

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
 Method File : 82U111025W.M
 Title : SW846 8260
 Last Update : Tue Nov 11 01:41:19 2025
 Response Via : Initial Calibration

Calibration Files

1 =VU063689.D 5 =VU063690.D 20 =VU063691.D 50 =VU063692.D 100 =VU063693.D 150 =VU063694.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.379	0.342	0.271	0.271	0.269	0.279	0.302	15.49
3) P	Chloromethane	0.557	0.371	0.307	0.290	0.285	0.297	0.351	30.02
4) C	Vinyl Chloride	0.439	0.430	0.339	0.338	0.339	0.344	0.371	13.19#
5) T	Bromomethane		0.387	0.261	0.225	0.216	0.216	0.261	27.88
6) T	Chloroethane	0.335	0.326	0.264	0.251	0.250	0.259	0.281	13.83
7) T	Trichlorofluor...	0.903	0.724	0.662	0.654	0.646	0.674	0.711	13.85
8) T	Diethyl Ether	0.375	0.315	0.278	0.278	0.281	0.285	0.302	12.74
9) T	1,1,2-Trichlor...	0.507	0.492	0.434	0.427	0.419	0.430	0.452	8.37
10) T	Methyl Iodide		0.297	0.409	0.503	0.524	0.518	0.450	21.67
11) T	Tert butyl alc...		0.228	0.160	0.155	0.154	0.165	0.172	18.36
12) CM	1,1-Dichloroet...	0.482	0.416	0.359	0.354	0.355	0.366	0.389	13.18#
13) T	Acrolein		0.026	0.010	0.012	0.010	0.011	0.014	50.68
14) T	Allyl chloride	0.788	0.769	0.717	0.679	0.688	0.709	0.725	6.08
15) T	Acrylonitrile	0.337	0.354	0.350	0.351	0.354	0.371	0.353	3.04
16) T	Acetone	0.724	0.562	0.409	0.401	0.400	0.402	0.483	27.79
17) T	Carbon Disulfide	0.800	0.677	0.498	0.471	0.486	0.501	0.572	23.56
18) T	Methyl Acetate	0.937	0.747	1.291	1.278	1.282	1.342	1.146	21.30
19) T	Methyl tert-bu...	1.904	1.781	1.683	1.685	1.685	1.787	1.754	5.02
20) T	Methylene Chlo...	0.808	0.597	0.485	0.470	0.466	0.477	0.551	24.61
21) T	trans-1,2-Dich...	0.446	0.461	0.373	0.365	0.373	0.377	0.399	10.71
22) T	Diisopropyl ether	1.869	1.712	1.514	1.506	1.463	1.519	1.597	9.95
23) T	Vinyl Acetate	1.073	1.173	0.990	1.044	1.095	1.159	1.089	6.37
24) P	1,1-Dichloroet...	1.038	0.963	0.903	0.869	0.861	0.891	0.921	7.35
25) T	2-Butanone	0.510	0.552	0.461	0.490	0.508	0.531	0.509	6.18
26) T	2,2-Dichloropr...	0.923	0.763	0.747	0.758	0.761	0.795	0.791	8.42
27) T	cis-1,2-Dichlo...	0.668	0.619	0.554	0.549	0.544	0.565	0.583	8.50
28) T	Bromochloromet...	0.268	0.301	0.415	0.396	0.411	0.421	0.369	18.09
29) T	Tetrahydrofuran	0.302	0.308	0.282	0.288	0.291	0.304	0.296	3.44
30) C	Chloroform	1.102	1.062	0.980	0.958	0.965	0.989	1.009	5.81#
31) T	Cyclohexane		0.903	0.629	0.571	0.569	0.579	0.650	22.08
32) T	1,1,1-Trichlor...	0.881	0.857	0.803	0.801	0.800	0.826	0.828	4.10
33) S	1,2-Dichloroet...		0.801	0.764	0.710	0.701	0.717	0.739	5.75
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.358	0.357	0.352	0.341	0.344	0.350	2.25
36) T	1,1-Dichloropr...	0.428	0.376	0.333	0.342	0.333	0.326	0.356	11.00
37) T	Ethyl Acetate	0.362	0.604	0.536	0.483	0.526	0.517	0.505	15.91
38) T	Carbon Tetrach...	0.450	0.372	0.351	0.379	0.370	0.389	0.385	8.92
39) T	Methylcyclohexane	0.459	0.430	0.386	0.391	0.372	0.390	0.405	8.17
40) TM	Benzene	1.339	1.175	1.113	1.121	1.070	1.083	1.150	8.65
41) T	Methacrylonitrile	0.251	0.255	0.242	0.270	0.274	0.280	0.262	5.63
42) TM	1,2-Dichloroet...	0.463	0.471	0.450	0.454	0.439	0.445	0.454	2.58
43) T	Isopropyl Acetate	0.767	0.713	0.697	0.753	0.730	0.778	0.740	4.29
44) TM	Trichloroethene	0.426	0.333	0.292	0.306	0.289	0.290	0.323	16.53
45) C	1,2-Dichloropr...	0.331	0.325	0.298	0.316	0.297	0.308	0.313	4.50#
46) T	Dibromomethane	0.251	0.235	0.223	0.239	0.227	0.233	0.235	4.25
47) T	Bromodichlorom...	0.525	0.446	0.453	0.478	0.470	0.485	0.476	5.89
48) T	Methyl methacr...	0.390	0.343	0.334	0.368	0.364	0.380	0.363	5.88
49) T	1,4-Dioxane	0.009	0.011	0.010	0.009	0.009	0.010	0.010	8.35
50) S	Toluene-d8		1.372	1.270	1.250	1.188	1.211	1.258	5.65
51) T	4-Methyl-2-Pen...	0.582	0.556	0.537	0.577	0.559	0.587	0.566	3.39
52) CM	Toluene	0.801	0.784	0.716	0.743	0.709	0.724	0.746	5.09#
53) T	t-1,3-Dichloro...	0.406	0.387	0.362	0.395	0.407	0.447	0.401	7.01
54) T	cis-1,3-Dichlo...	0.460	0.438	0.400	0.455	0.454	0.489	0.449	6.54
55) T	1,1,2-Trichlor...	0.390	0.328	0.324	0.345	0.332	0.336	0.343	7.12
56) T	Ethyl methacry...	0.488	0.457	0.466	0.524	0.532	0.567	0.505	8.44

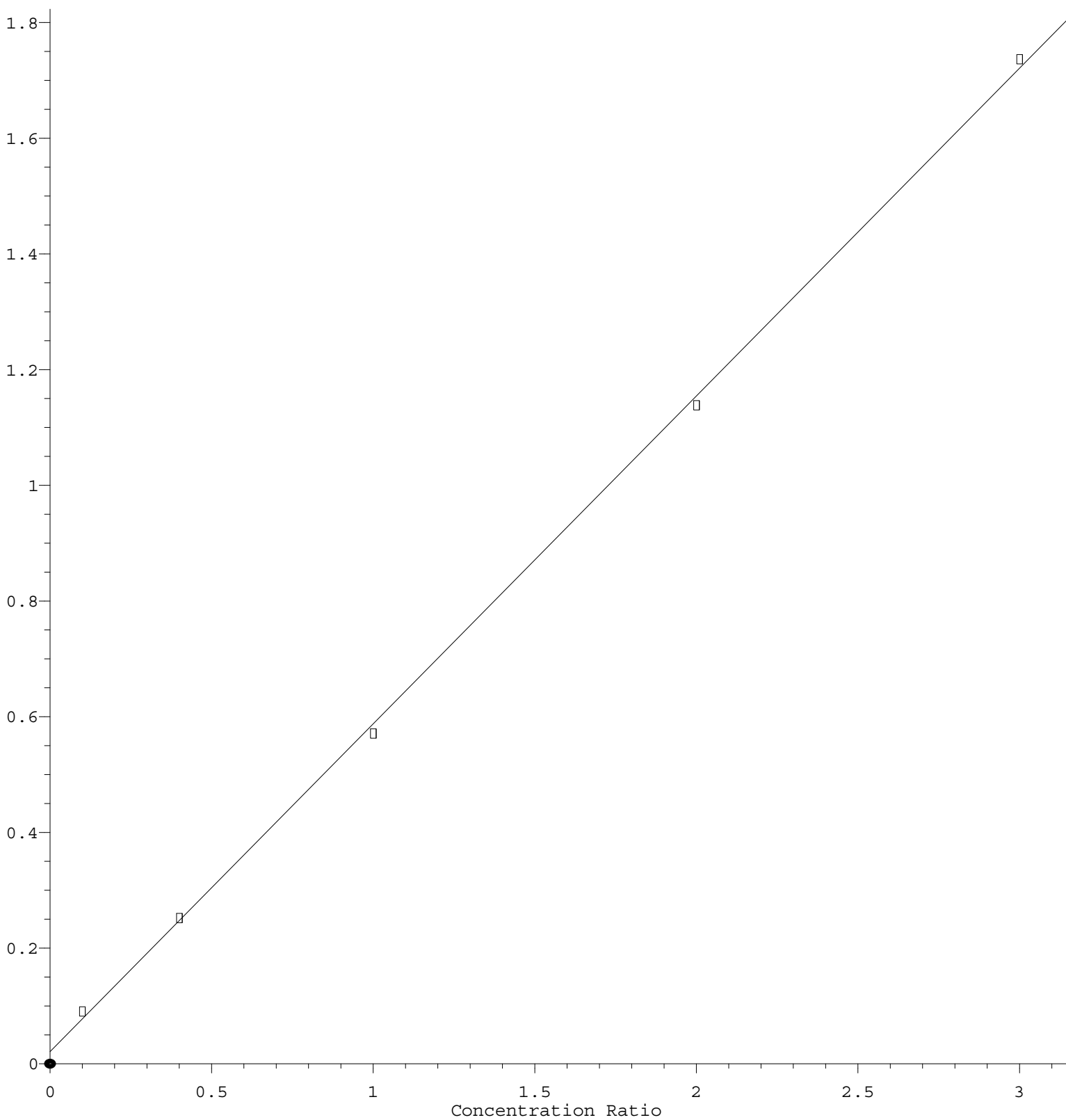
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57)	T	1,3-Dichloropr...	0.610	0.555	0.532	0.556	0.541	0.559	0.559	4.84
58)	T	2-Chloroethyl ...			0.004	0.005	0.007	0.009	0.006	34.04
59)	T	2-Hexanone	0.399	0.408	0.394	0.435	0.435	0.458	0.422	5.94
60)	T	Dibromochlorom...	0.357	0.332	0.333	0.362	0.371	0.397	0.359	6.80
61)	T	1,2-Dibromoethane	0.338	0.328	0.321	0.337	0.324	0.333	0.330	2.10
62)	S	4-Bromofluorob...		0.530	0.519	0.516	0.510	0.527	0.520	1.57
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.377	0.332	0.310	0.321	0.303	0.293	0.323	9.25
65)	PM	Chlorobenzene	1.149	1.000	0.919	0.950	0.911	0.934	0.977	9.21
66)	T	1,1,1,2-Tetrac...	0.357	0.333	0.318	0.333	0.319	0.335	0.332	4.33
67)	C	Ethyl Benzene	1.827	1.636	1.555	1.601	1.553	1.592	1.627	6.32#
68)	T	m/p-Xylenes	0.641	0.590	0.578	0.604	0.587	0.604	0.601	3.66
69)	T	o-Xylene	0.690	0.612	0.592	0.616	0.597	0.613	0.620	5.72
70)	T	Styrene	0.965	0.943	0.956	1.029	1.020	1.061	0.996	4.75
71)	P	Bromoform	0.264	0.231	0.248	0.270	0.281	0.311	0.268	10.32
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.644	3.316	3.011	3.017	2.899	2.960	3.141	9.09
74)	T	N-amyl acetate	1.044	1.067	0.976	1.107	1.144	1.229	1.094	7.96
75)	P	1,1,2,2-Tetrac...	1.470	1.266	1.117	1.143	1.109	1.132	1.206	11.73
76)	T	1,2,3-Trichlor...	1.560	1.279	1.147	1.203	1.154	1.217	1.260	12.26
77)	T	Bromobenzene	0.947	0.838	0.755	0.744	0.720	0.738	0.790	11.03
78)	T	n-propylbenzene	4.191	3.534	3.460	3.548	3.409	3.479	3.604	8.11
79)	T	2-Chlorotoluene	2.944	2.423	2.179	2.192	2.093	2.145	2.329	13.81
80)	T	1,3,5-Trimethy...	2.901	2.687	2.527	2.594	2.513	2.581	2.634	5.49
81)	T	trans-1,4-Dich...		0.216	0.205	0.244	0.251	0.266	0.237	10.68
82)	T	4-Chlorotoluene	3.230	2.678	2.479	2.521	2.449	2.524	2.647	11.19
83)	T	tert-Butylbenzene	3.200	2.805	2.627	2.643	2.550	2.636	2.744	8.71
84)	T	1,2,4-Trimethy...	2.864	2.566	2.437	2.549	2.504	2.588	2.585	5.69
85)	T	sec-Butylbenzene	3.831	3.553	3.364	3.400	3.277	3.369	3.466	5.78
86)	T	p-Isopropyltol...	2.831	2.778	2.660	2.810	2.767	2.848	2.782	2.42
87)	T	1,3-Dichlorobe...	1.629	1.535	1.428	1.458	1.405	1.455	1.485	5.59
88)	T	1,4-Dichlorobe...	1.943	1.606	1.429	1.471	1.419	1.453	1.554	13.02
89)	T	n-Butylbenzene	2.887	2.477	2.309	2.490	2.522	2.645	2.555	7.64
90)	T	Hexachloroethane	0.412	0.429	0.385	0.417	0.430	0.474	0.424	6.93
91)	T	1,2-Dichlorobe...	1.673	1.499	1.418	1.453	1.403	1.449	1.483	6.69
92)	T	1,2-Dibromo-3-...	0.236	0.222	0.225	0.254	0.261	0.285	0.247	9.74
93)	T	1,2,4-Trichlor...	1.184	0.813	0.806	0.934	0.942	0.991	0.945	14.66
94)	T	Hexachlorobuta...	0.564	0.452	0.461	0.463	0.453	0.464	0.476	9.08
95)	T	Naphthalene	2.594	2.011	2.162	2.801	2.784	3.010	2.560	15.34
96)	T	1,2,3-Trichlor...	0.994	0.758	0.777	0.896	0.900	0.948	0.879	10.65

(#) = Out of Range

Cyclohexane

Response Ratio



$$\text{Response} = 5.669\text{e-}001 * \text{Amt} + 2.062\text{e-}002$$

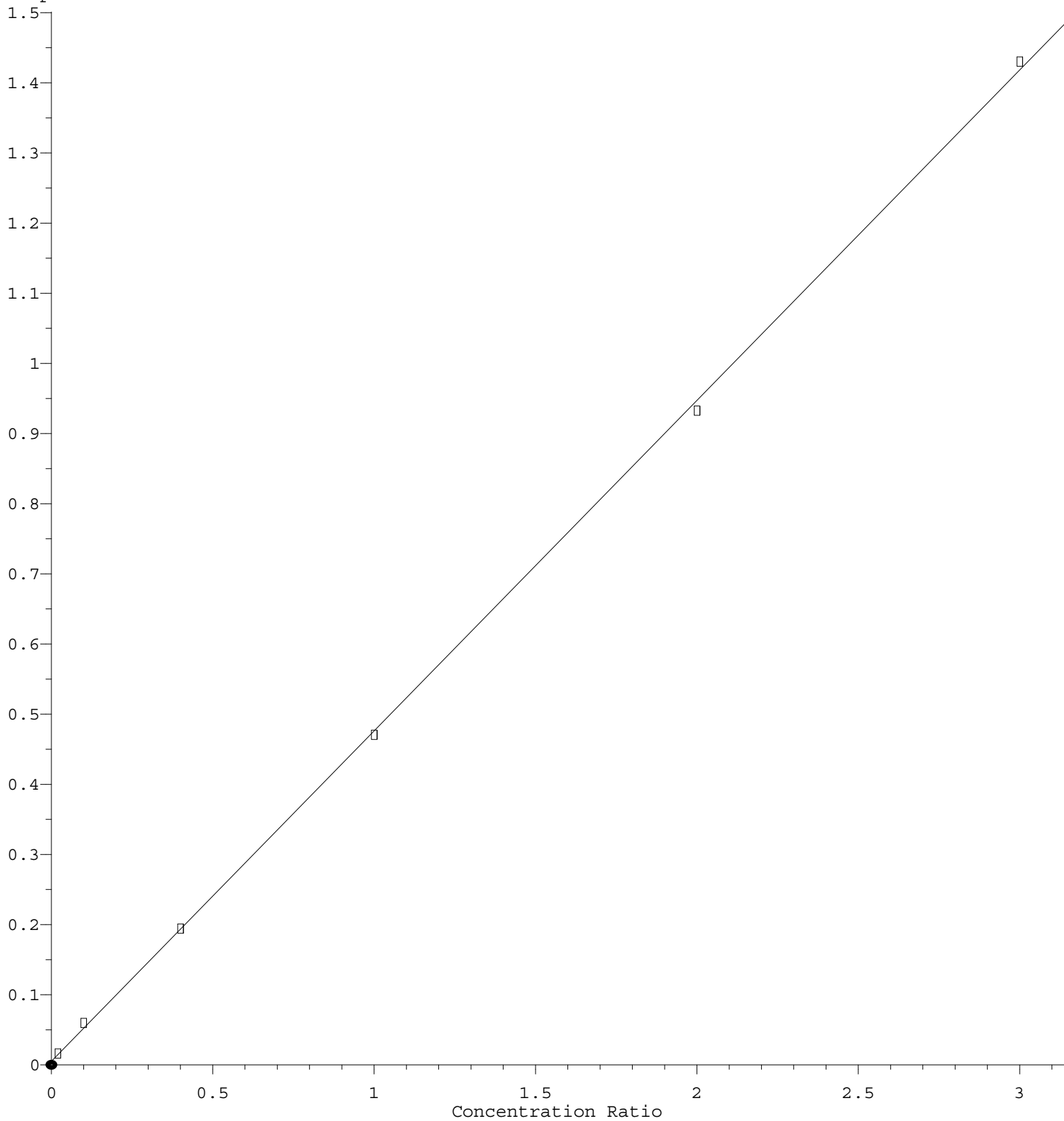
Coef of Det (r^2) = 0.999482 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 4.711\text{e-}001 * \text{Amt} + 5.279\text{e-}003$$

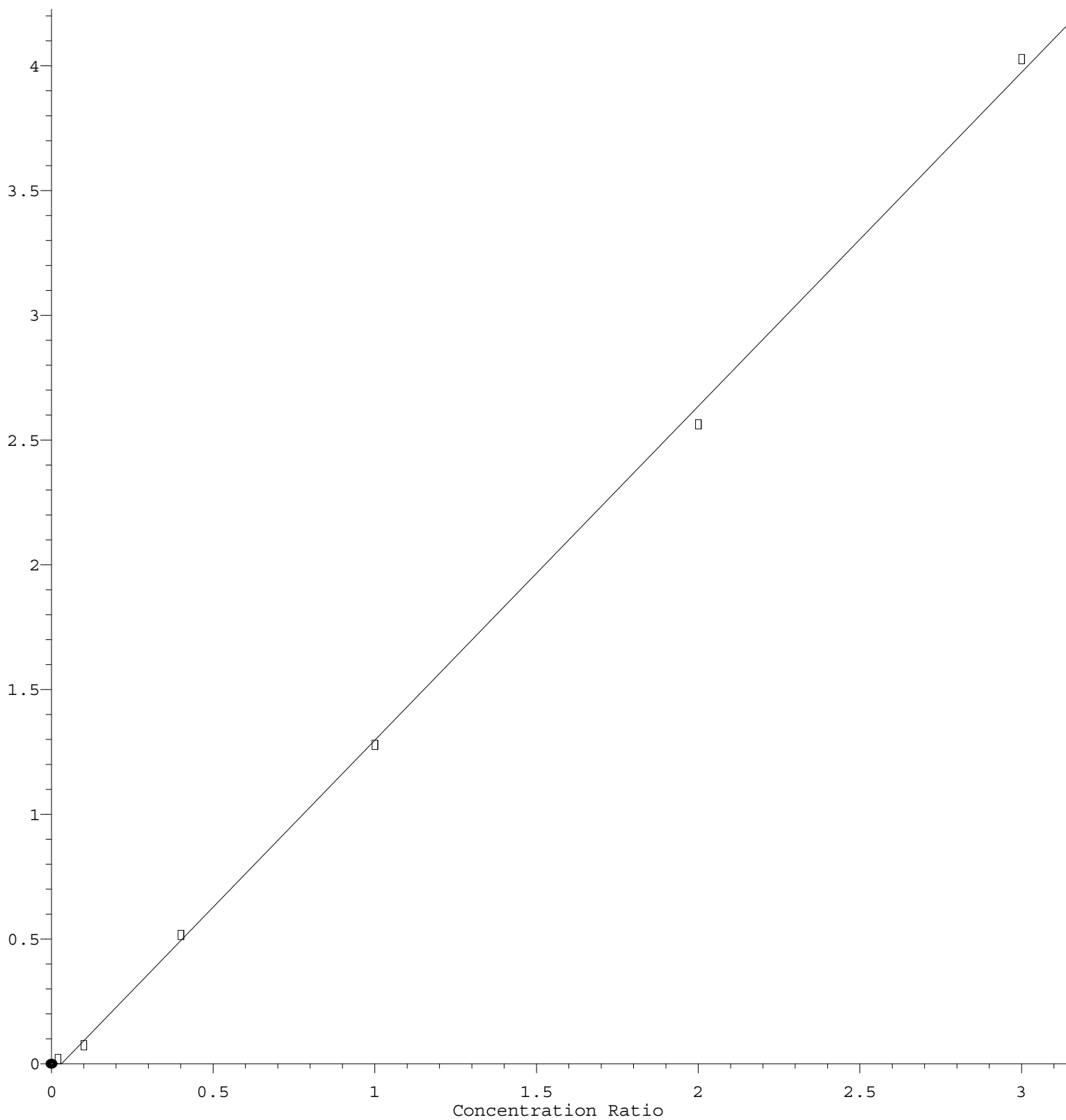
Coef of Det (r^2) = 0.999716 Curve Fit: Linear

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Methyl Acetate

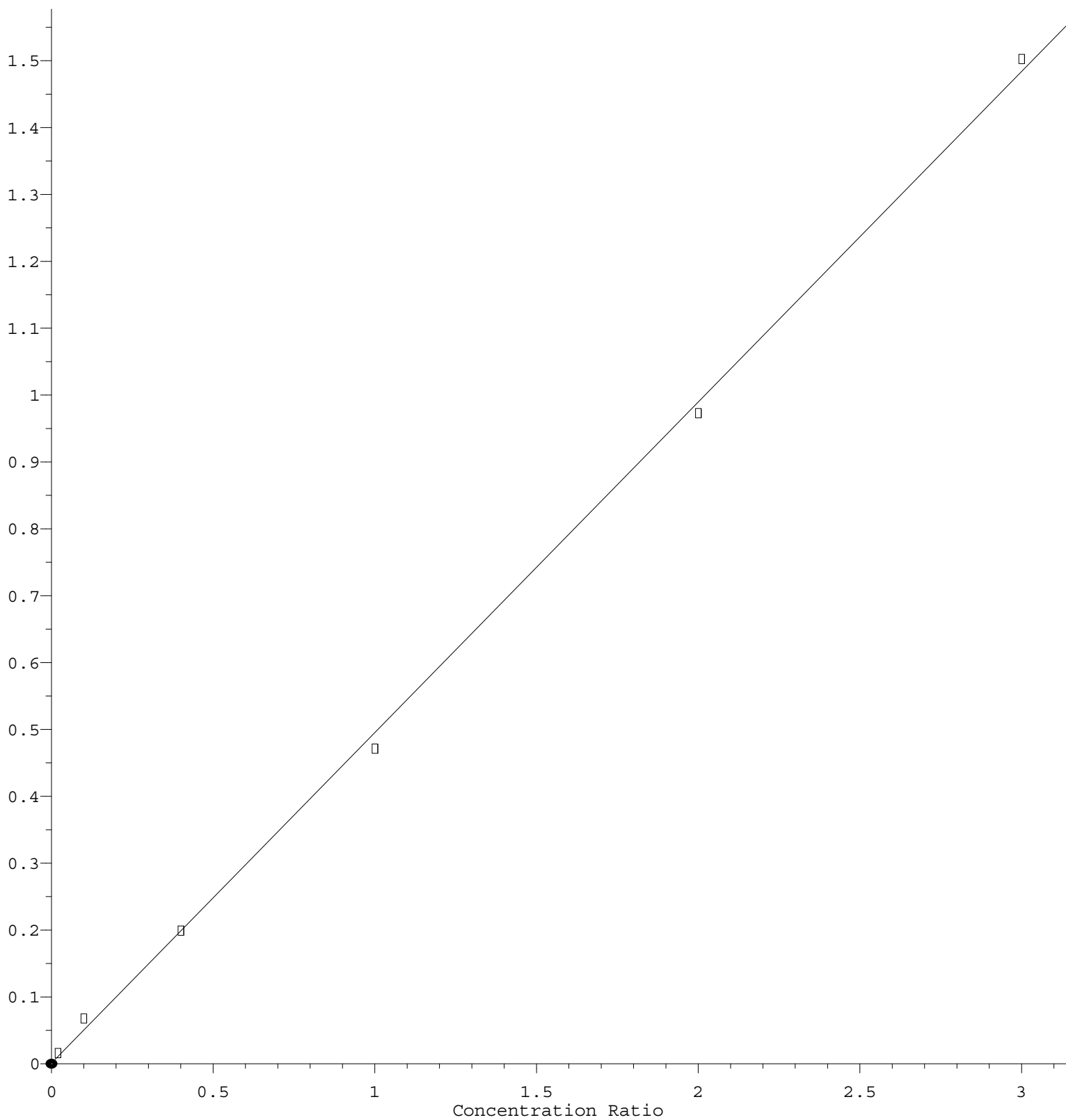
Response Ratio



Response = 1.339e+000 * Amt - 4.191e-002
Coef of Det (r^2) = 0.999192 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U111025W.M
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Carbon Disulfide

Response Ratio



$$\text{Response} = 4.942 \times 10^{-1} \times \text{Amt} + 1.124 \times 10^{-3}$$

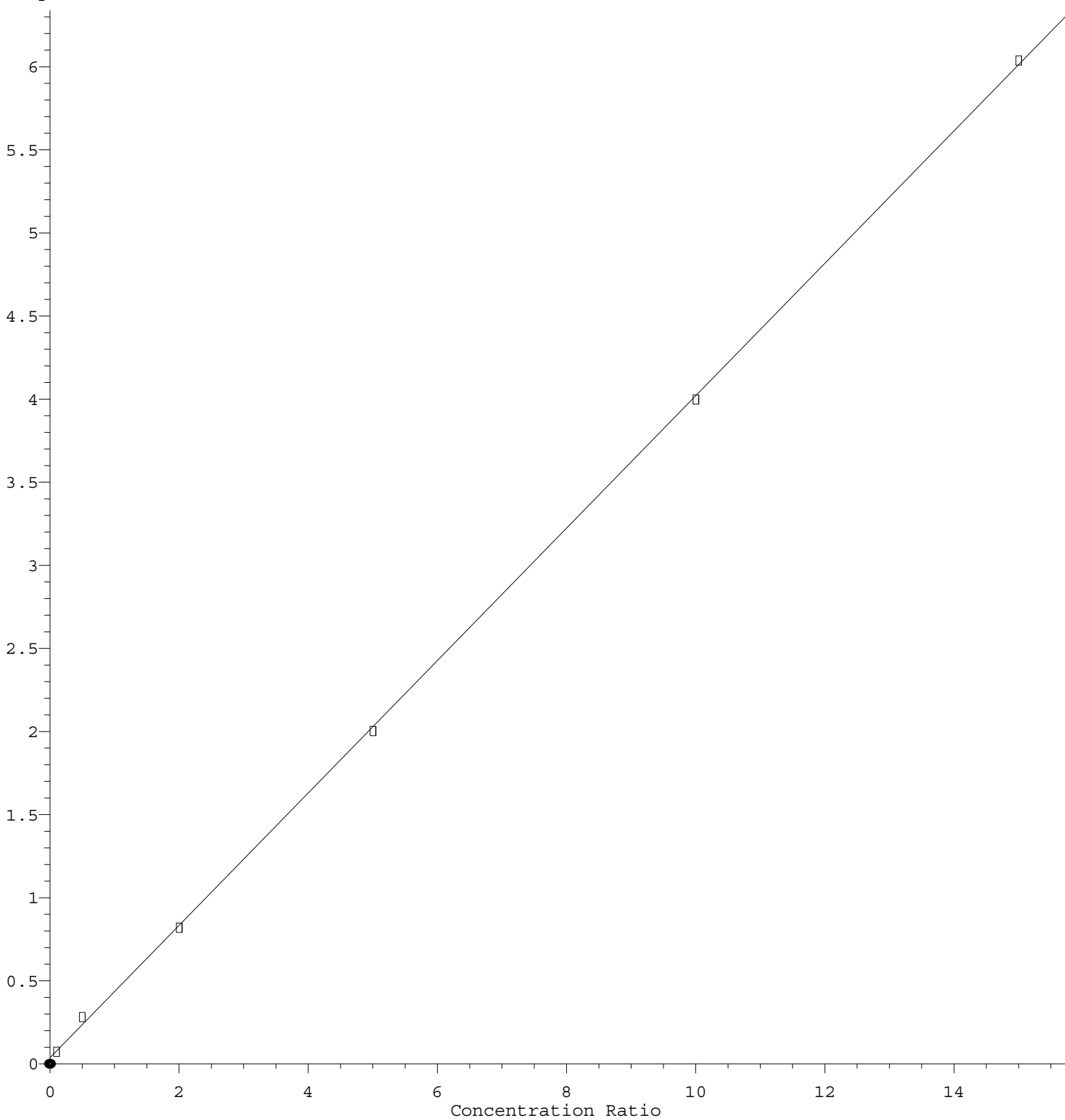
Coef of Det (r^2) = 0.999121 Curve Fit: Linear

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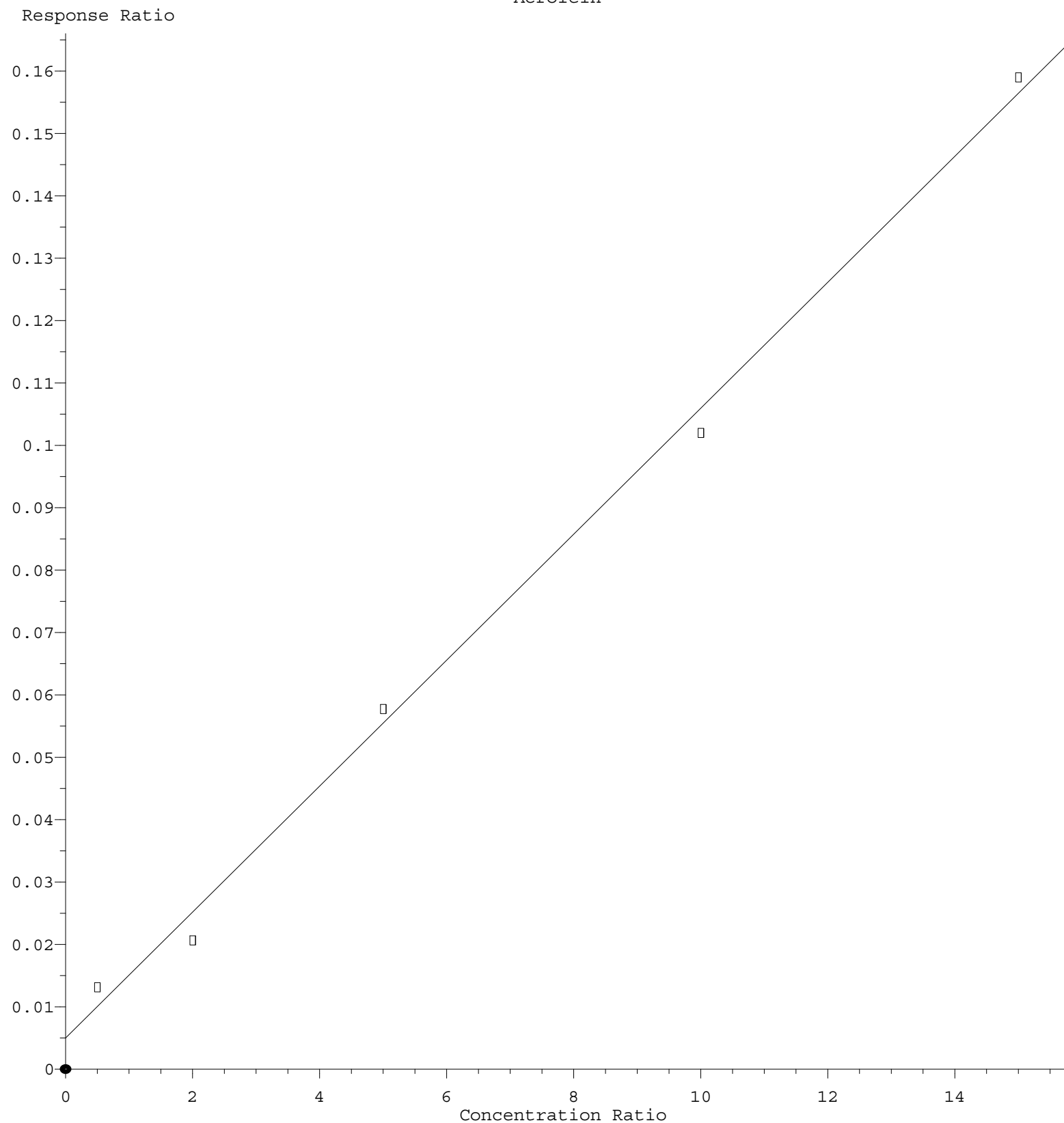
Acetone

Response Ratio



Response = 3.983e-001 * Amt + 3.732e-002
Coef of Det (r^2) = 0.999854 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U111025W.M
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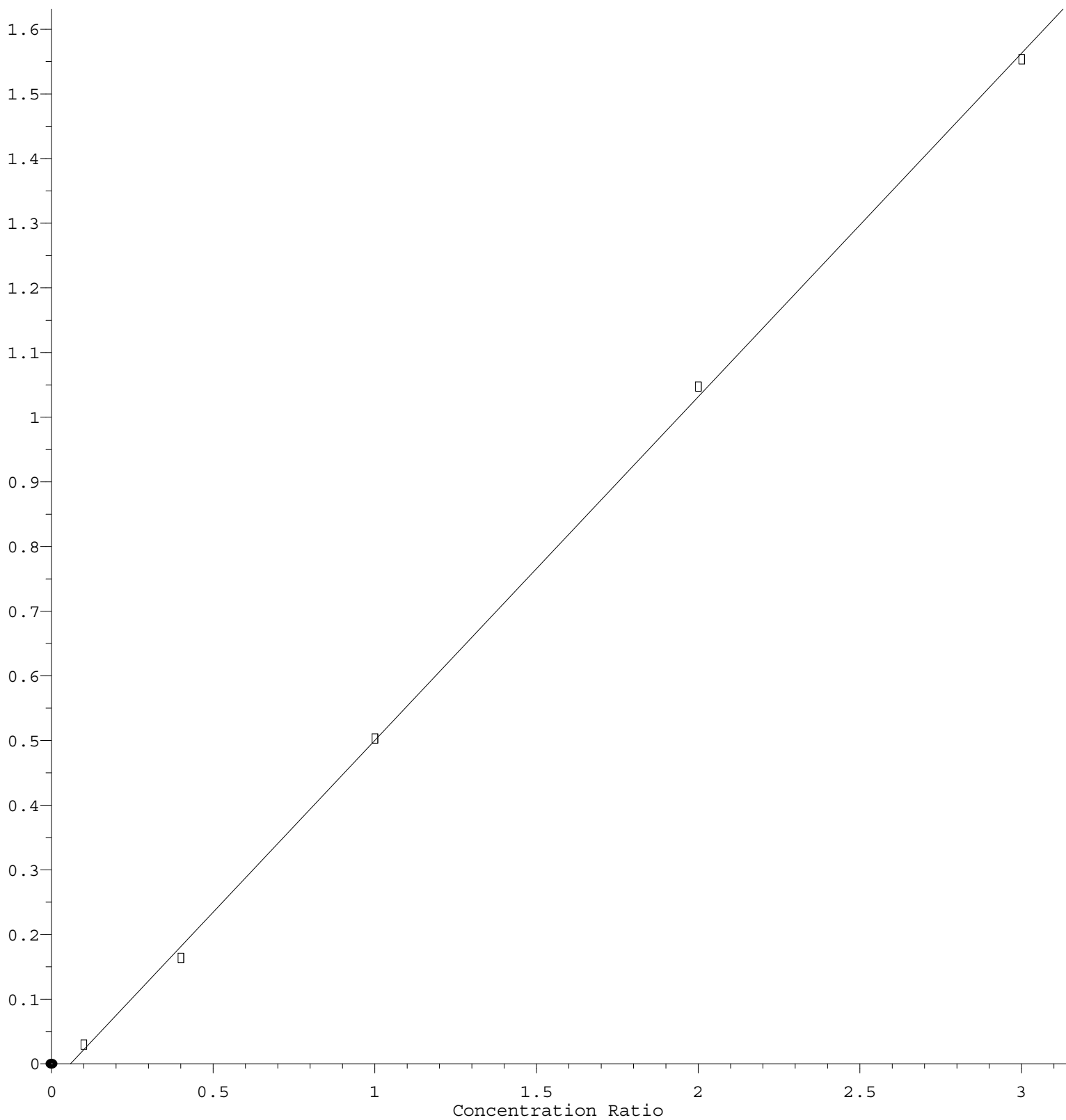
Acrolein



$\text{Response} = 1.014\text{e-}002 * \text{Amt} + 4.573\text{e-}003$
 Coef of Det (r^2) = 0.996132 Curve Fit: Linear
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Methyl Iodide

Response Ratio



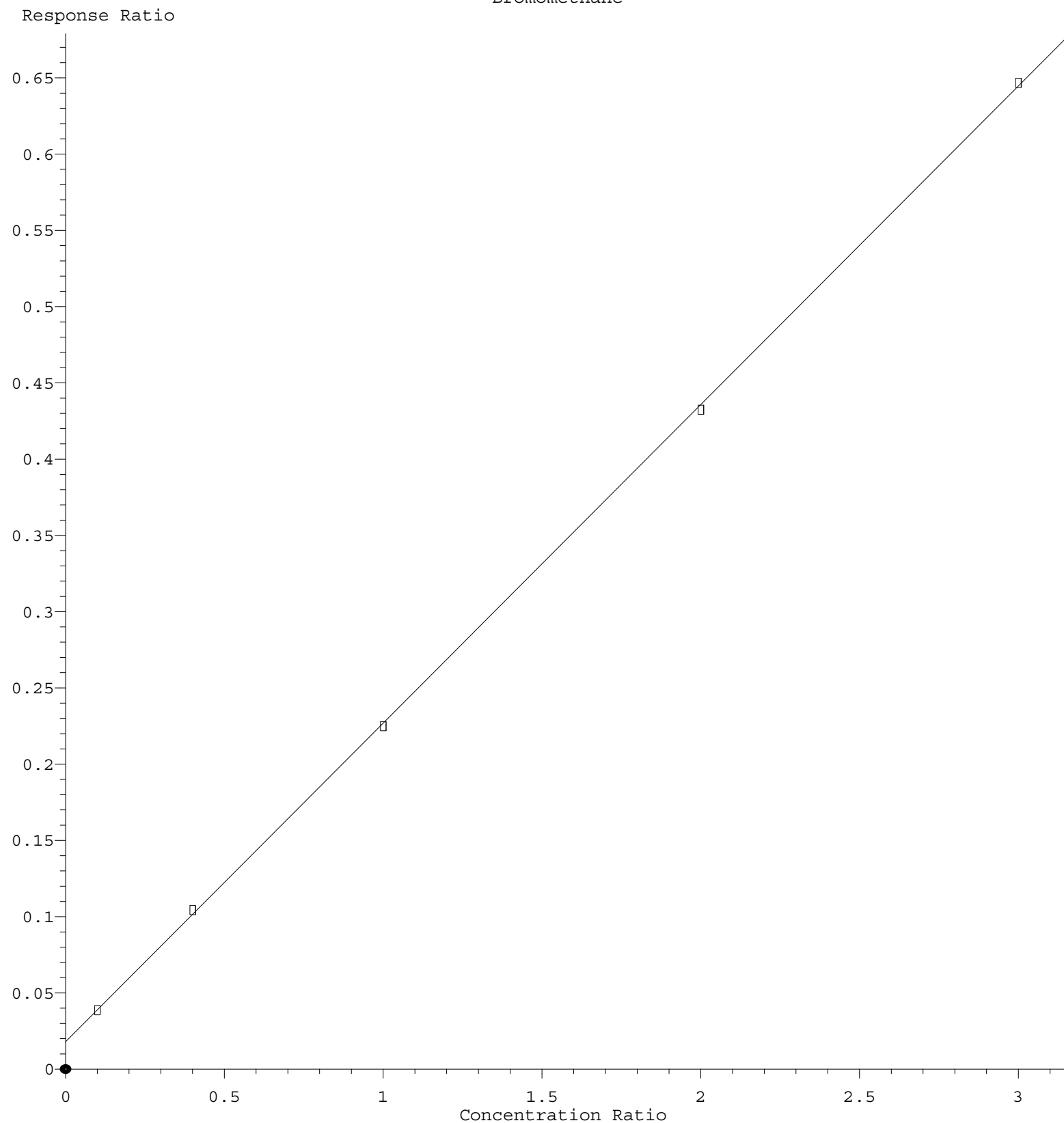
$$\text{Response} = 5.315\text{e-}001 * \text{Amt} - 3.154\text{e-}002$$

Coef of Det (r^2) = 0.999556 Curve Fit: Linear

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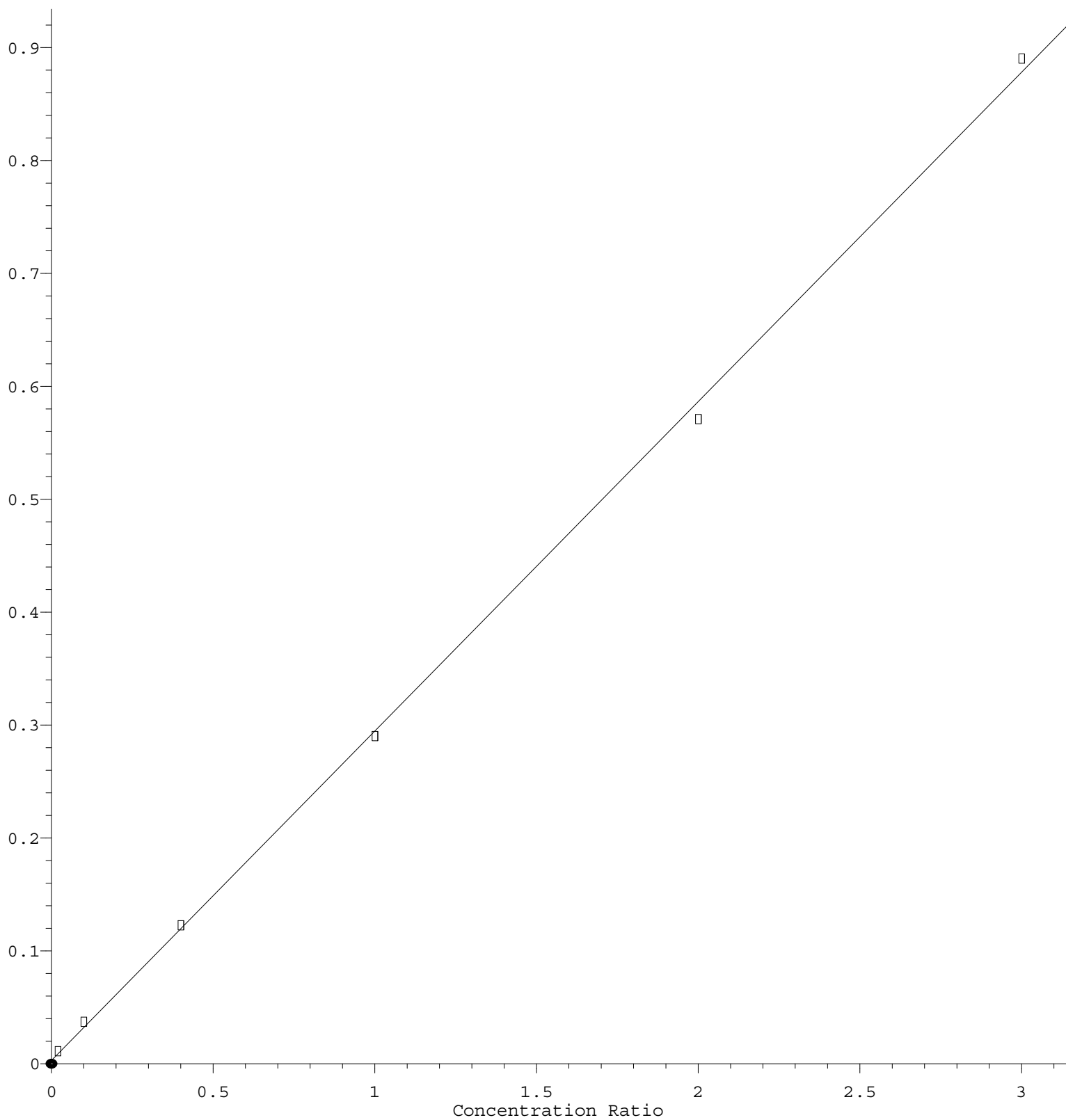
Bromomethane



Response = 2.088e-001 * Amt + 1.794e-002
 Coef of Det (r^2) = 0.999890 Curve Fit: Linear
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Chloromethane

Response Ratio



$$\text{Response} = 2.917\text{e-}001 * \text{Amt} + 3.383\text{e-}003$$

Coef of Det (r^2) = 0.999264 Curve Fit: Linear

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