

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y121625S.M
 Title : SW846 8260
 Last Update : Wed Dec 17 04:12:33 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY023985.D 10 =VY023986.D 20 =VY023987.D 50 =VY023988.D 100 =VY023989.D 150 =VY023990.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.314	0.326	0.370	0.325	0.332	0.258	0.321	11.29
3) P	Chloromethane	0.333	0.362	0.390	0.401	0.423	0.343	0.375	9.35
4) C	Vinyl Chloride	0.422	0.445	0.505	0.503	0.544	0.427	0.474	10.52#
5) T	Bromomethane	0.410	0.412	0.443	0.396	0.452	0.412	0.421	5.18
6) T	Chloroethane	0.303	0.316	0.356	0.352	0.376	0.301	0.334	9.41
7) T	Trichlorofluor...	0.716	0.732	0.822	0.784	0.833	0.657	0.757	8.94
8) T	Diethyl Ether	0.176	0.188	0.215	0.220	0.226	0.189	0.202	10.20
9) T	1,1,2-Trichlor...	0.452	0.447	0.496	0.466	0.478	0.384	0.454	8.49
10) T	Methyl Iodide	0.335	0.389	0.505	0.585	0.633	0.484	0.489	23.12
11) T	Tert butyl alc...	0.019	0.021	0.021	0.025	0.025	0.022	0.022	10.74
12) CM	1,1-Dichloroet...	0.365	0.394	0.434	0.440	0.464	0.370	0.411	9.91#
13) T	Acrolein	0.029	0.040	0.039	0.039	0.040	0.035	0.037	11.50
14) T	Allyl chloride	0.405	0.456	0.537	0.531	0.584	0.475	0.498	13.04
15) T	Acrylonitrile	0.065	0.070	0.079	0.090	0.091	0.077	0.079	13.20
16) T	Acetone	0.172	0.127	0.124	0.104	0.103	0.086	0.119	25.28
17) T	Carbon Disulfide	0.824	0.900	1.026	1.182	1.253	0.990	1.029	15.91
18) T	Methyl Acetate	0.146	0.147	0.163	0.193	0.202	0.174	0.171	13.74
19) T	Methyl tert-bu...	0.789	0.885	1.019	1.085	1.139	0.947	0.977	13.30
20) T	Methylene Chlo...	0.684	0.554	0.538	0.489	0.472	0.378	0.519	19.57
21) T	trans-1,2-Dich...	0.382	0.416	0.480	0.482	0.512	0.409	0.447	11.51
22) T	Diisopropyl ether	0.868	1.066	1.263	1.244	1.350	1.112	1.151	15.03
23) T	Vinyl Acetate	0.451	0.536	0.652	0.711	0.765	0.643	0.626	18.39
24) P	1,1-Dichloroet...	0.659	0.713	0.825	0.785	0.838	0.671	0.749	10.43
25) T	2-Butanone	0.102	0.115	0.125	0.121	0.125	0.107	0.116	8.25
26) T	2,2-Dichloropr...	0.606	0.668	0.774	0.730	0.786	0.627	0.699	10.87
27) T	cis-1,2-Dichlo...	0.435	0.509	0.580	0.561	0.608	0.484	0.529	12.32
28) T	Bromochloromet...	0.226	0.291	0.296	0.305	0.342	0.332	0.299	13.70
29) T	Tetrahydrofuran	0.044	0.050	0.056	0.069	0.071	0.061	0.059	17.94
30) C	Chloroform	0.758	0.812	0.917	0.860	0.909	0.728	0.831	9.41#
31) T	Cyclohexane	0.629	0.633	0.694	0.696	0.730	0.587	0.661	8.09
32) T	1,1,1-Trichlor...	0.691	0.745	0.849	0.806	0.855	0.676	0.770	10.13
33) S	1,2-Dichloroet...	0.387	0.410	0.405	0.324	0.404	0.337	0.378	9.99
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.294	0.321	0.336	0.254	0.326	0.266	0.299	11.28
36) T	1,1-Dichloropr...	0.356	0.373	0.449	0.437	0.472	0.374	0.410	11.79
37) T	Ethyl Acetate	0.133	0.126	0.155	0.178	0.182	0.157	0.155	14.59
38) T	Carbon Tetrach...	0.478	0.486	0.560	0.535	0.571	0.452	0.514	9.43
39) T	Methylcyclohexane	0.471	0.480	0.571	0.592	0.651	0.515	0.547	12.84
40) TM	Benzene	1.066	1.193	1.374	1.341	1.432	1.139	1.257	11.57
41) T	Methacrylonitrile	0.079	0.081	0.101	0.092	0.100	0.084	0.090	10.72
42) TM	1,2-Dichloroet...	0.289	0.297	0.347	0.348	0.366	0.296	0.324	10.34
43) T	Isopropyl Acetate	0.226	0.256	0.301	0.340	0.367	0.312	0.300	17.46
44) TM	Trichloroethene	0.330	0.343	0.411	0.393	0.415	0.332	0.371	10.89
45) C	1,2-Dichloropr...	0.243	0.262	0.316	0.298	0.320	0.256	0.282	11.64#
46) T	Dibromomethane	0.145	0.156	0.182	0.184	0.194	0.155	0.169	11.67
47) T	Bromodichlorom...	0.367	0.421	0.480	0.467	0.500	0.401	0.439	11.64
48) T	Methyl methacr...	0.139	0.141	0.134	0.164	0.179	0.151	0.151	11.30
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	12.77
50) S	Toluene-d8	1.047	1.136	1.214	0.927	1.187	0.967	1.080	10.96
51) T	4-Methyl-2-Pen...	0.113	0.131	0.156	0.183	0.194	0.165	0.157	19.58
52) CM	Toluene	0.829	0.837	0.951	0.902	0.969	0.763	0.875	9.08#
53) T	t-1,3-Dichloro...	0.288	0.327	0.389	0.414	0.450	0.372	0.373	15.69
54) T	cis-1,3-Dichlo...	0.348	0.402	0.484	0.491	0.530	0.430	0.447	14.87
55) T	1,1,2-Trichlor...	0.194	0.225	0.251	0.254	0.261	0.211	0.233	11.56
56) T	Ethyl methacry...	0.180	0.210	0.267	0.312	0.343	0.288	0.267	23.24

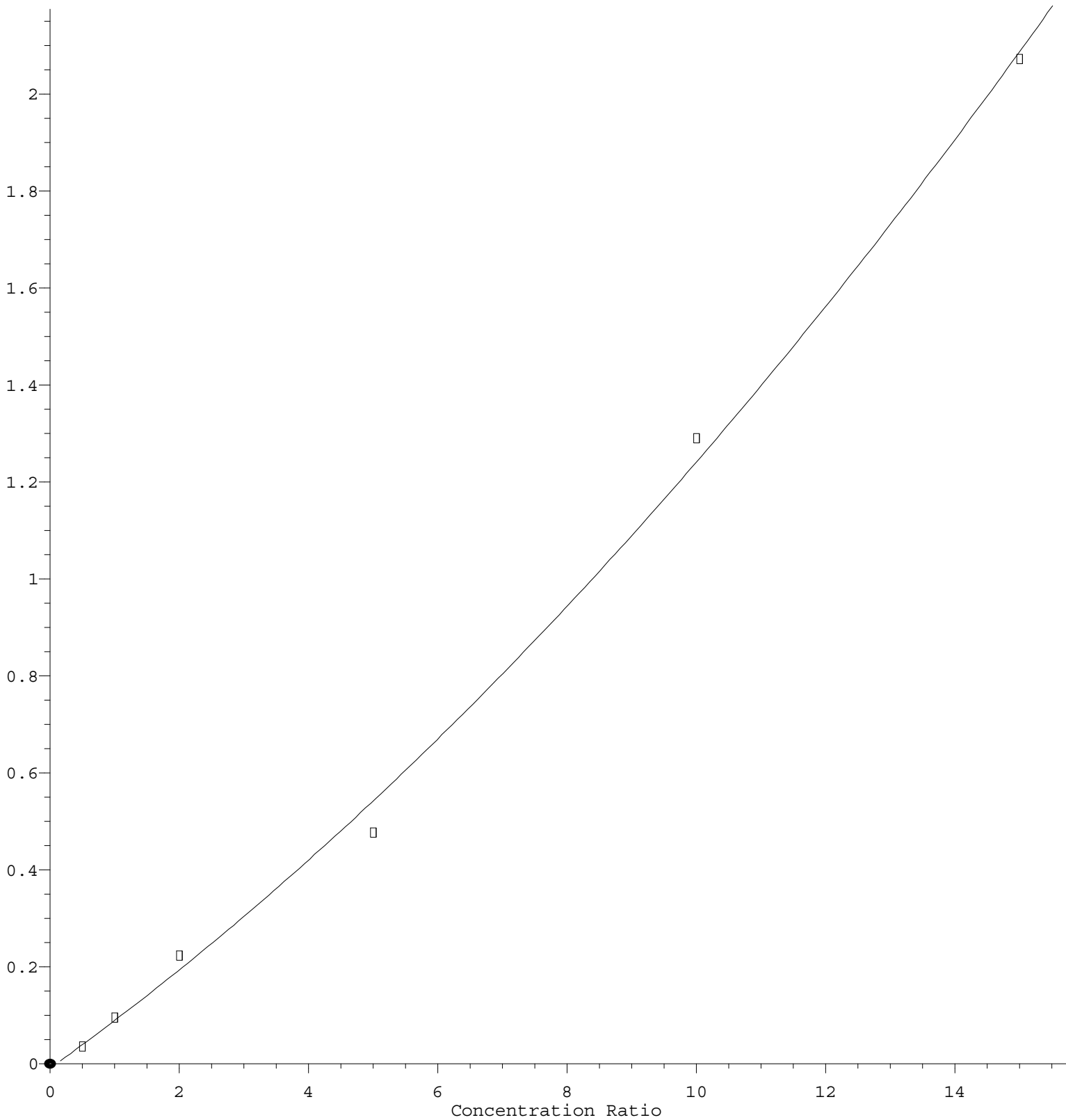
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
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57)	T	1,3-Dichloropr...	0.313	0.343	0.400	0.410	0.425	0.347	0.373	11.99
58)	T	2-Chloroethyl ...	0.071	0.095	0.112	0.095	0.129	0.138	0.107	23.07
59)	T	2-Hexanone	0.087	0.102	0.125	0.133	0.141	0.121	0.118	16.94
60)	T	Dibromochlorom...	0.272	0.303	0.352	0.357	0.376	0.302	0.327	12.41
61)	T	1,2-Dibromoethane	0.182	0.196	0.226	0.239	0.248	0.202	0.215	12.04
62)	S	4-Bromofluorob...	0.337	0.371	0.388	0.305	0.395	0.327	0.354	10.16
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.457	0.498	0.585	0.552	0.553	0.434	0.513	11.67
65)	PM	Chlorobenzene	0.952	1.050	1.229	1.152	1.227	0.992	1.100	10.87
66)	T	1,1,1,2-Tetrac...	0.340	0.368	0.434	0.406	0.433	0.349	0.388	10.74
67)	C	Ethyl Benzene	1.419	1.624	1.955	1.938	2.106	1.698	1.790	14.20#
68)	T	m/p-Xylenes	0.575	0.646	0.797	0.780	0.841	0.674	0.719	14.28
69)	T	o-Xylene	0.525	0.593	0.736	0.727	0.790	0.641	0.669	14.91
70)	T	Styrene	0.767	0.938	1.195	1.188	1.293	1.059	1.073	18.09
71)	P	Bromoform	0.204	0.207	0.247	0.251	0.263	0.218	0.232	10.86
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.726	3.063	3.922	3.655	4.065	3.234	3.444	15.16
74)	T	N-amyl acetate	0.362	0.427	0.560	0.646	0.757	0.659	0.568	26.36
75)	P	1,1,2,2-Tetrac...	0.469	0.465	0.532	0.551	0.603	0.512	0.522	10.00
76)	T	1,2,3-Trichlor...	0.409	0.348	0.470	0.483	0.484	0.339	0.422	15.88
77)	T	Bromobenzene	0.754	0.808	0.961	0.910	0.978	0.784	0.866	11.08
78)	T	n-propylbenzene	3.100	3.550	4.446	4.219	4.658	3.710	3.947	15.04
79)	T	2-Chlorotoluene	1.861	2.027	2.567	2.385	2.618	2.100	2.260	13.67
80)	T	1,3,5-Trimethy...	2.053	2.429	3.100	2.907	3.205	2.555	2.708	16.27
81)	T	trans-1,4-Dich...	0.141	0.151	0.177	0.186	0.206	0.176	0.173	13.68
82)	T	4-Chlorotoluene	1.950	2.133	2.630	2.431	2.647	2.129	2.320	12.55
83)	T	tert-Butylbenzene	1.960	2.206	2.963	2.762	2.985	2.377	2.542	16.71
84)	T	1,2,4-Trimethy...	1.983	2.424	3.074	2.896	3.156	2.532	2.678	16.72
85)	T	sec-Butylbenzene	2.972	3.346	4.156	3.892	4.255	3.396	3.670	13.87
86)	T	p-Isopropyltol...	2.422	2.747	3.483	3.316	3.633	2.897	3.083	15.22
87)	T	1,3-Dichlorobe...	1.477	1.568	1.871	1.721	1.858	1.499	1.666	10.57
88)	T	1,4-Dichlorobe...	1.496	1.562	1.822	1.688	1.807	1.434	1.635	9.95
89)	T	n-Butylbenzene	2.169	2.299	2.967	2.844	3.154	2.547	2.663	14.60
90)	T	Hexachloroethane	0.569	0.621	0.721	0.652	0.723	0.576	0.644	10.54
91)	T	1,2-Dichlorobe...	1.262	1.378	1.608	1.499	1.585	1.289	1.437	10.38
92)	T	1,2-Dibromo-3-...	0.063	0.067	0.075	0.084	0.089	0.078	0.076	12.87
93)	T	1,2,4-Trichlor...	0.670	0.719	0.892	0.888	0.934	0.801	0.817	12.95
94)	T	Hexachlorobuta...	0.575	0.549	0.635	0.582	0.601	0.491	0.572	8.56
95)	T	Naphthalene	0.794	0.938	1.213	1.438	1.540	1.401	1.221	24.40
96)	T	1,2,3-Trichlor...	0.566	0.599	0.731	0.750	0.785	0.684	0.686	12.67

(#) = Out of Range

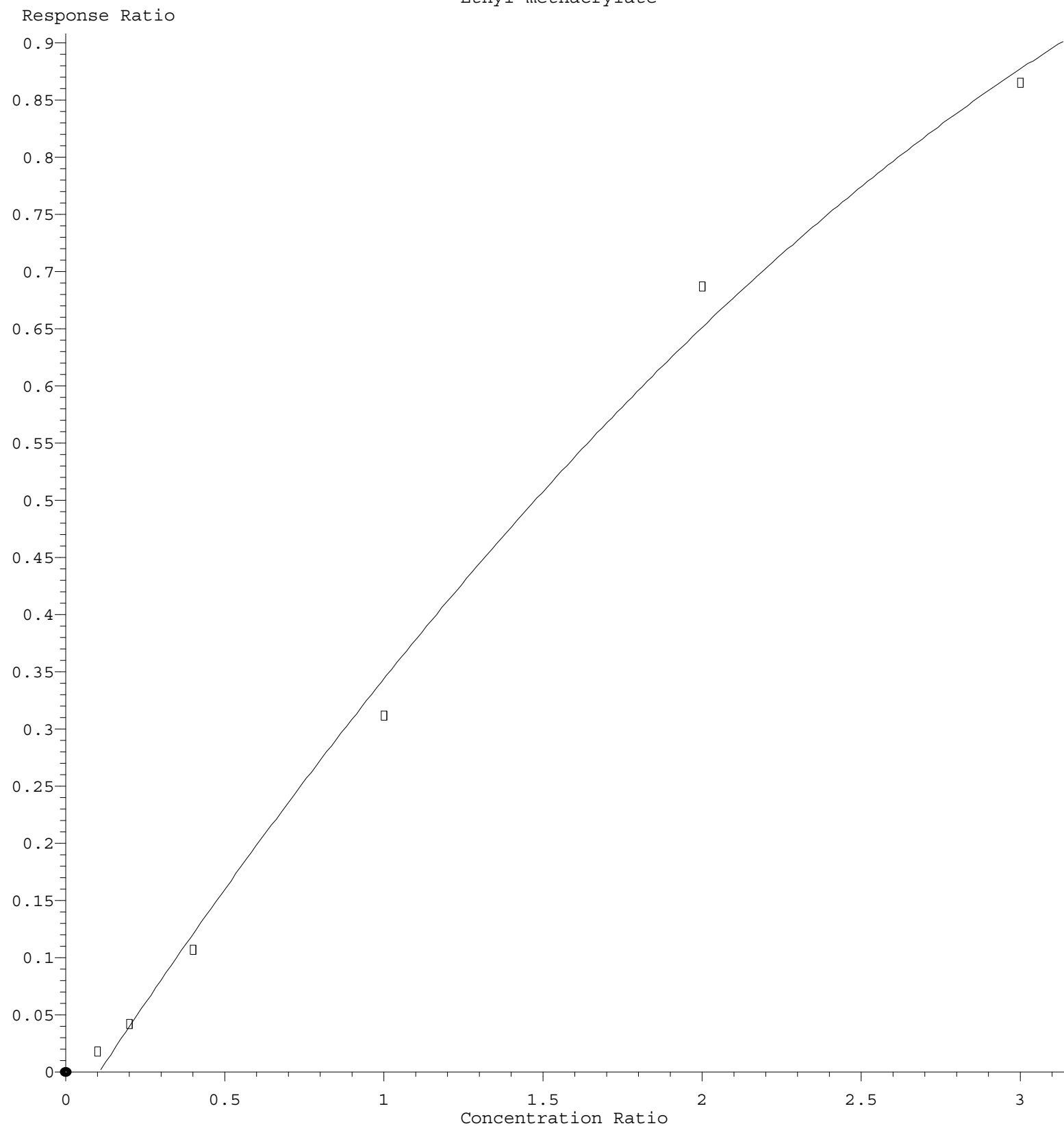
2-Chloroethyl Vinyl ether

Response Ratio



$R = 2.948e-003 A^2 + 9.553e-002 A - 9.100e-003$
 Coef of Det (r^2) = 0.997641 Curve Fit: Quadratic
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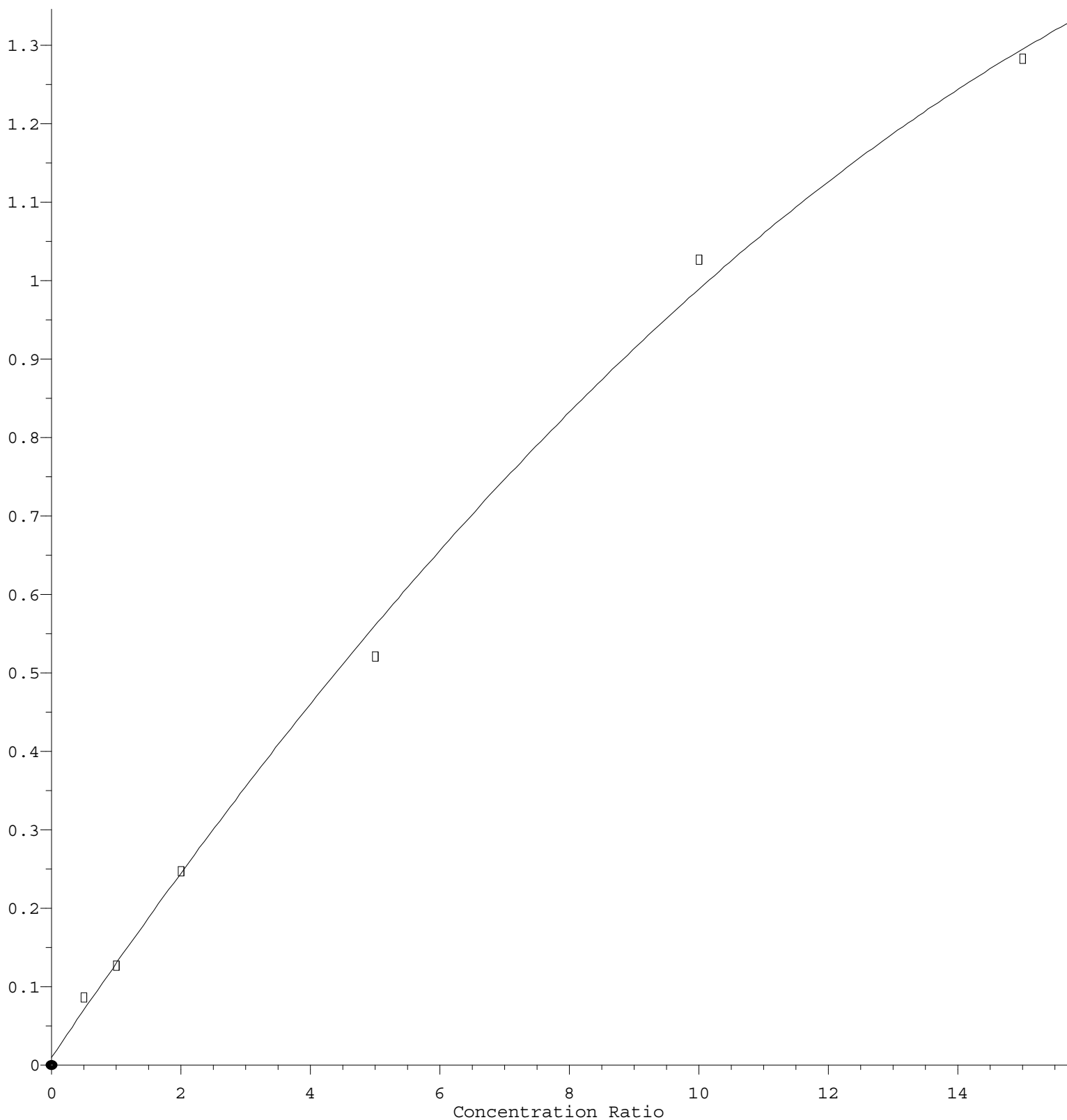
Ethyl methacrylate



$R = -4.058e-002 A^2 + 4.290e-001 A - 4.451e-002$
Coef of Det (r^2) = 0.995236 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121625S.M
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Acetone

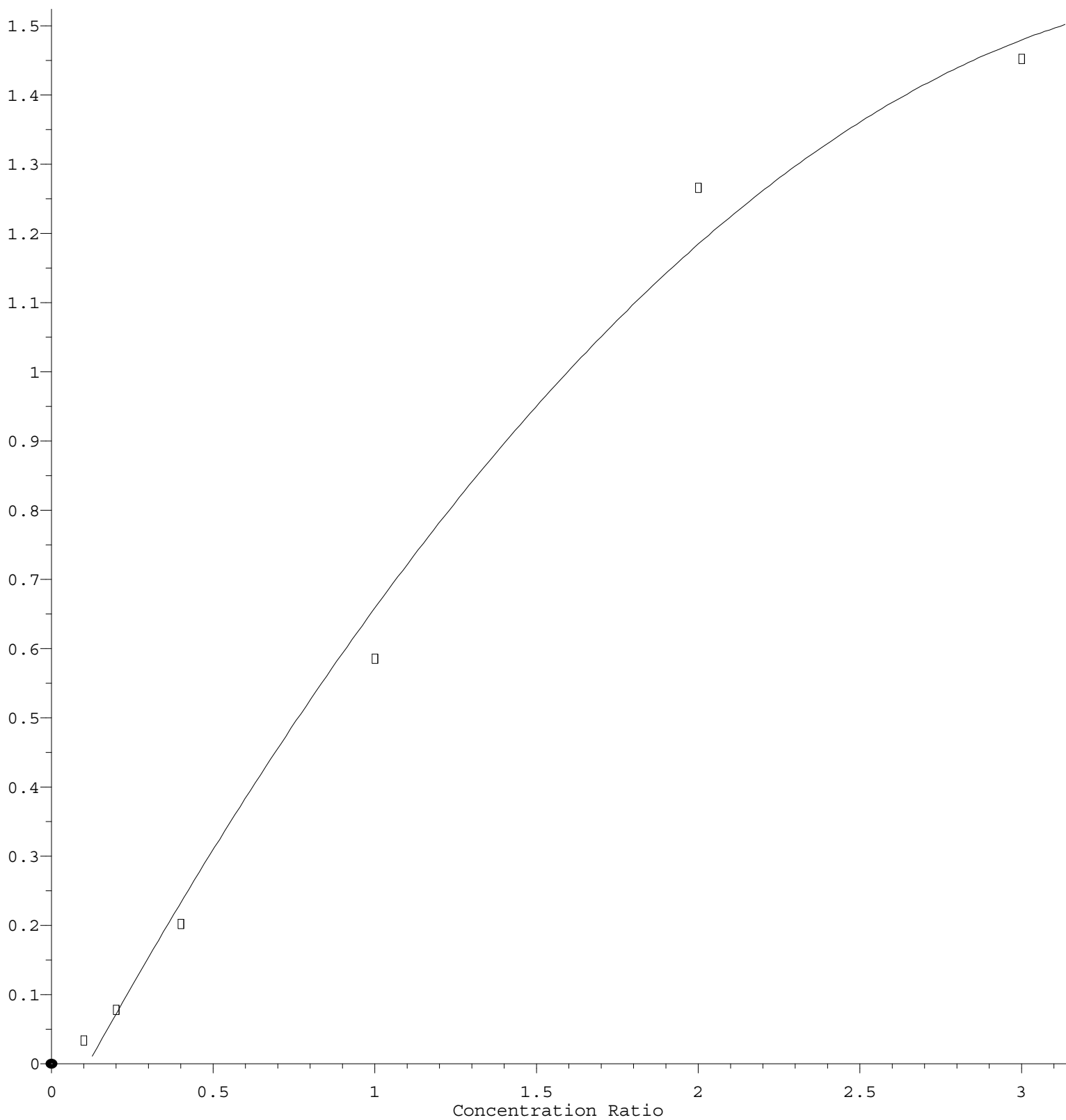
Response Ratio



$R = -2.450e-003 A^2 + 1.224e-001 A + 9.852e-003$
Coef of Det (r^2) = 0.997266 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121625S.M
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Methyl Iodide

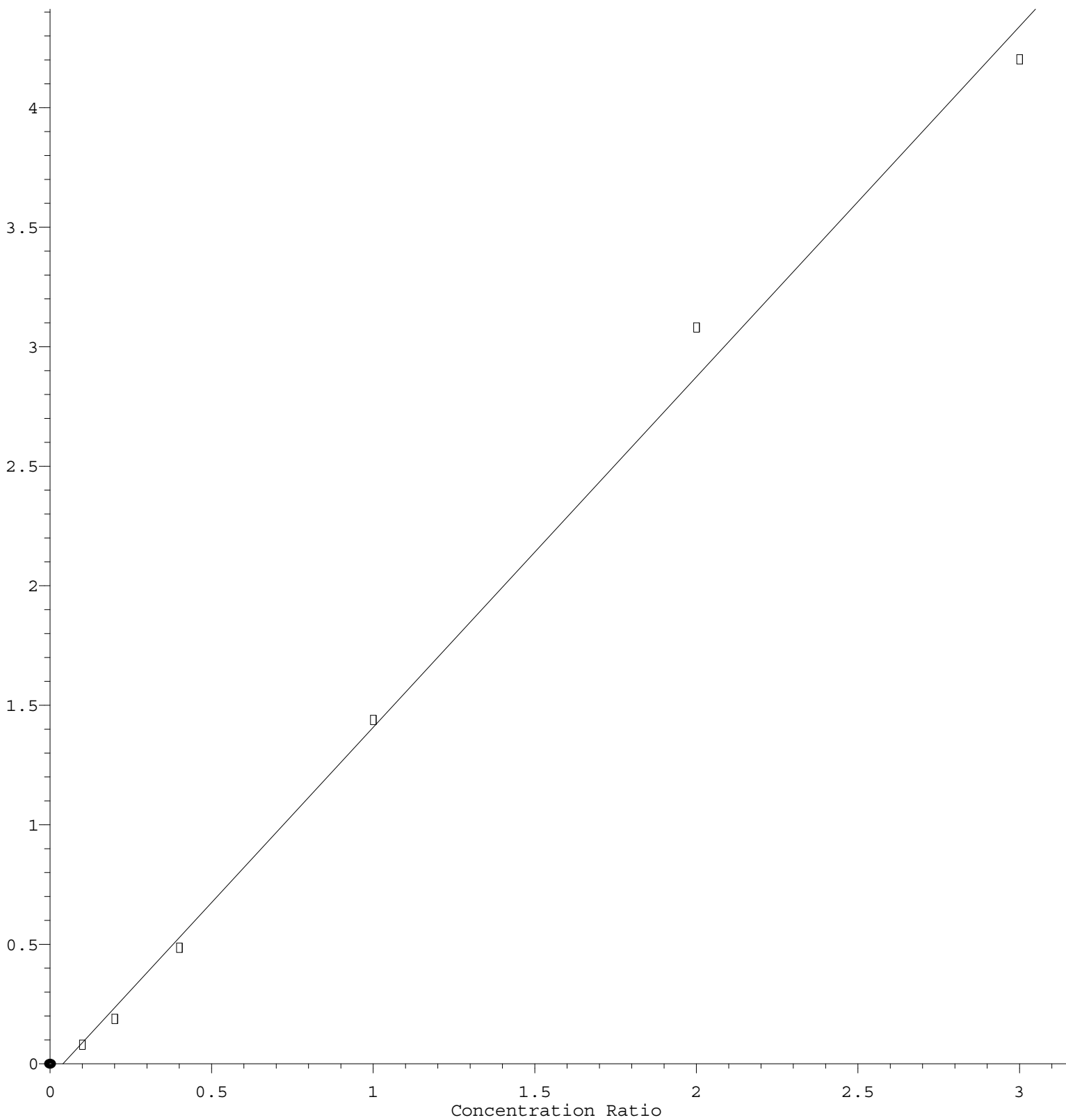
Response Ratio



$R = -1.152e-001 A^2 + 8.713e-001 A - 9.730e-002$
Coef of Det (r^2) = 0.991788 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121625S.M
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Naphthalene

Response Ratio



$$\text{Response} = 1.466\text{e}+000 * \text{Amt} - 5.865\text{e}-002$$

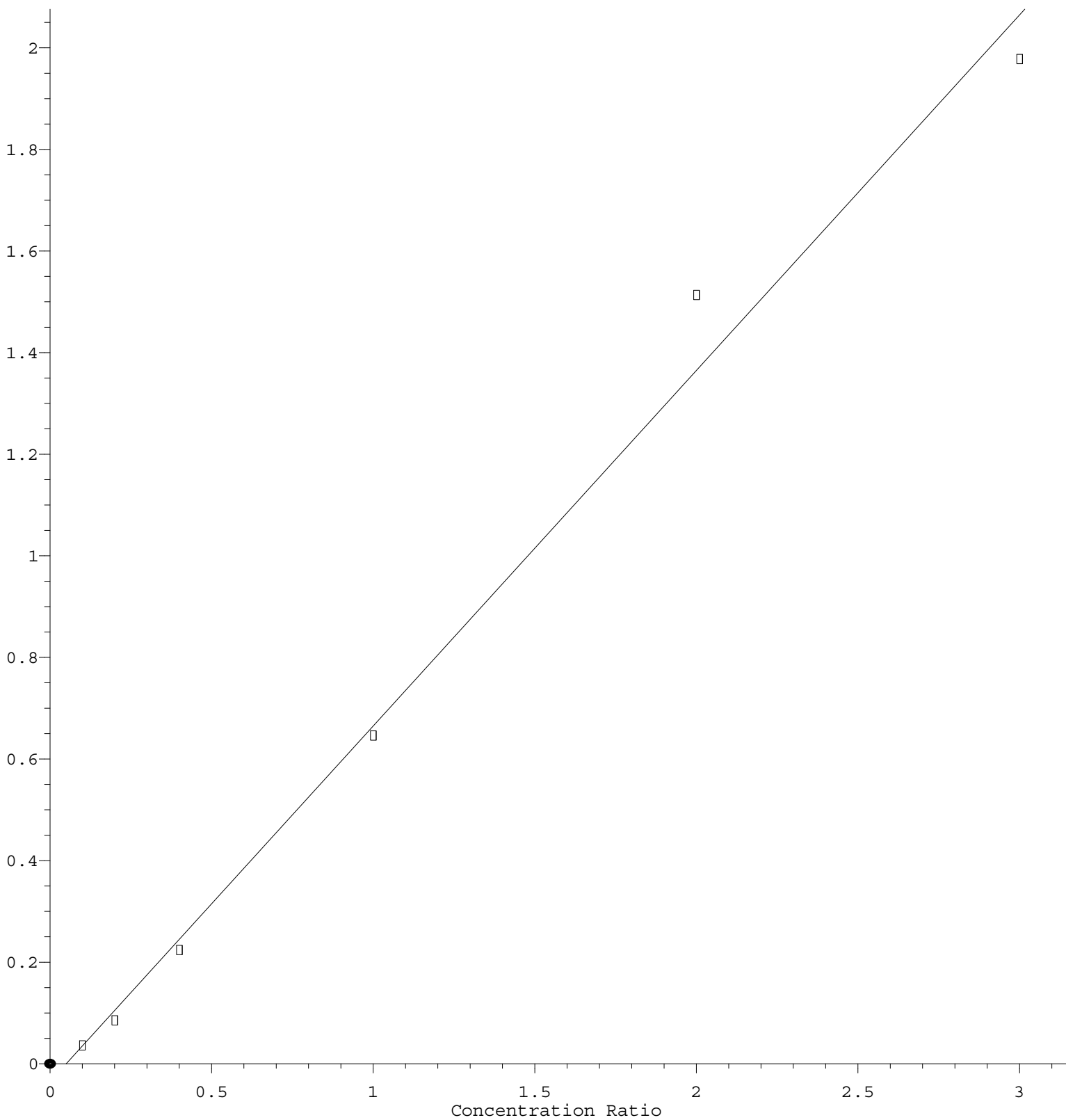
Coef of Det (r^2) = 0.995409 Curve Fit: Linear

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N-amyl acetate

Response Ratio



$$\text{Response} = 7.001\text{e-}001 * \text{Amt} - 3.470\text{e-}002$$

Coef of Det (r^2) = 0.990741 Curve Fit: Linear

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