

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y032924S.M
 Title : SW846 8260
 Last Update : Sat Mar 30 05:58:13 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY017790.D 10 =VY017791.D 20 =VY017792.D 50 =VY017793.D 100 =VY017794.D 150 =VY017795.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.396	0.372	0.306	0.274	0.307	0.351	0.334	13.87
3) P	Chloromethane	0.727	0.703	0.572	0.579	0.632	0.703	0.653	10.35
4) C	Vinyl Chloride	0.925	0.914	0.753	0.750	0.843	0.932	0.853	9.94#
5) T	Bromomethane	0.798	0.747	0.611	0.577	0.650	0.755	0.690	12.92
6) T	Chloroethane	0.603	0.587	0.498	0.490	0.554	0.607	0.556	9.36
7) T	Trichlorofluor...	0.901	0.884	0.765	0.711	0.809	0.920	0.832	10.04
8) T	Diethyl Ether	0.245	0.256	0.221	0.216	0.250	0.278	0.244	9.42
9) T	1,1,2-Trichlor...	0.548	0.551	0.464	0.430	0.468	0.532	0.499	10.31
10) T	Methyl Iodide	0.488	0.510	0.469	0.519	0.621	0.649	0.542	13.65
11) T	Tert butyl alc...	0.068	0.052	0.039	0.030	0.035	0.037	0.044	32.60
12) CM	1,1-Dichloroet...	0.499	0.495	0.420	0.410	0.461	0.514	0.467	9.34#
13) T	Acrolein	0.028	0.031	0.032	0.028	0.030	0.033	0.030	6.87
14) T	Allyl chloride	0.573	0.599	0.511	0.511	0.591	0.650	0.573	9.42
15) T	Acrylonitrile	0.102	0.108	0.091	0.093	0.108	0.117	0.103	9.80
16) T	Acetone	0.101	0.090	0.072	0.082	0.092	0.099	0.089	12.27
17) T	Carbon Disulfide	1.312	1.321	1.121	1.254	1.403	1.516	1.321	10.12
18) T	Methyl Acetate	0.198	0.206	0.180	0.173	0.206	0.225	0.198	9.45
19) T	Methyl tert-bu...	1.006	1.073	0.954	0.953	1.143	1.284	1.069	11.99
20) T	Methylene Chlo...	1.040	0.773	0.608	0.498	0.512	0.543	0.662	31.78
21) T	trans-1,2-Dich...	0.505	0.522	0.450	0.449	0.505	0.566	0.499	8.98
22) T	Diisopropyl ether	1.255	1.356	1.211	1.184	1.390	1.545	1.324	10.21
23) T	Vinyl Acetate	0.731	0.799	0.707	0.732	0.886	0.994	0.808	13.84
24) P	1,1-Dichloroet...	0.902	0.941	0.797	0.768	0.885	0.978	0.878	9.27
25) T	2-Butanone	0.124	0.128	0.108	0.115	0.138	0.152	0.127	12.53
26) T	2,2-Dichloropr...	0.832	0.809	0.672	0.644	0.752	0.844	0.759	11.17
27) T	cis-1,2-Dichlo...	0.597	0.606	0.521	0.524	0.604	0.688	0.590	10.50
28) T	Bromochloromet...	0.366	0.327	0.331	0.373	0.352	0.394	0.357	7.14
29) T	Tetrahydrofuran	0.071	0.076	0.066	0.069	0.085	0.092	0.076	13.29
30) C	Chloroform	0.975	0.990	0.827	0.793	0.899	0.986	0.911	9.44#
31) T	Cyclohexane	0.870	0.792	0.679	0.654	0.742	0.836	0.762	11.26
32) T	1,1,1-Trichlor...	0.839	0.813	0.699	0.671	0.767	0.865	0.776	10.06
33) S	1,2-Dichloroet...	0.480	0.460	0.378	0.397	0.433	0.449	0.433	8.91
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.309	0.300	0.261	0.268	0.287	0.308	0.289	7.07
36) T	1,1-Dichloropr...	0.423	0.424	0.380	0.378	0.434	0.491	0.422	9.88
37) T	Ethyl Acetate	0.187	0.182	0.153	0.158	0.198	0.213	0.182	12.80
38) T	Carbon Tetrach...	0.447	0.456	0.398	0.382	0.439	0.504	0.438	9.92
39) T	Methylcyclohexane	0.516	0.506	0.453	0.479	0.549	0.657	0.527	13.60
40) TM	Benzene	1.322	1.358	1.168	1.139	1.325	1.484	1.299	9.85
41) T	Methacrylonitrile	0.085	0.102	0.091	0.101	0.125	0.144	0.108	20.79
42) TM	1,2-Dichloroet...	0.333	0.334	0.290	0.281	0.324	0.356	0.320	8.94
43) T	Isopropyl Acetate	0.322	0.329	0.282	0.288	0.362	0.399	0.330	13.48
44) TM	Trichloroethene	0.347	0.358	0.307	0.297	0.340	0.381	0.338	9.33
45) C	1,2-Dichloropr...	0.307	0.313	0.273	0.264	0.308	0.347	0.302	9.94#
46) T	Dibromomethane	0.176	0.176	0.153	0.151	0.176	0.197	0.172	9.92
47) T	Bromodichlorom...	0.447	0.455	0.393	0.379	0.440	0.487	0.433	9.32
48) T	Methyl methacr...	0.125	0.143	0.123	0.133	0.167	0.187	0.146	17.42
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	13.43
50) S	Toluene-d8	1.134	1.082	0.964	1.014	1.098	1.184	1.079	7.39
51) T	4-Methyl-2-Pen...	0.157	0.169	0.153	0.157	0.194	0.221	0.175	15.27
52) CM	Toluene	0.773	0.810	0.715	0.696	0.807	0.927	0.788	10.49#
53) T	t-1,3-Dichloro...	0.353	0.384	0.341	0.340	0.418	0.473	0.385	13.67
54) T	cis-1,3-Dichlo...	0.467	0.465	0.418	0.414	0.499	0.555	0.470	11.24
55) T	1,1,2-Trichlor...	0.236	0.241	0.207	0.196	0.231	0.261	0.229	10.43
56) T	Ethyl methacry...	0.227	0.275	0.249	0.271	0.336	0.383	0.290	20.06

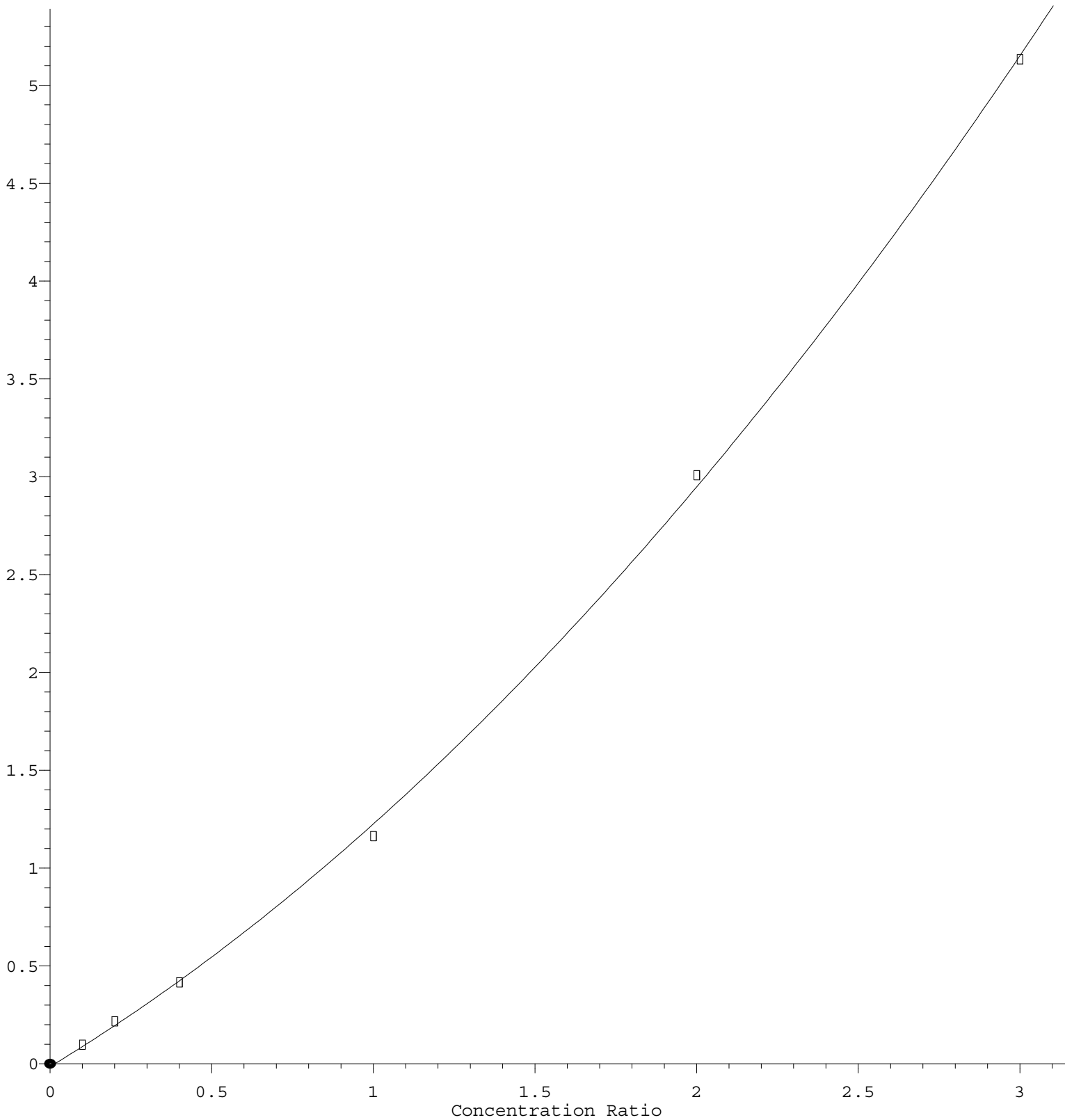
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
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57)	T	1,3-Dichloropr...	0.381	0.403	0.350	0.337	0.398	0.450	0.387	10.47
58)	T	2-Chloroethyl ...	0.121	0.130	0.134	0.158	0.164	0.205	0.152	20.43
59)	T	2-Hexanone	0.098	0.113	0.103	0.113	0.138	0.156	0.120	18.79
60)	T	Dibromochlorom...	0.287	0.296	0.257	0.250	0.300	0.341	0.288	11.40
61)	T	1,2-Dibromoethane	0.202	0.216	0.187	0.184	0.216	0.245	0.208	10.88
62)	S	4-Bromofluorob...	0.332	0.327	0.297	0.302	0.344	0.368	0.328	8.09
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.469	0.460	0.406	0.384	0.419	0.478	0.436	8.76
65)	PM	Chlorobenzene	1.074	1.058	0.929	0.896	1.022	1.174	1.026	9.90
66)	T	1,1,1,2-Tetrac...	0.342	0.353	0.308	0.302	0.359	0.425	0.348	12.74
67)	C	Ethyl Benzene	1.671	1.751	1.550	1.561	1.848	2.199	1.763	13.70#
68)	T	m/p-Xylenes	0.619	0.663	0.591	0.595	0.699	0.845	0.669	14.33
69)	T	o-Xylene	0.571	0.597	0.551	0.551	0.666	0.793	0.621	15.15
70)	T	Styrene	0.909	1.003	0.916	0.953	1.145	1.357	1.047	16.67
71)	P	Bromoform	0.189	0.194	0.167	0.169	0.208	0.231	0.193	12.66
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.475	3.624	3.106	3.005	3.584	4.230	3.504	12.48
74)	T	N-amyl acetate	0.604	0.657	0.593	0.636	0.801	0.920	0.702	18.60
75)	P	1,1,2,2-Tetrac...	0.620	0.612	0.527	0.511	0.643	0.725	0.606	13.01
76)	T	1,2,3-Trichlor...	0.513	0.411	0.414	0.400	0.477	0.518	0.456	11.78
77)	T	Bromobenzene	0.874	0.852	0.743	0.696	0.852	0.991	0.835	12.47
78)	T	n-propylbenzene	4.269	4.413	3.866	3.716	4.325	5.065	4.276	11.10
79)	T	2-Chlorotoluene	2.363	2.464	2.099	2.012	2.362	2.751	2.342	11.30
80)	T	1,3,5-Trimethy...	2.618	2.840	2.462	2.377	2.822	3.288	2.735	12.02
81)	T	trans-1,4-Dich...	0.176	0.207	0.176	0.182	0.235	0.262	0.206	17.23
82)	T	4-Chlorotoluene	2.484	2.526	2.199	2.093	2.435	2.812	2.425	10.52
83)	T	tert-Butylbenzene	2.464	2.603	2.213	2.115	2.525	2.998	2.486	12.60
84)	T	1,2,4-Trimethy...	2.608	2.746	2.435	2.357	2.832	3.364	2.724	13.27
85)	T	sec-Butylbenzene	3.691	3.914	3.418	3.233	3.741	4.392	3.732	10.84
86)	T	p-Isopropyltol...	2.888	3.087	2.834	2.674	3.282	3.949	3.119	14.68
87)	T	1,3-Dichlorobe...	1.693	1.668	1.456	1.373	1.707	2.039	1.656	14.05
88)	T	1,4-Dichlorobe...	1.686	1.685	1.427	1.335	1.579	1.798	1.585	11.05
89)	T	n-Butylbenzene	2.840	2.888	2.584	2.518	2.932	3.456	2.870	11.59
90)	T	Hexachloroethane	0.653	0.666	0.563	0.517	0.612	0.710	0.620	11.46
91)	T	1,2-Dichlorobe...	1.424	1.428	1.234	1.191	1.384	1.575	1.373	10.25
92)	T	1,2-Dibromo-3-...	0.090	0.079	0.070	0.070	0.086	0.098	0.082	13.78
93)	T	1,2,4-Trichlor...	0.716	0.715	0.674	0.675	0.802	0.929	0.752	13.09
94)	T	Hexachlorobuta...	0.491	0.486	0.427	0.388	0.437	0.506	0.456	10.04
95)	T	Naphthalene	0.974	1.083	1.039	1.163	1.504	1.711	1.246	23.62
96)	T	1,2,3-Trichlor...	0.604	0.606	0.568	0.570	0.691	0.772	0.635	12.66

(#) = Out of Range

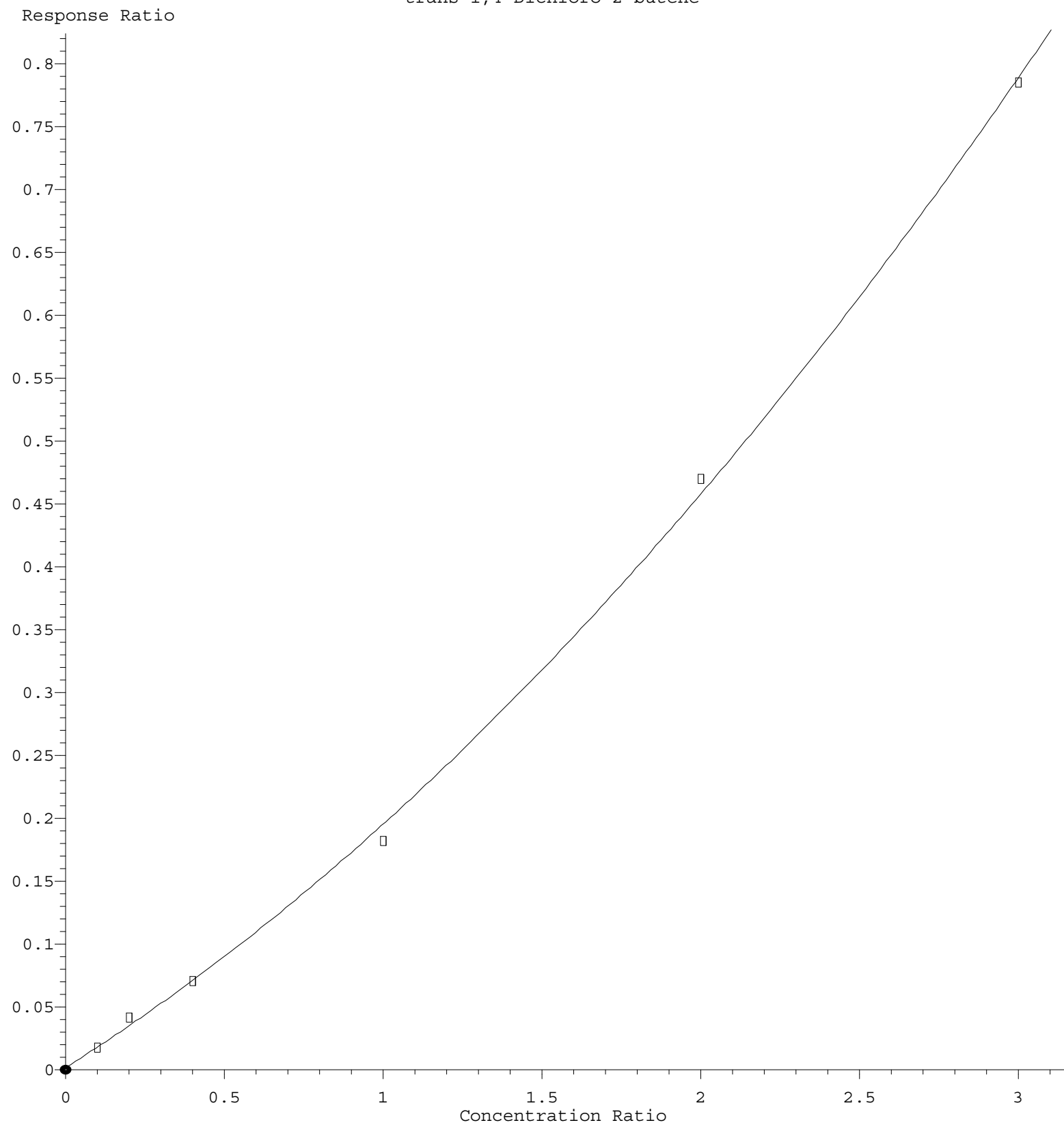
Naphthalene

Response Ratio



$R = 2.410e-001 A^2 + 9.990e-001 A - 1.428e-002$
 Coef of Det (r^2) = 0.999583 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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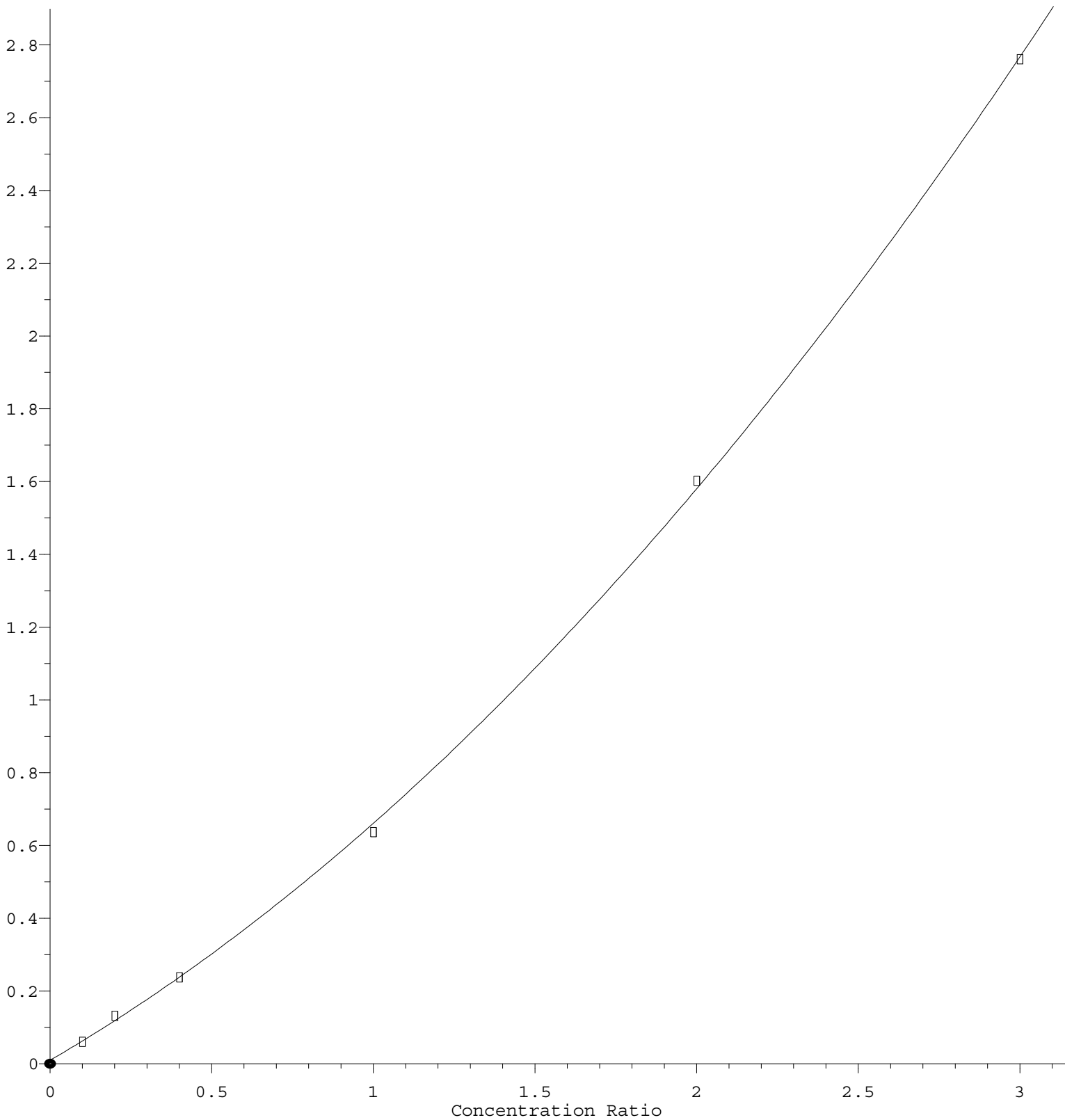
trans-1,4-Dichloro-2-butene



$R = 3.442e-002 A^2 + 1.591e-001 A + 1.871e-003$
Coef of Det (r^2) = 0.999175 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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N-amyl acetate

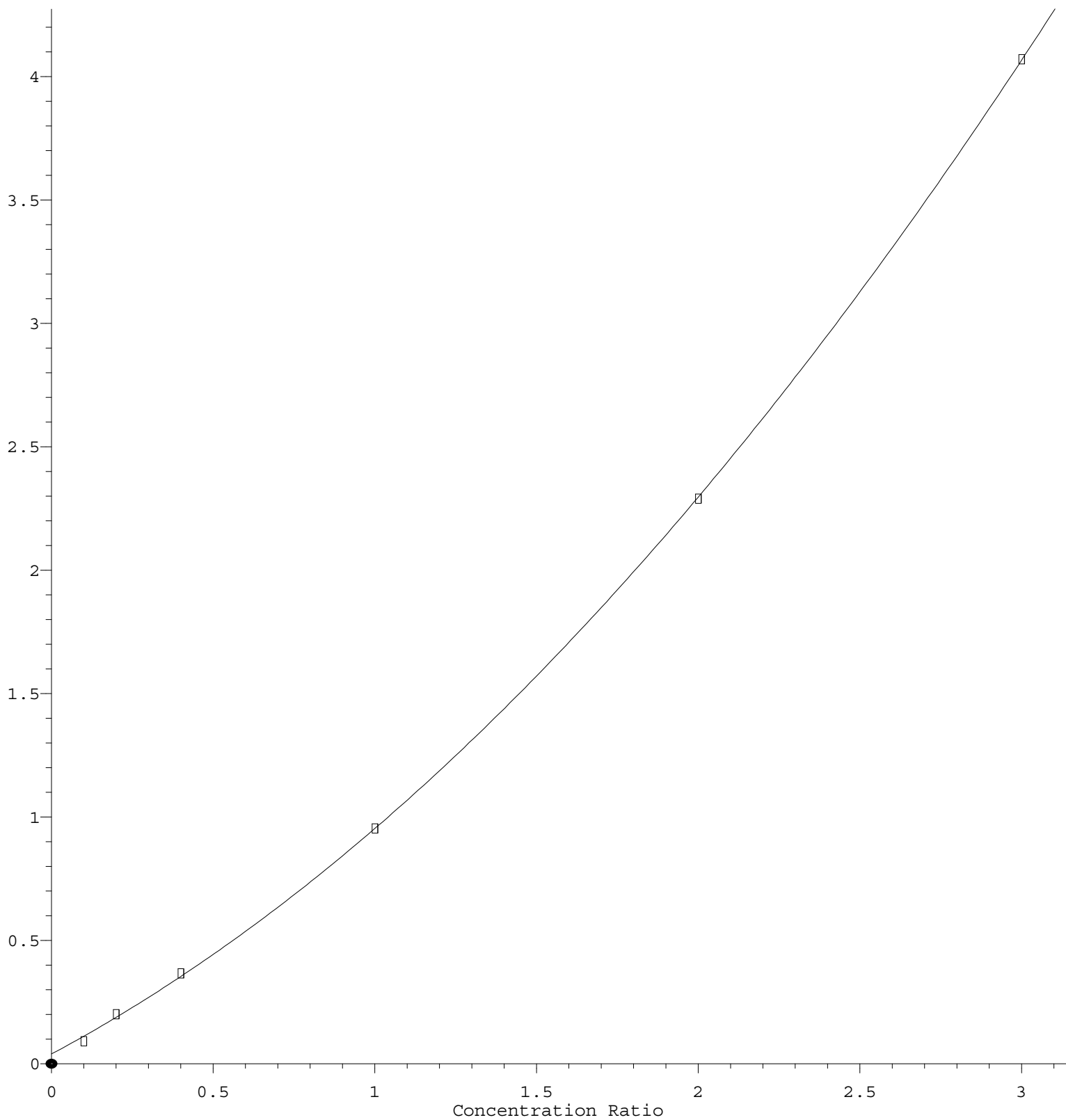
Response Ratio



$R = 1.340e-001 A^2 + 5.174e-001 A + 9.642e-003$
 Coef of Det (r^2) = 0.999775 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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Styrene

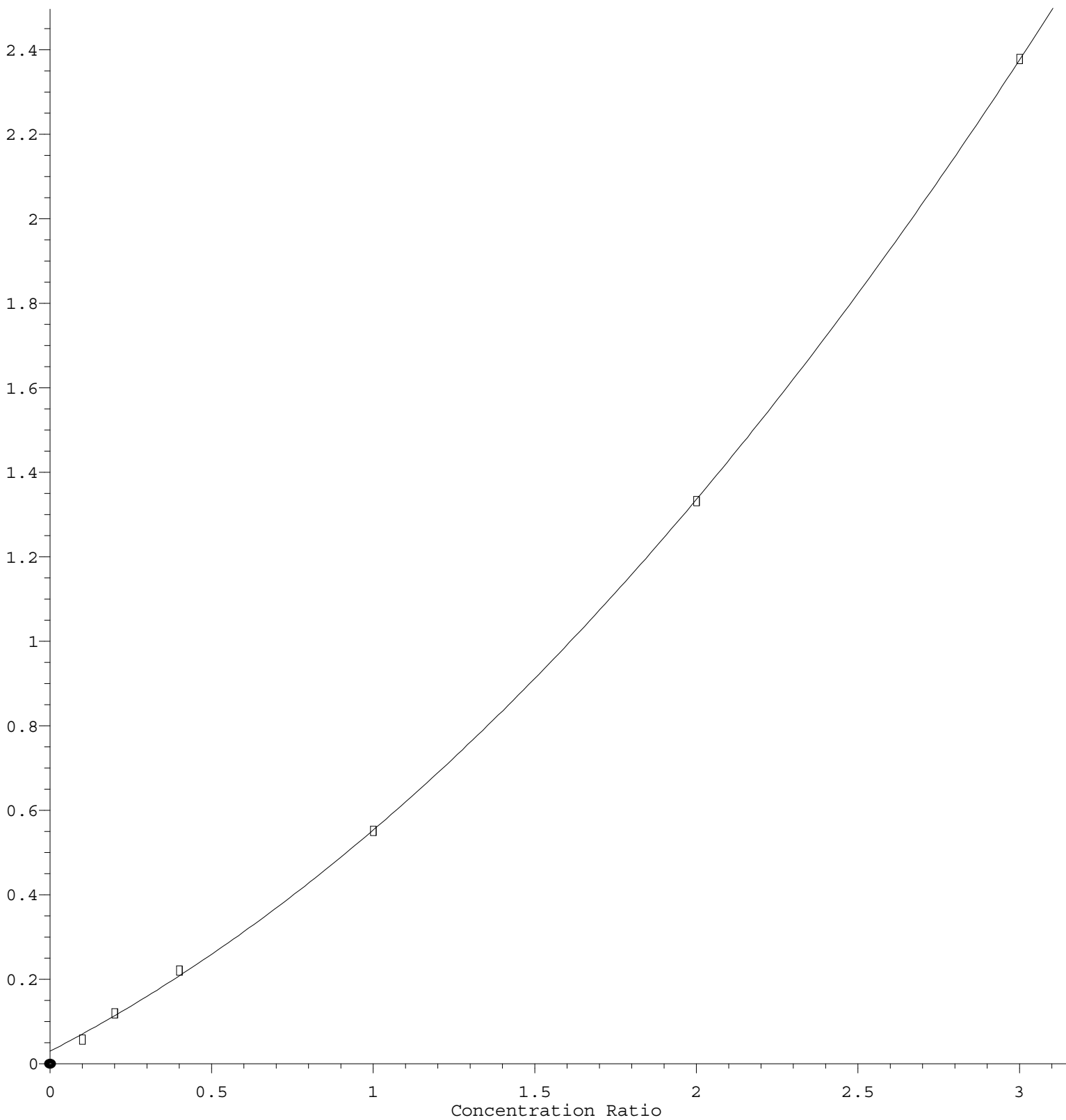
Response Ratio



$R = 2.143e-001 A^2 + 6.996e-001 A + 3.965e-002$
Coef of Det (r^2) = 0.999935 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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o-Xylene

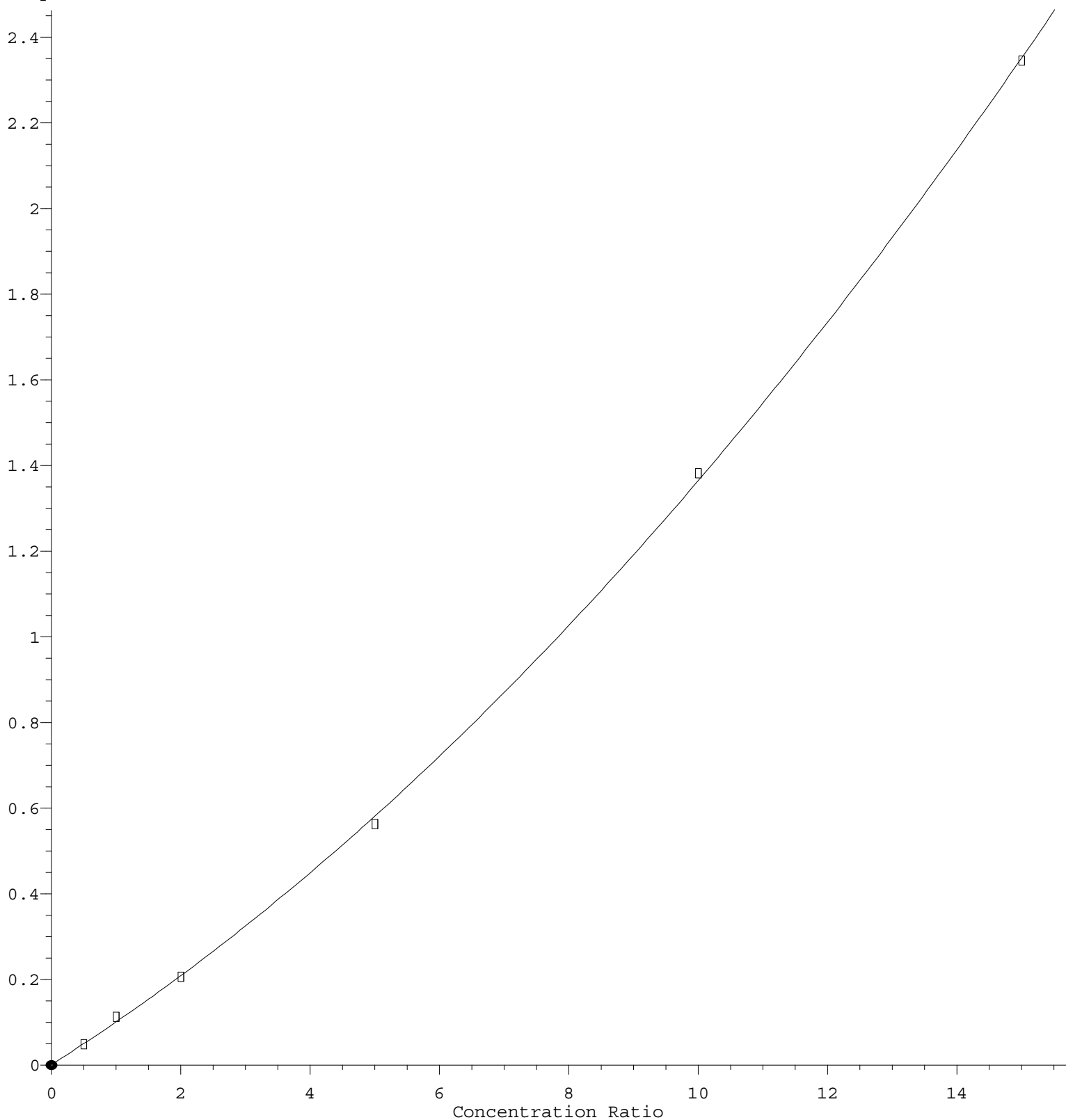
Response Ratio



$R = 1.293e-001 A^2 + 3.942e-001 A + 2.983e-002$
 Coef of Det (r^2) = 0.999909 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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2-Hexanone

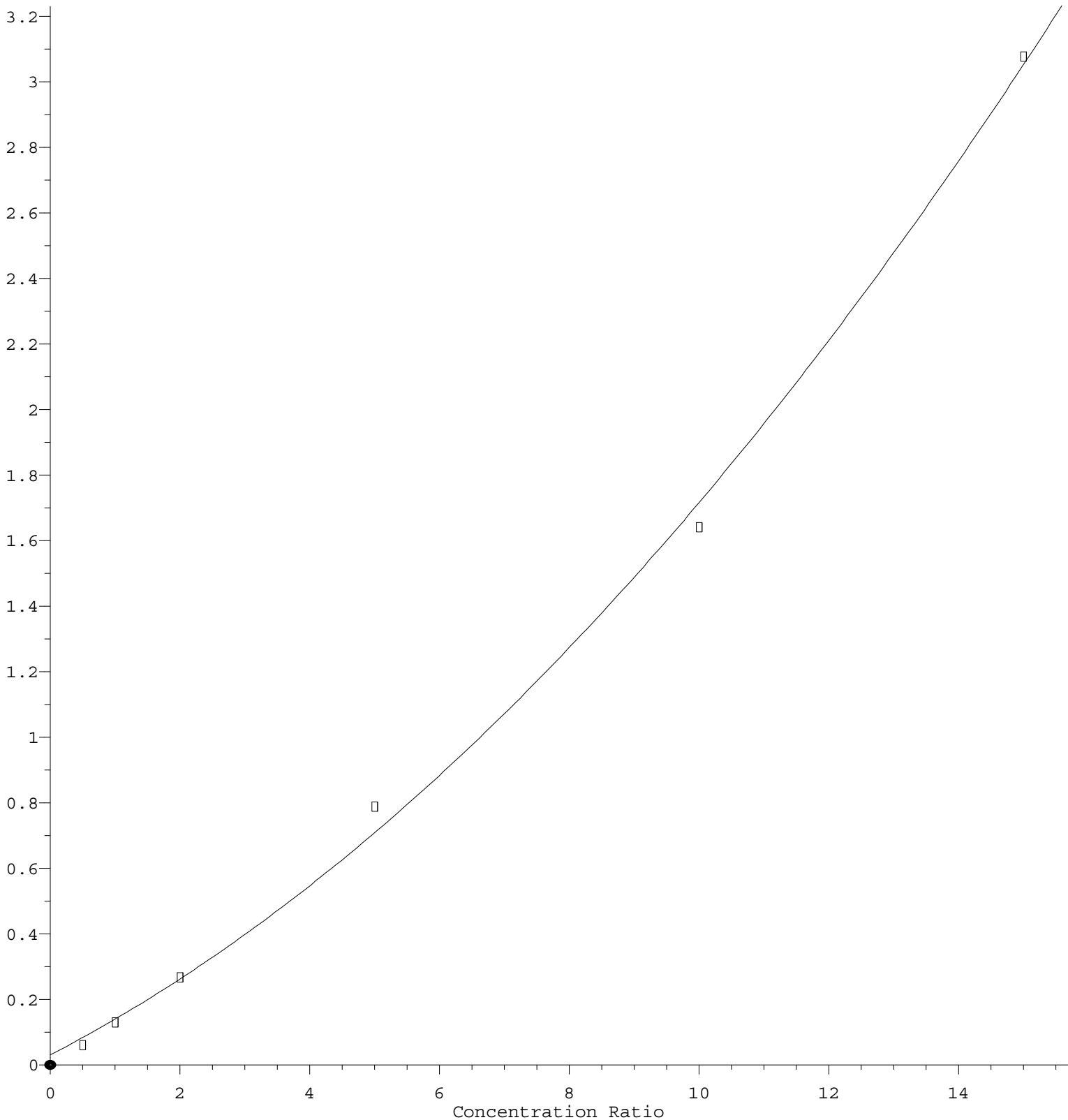
Response Ratio



$R = 4.065e-003 A^2 + 9.565e-002 A + 1.510e-003$
Coef of Det (r^2) = 0.999804 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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2-Chloroethyl Vinyl ether

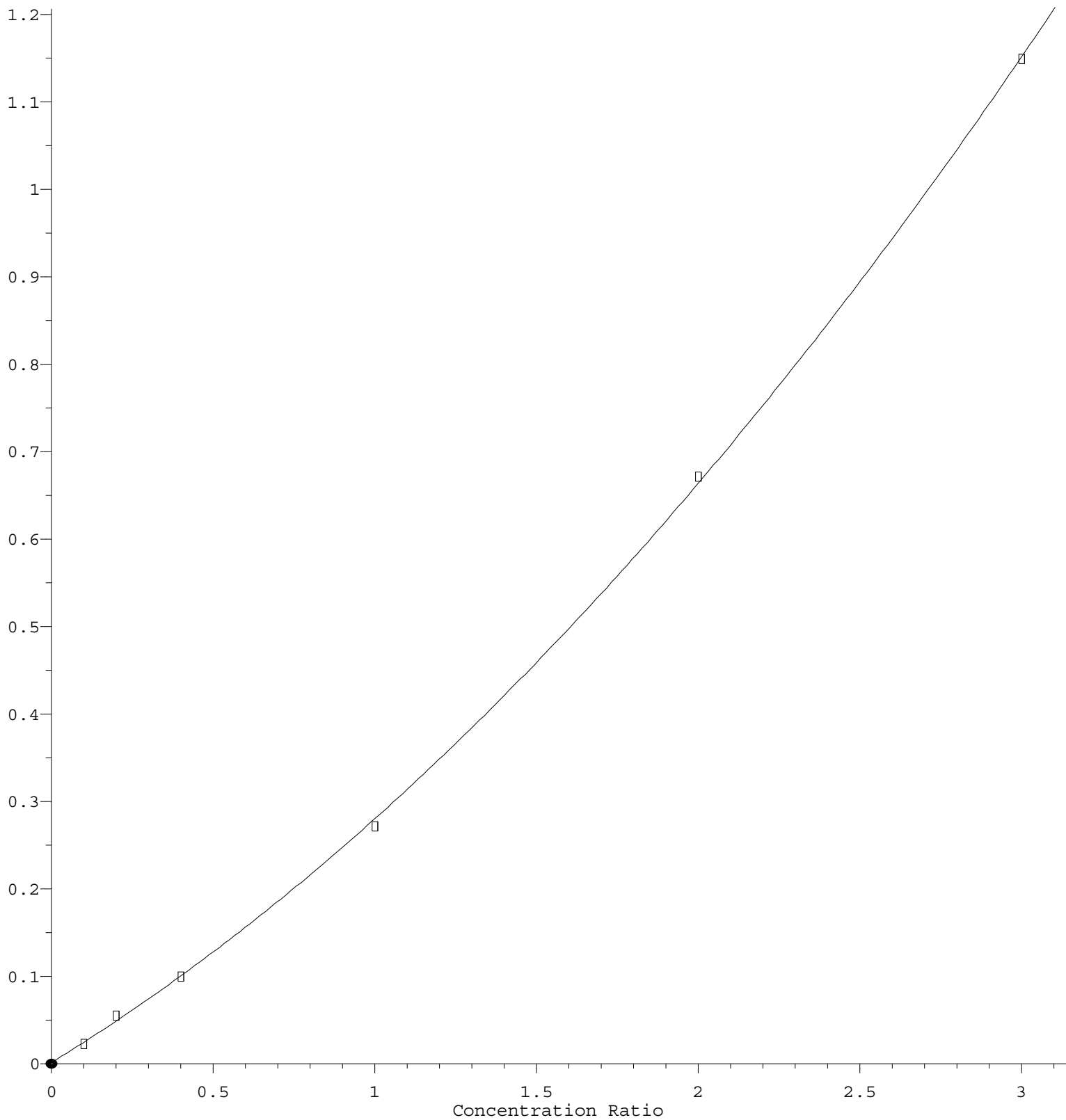
Response Ratio



$R = 6.576e-003 A^2 + 1.028e-001 A + 3.053e-002$
 Coef of Det (r^2) = 0.998091 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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Ethyl methacrylate

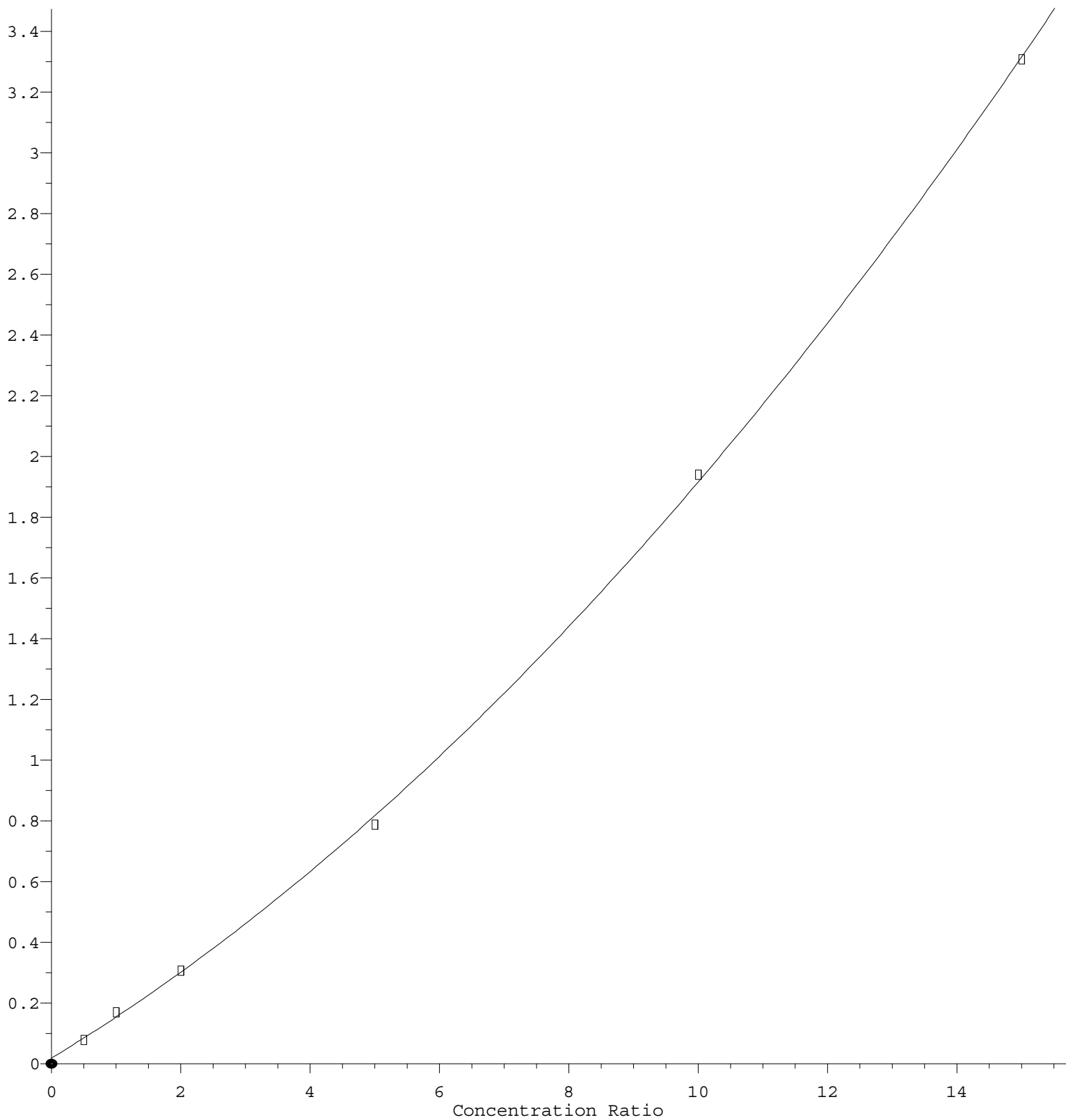
Response Ratio



$R = 5.226e-002 A^2 + 2.266e-001 A + 1.396e-003$
Coef of Det (r^2) = 0.999815 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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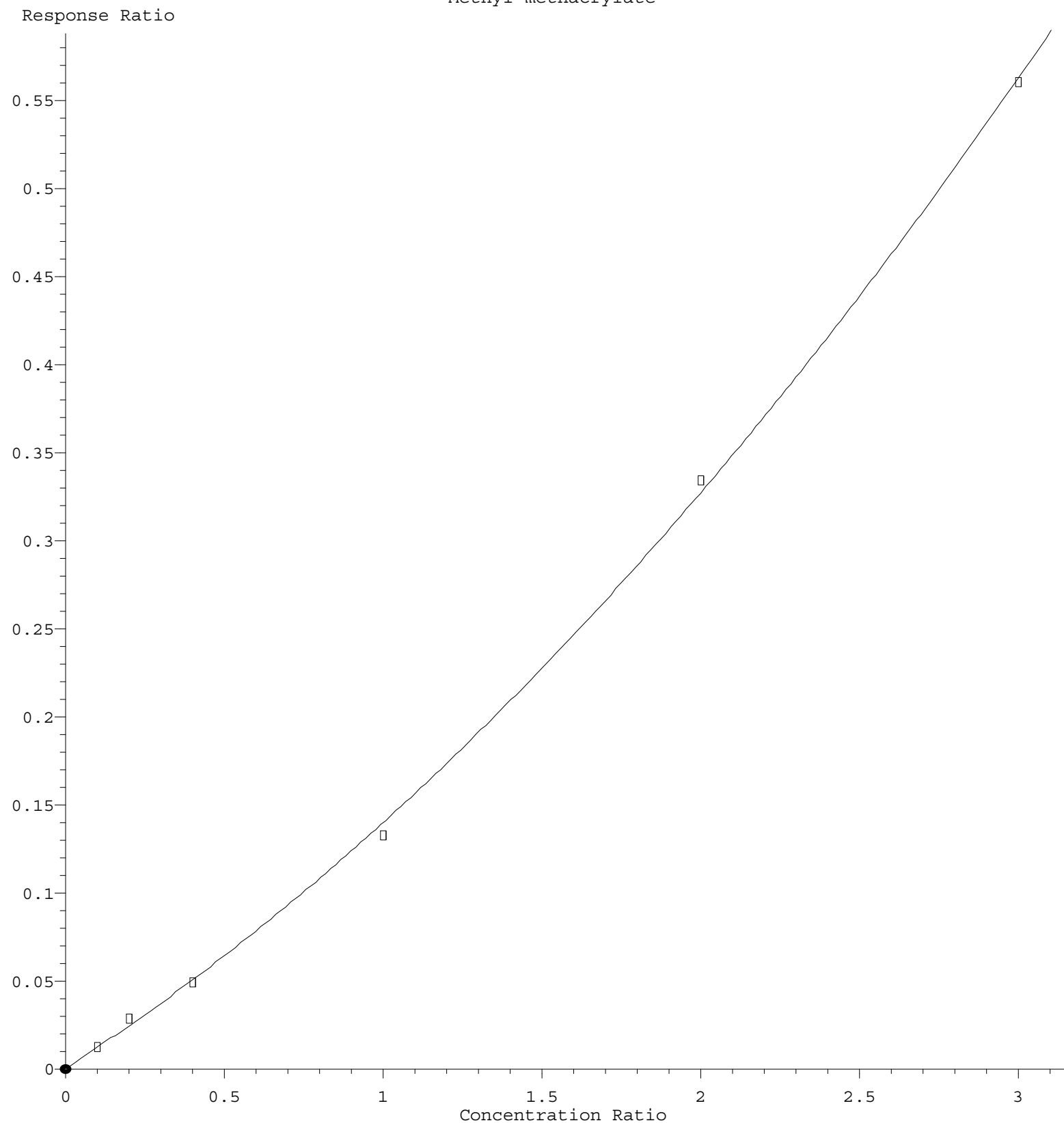
4-Methyl-2-Pentanone

Response Ratio



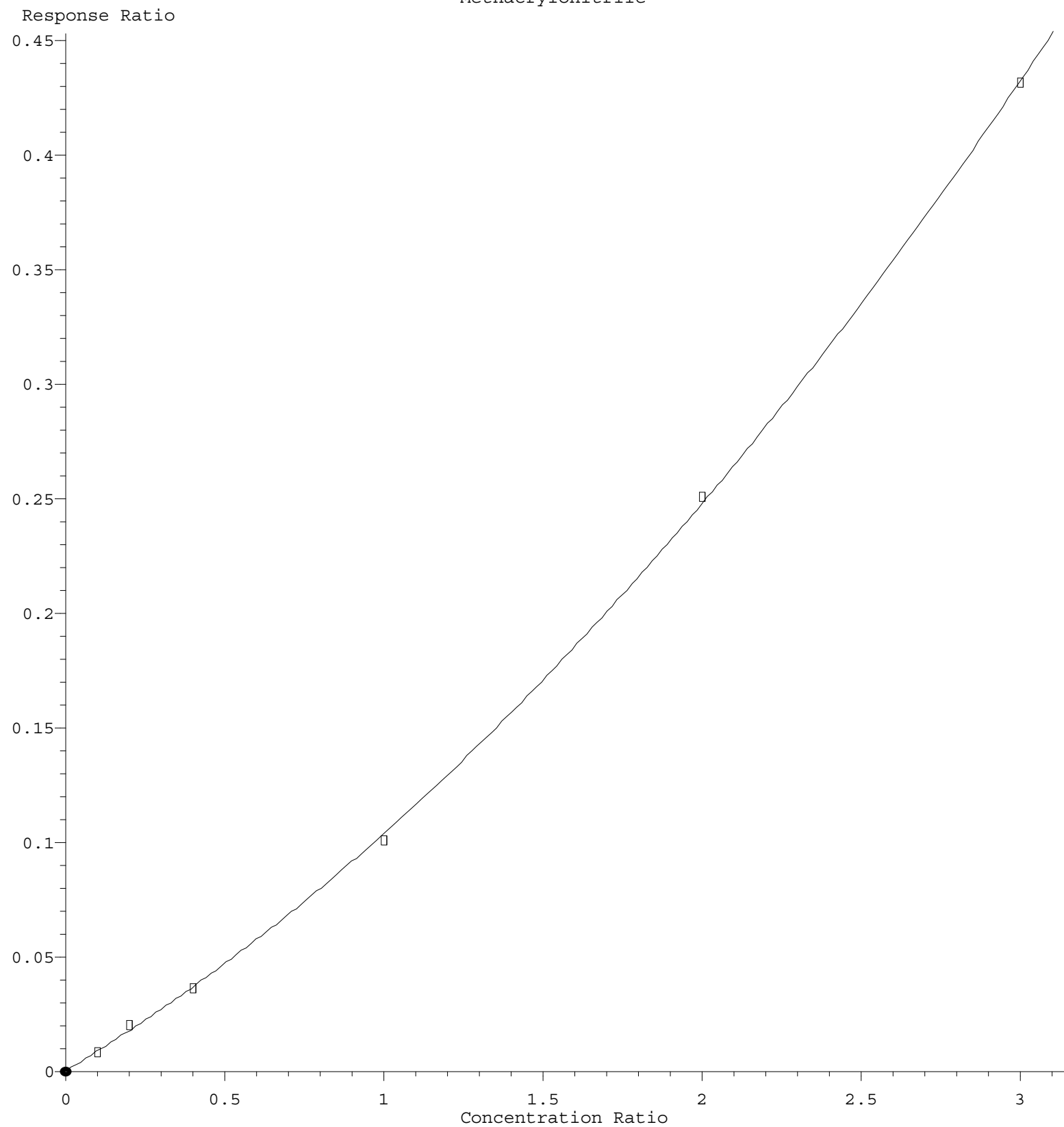
$R = 6.007e-003 A^2 + 1.297e-001 A + 1.855e-002$
Coef of Det (r^2) = 0.999781 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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Methyl methacrylate



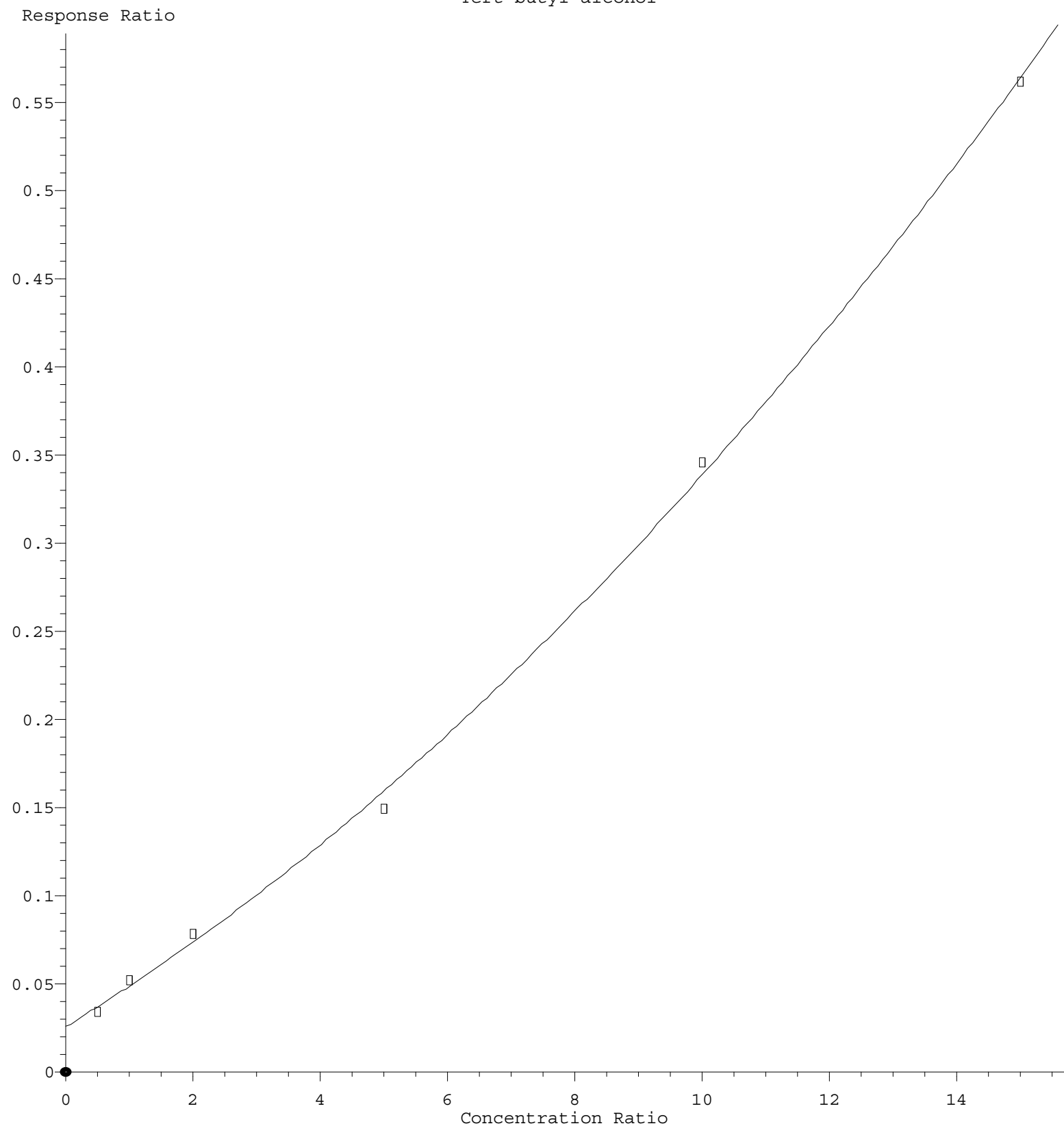
$R = 2.398e-002 A^2 + 1.154e-001 A + 6.617e-004$
 Coef of Det (r^2) = 0.999478 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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Methacrylonitrile



$R = 2.025e-002 A^2 + 8.327e-002 A + 4.939e-004$
Coef of Det (r^2) = 0.999825 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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Tert butyl alcohol



$R = 9.153e-004 A^2 + 2.215e-002 A + 2.569e-002$
 Coef of Det (r^2) = 0.999103 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032924S.M
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