

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N062625W.M
 Title : SW846 8260
 Last Update : Fri Jun 27 05:55:21 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN087198.D 5 =VN087199.D 20 =VN087200.D 50 =VN087201.D 100 =VN087202.D 150 =VN087203.D

	Compound	1	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.557	0.753	0.622	0.618	0.612	0.598	0.627	10.59
3) P	Chloromethane	0.536	0.741	0.619	0.594	0.589	0.592	0.612	11.24
4) C	Vinyl Chloride	0.583	0.746	0.677	0.641	0.646	0.673	0.661	8.08#
5) T	Bromomethane		0.405	0.369	0.314	0.316	0.369	0.355	11.04
6) T	Chloroethane	0.316	0.428	0.356	0.341	0.312	0.319	0.345	12.76
7) T	Trichlorofluor...	0.617	0.987	0.888	0.738	0.740	0.755	0.787	16.56
8) T	Diethyl Ether	0.221	0.466	0.406	0.389	0.270	0.348	0.350	25.91
9) T	1,1,2-Trichlor...	0.383	0.778	0.672	0.596	0.527	0.538	0.582	23.18
10) T	Methyl Iodide		0.381	0.449	0.535	0.522	0.563	0.490	15.12
11) T	Tert butyl alc...		0.186	0.167	0.161	0.132	0.146	0.159	13.08
12) CM	1,1-Dichloroet...	0.419	0.766	0.647	0.601	0.538	0.548	0.587	19.88#
13) T	Acrolein		0.151	0.113	0.134	0.116	0.139	0.131	12.07
14) T	Allyl chloride	0.471	1.198	1.022	0.963	0.917	0.930	0.917	26.31
15) T	Acrylonitrile	0.277	0.533	0.463	0.436	0.399	0.405	0.419	20.22
16) T	Acetone	0.229	0.468	0.396	0.357	0.328	0.319	0.350	22.92
17) T	Carbon Disulfide	1.197	2.327	2.019	1.794	1.593	1.587	1.753	22.31
18) T	Methyl Acetate	0.517	1.074	0.943	0.883	0.848	0.859	0.854	21.65
19) T	Methyl tert-bu...	1.321	2.476	2.247	2.087	1.949	2.043	2.020	19.27
20) T	Methylene Chlo...	0.520	0.904	0.754	0.671	0.554	0.632	0.673	20.93
21) T	trans-1,2-Dich...	0.486	0.831	0.720	0.648	0.594	0.624	0.651	17.95
22) T	Diisopropyl ether	1.650	2.494	2.281	2.106	2.055	1.946	2.089	13.80
23) T	Vinyl Acetate	1.454	2.132	2.074	1.919	1.870	1.758	1.868	13.06
24) P	1,1-Dichloroet...	1.019	1.469	1.337	1.229	1.196	1.151	1.234	12.57
25) T	2-Butanone	0.489	0.469	0.629	0.585	0.566	0.535	0.546	11.05
26) T	2,2-Dichloropr...	0.897	0.961	1.103	1.003	0.981	0.938	0.981	7.17
27) T	cis-1,2-Dichlo...	0.692	0.714	0.845	0.776	0.762	0.748	0.756	7.03
28) T	Bromochloromet...	0.494	0.501	0.601	0.587	0.565	0.505	0.542	8.76
29) T	Tetrahydrofuran	0.313	0.305	0.423	0.385	0.372	0.348	0.358	12.53
30) C	Chloroform	1.107	1.146	1.318	1.183	1.135	1.093	1.164	7.06#
31) T	Cyclohexane		1.190	1.143	1.125	1.093	1.020	1.114	5.69
32) T	1,1,1-Trichlor...	1.005	1.005	1.071	1.001	0.977	0.940	1.000	4.29
33) S	1,2-Dichloroet...		0.720	0.715	0.717	0.748	0.698	0.720	2.49
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.276	0.380	0.318	0.324	0.319	0.323	11.45
36) T	1,1-Dichloropr...	0.435	0.383	0.566	0.499	0.477	0.480	0.473	12.94
37) T	Ethyl Acetate	0.464	0.464	0.801	0.634	0.598	0.586	0.591	21.14
38) T	Carbon Tetrach...	0.404	0.405	0.560	0.482	0.456	0.459	0.461	12.51
39) T	Methylcyclohexane	0.491	0.554	0.717	0.569	0.569	0.566	0.578	12.87
40) TM	Benzene	1.393	1.205	1.710	1.512	1.485	1.474	1.463	11.26
41) T	Methacrylonitrile	0.262	0.227	0.396	0.336	0.321	0.318	0.310	19.00
42) TM	1,2-Dichloroet...	0.468	0.445	0.503	0.502	0.471	0.466	0.476	4.78
43) T	Isopropyl Acetate	0.802	0.738	0.904	0.967	0.914	0.898	0.870	9.66
44) TM	Trichloroethene	0.311	0.359	0.425	0.348	0.334	0.325	0.350	11.51
45) C	1,2-Dichloropr...	0.319	0.390	0.479	0.373	0.354	0.348	0.377	14.67#
46) T	Dibromomethane	0.219	0.268	0.328	0.253	0.248	0.217	0.256	15.90
47) T	Bromodichlorom...	0.458	0.537	0.657	0.493	0.500	0.434	0.513	15.36
48) T	Methyl methacr...	0.328	0.401	0.526	0.436	0.429	0.406	0.421	15.26
49) T	1,4-Dioxane	0.003	0.005	0.007	0.007	0.006	0.005	0.006	30.37
50) S	Toluene-d8		1.214	1.587	1.303	1.322	1.258	1.337	10.90
51) T	4-Methyl-2-Pen...	0.359	0.536	0.733	0.612	0.572	0.550	0.561	21.71
52) CM	Toluene	0.758	0.899	1.179	0.964	0.922	0.891	0.935	14.74#
53) T	t-1,3-Dichloro...	0.436	0.557	0.714	0.593	0.570	0.564	0.572	15.50
54) T	cis-1,3-Dichlo...	0.494	0.597	0.772	0.618	0.606	0.567	0.609	15.06
55) T	1,1,2-Trichlor...	0.297	0.349	0.450	0.360	0.341	0.326	0.354	14.65
56) T	Ethyl methacry...	0.228	0.442	0.684	0.607	0.597	0.588	0.524	31.52

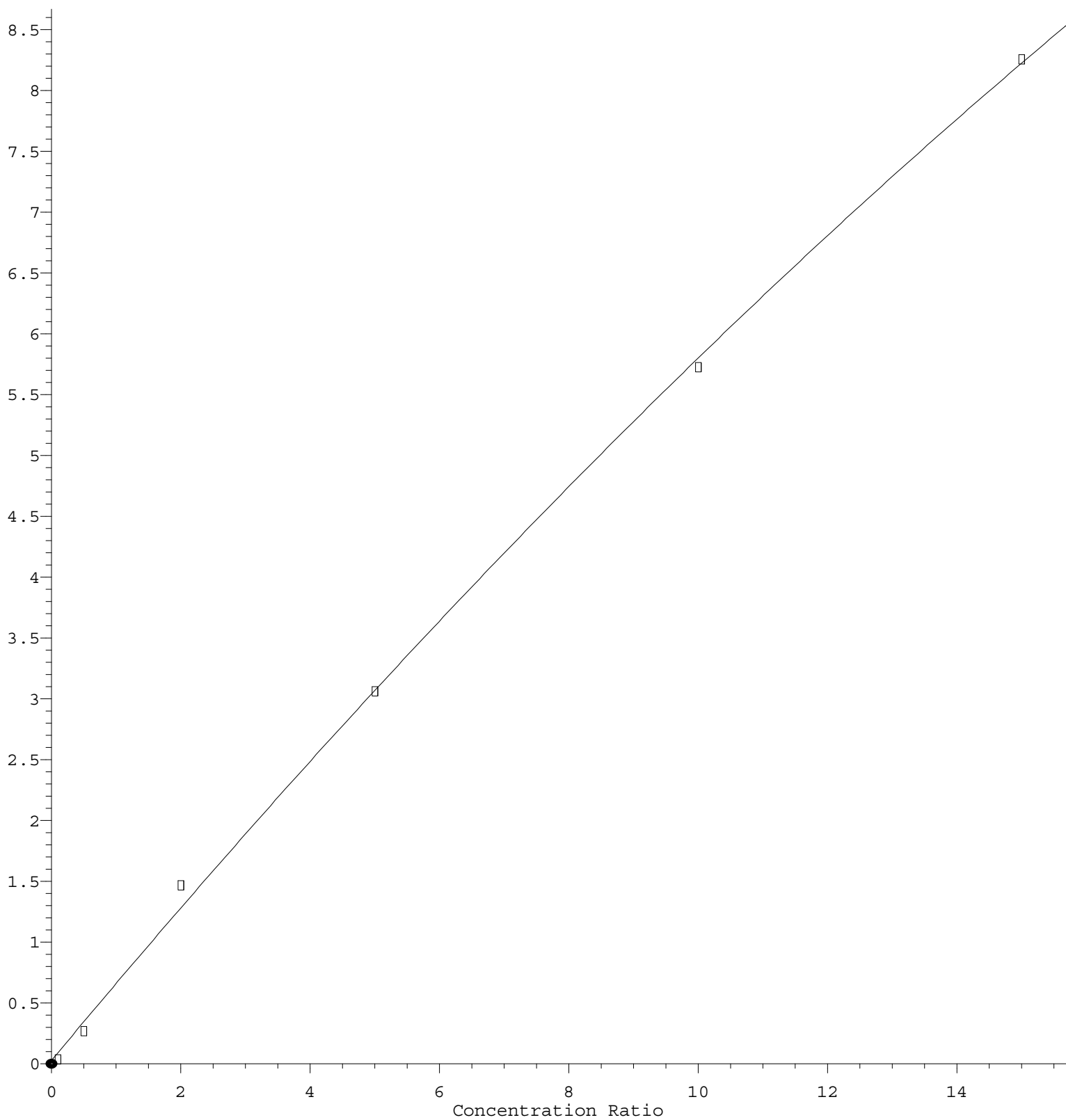
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57)	T	1,3-Dichloropr...	0.505	0.625	0.788	0.639	0.608	0.584	0.625	14.85
58)	T	2-Chloroethyl ...	0.122	0.290	0.334	0.326	0.338	0.310	0.286	28.83
59)	T	2-Hexanone	0.316	0.384	0.433	0.404	0.395	0.392	0.387	10.03
60)	T	Dibromochlorom...	0.316	0.377	0.477	0.391	0.377	0.370	0.385	13.54
61)	T	1,2-Dibromoethane	0.307	0.360	0.469	0.383	0.362	0.363	0.374	14.16
62)	S	4-Bromofluorob...	0.411	0.545	0.456	0.457	0.450	0.464		10.61
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.284	0.316	0.316	0.309	0.315	0.296	0.306	4.28
65)	PM	Chlorobenzene	1.057	1.148	1.156	1.111	1.098	1.085	1.109	3.42
66)	T	1,1,1,2-Tetrac...	0.328	0.360	0.372	0.358	0.355	0.352	0.354	4.13
67)	C	Ethyl Benzene	1.577	1.825	1.933	1.939	1.916	1.908	1.850	7.55#
68)	T	m/p-Xylenes	0.600	0.667	0.752	0.744	0.749	0.734	0.708	8.70
69)	T	o-Xylene	0.549	0.489	0.693	0.712	0.713	0.704	0.643	15.32
70)	T	Styrene	0.899	0.884	1.200	1.225	1.219	1.199	1.104	14.99
71)	P	Bromoform	0.225	0.256	0.273	0.279	0.274	0.271	0.263	7.64
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.874	2.895	3.671	3.539	3.735	3.595	3.385	11.62
74)	T	N-amyl acetate	1.111	1.283	1.313	1.182	1.327	1.340	1.259	7.32
75)	P	1,1,2,2-Tetrac...	1.163	1.210	1.308	1.212	1.237	1.185	1.219	4.12
76)	T	1,2,3-Trichlor...	1.070	1.061	1.074	1.162	1.200	1.127	1.116	5.10
77)	T	Bromobenzene	0.713	0.773	0.879	0.831	0.874	0.865	0.823	8.08
78)	T	n-propylbenzene	3.478	3.729	4.495	4.341	4.537	4.434	4.169	10.79
79)	T	2-Chlorotoluene	2.676	2.339	2.711	2.567	2.664	2.615	2.595	5.22
80)	T	1,3,5-Trimethy...	2.244	2.513	3.023	2.936	3.072	2.977	2.794	12.02
81)	T	trans-1,4-Dich...	0.452	0.518	0.454	0.536	0.526	0.497		8.22
82)	T	4-Chlorotoluene	2.214	2.421	2.784	2.642	2.745	2.719	2.587	8.66
83)	T	tert-Butylbenzene	1.913	2.245	2.550	2.522	2.597	2.573	2.400	11.30
84)	T	1,2,4-Trimethy...	2.245	2.624	3.053	2.975	3.095	3.019	2.835	11.82
85)	T	sec-Butylbenzene	2.790	3.399	3.839	3.691	3.789	3.710	3.536	11.21
86)	T	p-Isopropyltol...	2.217	2.725	3.129	3.058	3.174	3.098	2.900	12.80
87)	T	1,3-Dichlorobe...	1.570	1.632	1.749	1.632	1.692	1.657	1.655	3.67
88)	T	1,4-Dichlorobe...	1.683	1.771	1.723	1.678	1.700	1.658	1.702	2.38
89)	T	n-Butylbenzene	2.279	2.603	2.918	2.793	2.809	2.766	2.695	8.44
90)	T	Hexachloroethane	0.531	0.542	0.574	0.560	0.583	0.578	0.561	3.73
91)	T	1,2-Dichlorobe...	1.520	1.512	1.614	1.558	1.580	1.570	1.559	2.45
92)	T	1,2-Dibromo-3-...	0.257	0.276	0.285	0.283	0.289	0.280	0.278	4.06
93)	T	1,2,4-Trichlor...	0.721	0.855	0.903	0.894	0.914	0.922	0.868	8.73
94)	T	Hexachlorobuta...	0.244	0.295	0.282	0.272	0.270	0.280	0.274	6.19
95)	T	Naphthalene	2.561	2.930	3.399	3.471	3.690	3.705	3.293	13.83
96)	T	1,2,3-Trichlor...	0.763	0.848	0.870	0.875	0.884	0.902	0.857	5.76

(#) = Out of Range

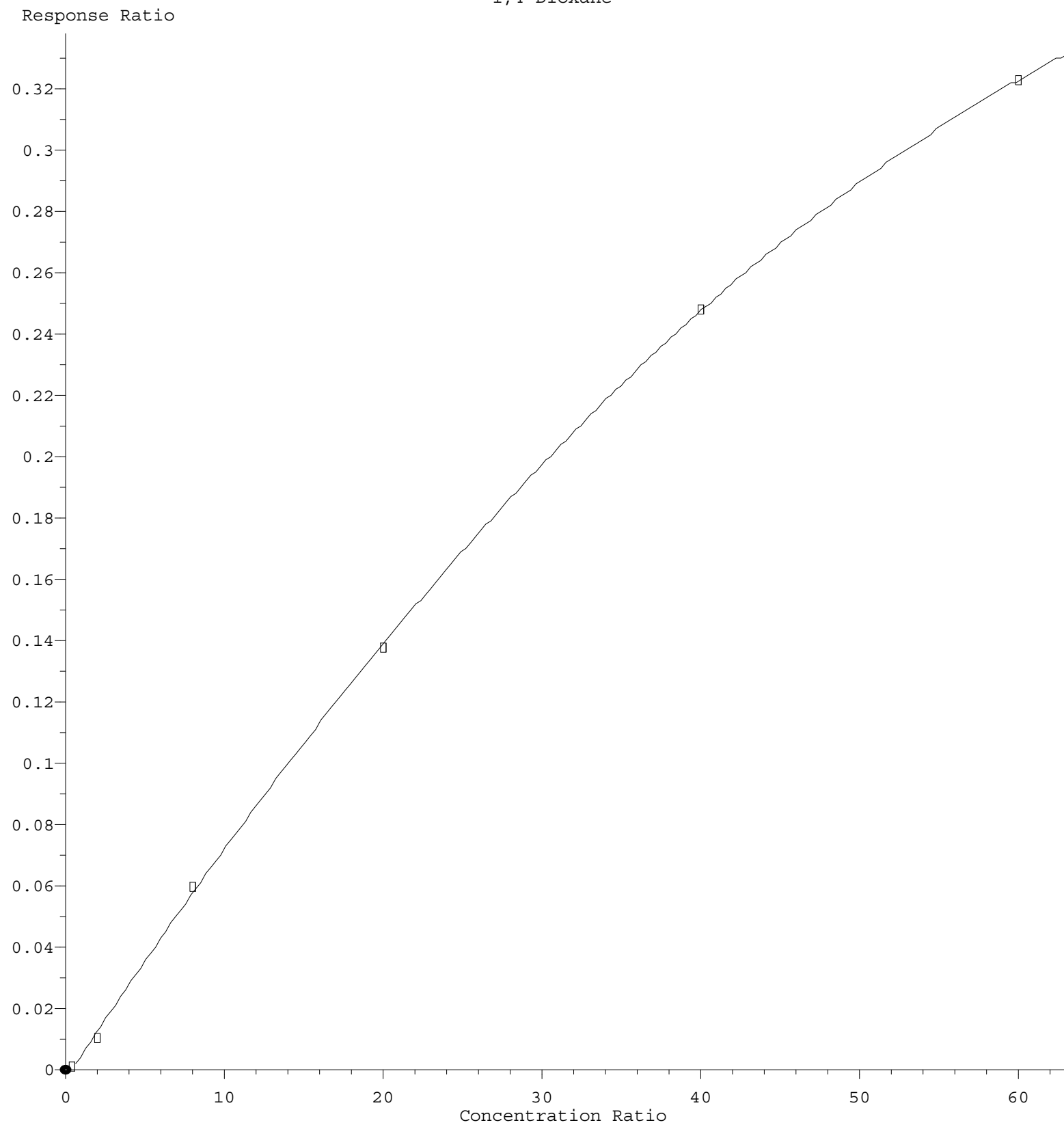
4-Methyl-2-Pentanone

Response Ratio



$R = -6.179e-003 A^2 + 6.391e-001 A + 2.769e-002$
Coef of Det (r^2) = 0.999061 Curve Fit: Quadratic
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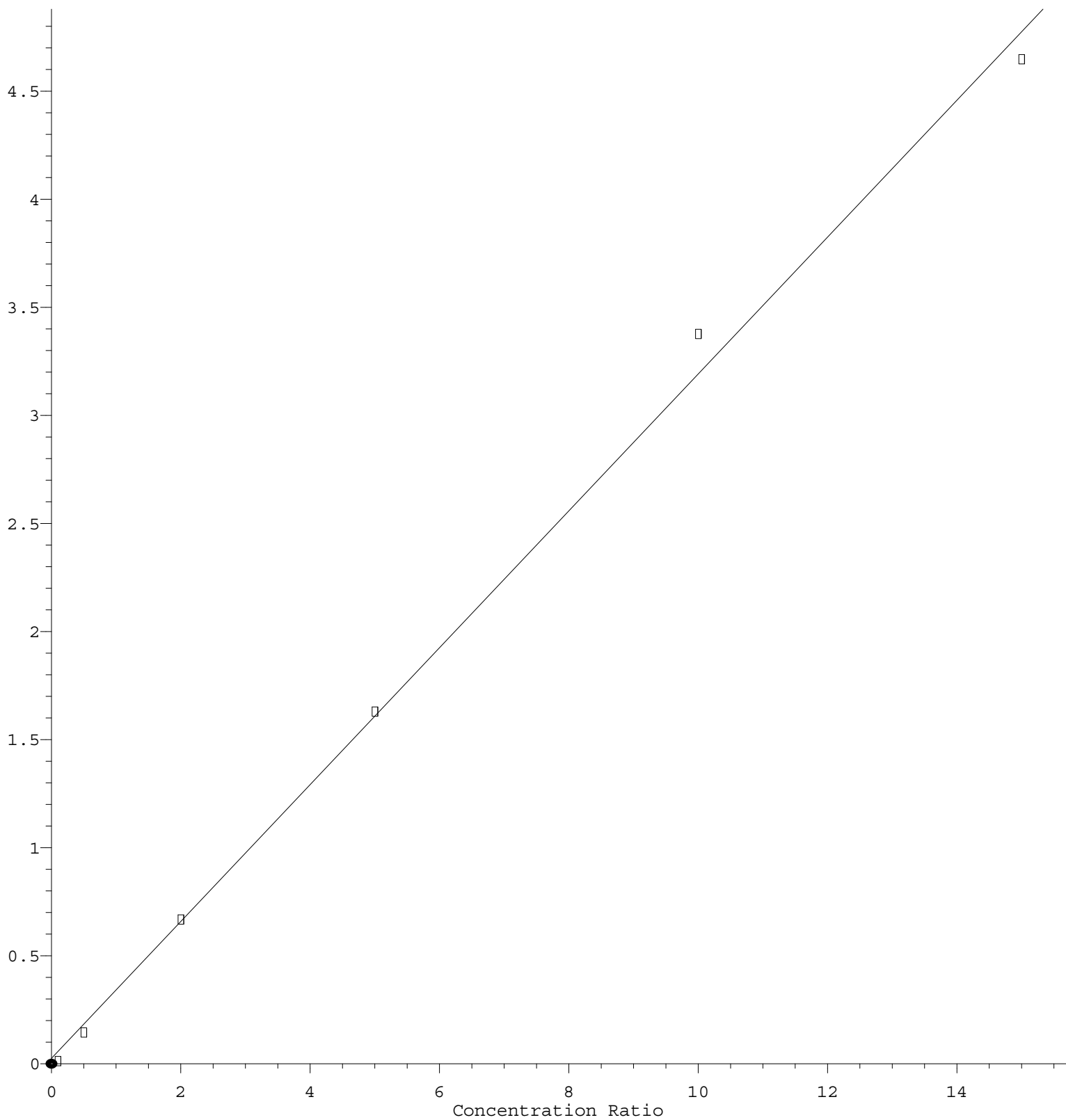
1,4-Dioxane



$R = -4.171e-005 A^2 + 7.937e-003 A - 3.164e-003$
Coef of Det (r^2) = 0.999869 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N062625W.M
Calibration Table Last Updated: Fri Jun 27 05:55:21 2025

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 3.167\text{e-}001 * \text{Amt} + 2.537\text{e-}002$$

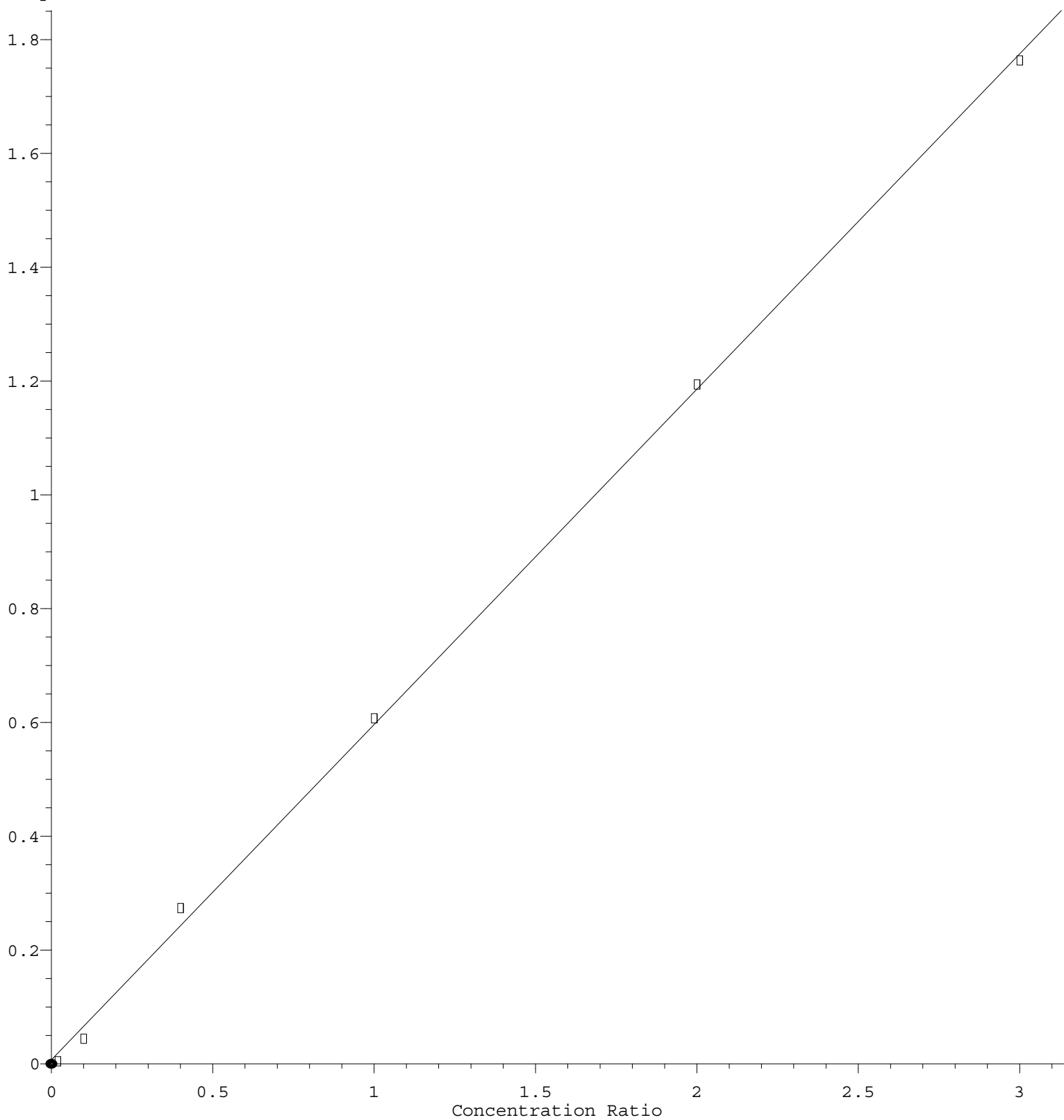
Coef of Det (r^2) = 0.996942 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N062625W.M

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Ethyl methacrylate

Response Ratio



$$\text{Response} = 5.893e-001 * \text{Amt} + 7.434e-003$$

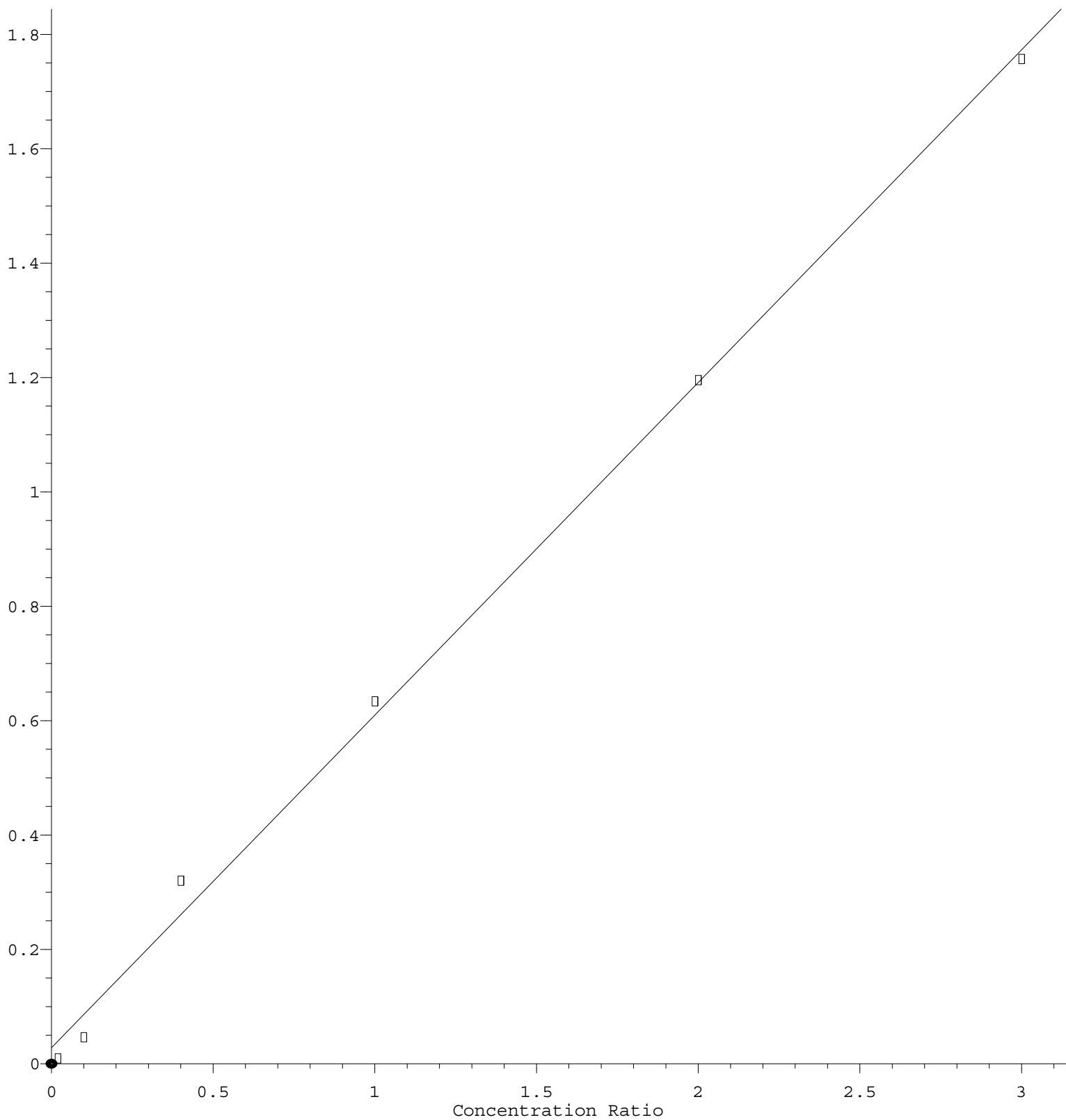
Coef of Det (r^2) = 0.999208 Curve Fit: Linear

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Ethyl Acetate

Response Ratio



$$\text{Response} = 5.819\text{e-}001 * \text{Amt} + 2.801\text{e-}002$$

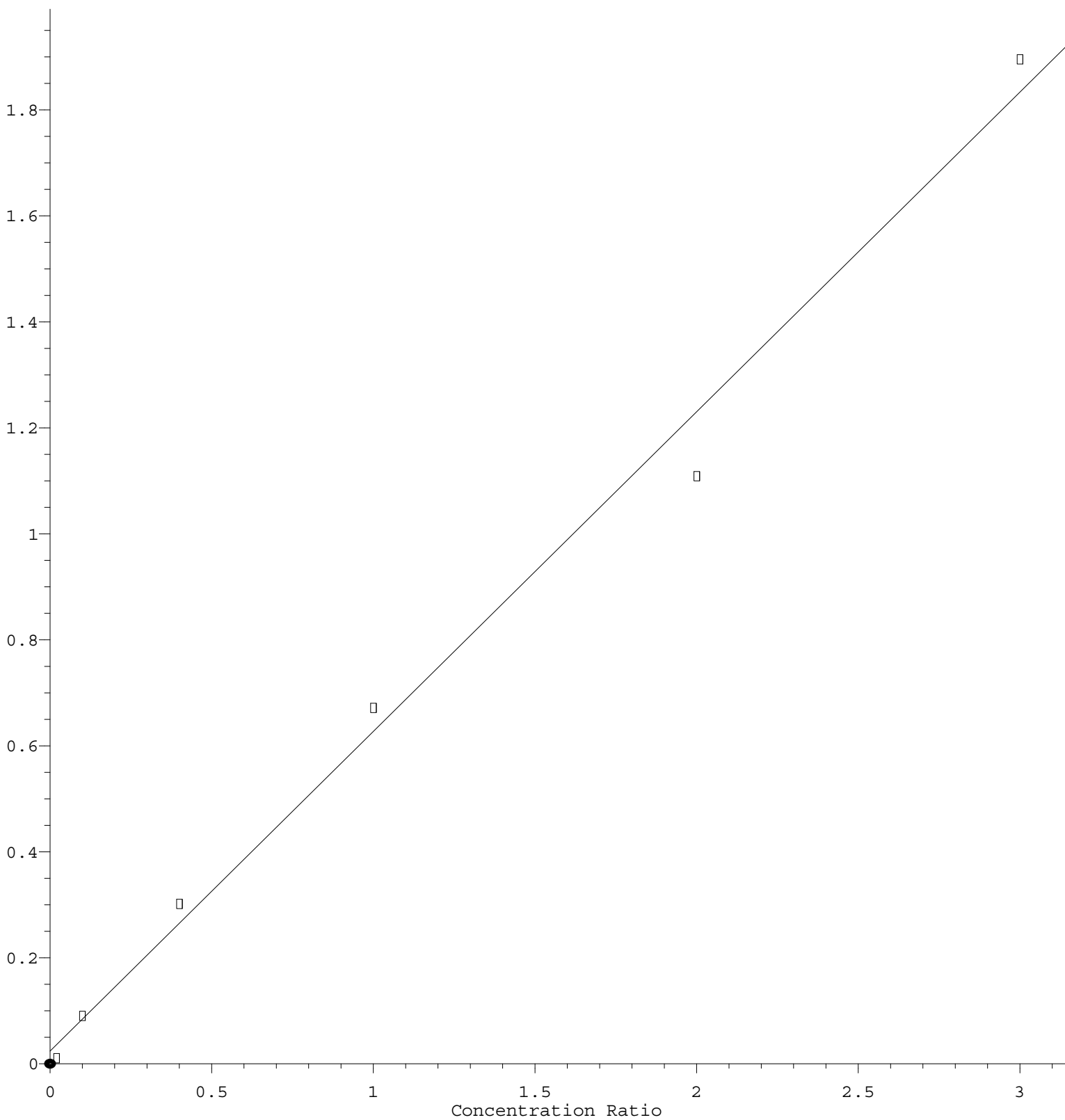
Coef of Det (r^2) = 0.997130 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N062625W.M

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Methylene Chloride

Response Ratio



$$\text{Response} = 6.031\text{e-}001 * \text{Amt} + 2.428\text{e-}002$$

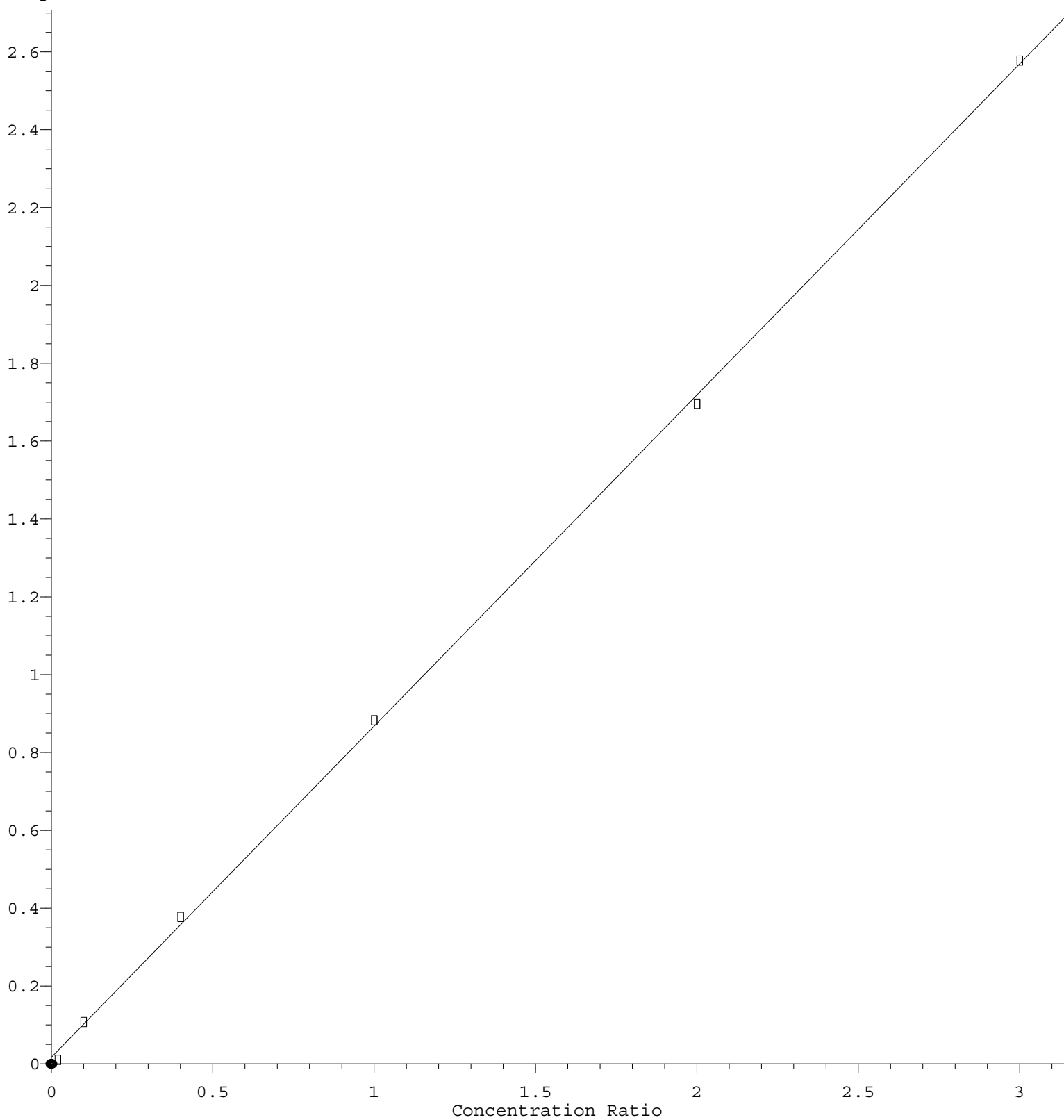
Coef of Det (r^2) = 0.991306 Curve Fit: Linear

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Methyl Acetate

Response Ratio



$$\text{Response} = 8.508\text{e-}001 * \text{Amt} + 1.735\text{e-}002$$

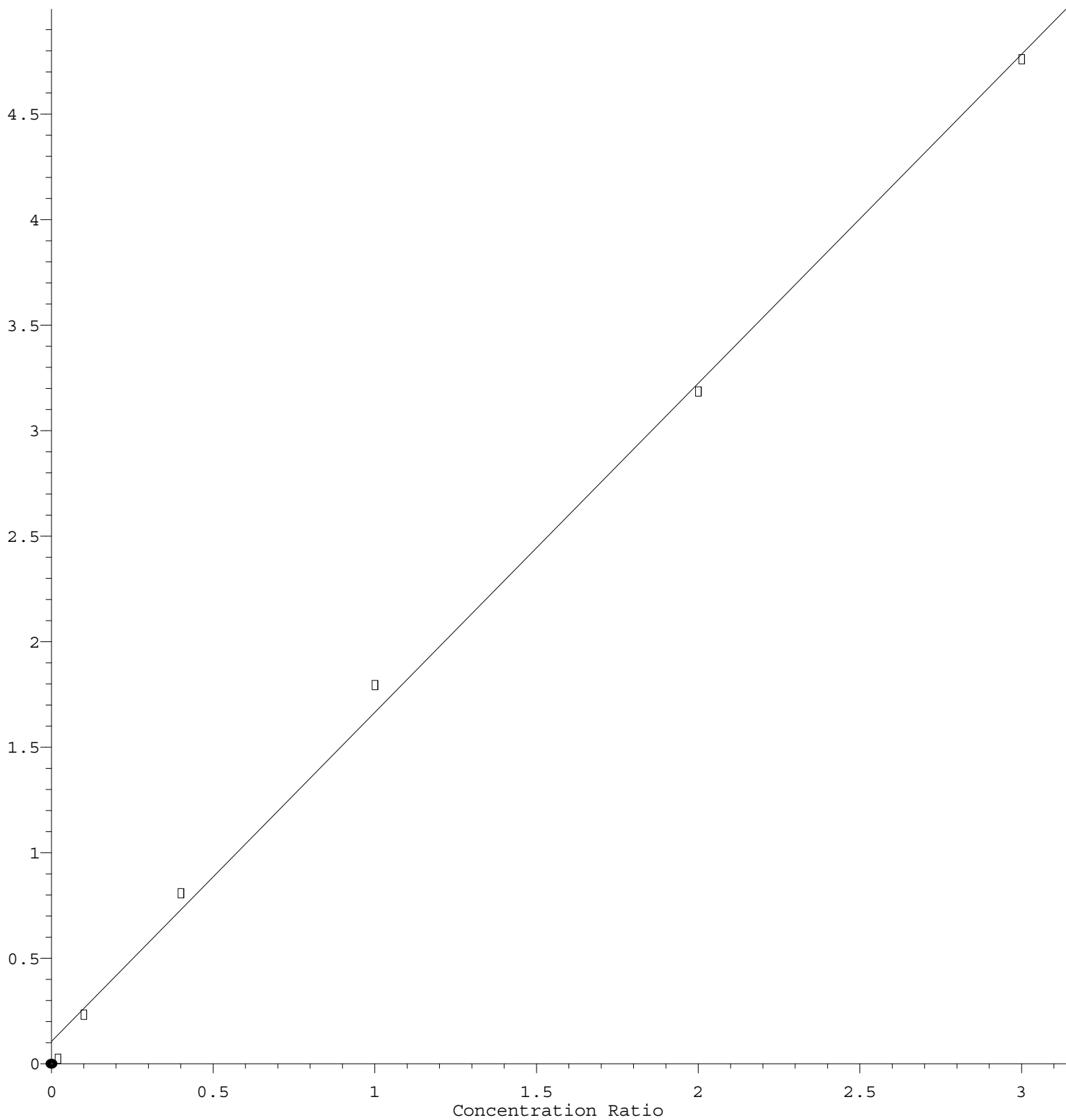
Coef of Det (r^2) = 0.999651 Curve Fit: Linear

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Carbon Disulfide

Response Ratio



$$\text{Response} = 1.560\text{e}+000 * \text{Amt} + 1.057\text{e}-001$$

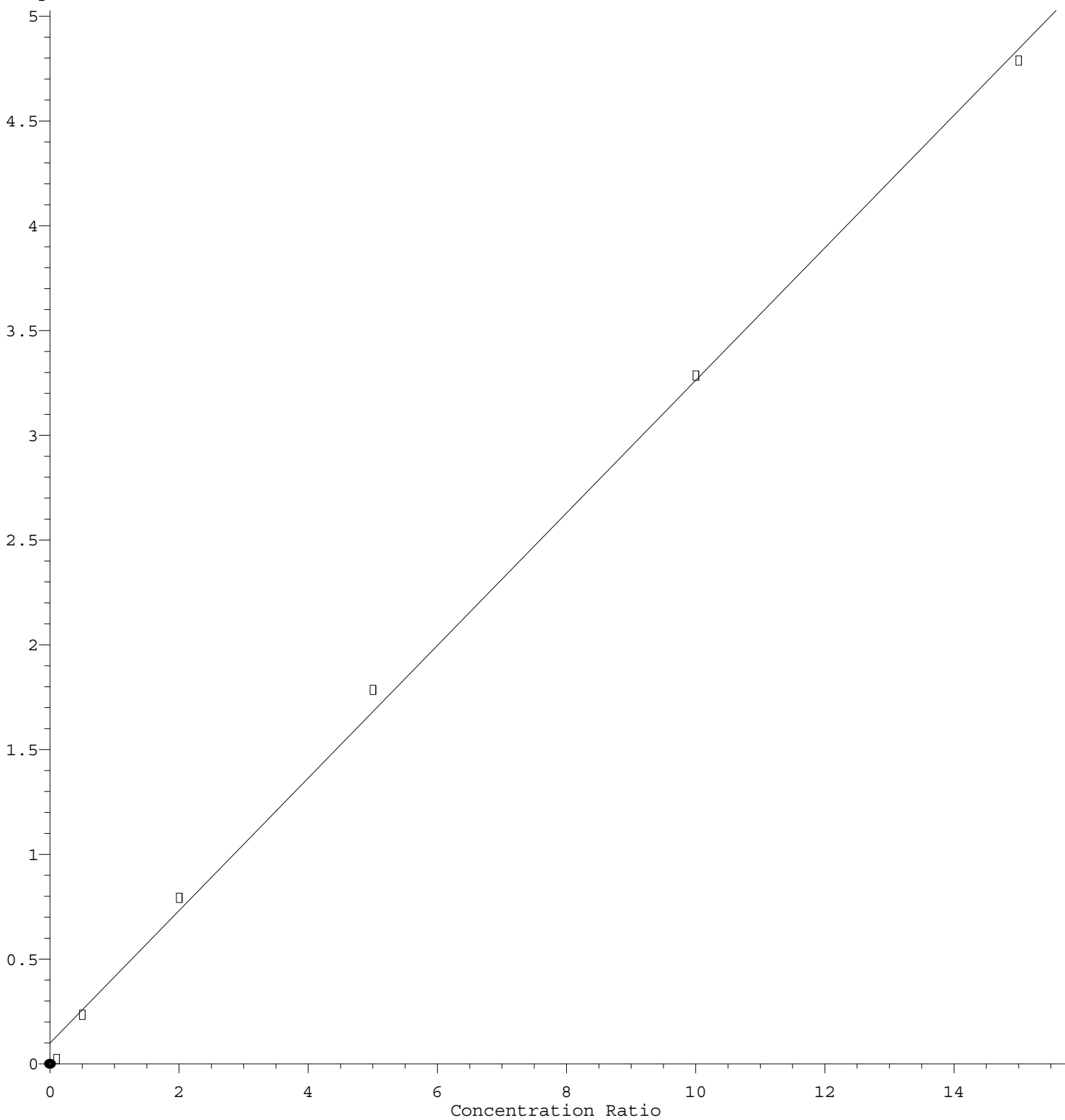
Coef of Det (r^2) = 0.997776 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 3.164\text{e-}001 * \text{Amt} + 9.886\text{e-}002$$

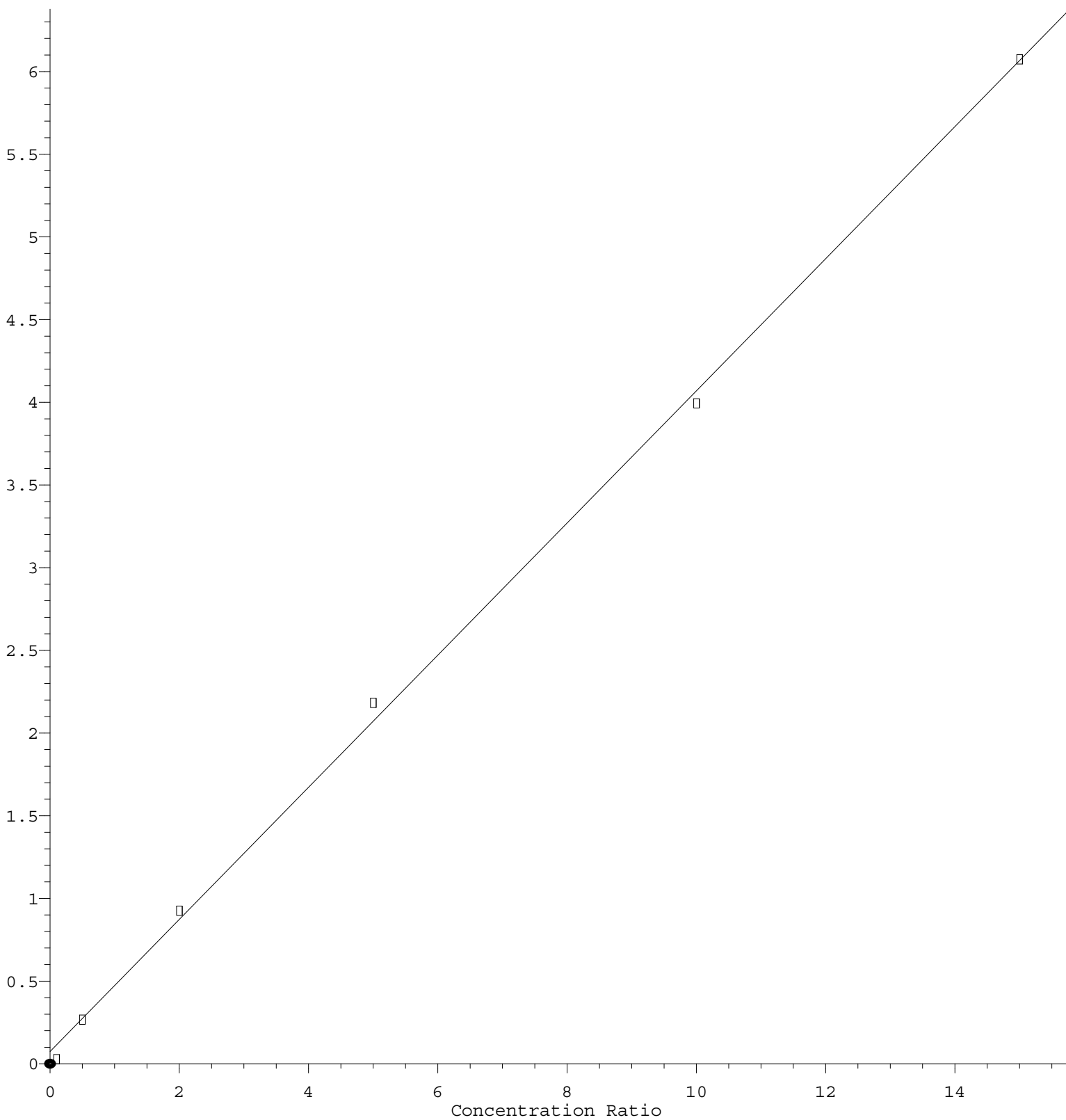
Coef of Det (r^2) = 0.998301 Curve Fit: Linear

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Acrylonitrile

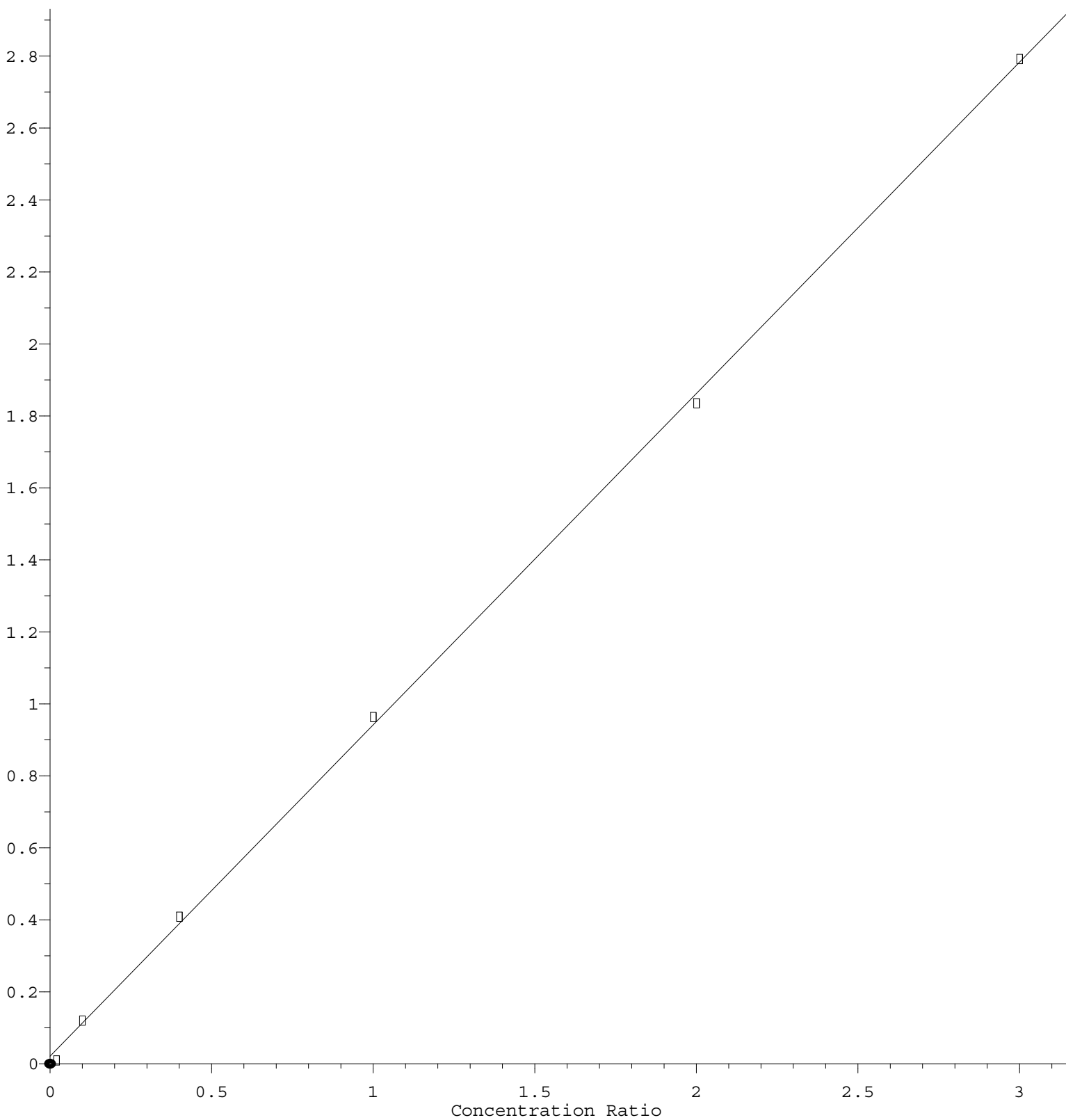
Response Ratio



Response = 3.995e-001 * Amt + 7.442e-002
 Coef of Det (r^2) = 0.999002 Curve Fit: Linear
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Allyl chloride

Response Ratio



$$\text{Response} = 9.208\text{e-}001 * \text{Amt} + 2.059\text{e-}002$$

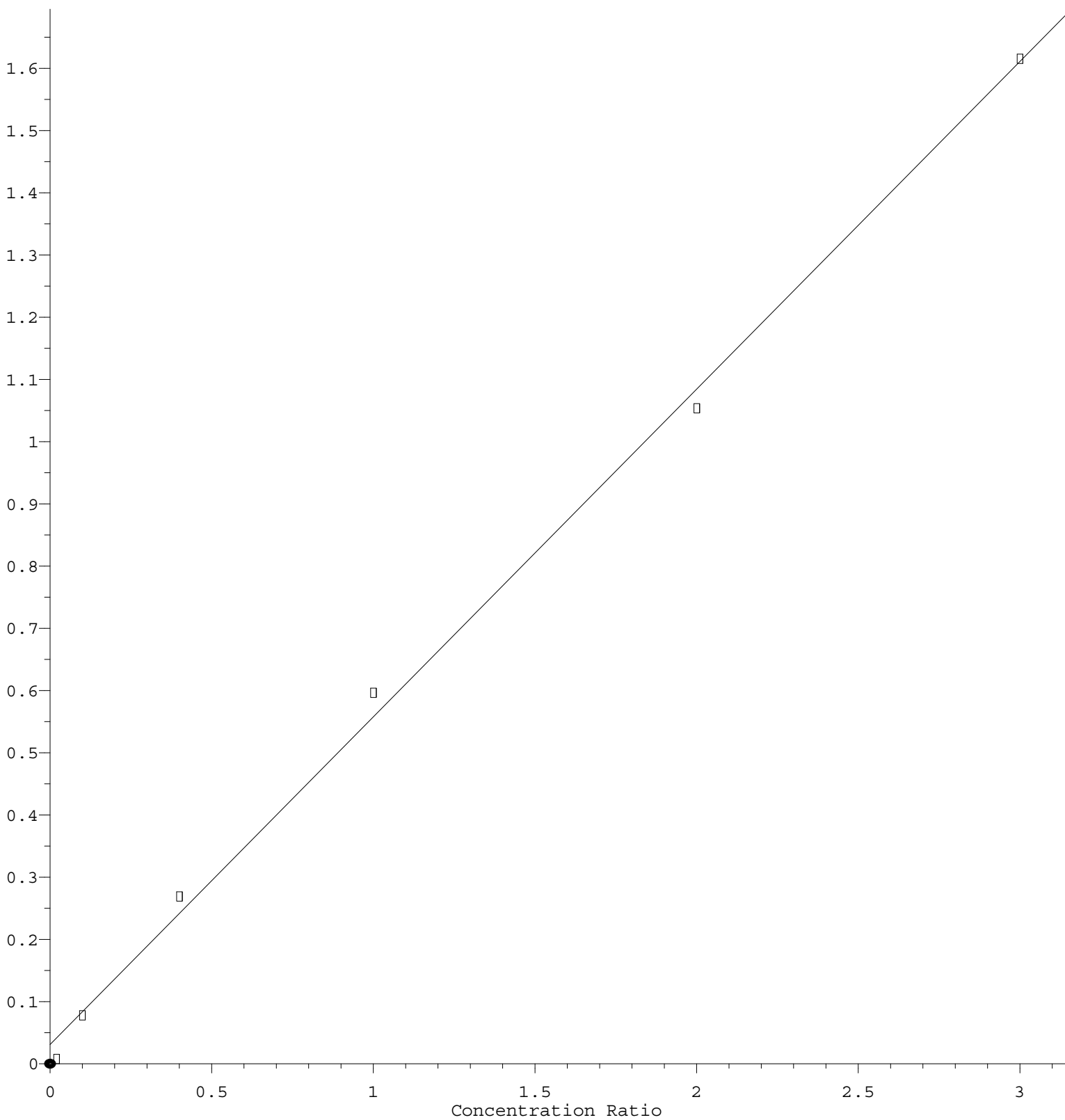
Coef of Det (r^2) = 0.999566 Curve Fit: Linear

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1,1,2-Trichlorotrifluoroethane

Response Ratio



$$\text{Response} = 5.266\text{e-}001 * \text{Amt} + 3.095\text{e-}002$$

Coef of Det (r^2) = 0.997775 Curve Fit: Linear

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