

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N021825W.M
 Title : SW846 8260
 Last Update : Wed Feb 19 03:43:32 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN085777.D 5 =VN085776.D 10 =VN085775.D 20 =VN085779.D 50 =VN085773.D 100 =VN085772.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.660	0.650	0.779	0.628	0.669	0.694	0.680	7.78
3) P	Chloromethane	0.817	0.662	0.742	0.604	0.622	0.647	0.682	11.93
4) C	Vinyl Chloride	0.761	0.729	0.796	0.674	0.678	0.698	0.723	6.72#
5) T	Bromomethane		0.496	0.543	0.413	0.424	0.434	0.462	12.05
6) T	Chloroethane	0.584	0.470	0.516	0.438	0.417	0.447	0.479	12.88
7) T	Trichlorofluor...	1.103	1.065	1.134	1.006	0.959	1.010	1.046	6.33
8) T	Diethyl Ether	0.313	0.353	0.366	0.325	0.331	0.343	0.339	5.72
9) T	1,1,2-Trichlor...	0.554	0.635	0.674	0.599	0.564	0.602	0.605	7.39
10) T	Methyl Iodide		0.724	0.806	0.712	0.722	0.764	0.745	5.24
11) T	Tert butyl alc...		0.083	0.092	0.073	0.078	0.072	0.080	9.91
12) CM	1,1-Dichloroet...	0.514	0.571	0.591	0.531	0.527	0.555	0.548	5.35#
13) T	Acrolein		0.126	0.117	0.105	0.126	0.116	0.118	7.35
14) T	Allyl chloride	0.694	0.724	0.778	0.686	0.691	0.747	0.720	5.13
15) T	Acrylonitrile	0.255	0.260	0.278	0.256	0.245	0.262	0.259	4.23
16) T	Acetone	0.227	0.208	0.217	0.198	0.184	0.195	0.205	7.68
17) T	Carbon Disulfide	1.848	1.604	1.804	1.455	1.473	1.565	1.625	10.22
18) T	Methyl Acetate	0.853	0.690	0.794	0.625	0.619	0.653	0.705	13.70
19) T	Methyl tert-bu...	1.438	1.560	1.714	1.659	1.658	1.747	1.629	6.95
20) T	Methylene Chlo...	0.736	0.666	0.710	0.625	0.593	0.628	0.660	8.34
21) T	trans-1,2-Dich...	0.623	0.599	0.621	0.566	0.549	0.585	0.590	5.05
22) T	Diisopropyl ether	1.326	1.567	1.764	1.716	1.643	1.744	1.627	10.09
23) T	Vinyl Acetate	0.999	1.034	1.189	1.126	1.118	1.218	1.114	7.63
24) P	1,1-Dichloroet...	1.073	1.125	1.216	1.089	1.035	1.097	1.106	5.59
25) T	2-Butanone	0.279	0.299	0.331	0.299	0.294	0.308	0.302	5.61
26) T	2,2-Dichloropr...	0.943	0.987	1.069	0.971	0.946	0.984	0.983	4.68
27) T	cis-1,2-Dichlo...	0.646	0.685	0.740	0.671	0.661	0.705	0.685	4.91
28) T	Bromochloromet...	0.483	0.570	0.346	0.402	0.444	0.481	0.454	16.96
29) T	Tetrahydrofuran	0.167	0.183	0.214	0.204	0.196	0.206	0.195	8.97
30) C	Chloroform	1.171	1.164	1.269	1.141	1.070	1.120	1.156	5.74#
31) T	Cyclohexane		1.056	0.977	0.858	0.860	0.878	0.926	9.50
32) T	1,1,1-Trichlor...	1.030	1.058	1.089	1.012	0.967	1.012	1.028	4.09
33) S	1,2-Dichloroet...		0.767	0.588	0.575	0.613	0.698	0.648	12.64
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.357	0.294	0.293	0.317	0.375	0.327	11.46
36) T	1,1-Dichloropr...	0.426	0.436	0.490	0.458	0.460	0.509	0.463	6.84
37) T	Ethyl Acetate	0.353	0.376	0.385	0.396	0.375	0.400	0.381	4.47
38) T	Carbon Tetrach...	0.533	0.545	0.583	0.538	0.528	0.573	0.550	4.11
39) T	Methylcyclohexane	0.373	0.405	0.446	0.453	0.492	0.560	0.455	14.50
40) TM	Benzene	1.420	1.421	1.568	1.474	1.441	1.581	1.484	4.89
41) T	Methacrylonitrile	0.165	0.197	0.211	0.211	0.216	0.222	0.204	10.14
42) TM	1,2-Dichloroet...	0.472	0.464	0.527	0.483	0.456	0.499	0.483	5.42
43) T	Isopropyl Acetate	1.354	0.742	0.764	0.670	0.637	0.673	0.807	33.76
44) TM	Trichloroethene	0.395	0.350	0.384	0.348	0.339	0.370	0.364	6.15
45) C	1,2-Dichloropr...	0.339	0.344	0.385	0.357	0.347	0.377	0.358	5.25#
46) T	Dibromomethane	0.242	0.245	0.265	0.256	0.243	0.266	0.253	4.42
47) T	Bromodichlorom...	0.512	0.533	0.571	0.541	0.518	0.569	0.541	4.62
48) T	Methyl methacr...	0.236	0.258	0.277	0.294	0.301	0.332	0.283	11.90
49) T	1,4-Dioxane	0.005	0.005	0.006	0.005	0.006	0.005	0.005	5.54
50) S	Toluene-d8		1.212	1.017	1.080	1.199	1.444	1.190	13.77
51) T	4-Methyl-2-Pen...	0.290	0.342	0.392	0.388	0.379	0.414	0.367	12.11
52) CM	Toluene	0.689	0.820	0.924	0.891	0.902	0.993	0.870	12.03#
53) T	t-1,3-Dichloro...	0.408	0.471	0.518	0.505	0.521	0.576	0.500	11.31
54) T	cis-1,3-Dichlo...	0.442	0.513	0.582	0.559	0.566	0.626	0.548	11.58
55) T	1,1,2-Trichlor...	0.324	0.346	0.370	0.344	0.331	0.361	0.346	5.04
56) T	Ethyl methacry...	0.264	0.382	0.448	0.457	0.497	0.557	0.434	23.32

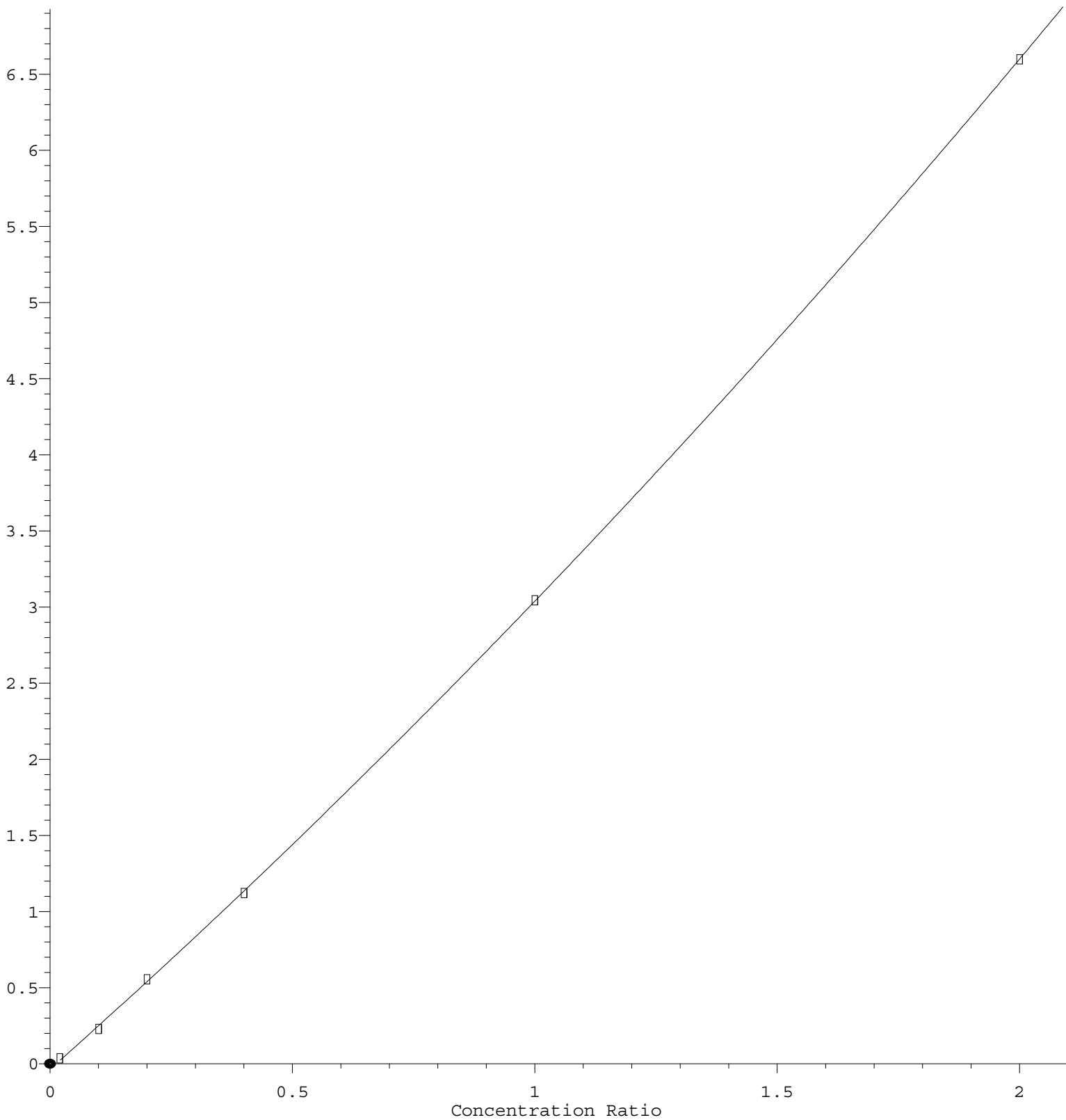
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57)	T	1,3-Dichloropr...	0.533	0.553	0.615	0.580	0.565	0.619	0.577	5.91
58)	T	2-Chloroethyl ...	0.133	0.176	0.170	0.249	0.174	0.266	0.195	26.24
59)	T	2-Hexanone	0.184	0.227	0.266	0.270	0.273	0.296	0.253	15.99
60)	T	Dibromochlorom...	0.355	0.384	0.431	0.405	0.402	0.440	0.403	7.70
61)	T	1,2-Dibromoethane	0.273	0.320	0.362	0.330	0.322	0.354	0.327	9.68
62)	S	4-Bromofluorob...	0.370	0.323	0.346	0.419	0.503	0.392		18.22
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.393	0.391	0.420	0.375	0.361	0.384	0.387	5.17
65)	PM	Chlorobenzene	1.109	1.139	1.212	1.119	1.110	1.183	1.145	3.75
66)	T	1,1,1,2-Tetrac...	0.408	0.402	0.444	0.401	0.395	0.420	0.412	4.31
67)	C	Ethyl Benzene	1.424	1.665	1.830	1.838	1.904	2.105	1.794	12.85#
68)	T	m/p-Xylenes	0.481	0.610	0.725	0.722	0.741	0.809	0.682	17.19
69)	T	o-Xylene	0.502	0.584	0.666	0.659	0.704	0.771	0.648	14.48
70)	T	Styrene	0.744	0.885	1.060	1.133	1.203	1.327	1.059	20.15
71)	P	Bromoform	0.274	0.301	0.322	0.309	0.303	0.327	0.306	6.20
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.933	3.067	3.623	3.484	3.596	3.851	3.425	10.31
74)	T	N-ethyl acetate	1.072	1.117	1.263	1.245	1.241	1.311	1.208	7.67
75)	P	1,1,2,2-Tetrac...	1.271	1.218	1.304	1.154	1.053	1.073	1.179	8.77
76)	T	1,2,3-Trichlor...	1.324	1.161	1.145	1.122	0.947	0.964	1.111	12.59
77)	T	Bromobenzene	0.862	0.905	1.024	0.908	0.904	0.950	0.925	6.01
78)	T	n-propylbenzene	3.031	3.463	4.126	4.090	4.256	4.572	3.923	14.46
79)	T	2-Chlorotoluene	2.385	2.425	2.842	2.681	2.616	2.779	2.621	7.07
80)	T	1,3,5-Trimethy...	2.032	2.418	2.989	3.004	3.056	3.243	2.790	16.62
81)	T	trans-1,4-Dich...	0.339	0.392	0.367	0.397	0.409	0.381		7.38
82)	T	4-Chlorotoluene	2.201	2.437	2.837	2.643	2.658	2.815	2.598	9.32
83)	T	tert-Butylbenzene	1.802	2.119	2.432	2.421	2.578	2.727	2.346	14.27
84)	T	1,2,4-Trimethy...	1.838	2.387	2.937	3.018	3.078	3.306	2.761	19.75
85)	T	sec-Butylbenzene	2.486	2.938	3.534	3.417	3.653	3.864	3.315	15.40
86)	T	p-Isopropyltol...	1.779	2.288	2.776	2.804	3.045	3.299	2.665	20.58
87)	T	1,3-Dichlorobe...	1.748	1.697	1.876	1.675	1.635	1.772	1.734	4.93
88)	T	1,4-Dichlorobe...	1.921	1.777	1.884	1.684	1.647	1.750	1.777	6.08
89)	T	n-Butylbenzene	2.102	2.032	2.338	2.271	2.551	2.829	2.354	12.58
90)	T	Hexachloroethane	0.707	0.629	0.635	0.589	0.587	0.620	0.628	6.99
91)	T	1,2-Dichlorobe...	1.744	1.642	1.768	1.617	1.574	1.660	1.667	4.48
92)	T	1,2-Dibromo-3-...	0.256	0.222	0.238	0.191	0.193	0.198	0.216	12.42
93)	T	1,2,4-Trichlor...	0.829	0.728	0.827	0.704	0.802	0.877	0.794	8.31
94)	T	Hexachlorobuta...	0.649	0.481	0.503	0.405	0.424	0.435	0.483	18.51
95)	T	Naphthalene	2.397	1.858	2.160	1.821	2.324	2.527	2.181	13.31
96)	T	1,2,3-Trichlor...	0.917	0.736	0.844	0.675	0.789	0.825	0.798	10.65

(#) = Out of Range

p-Isopropyltoluene

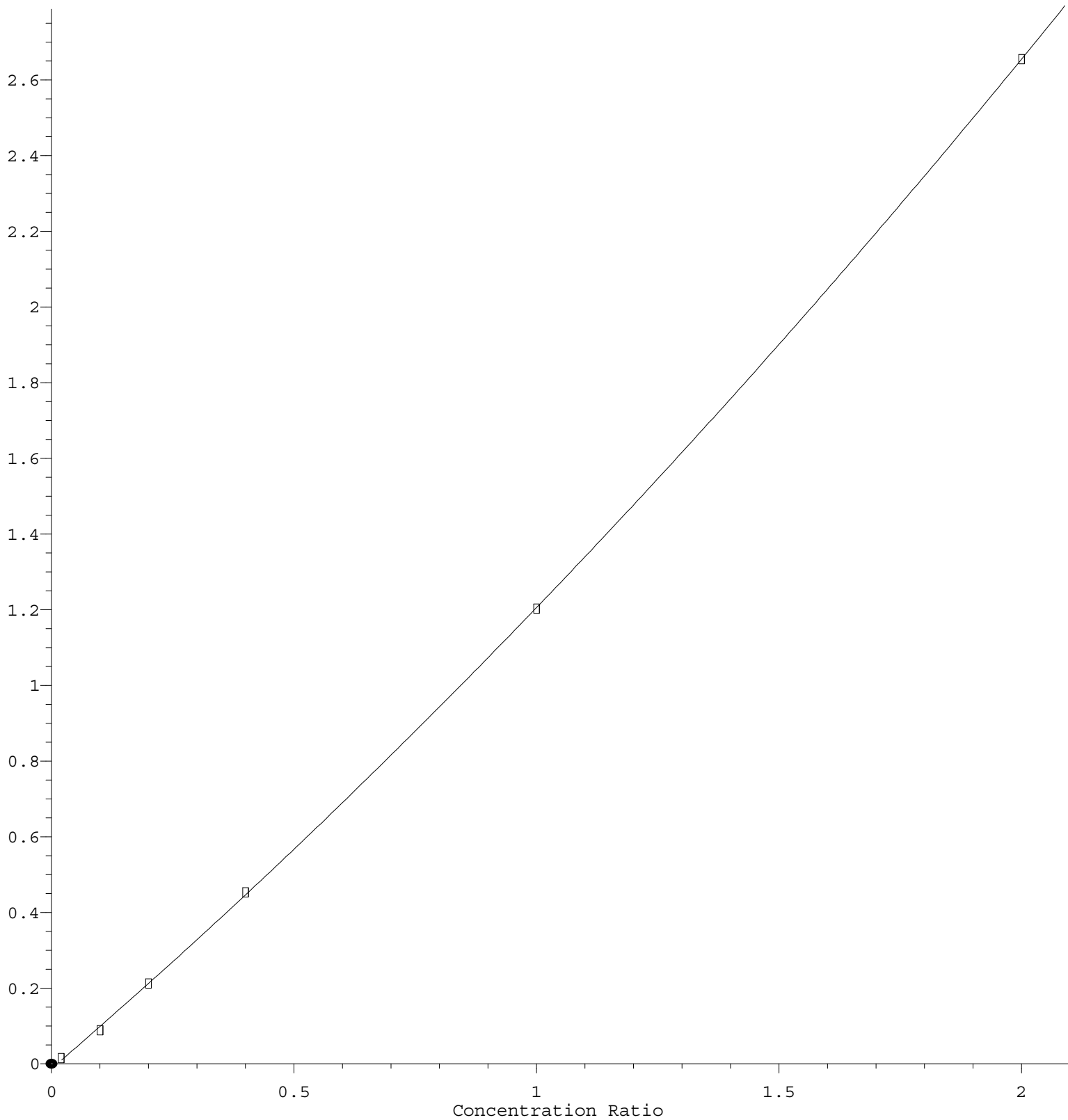
Response Ratio



R = 2.438e-001 A*A + 2.829e+000 A - 3.541e-002
Coef of Det (r^2) = 0.999965 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
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Styrene

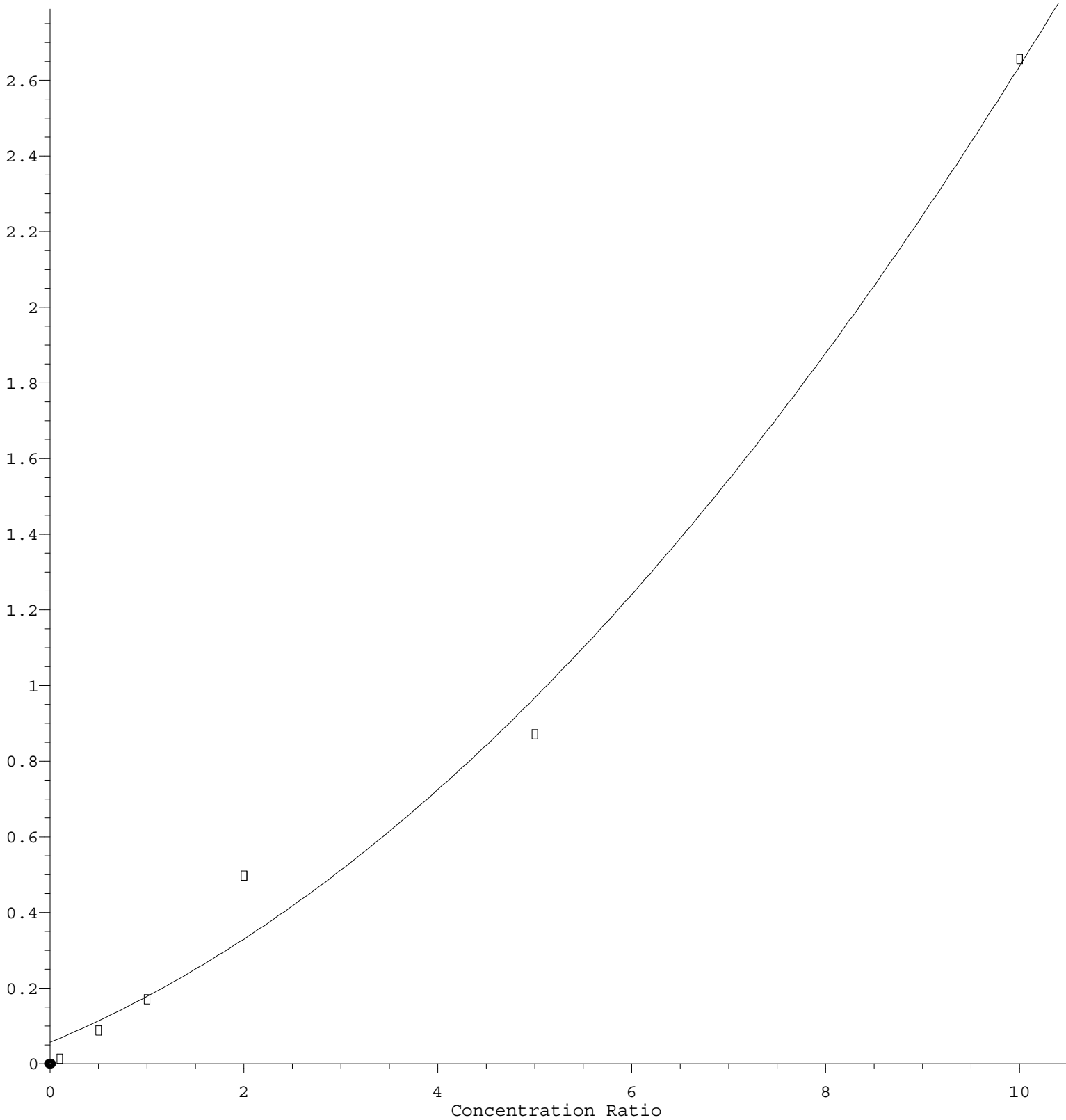
Response Ratio



$R = 1.156e-001 A^2 + 1.102e+000 A - 1.290e-002$
 Coef of Det (r^2) = 0.999965 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
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2-Chloroethyl Vinyl ether

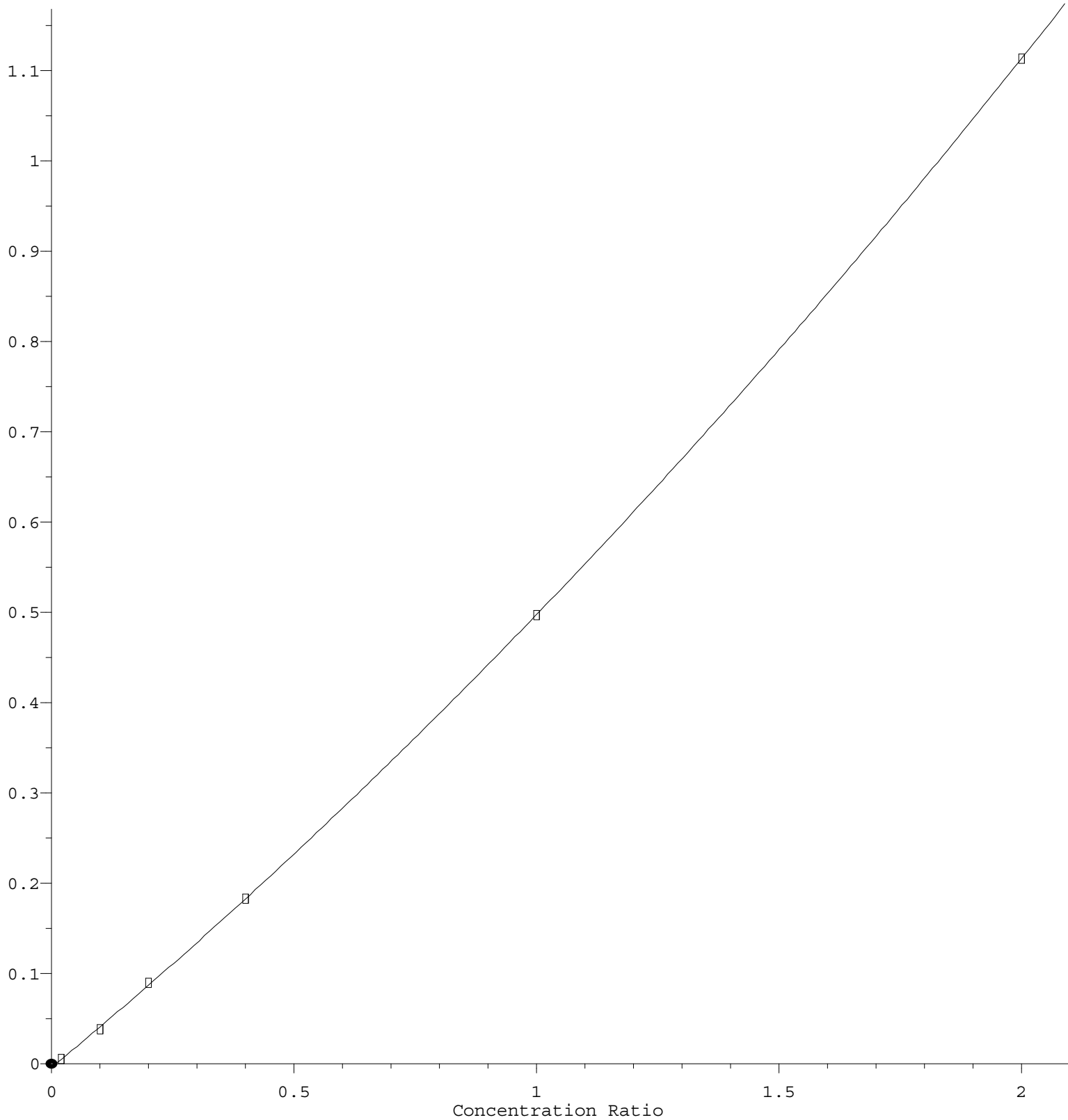
Response Ratio



$R = 1.518 \times 10^{-2} A^2 + 1.064 \times 10^{-1} A + 5.673 \times 10^{-2}$
 Coef of Det (r^2) = 0.991781 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
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Ethyl methacrylate

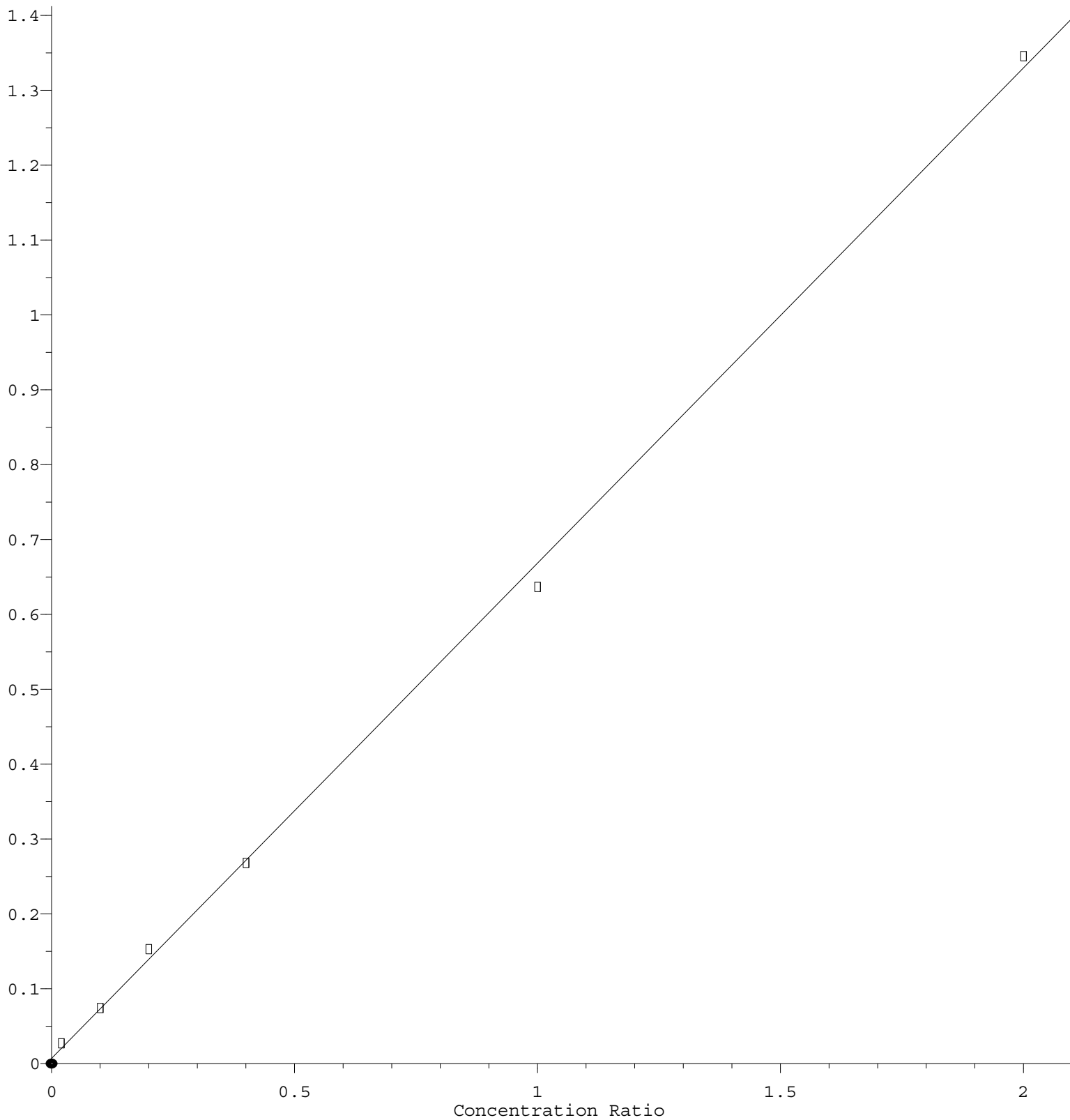
Response Ratio



$R = 5.718e-002 A^2 + 4.442e-001 A - 4.090e-003$
Coef of Det (r^2) = 0.999984 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
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Isopropyl Acetate

Response Ratio



Response = 6.614e-001 * Amt + 7.307e-003
Coef of Det (r^2) = 0.998821 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
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