

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D060123S.M
 Title : SW846 8260
 Last Update : Fri Jun 02 05:50:45 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD076302.D 10 =VD076303.D 20 =VD076304.D 50 =VD076305.D 100 =VD076306.D 150 =VD076307.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.513	0.497	0.433	0.441	0.434	0.414	0.455	8.74
3) P	Chloromethane	1.203	1.256	1.218	0.970	0.917	0.875	1.073	15.90
4) C	Vinyl Chloride	1.357	1.325	1.225	1.152	1.090	1.060	1.202	10.19#
5) T	Bromomethane	0.819	0.706	0.585	0.559	0.493	0.376	0.590	26.51
6) T	Chloroethane	0.922	0.872	0.839	0.727	0.675	0.622	0.776	15.32
7) T	Trichlorofluor...	0.929	0.911	0.799	0.798	0.763	0.745	0.824	9.37
8) T	Diethyl Ether	0.293	0.281	0.321	0.283	0.287	0.290	0.292	5.04
9) T	1,1,2-Trichlor...	0.627	0.587	0.506	0.513	0.503	0.483	0.536	10.59
10) T	Methyl Iodide	0.599	0.634	0.636	0.645	0.608	0.641	0.627	2.99
11) T	Tert butyl alc...	0.030	0.034	0.036	0.028	0.029	0.030	0.031	9.38
12) CM	1,1-Dichloroet...	0.594	0.575	0.565	0.530	0.541	0.537	0.557	4.53#
13) T	Acrolein	0.038	0.041	0.047	0.029	0.029	0.030	0.036	20.99
14) T	Allyl chloride	0.538	0.580	0.601	0.524	0.533	0.536	0.552	5.58
15) T	Acrylonitrile	0.112	0.124	0.139	0.116	0.116	0.118	0.121	8.11
16) T	Acetone	0.101	0.098	0.095	0.075	0.070	0.071	0.085	16.94
17) T	Carbon Disulfide	2.088	2.025	1.880	1.767	1.709	1.658	1.854	9.39
18) T	Methyl Acetate	0.429	0.429	0.478	0.377	0.369	0.381	0.410	10.28
19) T	Methyl tert-bu...	1.044	1.072	1.216	1.124	1.126	1.162	1.124	5.50
20) T	Methylene Chlo...	1.261	1.008	0.934	0.667	0.626	0.613	0.851	30.68
21) T	trans-1,2-Dich...	0.655	0.681	0.685	0.632	0.618	0.611	0.647	4.87
22) T	Diisopropyl ether	1.175	1.311	1.490	1.312	1.275	1.294	1.310	7.80
23) T	Vinyl Acetate	0.533	0.595	0.680	0.619	0.628	0.647	0.617	8.11
24) P	1,1-Dichloroet...	1.100	1.117	1.124	0.964	0.927	0.925	1.026	9.47
25) T	2-Butanone	0.123	0.131	0.150	0.119	0.118	0.122	0.127	9.41
26) T	2,2-Dichloropr...	0.915	0.911	0.848	0.756	0.719	0.717	0.811	11.37
27) T	cis-1,2-Dichlo...	0.692	0.731	0.760	0.686	0.694	0.693	0.709	4.18
28) T	Bromochloromet...	0.366	0.476	0.463	0.366	0.347	0.351	0.395	14.80
29) T	Tetrahydrofuran	0.067	0.074	0.090	0.078	0.079	0.081	0.078	9.72
30) C	Chloroform	1.168	1.169	1.202	1.012	0.967	0.960	1.080	10.36#
31) T	Cyclohexane	0.826	0.808	0.696	0.740	0.727	0.703	0.750	7.28
32) T	1,1,1-Trichlor...	0.927	0.897	0.874	0.812	0.776	0.775	0.844	7.68
33) S	1,2-Dichloroet...	0.495	0.549	0.549	0.457	0.436	0.438	0.487	10.71
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.350	0.332	0.335	0.320	0.324	0.320	0.330	3.54
36) T	1,1-Dichloropr...	0.452	0.454	0.428	0.477	0.470	0.458	0.456	3.77
37) T	Ethyl Acetate	0.162	0.175	0.168	0.177	0.178	0.179	0.173	3.79
38) T	Carbon Tetrach...	0.397	0.383	0.357	0.408	0.412	0.401	0.393	5.16
39) T	Methylcyclohexane	0.479	0.474	0.405	0.567	0.591	0.570	0.514	14.20
40) TM	Benzene	1.438	1.432	1.450	1.482	1.457	1.433	1.449	1.33
41) T	Methacrylonitrile	0.065	0.090	0.094	0.093	0.096	0.086	0.087	12.91
42) TM	1,2-Dichloroet...	0.355	0.357	0.367	0.353	0.339	0.341	0.352	2.97
43) T	Isopropyl Acetate	0.296	0.293	0.318	0.312	0.322	0.329	0.312	4.66
44) TM	Trichloroethene	0.417	0.389	0.376	0.406	0.408	0.407	0.400	3.78
45) C	1,2-Dichloropr...	0.345	0.349	0.358	0.355	0.347	0.345	0.350	1.53#
46) T	Dibromomethane	0.196	0.208	0.219	0.206	0.202	0.201	0.205	3.93
47) T	Bromodichlorom...	0.493	0.481	0.496	0.475	0.472	0.468	0.481	2.41
48) T	Methyl methacr...	0.113	0.112	0.131	0.138	0.153	0.156	0.134	14.03
49) T	1,4-Dioxane	0.002	0.002	0.003	0.003	0.003	0.003	0.002	12.64
50) S	Toluene-d8	1.197	1.269	1.259	1.311	1.304	1.296	1.273	3.33
51) T	4-Methyl-2-Pen...	0.140	0.151	0.174	0.170	0.175	0.179	0.165	9.35
52) CM	Toluene	0.814	0.839	0.900	0.920	0.929	0.917	0.887	5.40#
53) T	t-1,3-Dichloro...	0.437	0.418	0.461	0.453	0.463	0.465	0.450	4.08
54) T	cis-1,3-Dichlo...	0.484	0.503	0.536	0.554	0.550	0.560	0.531	5.80
55) T	1,1,2-Trichlor...	0.284	0.295	0.311	0.295	0.284	0.283	0.292	3.70
56) T	Ethyl methacry...	0.230	0.258	0.306	0.325	0.342	0.348	0.301	15.84

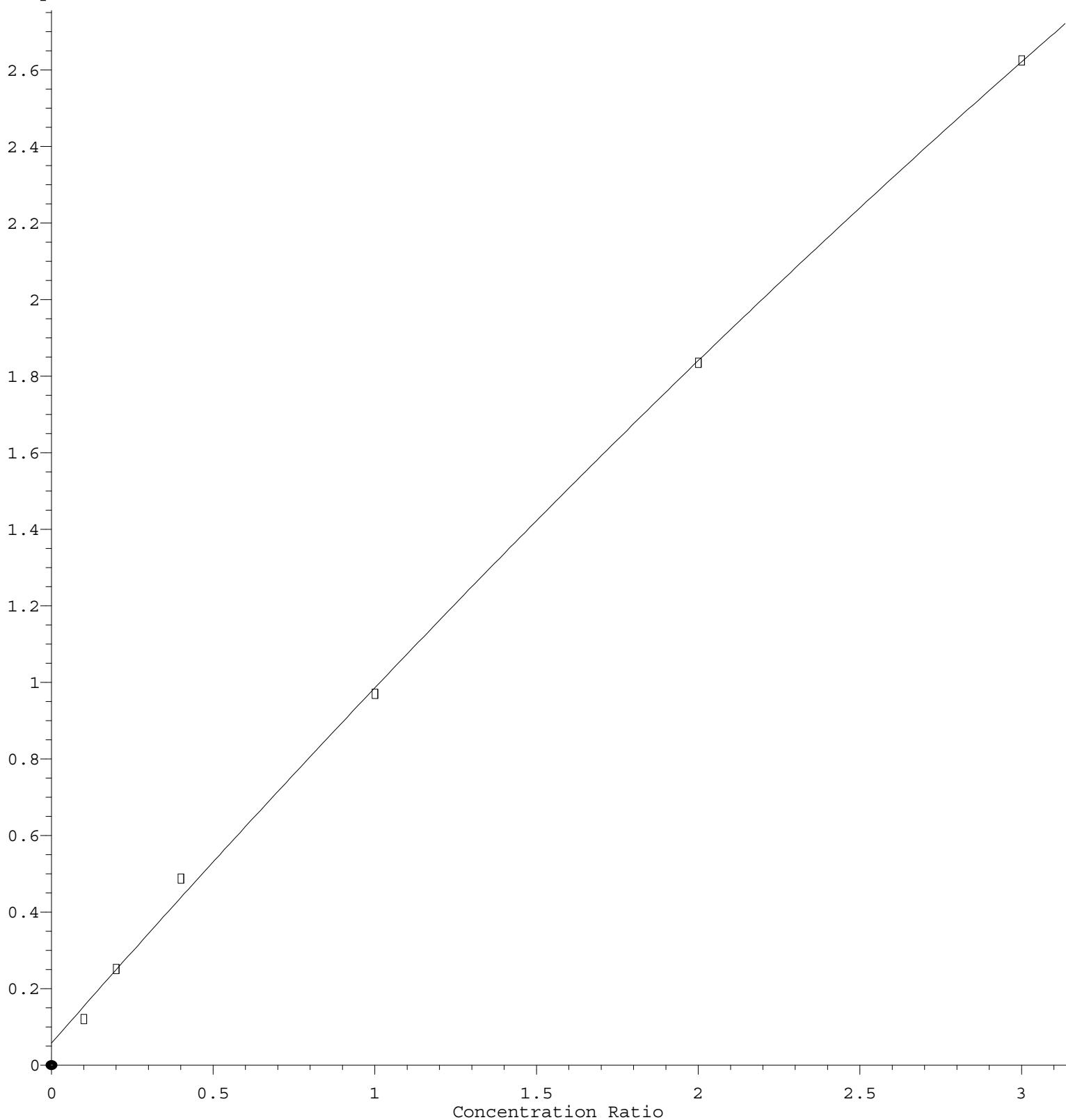
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
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57)	T	1,3-Dichloropr...	0.427	0.460	0.483	0.463	0.464	0.467	0.461	4.01
58)	T	2-Chloroethyl ...	0.091	0.088	0.107	0.162	0.173	0.180	0.133	32.00
59)	T	2-Hexanone	0.087	0.098	0.114	0.115	0.120	0.125	0.110	13.14
60)	T	Dibromochlorom...	0.327	0.328	0.345	0.344	0.332	0.333	0.335	2.35
61)	T	1,2-Dibromoethane	0.265	0.270	0.276	0.272	0.268	0.268	0.270	1.43
62)	S	4-Bromofluorob...	0.334	0.334	0.366	0.359	0.365	0.372	0.355	4.73
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.370	0.330	0.321	0.371	0.378	0.367	0.356	6.79
65)	PM	Chlorobenzene	1.079	1.051	1.074	1.087	1.089	1.068	1.075	1.29
66)	T	1,1,1,2-Tetrac...	0.366	0.378	0.367	0.370	0.380	0.371	0.372	1.47
67)	C	Ethyl Benzene	1.561	1.602	1.599	1.818	1.872	1.853	1.717	8.41#
68)	T	m/p-Xylenes	0.635	0.650	0.685	0.765	0.770	0.758	0.710	8.63
69)	T	o-Xylene	0.579	0.587	0.615	0.700	0.716	0.714	0.652	10.02
70)	T	Styrene	0.931	1.006	1.147	1.223	1.224	1.218	1.125	11.28
71)	P	Bromoform	0.197	0.202	0.222	0.212	0.217	0.214	0.211	4.43
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.769	2.763	2.695	3.334	3.377	3.335	3.045	10.94
74)	T	N-amyl acetate	0.520	0.527	0.569	0.631	0.646	0.677	0.595	11.06
75)	P	1,1,2,2-Tetrac...	0.763	0.682	0.705	0.682	0.665	0.672	0.695	5.17
76)	T	1,2,3-Trichlor...	0.453	0.465	0.466	0.432	0.439	0.444	0.450	3.11
77)	T	Bromobenzene	0.830	0.783	0.803	0.897	0.882	0.858	0.842	5.32
78)	T	n-propylbenzene	3.464	3.504	3.460	4.150	4.144	4.089	3.802	9.42
79)	T	2-Chlorotoluene	1.998	2.004	2.004	2.244	2.242	2.233	2.121	6.14
80)	T	1,3,5-Trimethy...	2.168	2.299	2.363	2.808	2.796	2.776	2.535	11.45
81)	T	trans-1,4-Dich...	0.164	0.192	0.197	0.207	0.209	0.208	0.196	8.71
82)	T	4-Chlorotoluene	2.168	2.200	2.206	2.365	2.360	2.343	2.274	4.02
83)	T	tert-Butylbenzene	1.969	1.912	1.908	2.361	2.395	2.377	2.154	11.45
84)	T	1,2,4-Trimethy...	2.300	2.308	2.437	2.832	2.830	2.817	2.587	10.30
85)	T	sec-Butylbenzene	2.942	3.007	2.896	3.578	3.638	3.577	3.273	10.94
86)	T	p-Isopropyltol...	2.405	2.460	2.467	3.000	3.083	3.008	2.737	11.80
87)	T	1,3-Dichlorobe...	1.645	1.684	1.669	1.778	1.754	1.696	1.704	3.00
88)	T	1,4-Dichlorobe...	1.828	1.734	1.719	1.749	1.708	1.647	1.731	3.42
89)	T	n-Butylbenzene	2.245	2.258	2.172	2.769	2.837	2.802	2.514	12.67
90)	T	Hexachloroethane	0.591	0.554	0.525	0.552	0.556	0.543	0.554	3.94
91)	T	1,2-Dichlorobe...	1.448	1.478	1.495	1.562	1.509	1.505	1.500	2.52
92)	T	1,2-Dibromo-3-...	0.087	0.082	0.094	0.094	0.090	0.092	0.090	5.23
93)	T	1,2,4-Trichlor...	0.775	0.743	0.790	0.901	0.971	0.969	0.858	11.84
94)	T	Hexachlorobuta...	0.403	0.391	0.340	0.422	0.436	0.421	0.402	8.50
95)	T	Naphthalene	1.417	1.449	1.546	1.810	1.974	2.025	1.703	15.74
96)	T	1,2,3-Trichlor...	0.721	0.699	0.728	0.825	0.878	0.877	0.788	10.37

(#) = Out of Range

Chloromethane

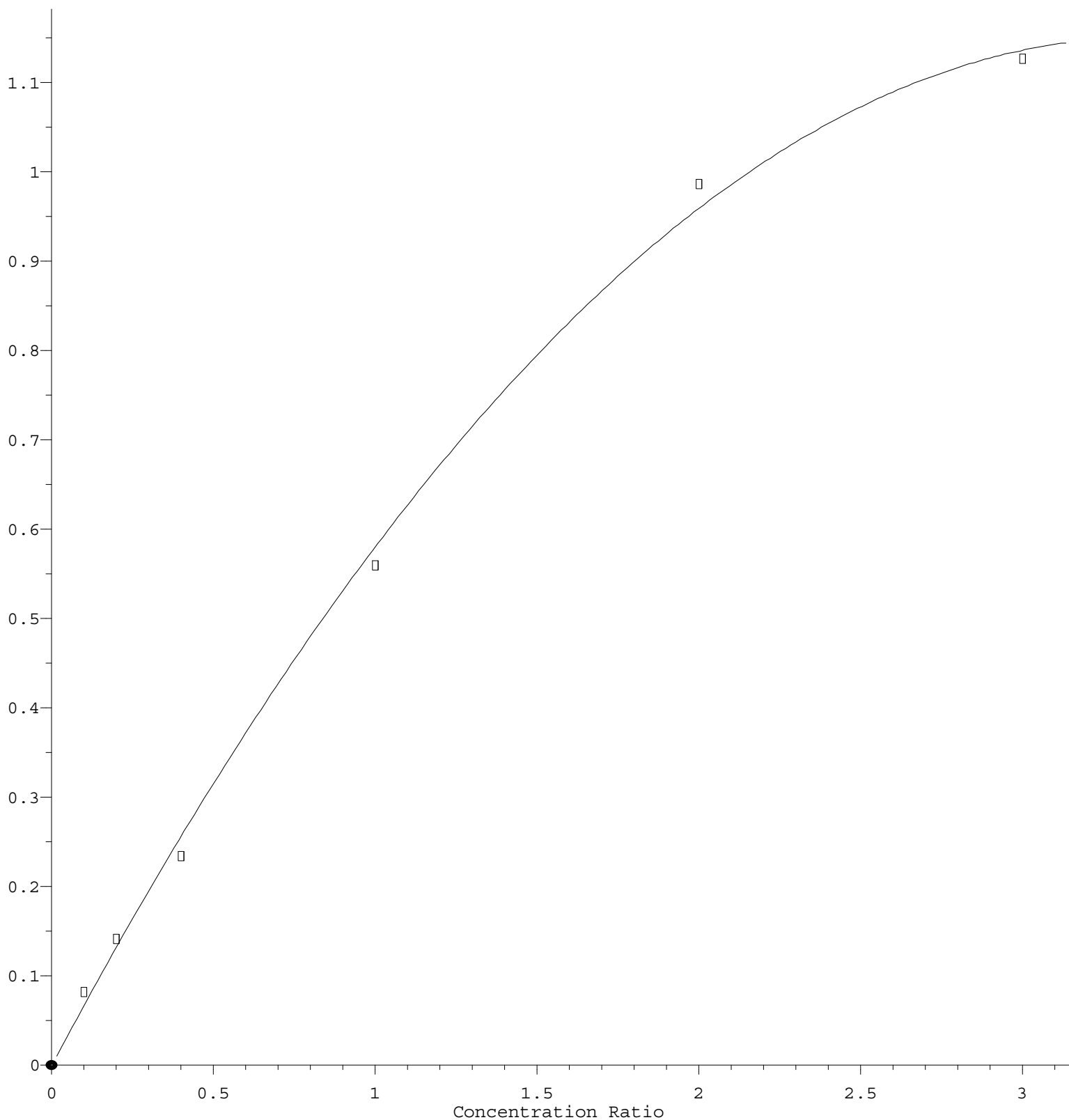
Response Ratio



$R = -3.680e-002 A^2 + 9.650e-001 A + 5.766e-002$
Coef of Det (r^2) = 0.999210 Curve Fit: Quadratic
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Bromomethane

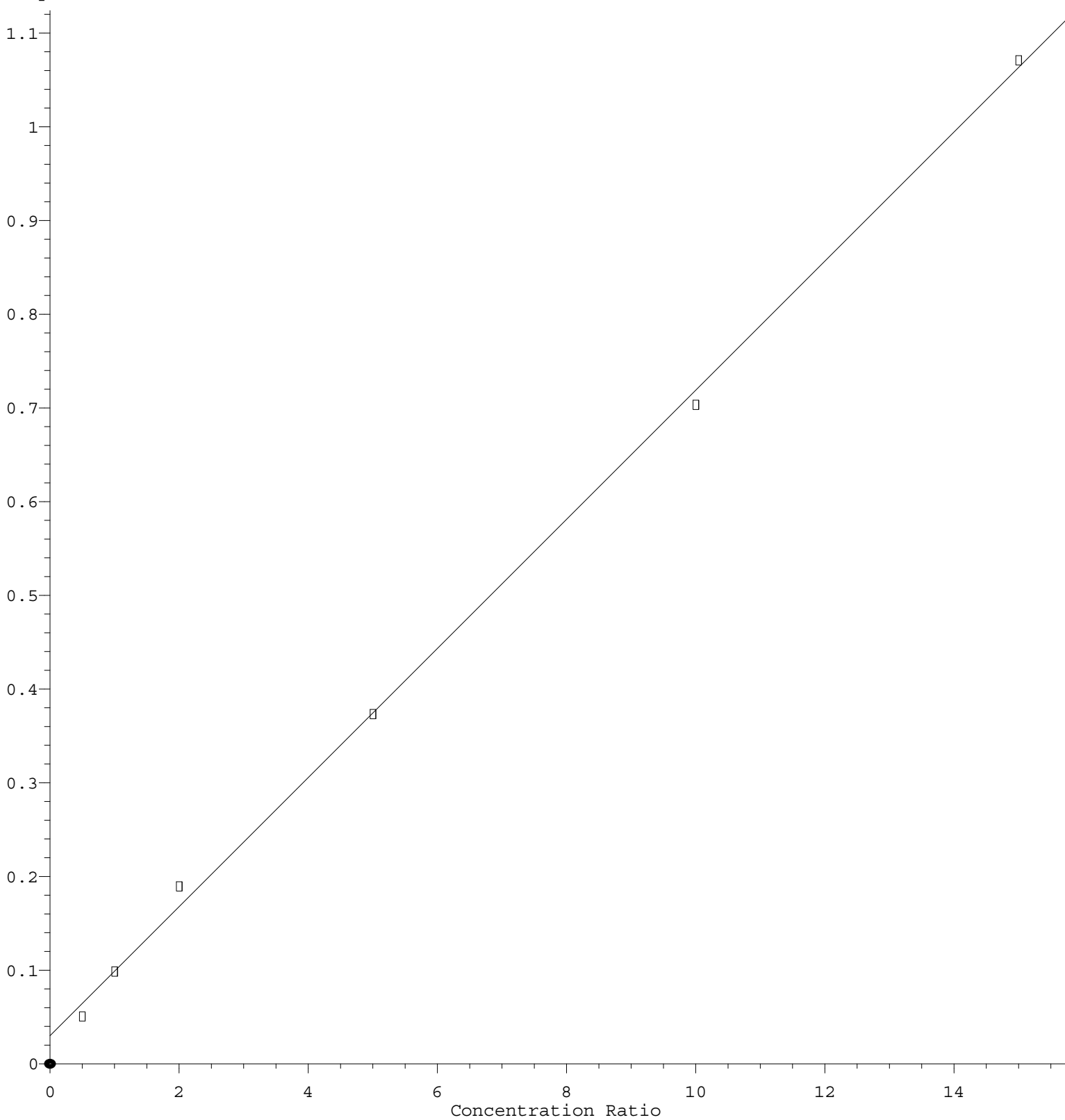
Response Ratio



$R = -1.009e-001 A^2 + 6.817e-001 A - 6.659e-004$
 Coef of Det (r^2) = 0.997935 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D060123S.M
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Acetone

Response Ratio



$$\text{Response} = 6.888\text{e-}002 * \text{Amt} + 2.972\text{e-}002$$

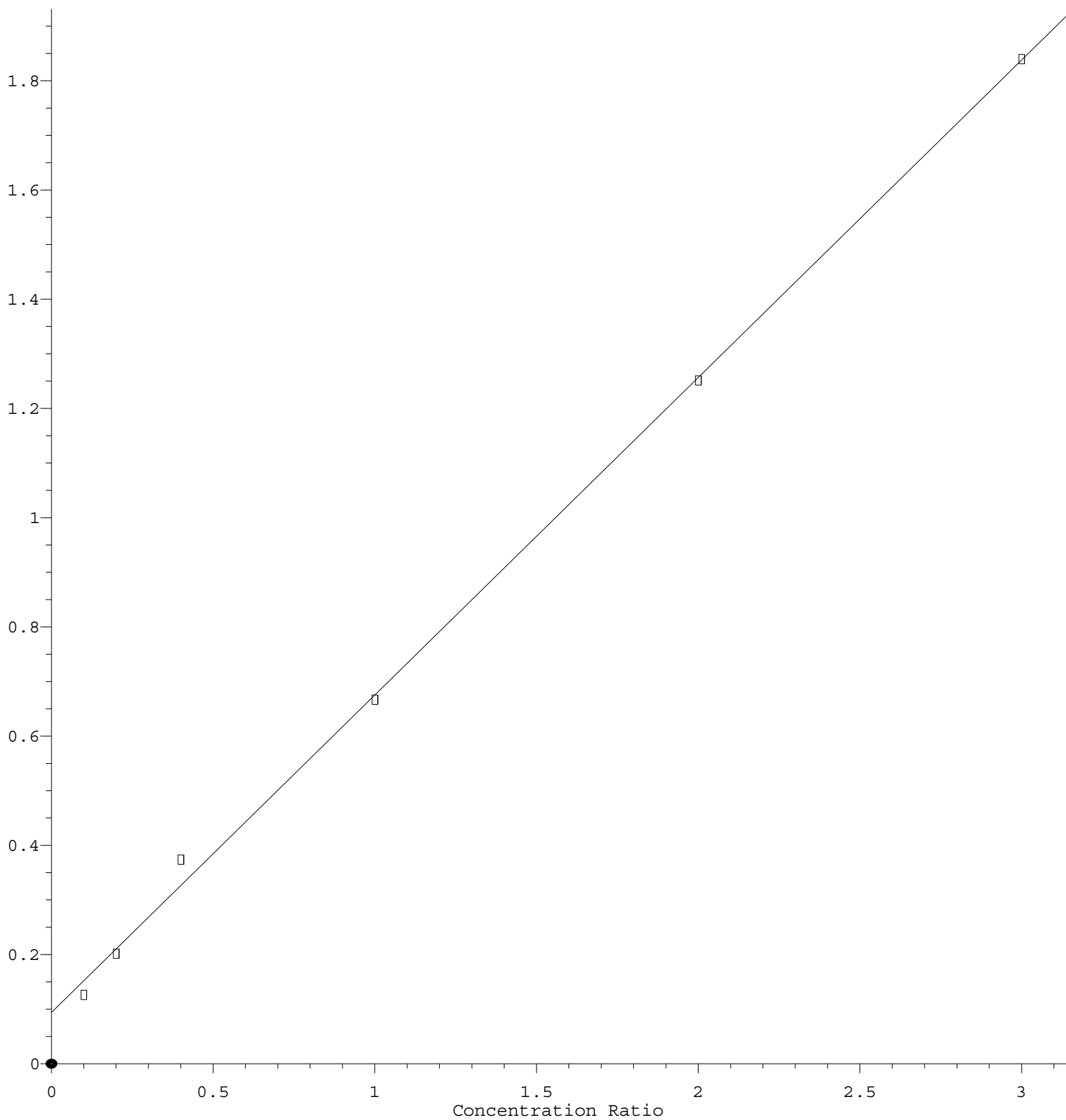
Coef of Det (r^2) = 0.998795 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 5.813\text{e-}001 * \text{Amt} + 9.405\text{e-}002$$

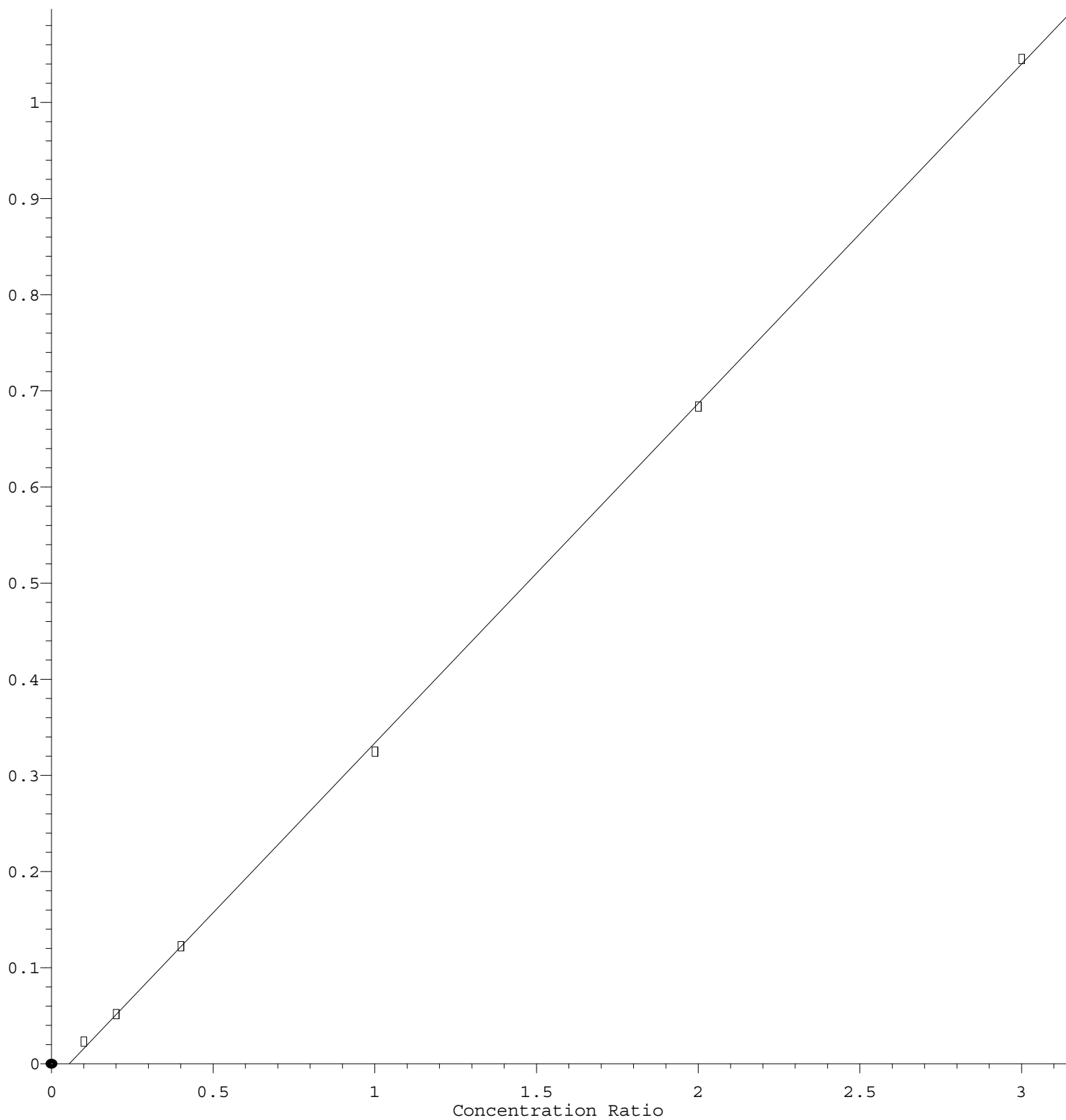
Coef of Det (r^2) = 0.998641 Curve Fit: Linear

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Ethyl methacrylate

Response Ratio



$$\text{Response} = 3.531\text{e-}001 * \text{Amt} - 1.928\text{e-}002$$

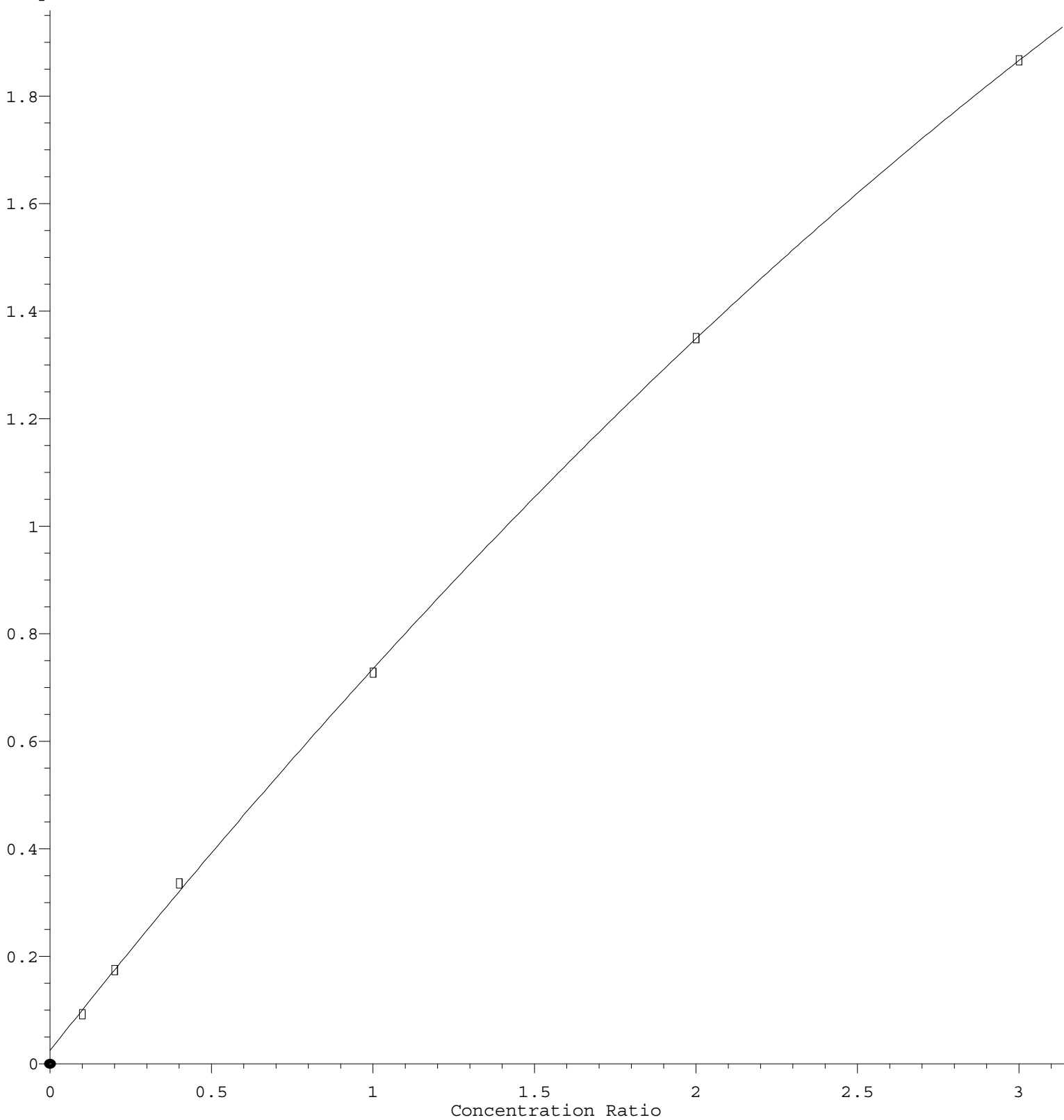
Coef of Det (r^2) = 0.999798 Curve Fit: Linear

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Chloroethane

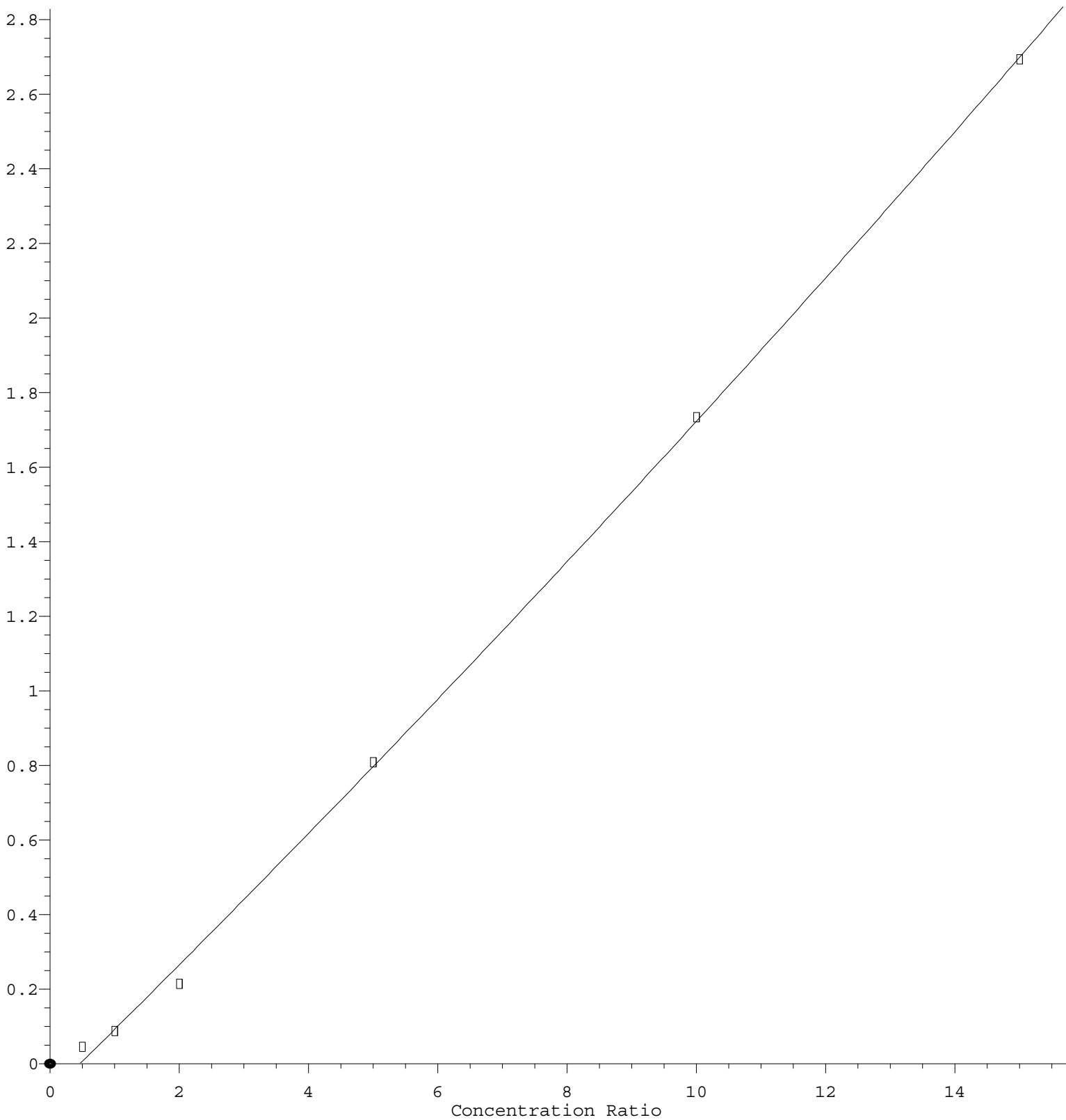
Response Ratio



$R = -4.809e-002 A^2 + 7.580e-001 A + 2.511e-002$
 Coef of Det (r^2) = 0.999862 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D060123S.M
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2-Chloroethyl Vinyl ether

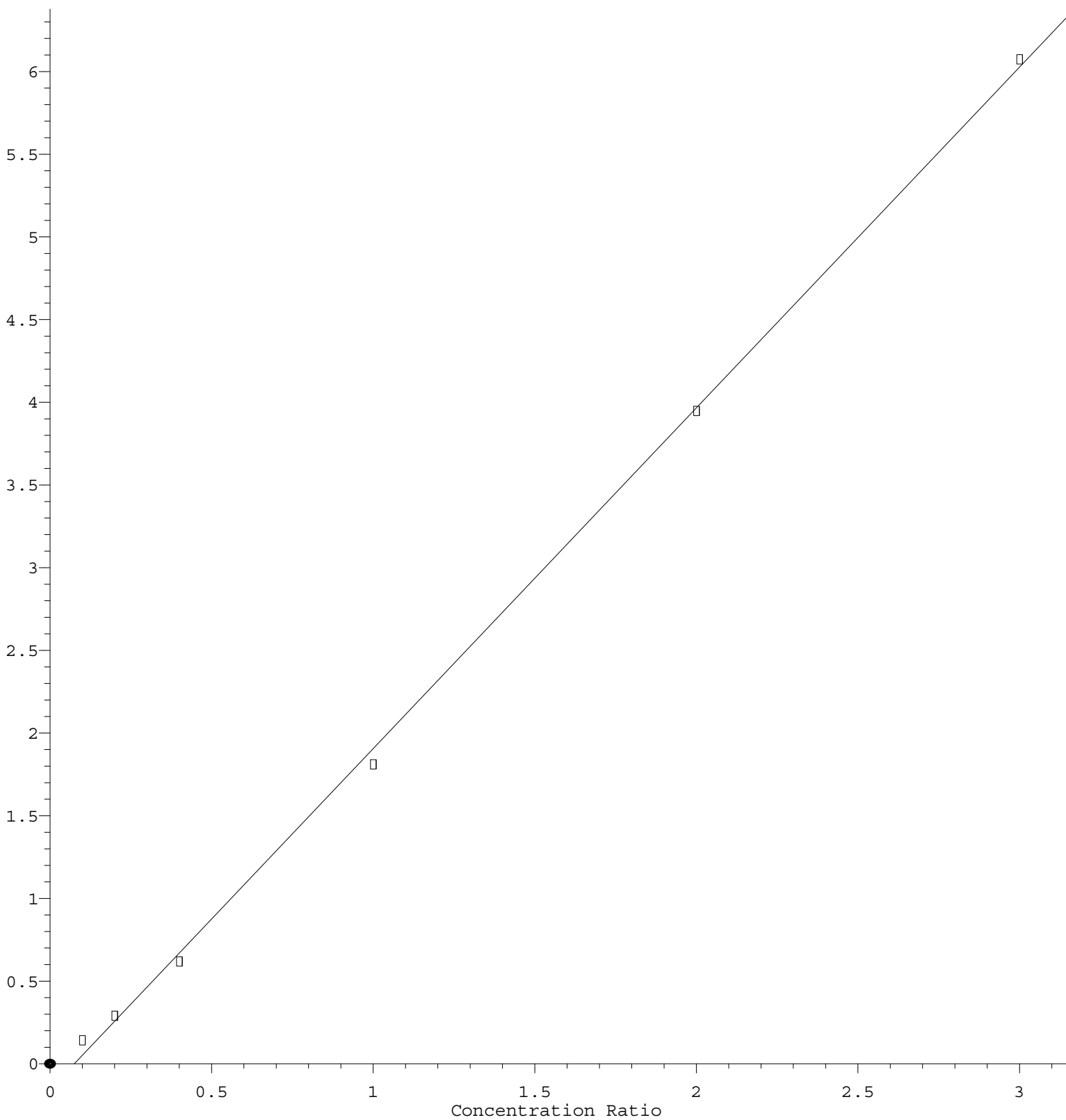
Response Ratio



$R = 1.002e-003 A^2 + 1.701e-001 A - 7.869e-002$
 Coef of Det (r^2) = 0.999234 Curve Fit: Quadratic
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Naphthalene

Response Ratio



$$\text{Response} = 2.060\text{e}+000 * \text{Amt} - 1.537\text{e}-001$$

Coef of Det (r^2) = 0.999179 Curve Fit: Linear

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