

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D102722S.M
 Title : SW846 8260
 Last Update : Fri Oct 28 00:18:17 2022
 Response Via : Initial Calibration

Calibration Files

10 =VD074654.D 5 =VD074653.D 20 =VD074655.D 50 =VD074657.D 100 =VD074658.D 150 =VD074659.D

	Compound	10	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.441	0.454	0.499	0.399	0.397	0.398	0.431	9.56
3) P	Chloromethane	0.814	0.761	0.705	0.619	0.558	0.561	0.670	15.98
4) C	Vinyl Chloride	0.739	0.720	0.751	0.702	0.679	0.695	0.714	3.84#
5) T	Bromomethane	0.666	0.723	0.547	0.498	0.526	0.539	0.583	15.35
6) T	Chloroethane	0.519	0.495	0.503	0.469	0.461	0.471	0.486	4.71
7) T	Trichlorofluor...	0.784	0.870	0.857	0.818	0.817	0.832	0.830	3.72
8) T	Diethyl Ether	0.328	0.215	0.233	0.245	0.235	0.249	0.251	15.73
9) T	1,1,2-Trichlor...	0.473	0.551	0.514	0.510	0.515	0.521	0.514	4.87
10) T	Methyl Iodide	0.447	0.442	0.569	0.609	0.716	0.766	0.592	22.68
11) T	Tert butyl alc...	0.091	0.113	0.054	0.034	0.028	0.028	0.058	62.81
12) CM	1,1-Dichloroet...	0.534	0.577	0.535	0.529	0.541	0.551	0.545	3.21#
13) T	Acrolein	0.053	0.024	0.039	0.035	0.034	0.037	0.037	24.89
14) T	Allyl chloride	0.594	0.556	0.538	0.563	0.569	0.574	0.566	3.29
15) T	Acrylonitrile	0.137	0.089	0.087	0.091	0.087	0.093	0.097	20.29
16) T	Acetone	0.099	0.078	0.065	0.081	0.071	0.070	0.078	15.50
17) T	Carbon Disulfide	1.671	1.714	1.664	1.626	1.613	1.632	1.653	2.25
18) T	Methyl Acetate	0.349	0.246	0.238	0.206	0.200	0.218	0.243	22.70
19) T	Methyl tert-bu...	1.275	0.934	0.982	1.038	1.000	1.041	1.045	11.41
20) T	Methylene Chlo...	1.432	2.124	0.968	0.665	0.571	0.578	1.057	58.45
21) T	trans-1,2-Dich...	0.638	0.612	0.581	0.603	0.591	0.606	0.605	3.27
22) T	Diisopropyl ether	1.310	1.091	1.164	1.217	1.168	1.194	1.191	6.08
23) T	Vinyl Acetate	0.465	0.390	0.388	0.476	0.522	0.536	0.463	13.64
24) P	1,1-Dichloroet...	0.976	0.914	0.877	0.887	0.853	0.872	0.896	4.87
25) T	2-Butanone	0.143	0.102	0.096	0.106	0.096	0.100	0.107	16.76
26) T	2,2-Dichloropr...	0.781	0.837	0.744	0.778	0.777	0.785	0.784	3.83
27) T	cis-1,2-Dichlo...	0.720	0.627	0.633	0.655	0.646	0.669	0.658	5.13
28) T	Bromochloromet...	0.386	0.285	0.284	0.303	0.292	0.295	0.308	12.69
29) T	Tetrahydrofuran	0.089	0.056	0.058	0.063	0.060	0.062	0.065	18.63
30) C	Chloroform	1.089	0.964	0.941	0.948	0.912	0.932	0.964	6.60#
31) T	Cyclohexane	0.687	0.898	0.749	0.779	0.763	0.764	0.773	8.94
32) T	1,1,1-Trichlor...	0.846	0.866	0.819	0.853	0.837	0.859	0.847	1.99
33) S	1,2-Dichloroet...	0.526	0.406	0.406	0.414	0.385	0.396	0.422	12.36
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.335	0.294	0.299	0.308	0.294	0.301	0.305	5.00
36) T	1,1-Dichloropr...	0.383	0.422	0.442	0.459	0.450	0.455	0.435	6.55
37) T	Ethyl Acetate	0.175	0.121	0.136	0.136	0.129	0.137	0.139	13.46
38) T	Carbon Tetrach...	0.327	0.377	0.396	0.441	0.438	0.447	0.404	11.62
39) T	Methylcyclohexane	0.416	0.508	0.535	0.579	0.579	0.575	0.532	11.97
40) TM	Benzene	1.312	1.325	1.306	1.373	1.307	1.337	1.327	1.92
41) T	Methacrylonitrile	0.063	0.056	0.072	0.077	0.085	0.077	0.072	14.49
42) TM	1,2-Dichloroet...	0.362	0.305	0.301	0.315	0.293	0.299	0.312	8.13
43) T	Isopropyl Acetate	0.326	0.247	0.250	0.264	0.251	0.268	0.268	11.06
44) TM	Trichloroethene	0.378	0.393	0.376	0.398	0.390	0.400	0.389	2.56
45) C	1,2-Dichloropr...	0.322	0.293	0.296	0.304	0.294	0.267	0.296	6.09#
46) T	Dibromomethane	0.205	0.169	0.168	0.175	0.166	0.154	0.173	9.89
47) T	Bromodichlorom...	0.464	0.406	0.411	0.426	0.412	0.377	0.416	6.86
48) T	Methyl methacr...	0.145	0.096	0.120	0.121	0.119	0.112	0.119	13.19
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	13.71
50) S	Toluene-d8	1.221	1.213	1.187	1.254	1.086	1.084	1.174	6.15
51) T	4-Methyl-2-Pen...	0.159	0.116	0.120	0.136	0.124	0.121	0.129	12.42
52) CM	Toluene	0.832	0.854	0.837	0.899	0.777	0.785	0.831	5.42#
53) T	t-1,3-Dichloro...	0.381	0.335	0.347	0.382	0.342	0.353	0.357	5.61
54) T	cis-1,3-Dichlo...	0.475	0.429	0.434	0.486	0.472	0.433	0.455	5.60
55) T	1,1,2-Trichlor...	0.290	0.243	0.223	0.243	0.203	0.211	0.236	13.19
56) T	Ethyl methacry...	0.307	0.231	0.246	0.276	0.244	0.252	0.259	10.67

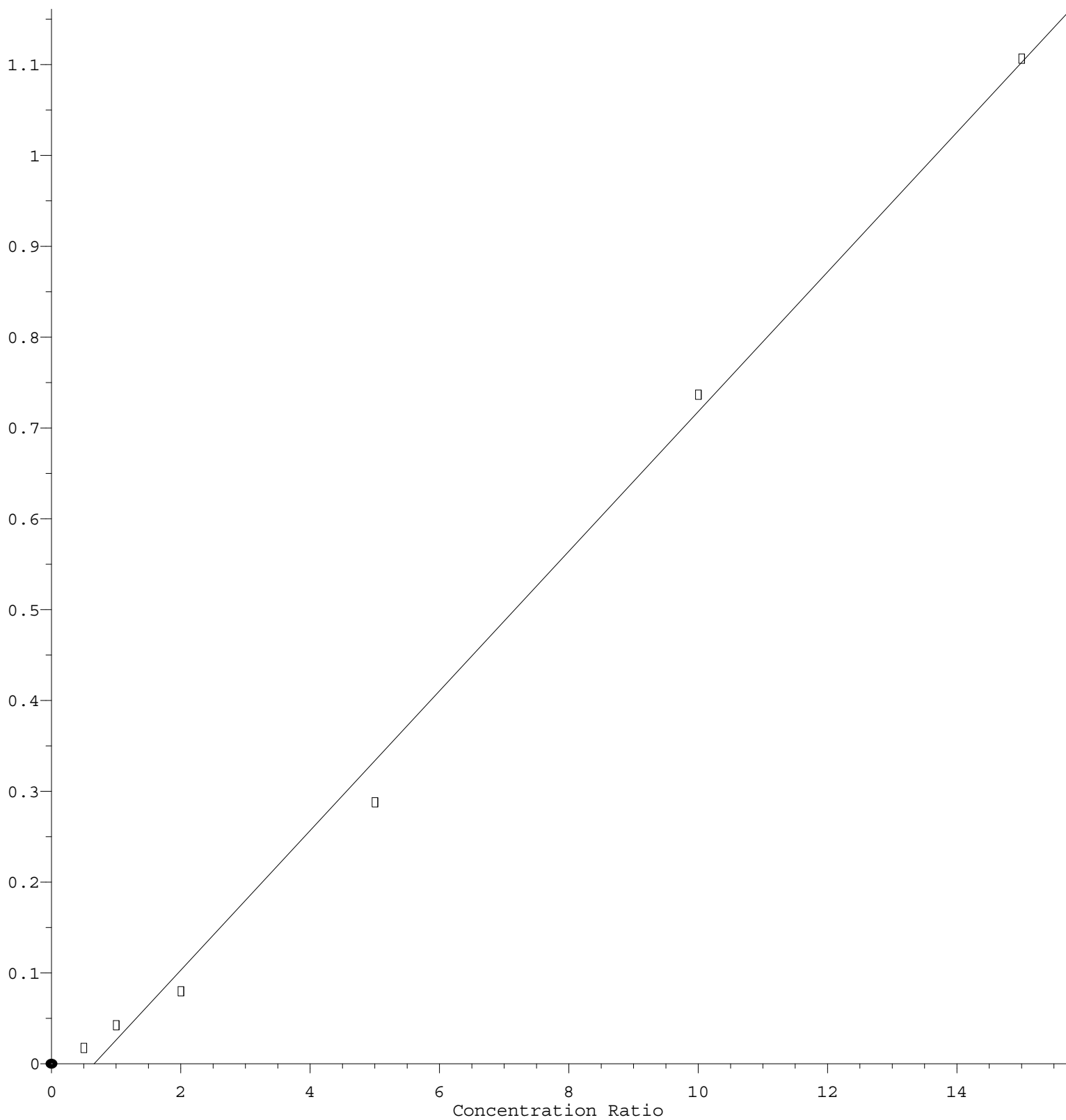
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D102722S.M

57)	T	1,3-Dichloropr...	0.450	0.353	0.363	0.389	0.330	0.341	0.371	11.84
58)	T	2-Chloroethyl ...	0.042	0.035	0.040	0.058	0.074	0.074	0.054	32.18
59)	T	2-Hexanone	0.106	0.078	0.082	0.095	0.081	0.084	0.088	12.23
60)	T	Dibromochlorom...	0.322	0.274	0.276	0.303	0.250	0.258	0.280	9.80
61)	T	1,2-Dibromoethane	0.266	0.211	0.222	0.232	0.192	0.198	0.220	12.17
62)	S	4-Bromofluorob...	0.338	0.349	0.309	0.325	0.304	0.310	0.322	5.65
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.330	0.366	0.357	0.357	0.356	0.356	0.354	3.43
65)	PM	Chlorobenzene	0.960	1.013	1.008	1.042	1.027	1.031	1.013	2.86
66)	T	1,1,1,2-Tetrac...	0.315	0.336	0.335	0.352	0.352	0.361	0.342	4.79
67)	C	Ethyl Benzene	1.468	1.702	1.731	1.831	1.883	1.888	1.751	9.05#
68)	T	m/p-Xylenes	0.583	0.663	0.679	0.709	0.749	0.764	0.691	9.50
69)	T	o-Xylene	0.567	0.613	0.597	0.624	0.702	0.717	0.637	9.41
70)	T	Styrene	0.988	1.011	1.006	1.050	1.173	1.202	1.072	8.65
71)	P	Bromoform	0.182	0.178	0.151	0.164	0.180	0.181	0.173	7.34
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.942	3.327	3.575	3.824	3.852	3.872	3.565	10.41
74)	T	N-amyl acetate	0.603	0.480	0.535	0.586	0.572	0.593	0.562	8.24
75)	P	1,1,2,2-Tetrac...	0.669	0.581	0.566	0.601	0.565	0.577	0.593	6.66
76)	T	1,2,3-Trichlor...	0.422	0.442	0.342	0.438	0.350	0.353	0.391	12.16
77)	T	Bromobenzene	0.814	0.827	0.840	0.883	0.867	0.881	0.852	3.41
78)	T	n-propylbenzene	3.591	3.997	4.330	4.635	4.559	4.557	4.278	9.57
79)	T	2-Chlorotoluene	2.131	2.224	2.348	2.428	2.461	2.423	2.336	5.62
80)	T	1,3,5-Trimethy...	2.520	2.747	3.038	3.161	3.150	3.154	2.962	9.05
81)	T	trans-1,4-Dich...	0.152	0.120	0.135	0.154	0.159	0.167	0.148	11.57
82)	T	4-Chlorotoluene	2.210	2.299	2.447	2.544	2.490	2.477	2.411	5.32
83)	T	tert-Butylbenzene	2.128	2.506	2.632	2.819	2.838	2.846	2.628	10.66
84)	T	1,2,4-Trimethy...	2.491	2.666	2.934	3.150	3.119	3.173	2.922	9.74
85)	T	sec-Butylbenzene	3.106	3.644	3.909	4.151	4.162	4.173	3.857	10.95
86)	T	p-Isopropyltol...	2.707	3.026	3.308	3.525	3.569	3.649	3.297	11.12
87)	T	1,3-Dichlorobe...	1.692	1.726	1.732	1.813	1.771	1.843	1.763	3.24
88)	T	1,4-Dichlorobe...	1.723	1.793	1.716	1.741	1.727	1.723	1.737	1.64
89)	T	n-Butylbenzene	2.403	2.843	2.998	3.216	3.230	3.229	2.987	10.93
90)	T	Hexachloroethane	0.467	0.547	0.558	0.600	0.601	0.602	0.562	9.37
91)	T	1,2-Dichlorobe...	1.489	1.506	1.456	1.535	1.491	1.494	1.495	1.73
92)	T	1,2-Dibromo-3-...	0.089	0.068	0.075	0.083	0.078	0.081	0.079	9.03
93)	T	1,2,4-Trichlor...	0.918	0.917	0.906	1.009	0.986	1.021	0.959	5.37
94)	T	Hexachlorobuta...	0.411	0.483	0.468	0.527	0.513	0.535	0.490	9.43
95)	T	Naphthalene	1.830	1.552	1.593	1.854	1.832	1.910	1.762	8.51
96)	T	1,2,3-Trichlor...	0.804	0.776	0.795	0.858	0.843	0.880	0.826	4.89

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 7.690\text{e-}002 * \text{Amt} - 5.097\text{e-}002$$

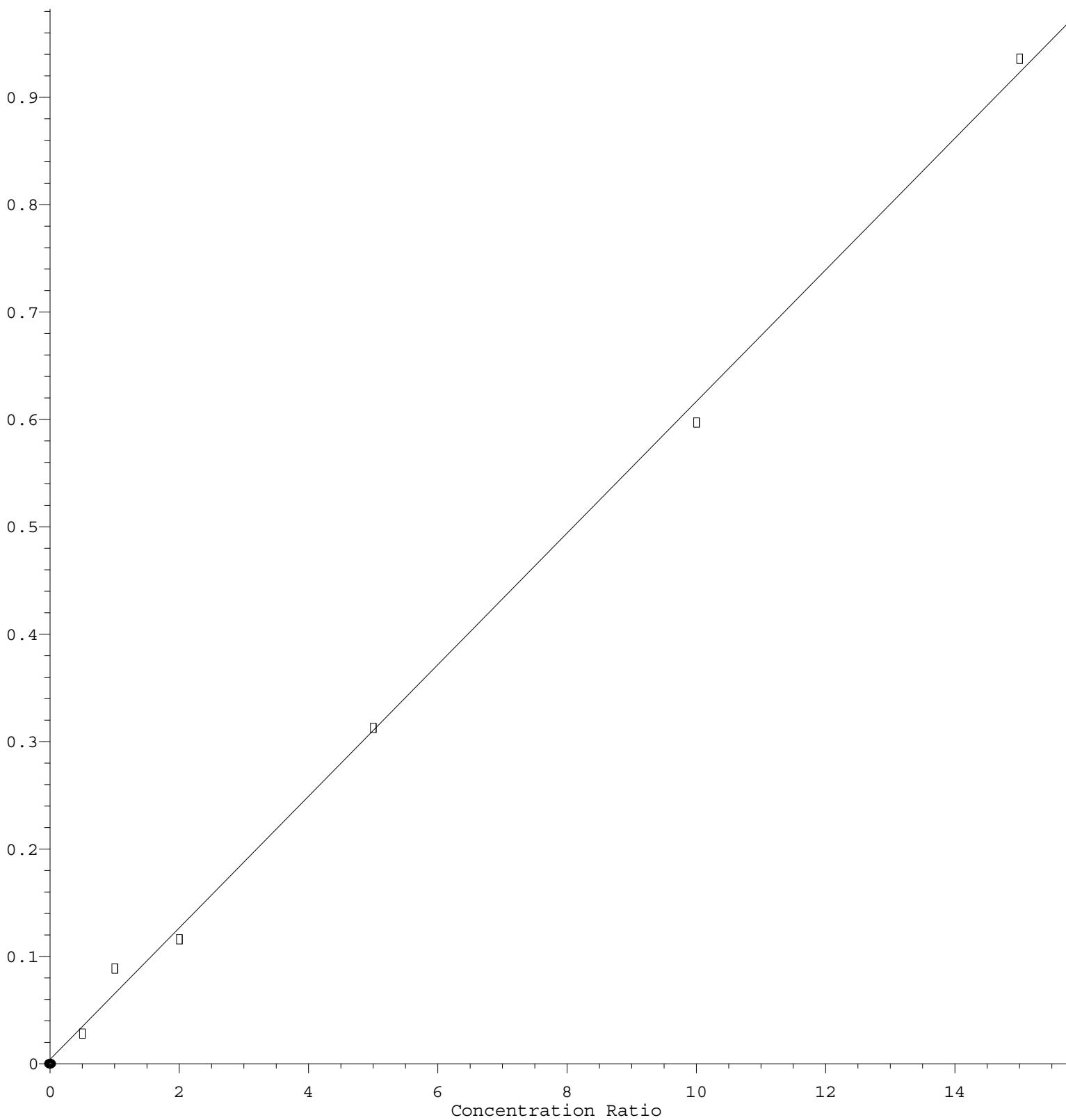
Coef of Det (r^2) = 0.995844 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D102722S.M

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Tetrahydrofuran

Response Ratio



$$\text{Response} = 6.125\text{e-}002 * \text{Amt} + 4.379\text{e-}003$$

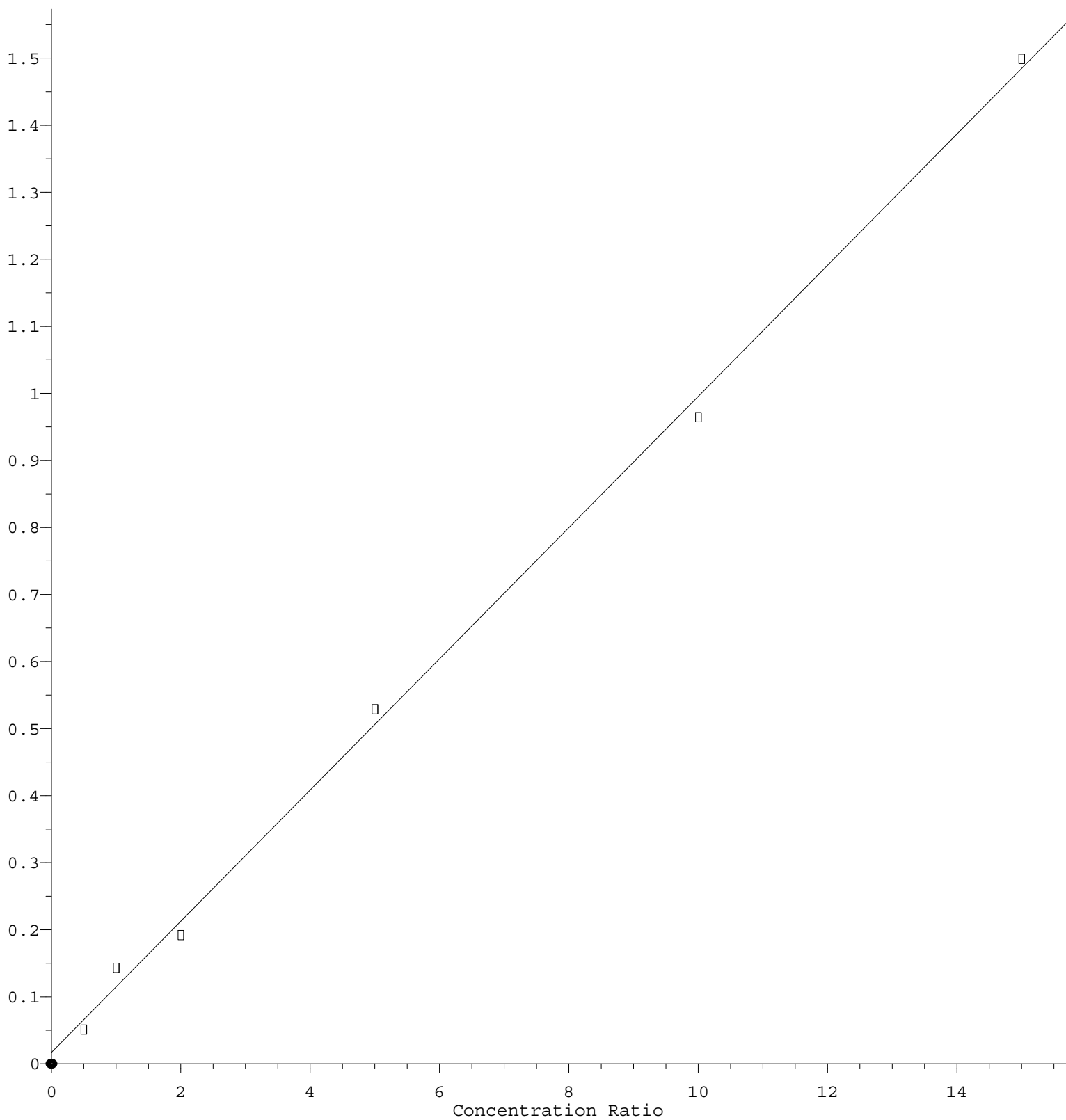
Coef of Det (r^2) = 0.998013 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D102722S.M

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2-Butanone

Response Ratio



$$\text{Response} = 9.787\text{e-}002 * \text{Amt} + 1.654\text{e-}002$$

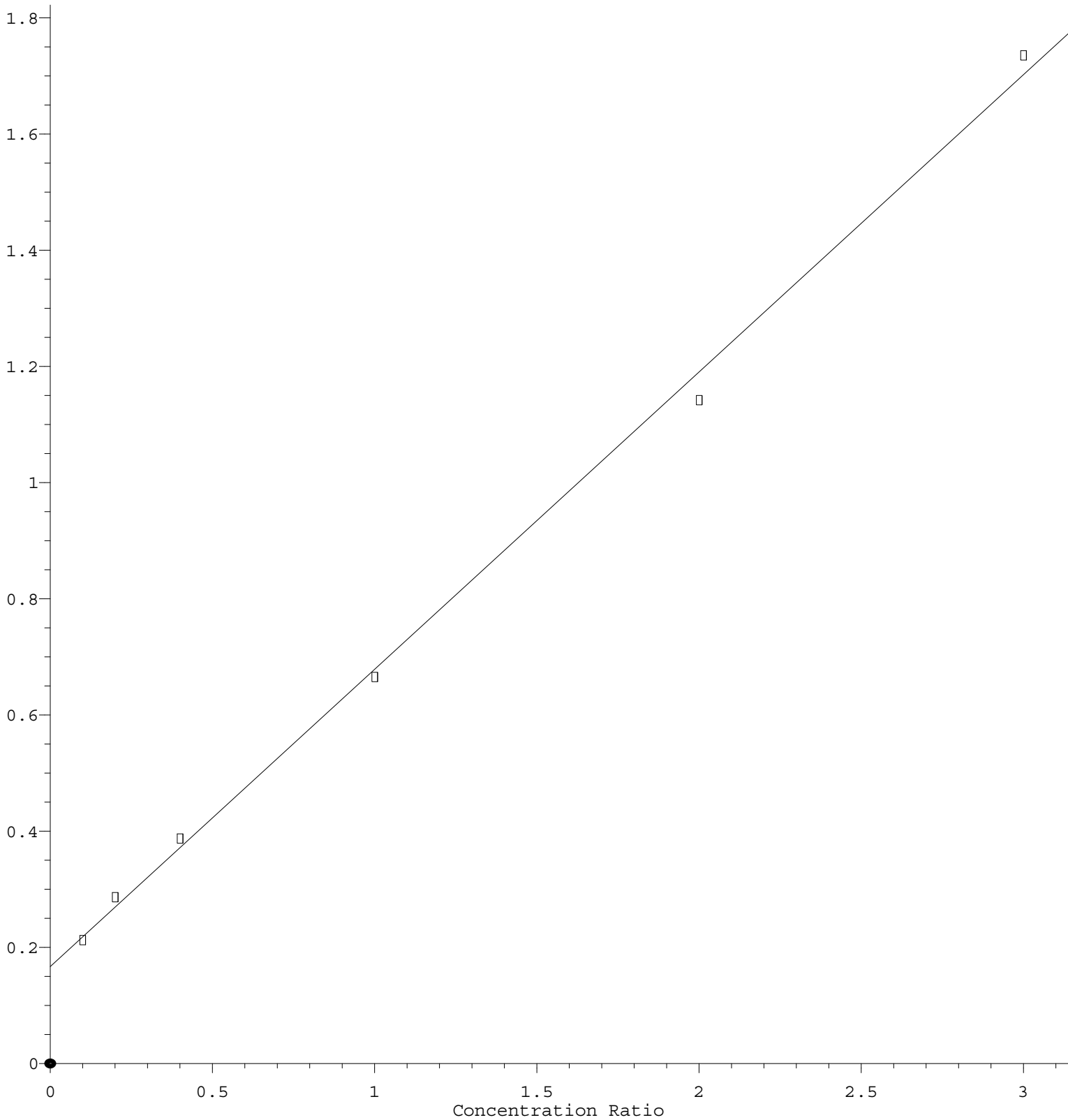
Coef of Det (r^2) = 0.998062 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D102722S.M

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Methylene Chloride

Response Ratio



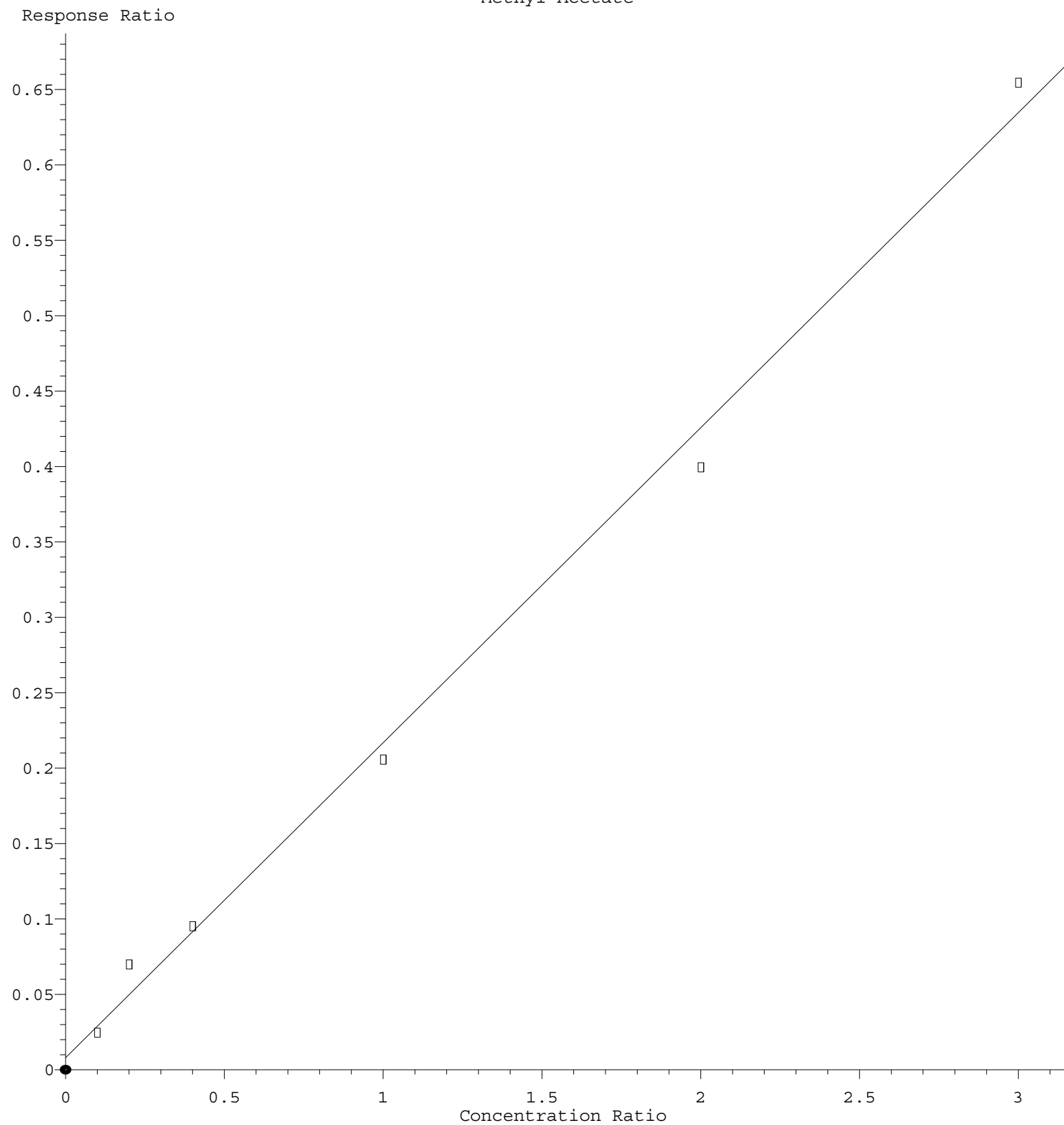
$$\text{Response} = 5.117\text{e-}001 * \text{Amt} + 1.667\text{e-}001$$

Coef of Det (r^2) = 0.997624 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D102722S.M

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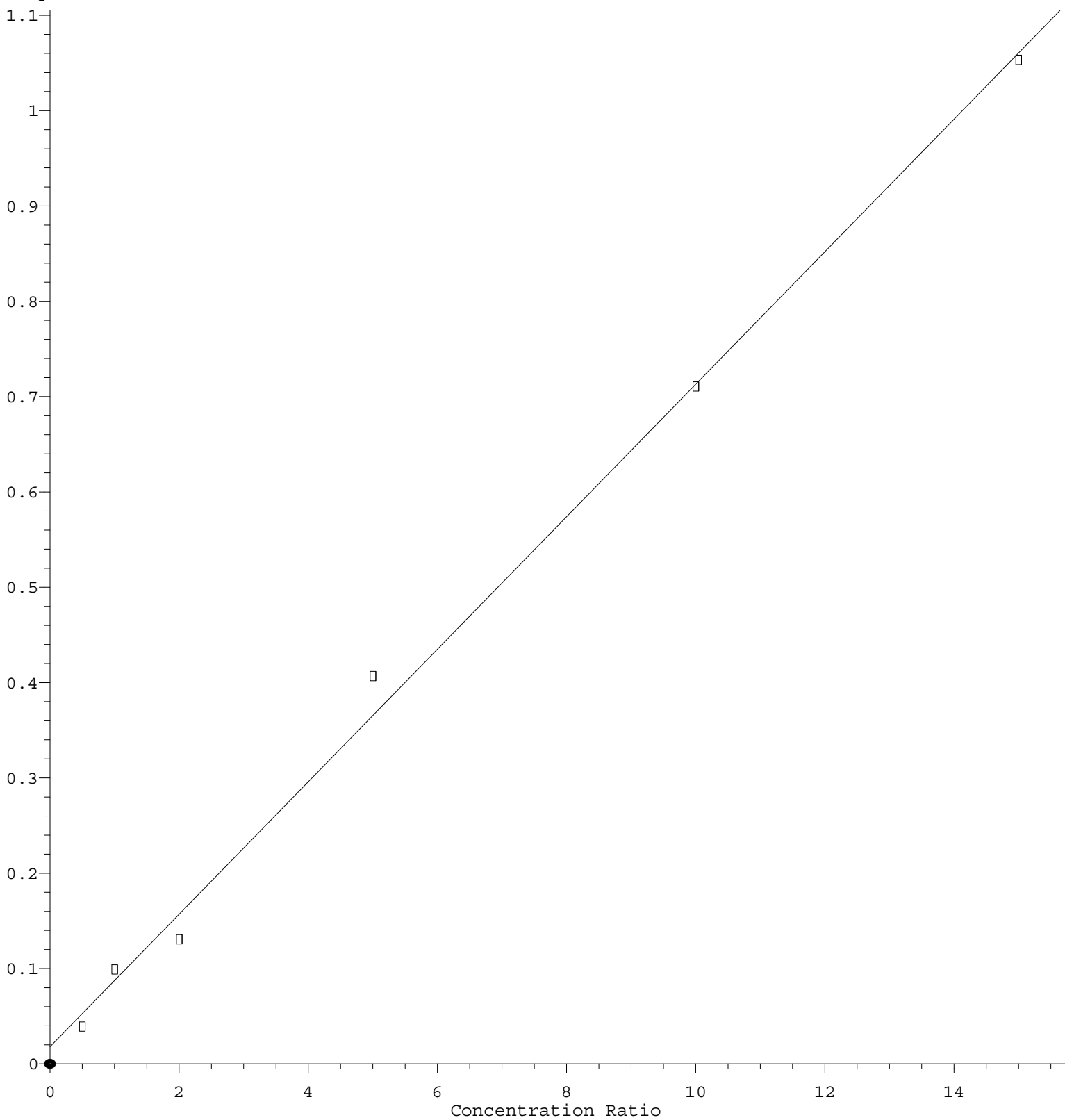
Methyl Acetate



Response = $2.087 \times 10^{-1} \times \text{Amt} + 8.442 \times 10^{-3}$
Coef of Det (r^2) = 0.994416 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D102722S.M
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Acetone

Response Ratio



$$\text{Response} = 6.955\text{e-}002 * \text{Amt} + 1.822\text{e-}002$$

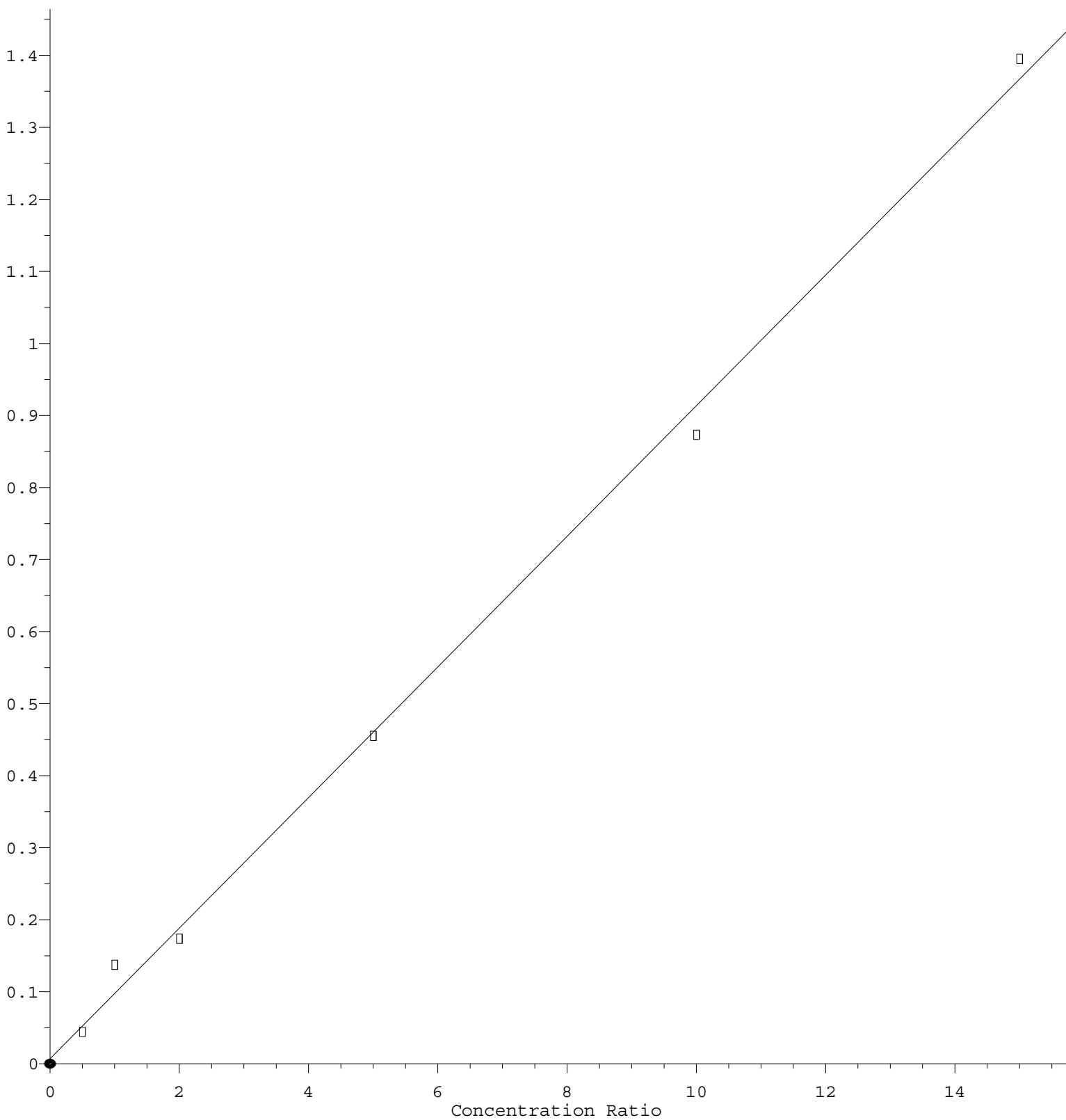
Coef of Det (r^2) = 0.996595 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D102722S.M

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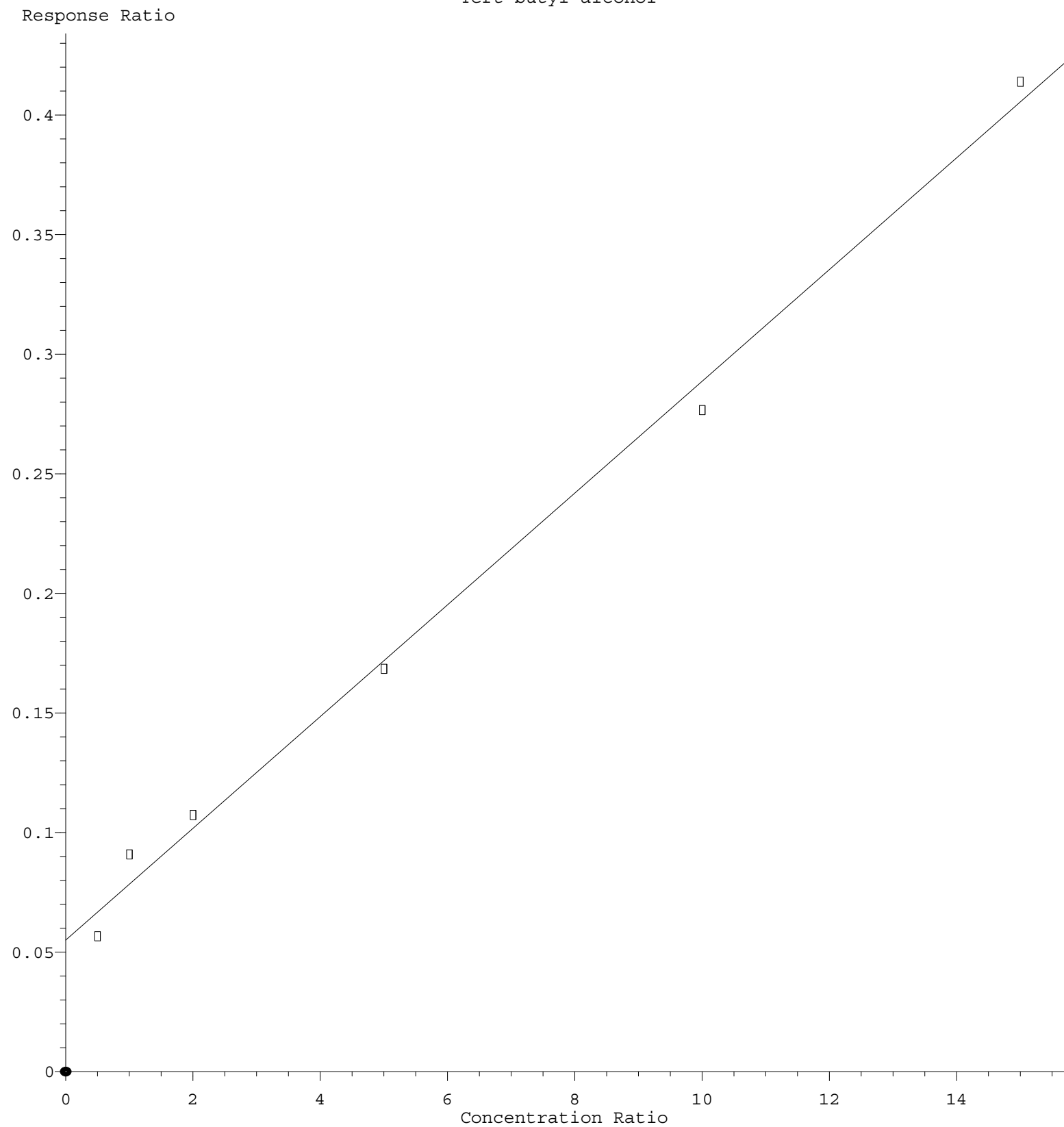
Acrylonitrile

Response Ratio



$\text{Response} = 9.066\text{e-}002 * \text{Amt} + 6.914\text{e-}003$
 Coef of Det (r^2) = 0.996888 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D102722S.M
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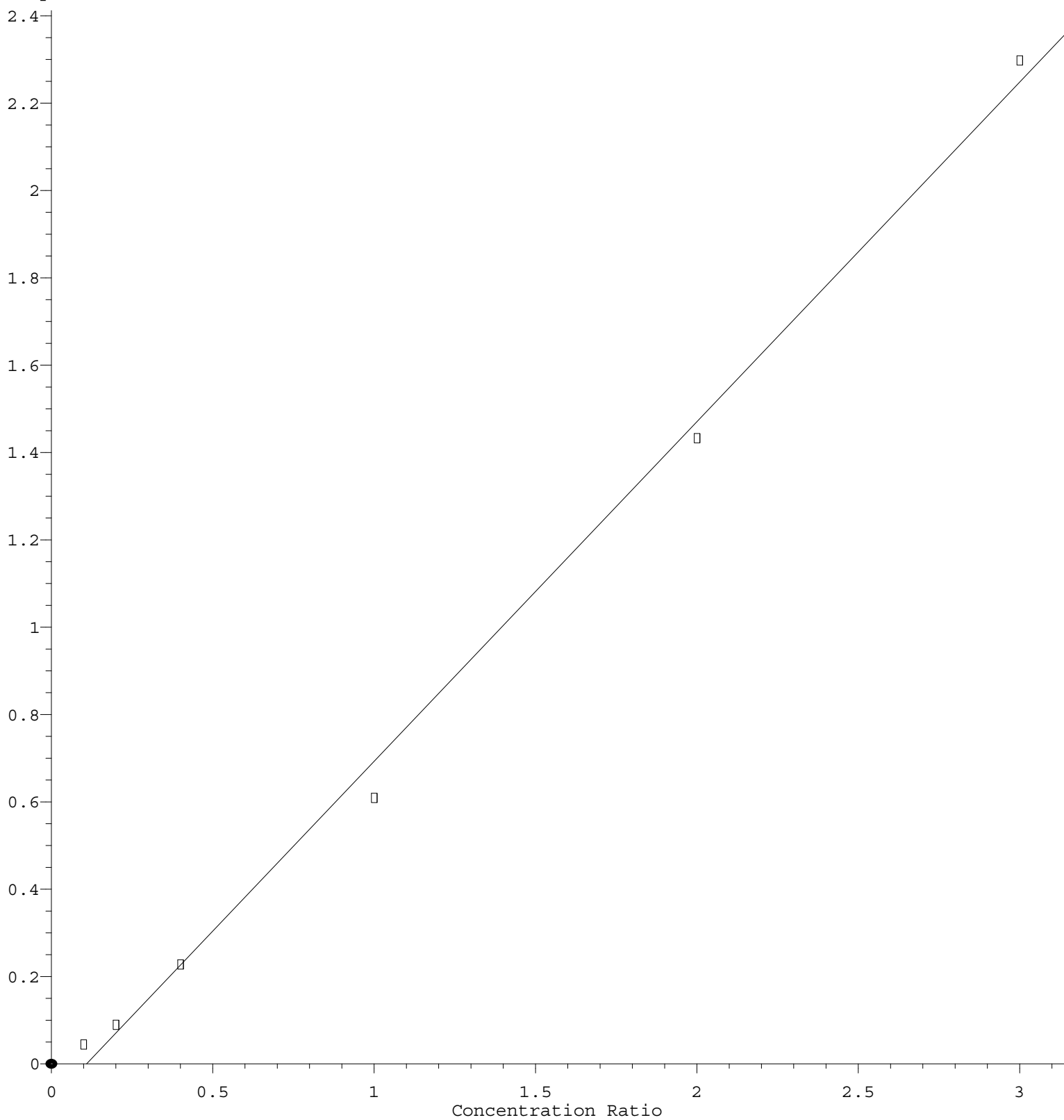
Tert butyl alcohol



Response = $2.338 \times 10^{-2} \times \text{Amt} + 5.511 \times 10^{-2}$
Coef of Det (r^2) = 0.994430 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D102722S.M
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Methyl Iodide

Response Ratio



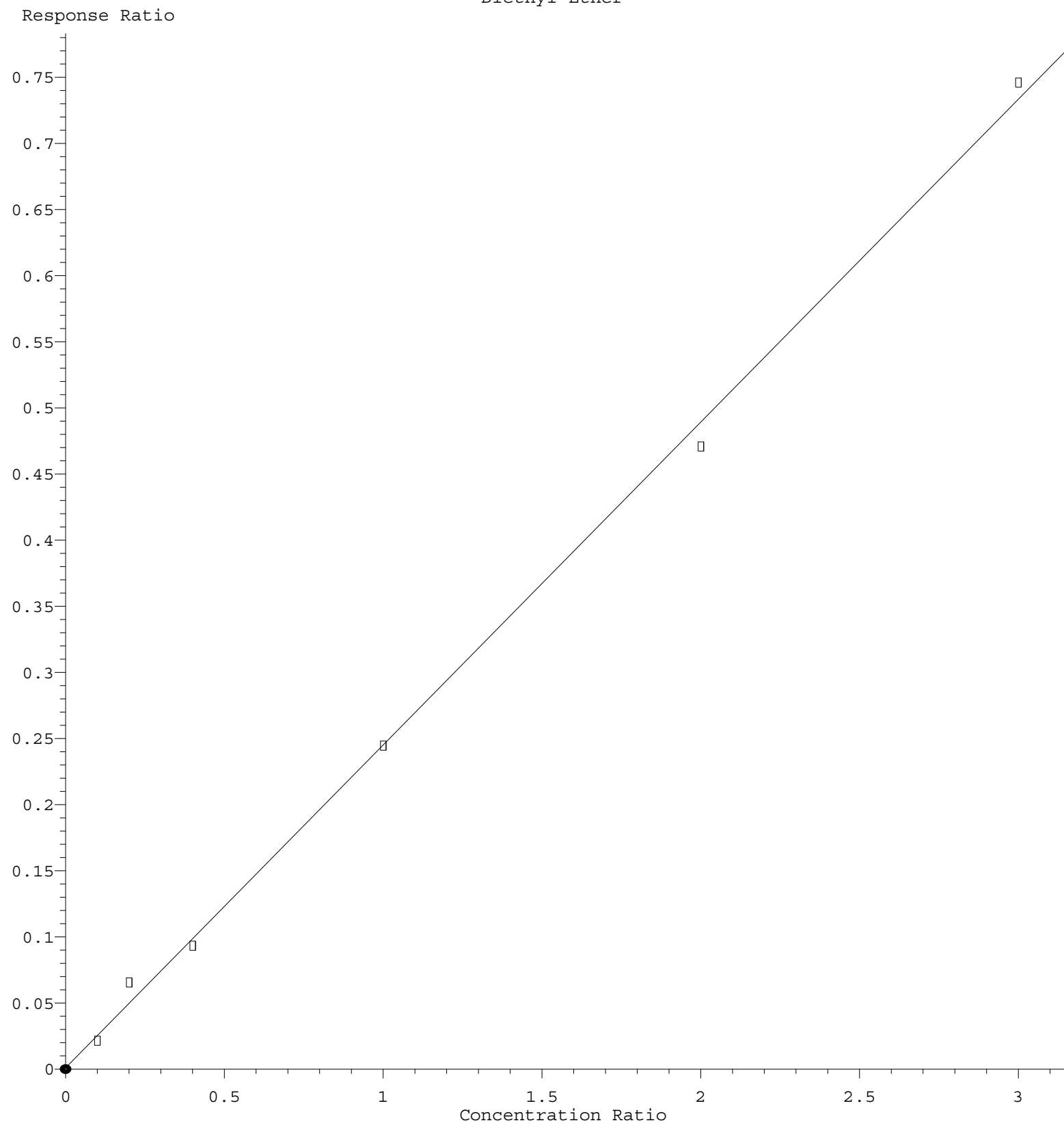
$$\text{Response} = 7.776\text{e-}001 * \text{Amt} - 8.491\text{e-}002$$

Coef of Det (r^2) = 0.996590 Curve Fit: Linear

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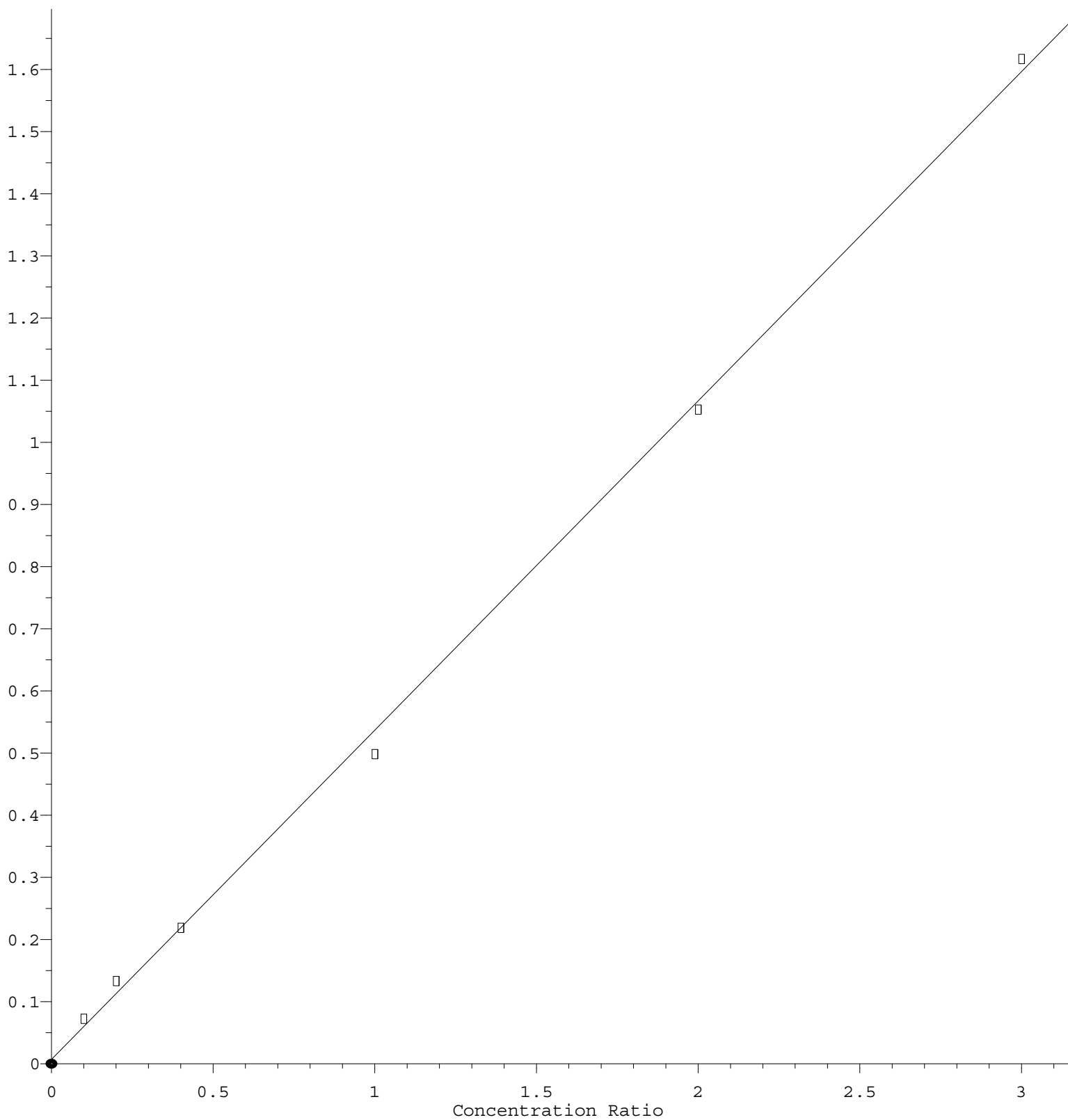
Diethyl Ether



$\text{Response} = 2.443\text{e-}001 * \text{Amt} + 8.352\text{e-}004$
 Coef of Det (r^2) = 0.998037 Curve Fit: Linear
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Bromomethane

Response Ratio



$$\text{Response} = 5.298\text{e-}001 * \text{Amt} + 7.024\text{e-}003$$

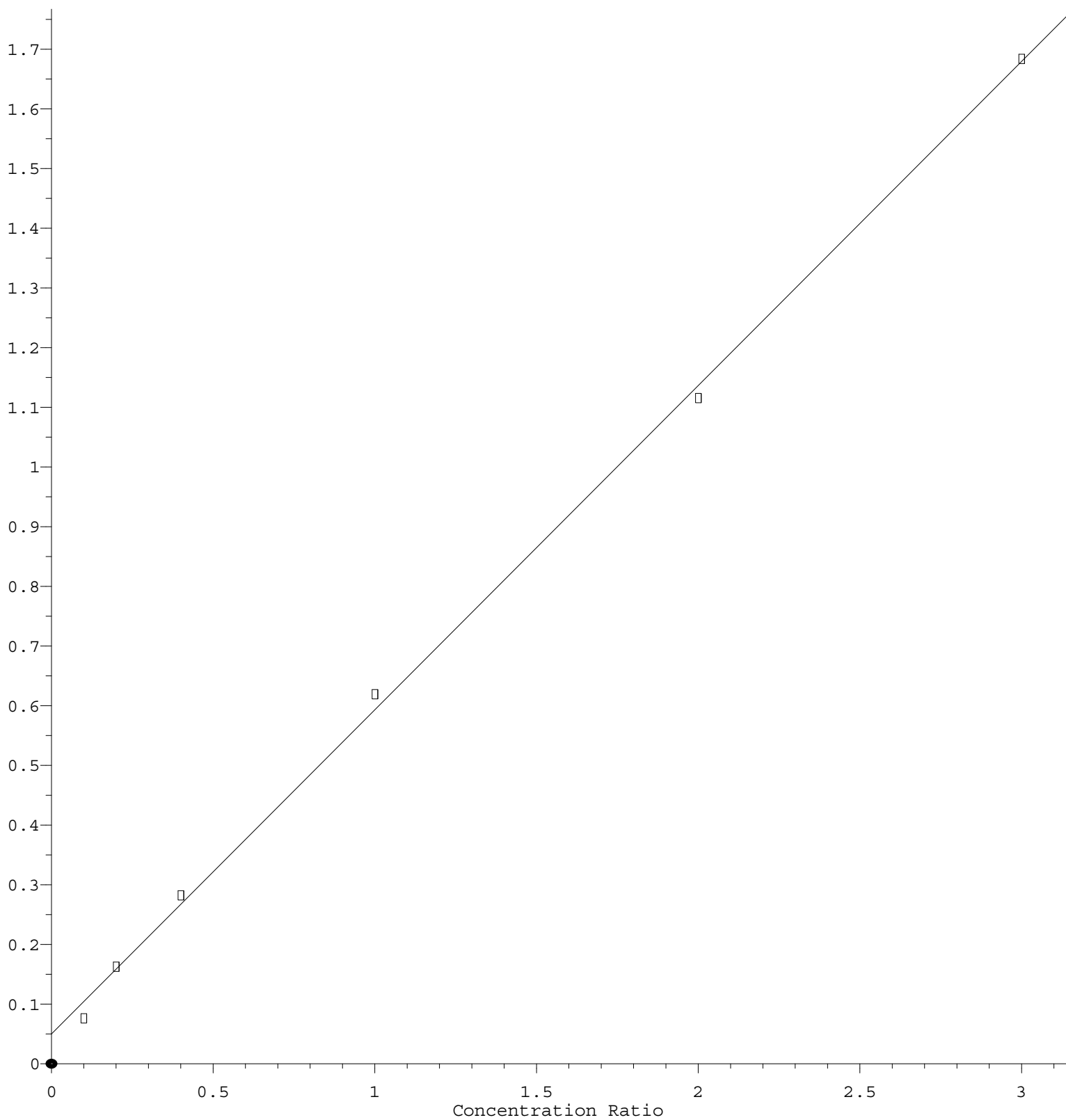
Coef of Det (r^2) = 0.998592 Curve Fit: Linear

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Chloromethane

Response Ratio



$$\text{Response} = 5.432\text{e-}001 * \text{Amt} + 4.990\text{e-}002$$

Coef of Det (r^2) = 0.998912 Curve Fit: Linear

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