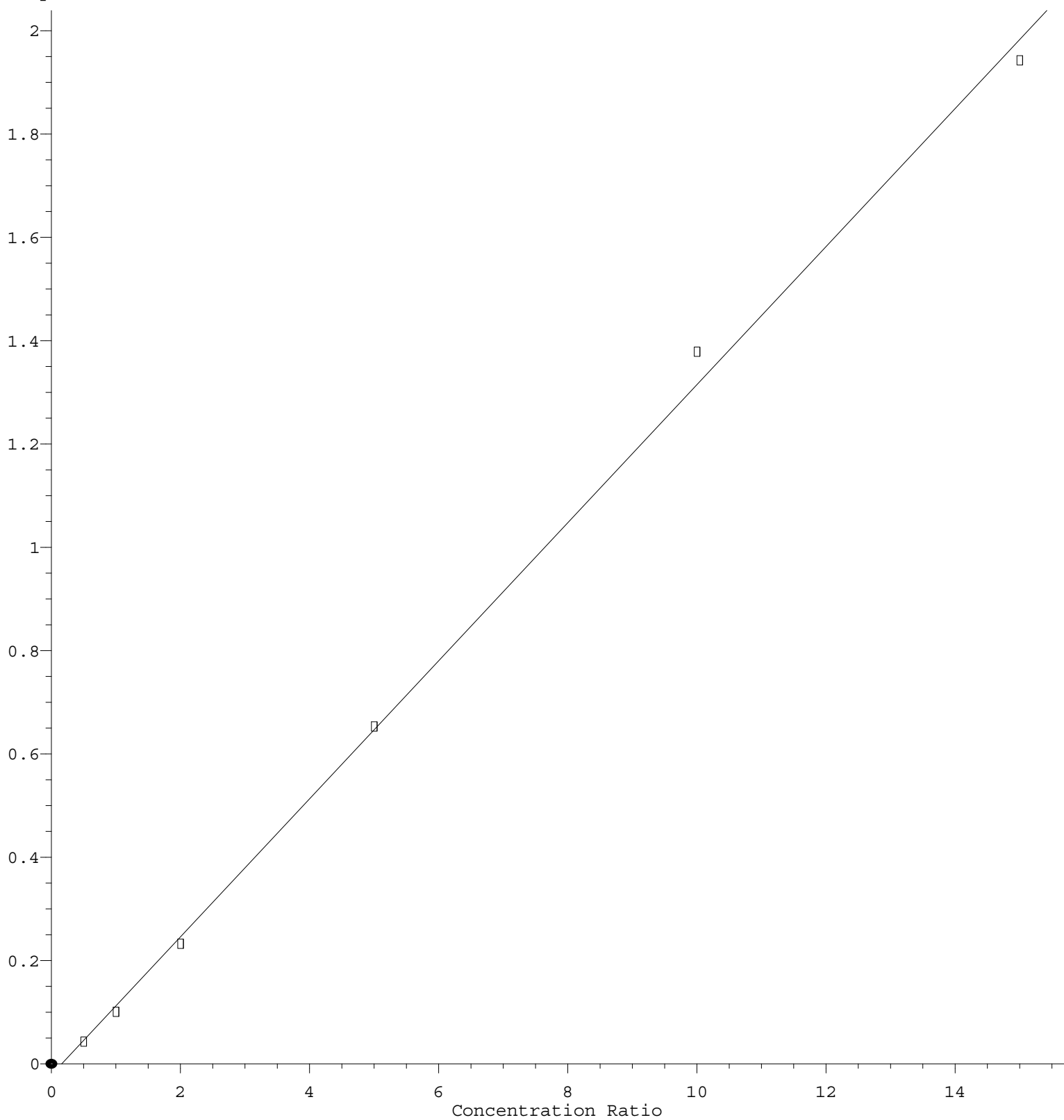
Coef of Det (r^2) = 0.998130 Curve Fit: Linear

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2-Butanone

Response Ratio



$$\text{Response} = 1.337\text{e-}001 * \text{Amt} - 2.131\text{e-}002$$

Coef of Det (r^2) = 0.997985 Curve Fit: Linear

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