

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N011623W.M
 Title : SW846 8260
 Last Update : Tue Jan 17 03:59:22 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN076261.D 10 =VN076262.D 20 =VN076263.D 50 =VN076264.D 75 =VN076265.D 1 =VN076267.D

	Compound	5	10	20	50	75	1	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.452	0.537	0.523	0.526	0.541	0.496	0.512	6.58
3) P	Chloromethane	0.503	0.544	0.523	0.522	0.522	0.569	0.531	4.34
4) C	Vinyl Chloride	0.658	0.653	0.644	0.644	0.657	0.647	0.650	0.95#
5) T	Bromomethane	0.558	0.534	0.525	0.515	0.532		0.533	2.99
6) T	Chloroethane	0.475	0.484	0.471	0.457	0.487	0.553	0.488	6.91
7) T	Trichlorofluor...	0.887	0.887	0.880	0.875	0.898	0.942	0.895	2.70
8) T	Diethyl Ether	0.299	0.299	0.298	0.307	0.313	0.286	0.300	3.05
9) T	1,1,2-Trichlor...	0.511	0.531	0.502	0.498	0.511	0.487	0.507	3.00
10) T	Methyl Iodide	0.743	0.774	0.761	0.785	0.807		0.774	3.14
11) T	Tert butyl alc...	0.075	0.075	0.070	0.075	0.079		0.075	4.25
12) CM	1,1-Dichloroet...	0.470	0.479	0.459	0.477	0.486	0.503	0.479	3.13#
13) T	Acrolein	0.095	0.086	0.088	0.088	0.091		0.090	3.68
14) T	Allyl chloride	0.531	0.582	0.522	0.549	0.570	0.595	0.558	5.17
15) T	Acrylonitrile	0.212	0.211	0.208	0.216	0.219	0.213	0.213	1.81
16) T	Acetone	0.187	0.185	0.173	0.175	0.182	0.269	0.195	18.77
17) T	Carbon Disulfide	1.073	1.179	1.141	1.184	1.228	1.350	1.192	7.80
18) T	Methyl Acetate	0.618	0.606	0.574	0.588	0.599	0.664	0.608	5.13
19) T	Methyl tert-bu...	1.517	1.535	1.537	1.597	1.633	1.535	1.559	2.91
20) T	Methylene Chlo...	0.579	0.550	0.543	0.517	0.535	1.144	0.645	38.06
21) T	trans-1,2-Dich...	0.520	0.501	0.500	0.506	0.513	0.573	0.519	5.36
22) T	Diisopropyl ether	1.302	1.338	1.324	1.346	1.367	1.220	1.316	3.95
23) T	Vinyl Acetate	0.795	0.825	0.880	0.912	0.943	0.748	0.851	8.69
24) P	1,1-Dichloroet...	0.910	0.897	0.854	0.868	0.893	0.842	0.877	3.07
25) T	2-Butanone	0.265	0.275	0.263	0.273	0.278	0.290	0.274	3.46
26) T	2,2-Dichloropr...	0.733	0.731	0.725	0.769	0.800	0.678	0.739	5.59
27) T	cis-1,2-Dichlo...	0.615	0.591	0.597	0.599	0.614	0.614	0.605	1.71
28) T	Bromochloromet...	0.364	0.333	0.353	0.362	0.380	0.342	0.356	4.69
29) T	Tetrahydrofuran	0.163	0.174	0.170	0.177	0.180	0.150	0.169	6.69
30) C	Chloroform	0.966	0.972	0.931	0.965	0.978	1.013	0.971	2.73#
31) T	Cyclohexane	1.007	0.875	0.833	0.787	0.798		0.860	10.38
32) T	1,1,1-Trichlor...	0.885	0.878	0.870	0.884	0.924	0.876	0.886	2.17
33) S	1,2-Dichloroet...	0.584	0.526	0.549	0.554	0.586		0.560	4.51
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.331	0.295	0.312	0.306	0.321		0.313	4.39
36) T	1,1-Dichloropr...	0.443	0.431	0.440	0.446	0.459	0.448	0.444	2.12
37) T	Ethyl Acetate	0.388	0.325	0.356	0.350	0.360	0.568	0.391	22.79
38) T	Carbon Tetrach...	0.489	0.490	0.486	0.499	0.514	0.496	0.496	2.04
39) T	Methylcyclohexane	0.532	0.525	0.557	0.572	0.597	0.474	0.543	7.89
40) TM	Benzene	1.325	1.322	1.316	1.333	1.358	1.320	1.329	1.14
41) T	Methacrylonitrile	0.177	0.194	0.182	0.191	0.193	0.183	0.187	3.72
42) TM	1,2-Dichloroet...	0.458	0.448	0.441	0.450	0.460	0.471	0.455	2.38
43) T	Isopropyl Acetate	0.571	0.566	0.564	0.598	0.616	0.564	0.580	3.77
44) TM	Trichloroethene	0.398	0.372	0.354	0.361	0.370	0.399	0.376	5.03
45) C	1,2-Dichloropr...	0.326	0.315	0.314	0.315	0.325	0.315	0.318	1.78#
46) T	Dibromomethane	0.246	0.235	0.232	0.239	0.245	0.244	0.240	2.36
47) T	Bromodichlorom...	0.450	0.459	0.456	0.474	0.486	0.471	0.466	2.83
48) T	Methyl methacr...	0.257	0.259	0.266	0.283	0.293	0.289	0.275	5.72
49) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.005	0.006	7.16
50) S	Toluene-d8	1.176	1.062	1.151	1.165	1.222		1.155	5.06
51) T	4-Methyl-2-Pen...	0.327	0.341	0.341	0.356	0.367	0.310	0.340	5.95
52) CM	Toluene	0.891	0.894	0.870	0.885	0.909	0.883	0.889	1.47#
53) T	t-1,3-Dichloro...	0.409	0.426	0.442	0.489	0.514	0.386	0.444	10.91
54) T	cis-1,3-Dichlo...	0.468	0.506	0.505	0.531	0.565	0.490	0.511	6.60
55) T	1,1,2-Trichlor...	0.340	0.336	0.330	0.331	0.350	0.350	0.340	2.63
56) T	Ethyl methacry...	0.407	0.410	0.448	0.480	0.505	0.381	0.439	10.86

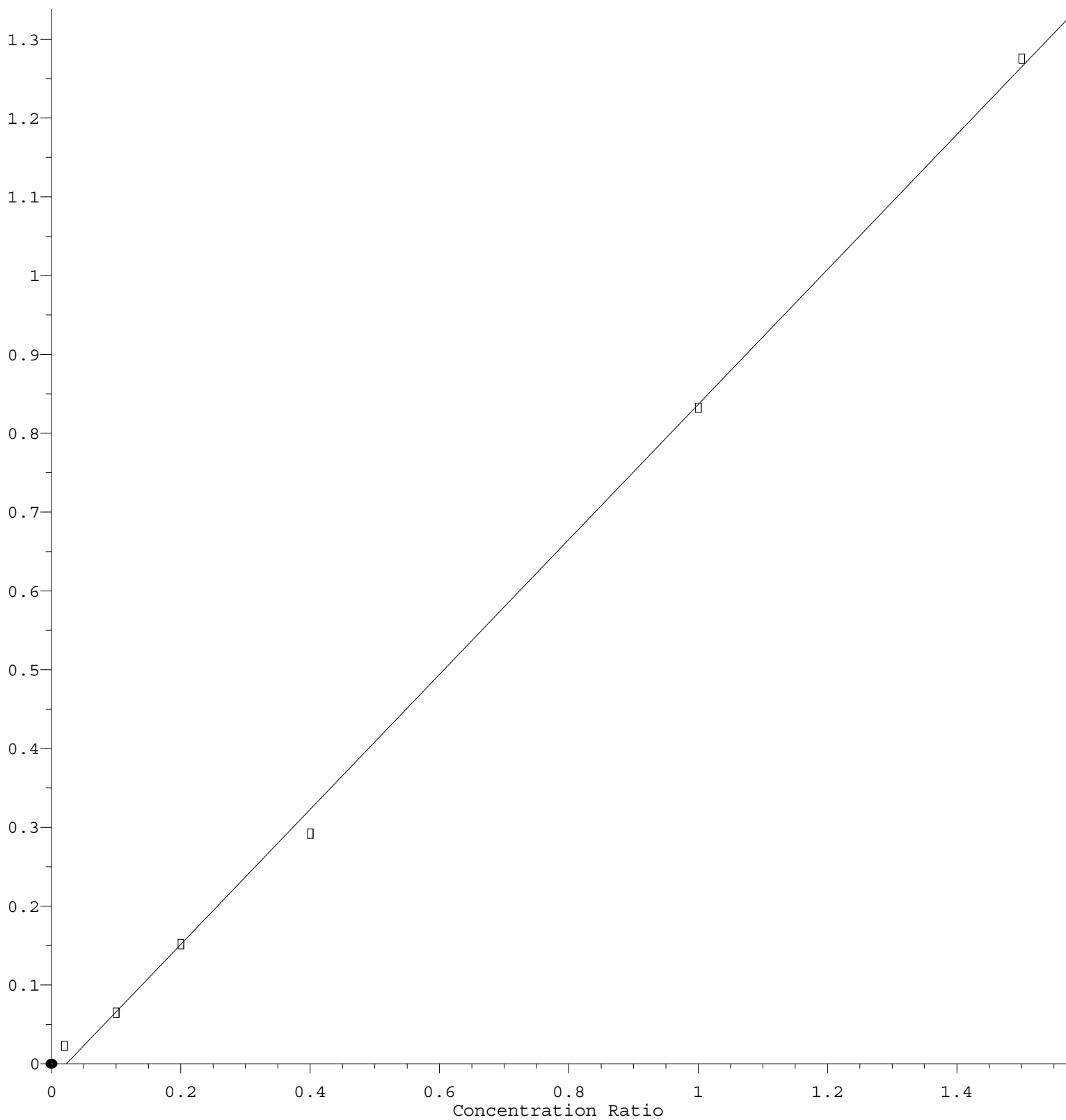
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57)	T	1,3-Dichloropr...	0.539	0.543	0.543	0.557	0.561	0.570	0.552	2.28
58)	T	2-Chloroethyl ...	0.139	0.140	0.150	0.161	0.161	0.137	0.148	7.59
59)	T	2-Hexanone	0.232	0.242	0.249	0.261	0.269	0.228	0.247	6.54
60)	T	Dibromochlorom...	0.342	0.354	0.358	0.382	0.400	0.310	0.358	8.77
61)	T	1,2-Dibromoethane	0.334	0.340	0.335	0.350	0.361	0.314	0.339	4.69
62)	S	4-Bromofluorob...	0.356	0.334	0.371	0.393	0.431		0.377	9.82
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.501	0.460	0.422	0.393	0.388	0.541	0.451	13.59
65)	PM	Chlorobenzene	1.040	1.054	1.017	1.034	1.051	1.146	1.057	4.31
66)	T	1,1,1,2-Tetrac...	0.387	0.392	0.383	0.391	0.405	0.402	0.393	2.18
67)	C	Ethyl Benzene	1.707	1.820	1.814	1.880	1.921	1.711	1.809	4.80#
68)	T	m/p-Xylenes	0.678	0.727	0.721	0.745	0.771	0.710	0.725	4.36
69)	T	o-Xylene	0.670	0.706	0.710	0.739	0.751	0.699	0.712	4.06
70)	T	Styrene	1.037	1.097	1.137	1.206	1.250	1.096	1.137	6.88
71)	P	Bromoform	0.252	0.270	0.282	0.304	0.323	0.273	0.284	8.96
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.802	4.040	3.943	3.806	3.824	3.793	3.868	2.61
74)	T	N-amyl acetate	0.992	1.112	1.099	1.140	1.178	1.154	1.113	5.92
75)	P	1,1,2,2-Tetrac...	1.108	1.079	1.071	1.057	1.047	1.309	1.112	8.90
76)	T	1,2,3-Trichlor...	1.349	0.848	0.952	0.918	0.902	1.237	1.034	19.93
77)	T	Bromobenzene	0.967	0.989	0.921	0.894	0.905	1.290	0.994	15.02
78)	T	n-propylbenzene	4.080	4.410	4.349	4.367	4.442	4.538	4.364	3.54
79)	T	2-Chlorotoluene	2.746	2.704	2.577	2.554	2.571	2.917	2.678	5.27
80)	T	1,3,5-Trimethy...	3.269	3.394	3.266	3.237	3.270	3.007	3.240	3.91
81)	T	trans-1,4-Dich...	0.295	0.273	0.294	0.319	0.321		0.301	6.68
82)	T	4-Chlorotoluene	2.746	2.704	2.577	2.554	2.571	2.917	2.678	5.27
83)	T	tert-Butylbenzene	2.856	3.027	2.872	2.851	2.868	2.819	2.882	2.55
84)	T	1,2,4-Trimethy...	3.119	3.408	3.276	3.243	3.315	3.134	3.249	3.39
85)	T	sec-Butylbenzene	3.832	4.060	3.986	4.069	4.149	3.899	3.999	2.94
86)	T	p-Isopropyltol...	3.042	3.341	3.327	3.447	3.553	3.022	3.289	6.54
87)	T	1,3-Dichlorobe...	1.692	1.760	1.675	1.724	1.759	2.328	1.823	13.69
88)	T	1,4-Dichlorobe...	1.740	1.727	1.692	1.701	1.752	2.439	1.842	15.94
89)	T	n-Butylbenzene	2.248	2.495	2.542	2.812	2.952	2.614	2.611	9.48
90)	T	Hexachloroethane	0.539	0.550	0.562	0.588	0.604	0.563	0.568	4.23
91)	T	1,2-Dichlorobe...	1.766	1.760	1.703	1.716	1.725	2.224	1.816	11.11
92)	T	1,2-Dibromo-3-...	0.182	0.180	0.187	0.207	0.201	0.204	0.193	6.21
93)	T	1,2,4-Trichlor...	0.652	0.757	0.760	0.875	0.892	1.282	0.870	25.30
94)	T	Hexachlorobuta...	0.475	0.452	0.445	0.476	0.463	0.581	0.482	10.35
95)	T	Naphthalene	1.709	1.997	2.207	2.537	2.677	4.129	2.543	33.55
96)	T	1,2,3-Trichlor...	0.648	0.758	0.730	0.832	0.850	1.121	0.823	19.81

(#) = Out of Range

1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 8.561\text{e-}001 * \text{Amt} - 1.976\text{e-}002$$

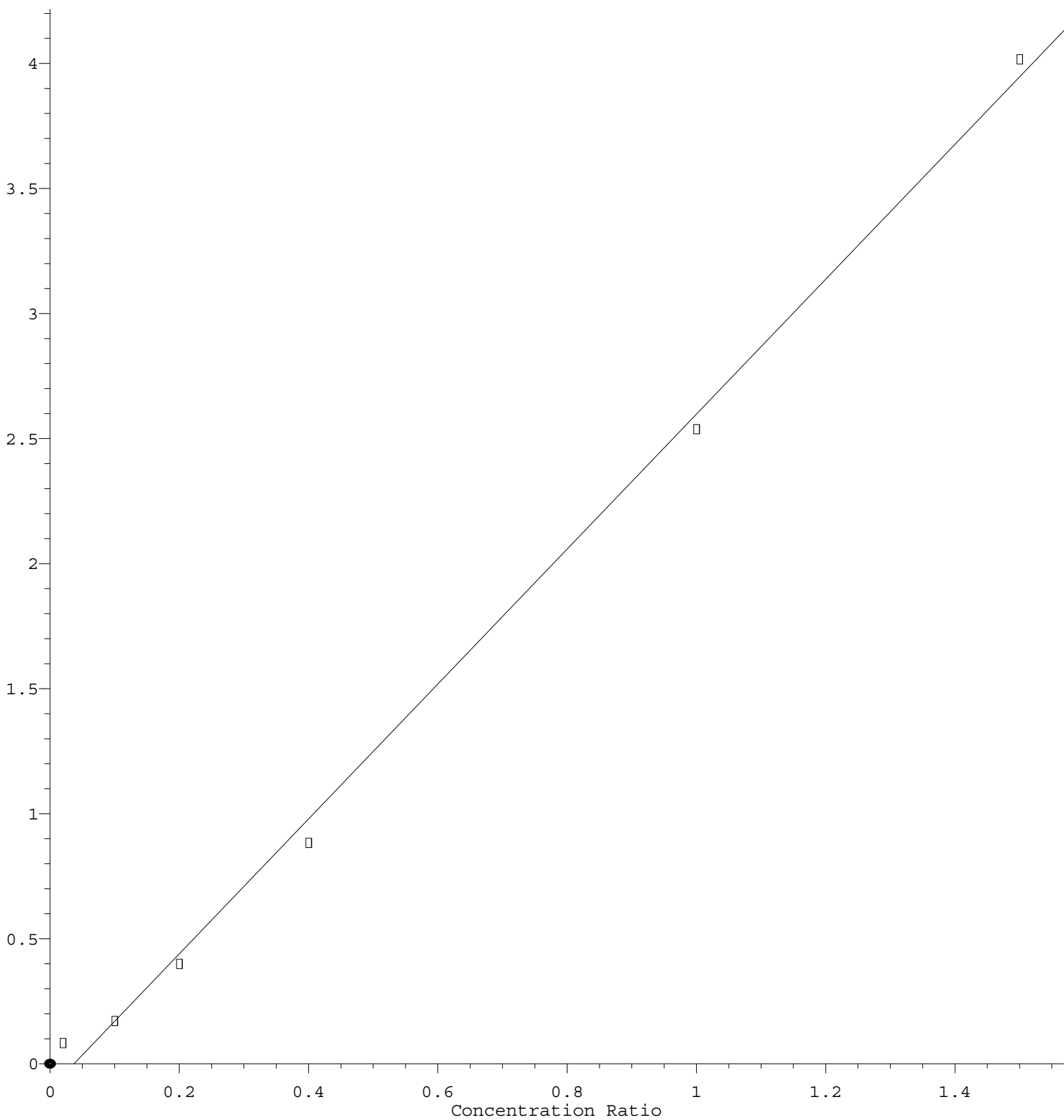
Coef of Det (r^2) = 0.998658 Curve Fit: Linear

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Naphthalene

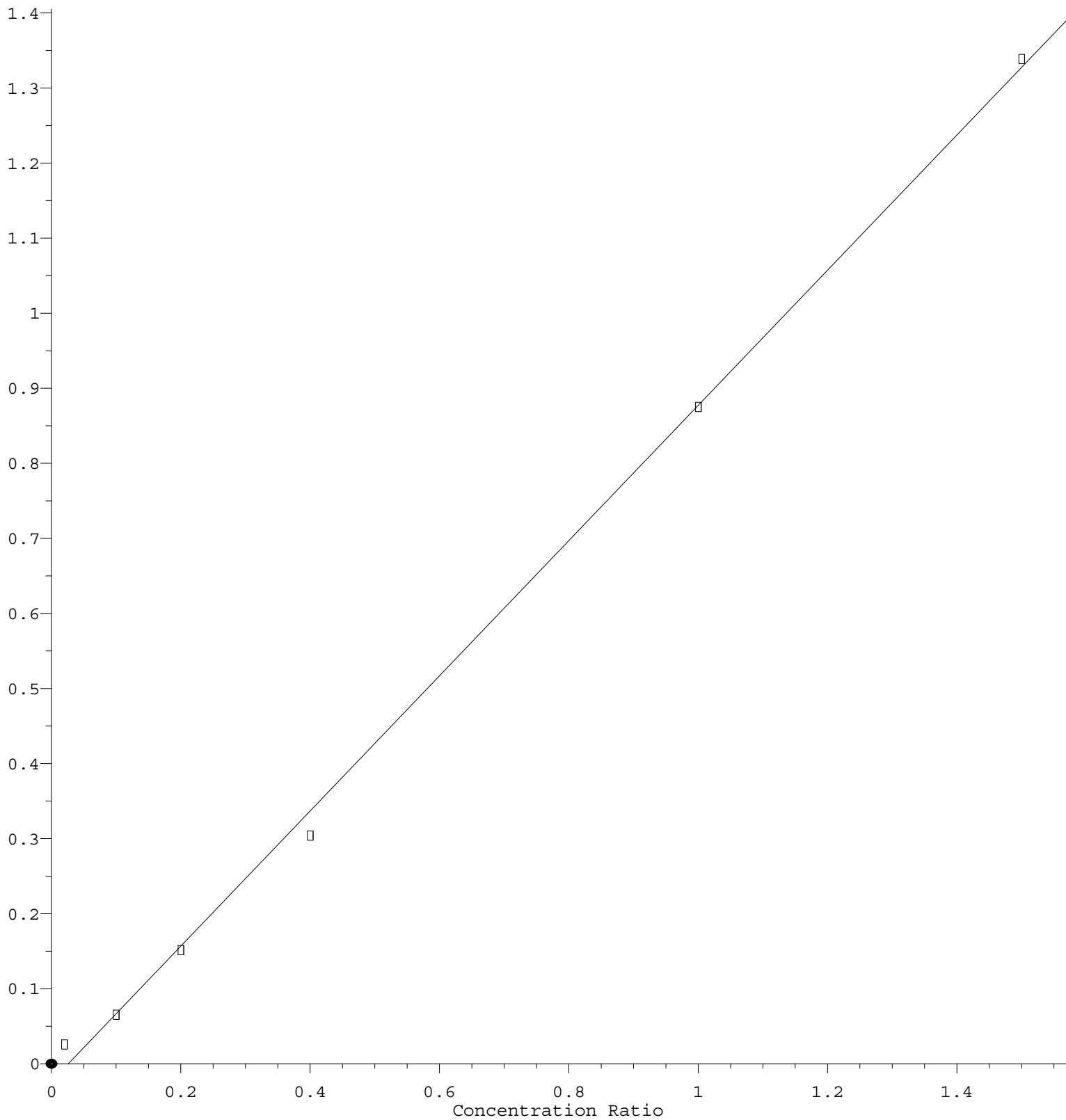
Response Ratio



Response = 2.697e+000 * Amt - 9.919e-002
 Coef of Det (r^2) = 0.997160 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011623W.M
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1,2,4-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.009\text{e-}001 * \text{Amt} - 2.352\text{e-}002$$

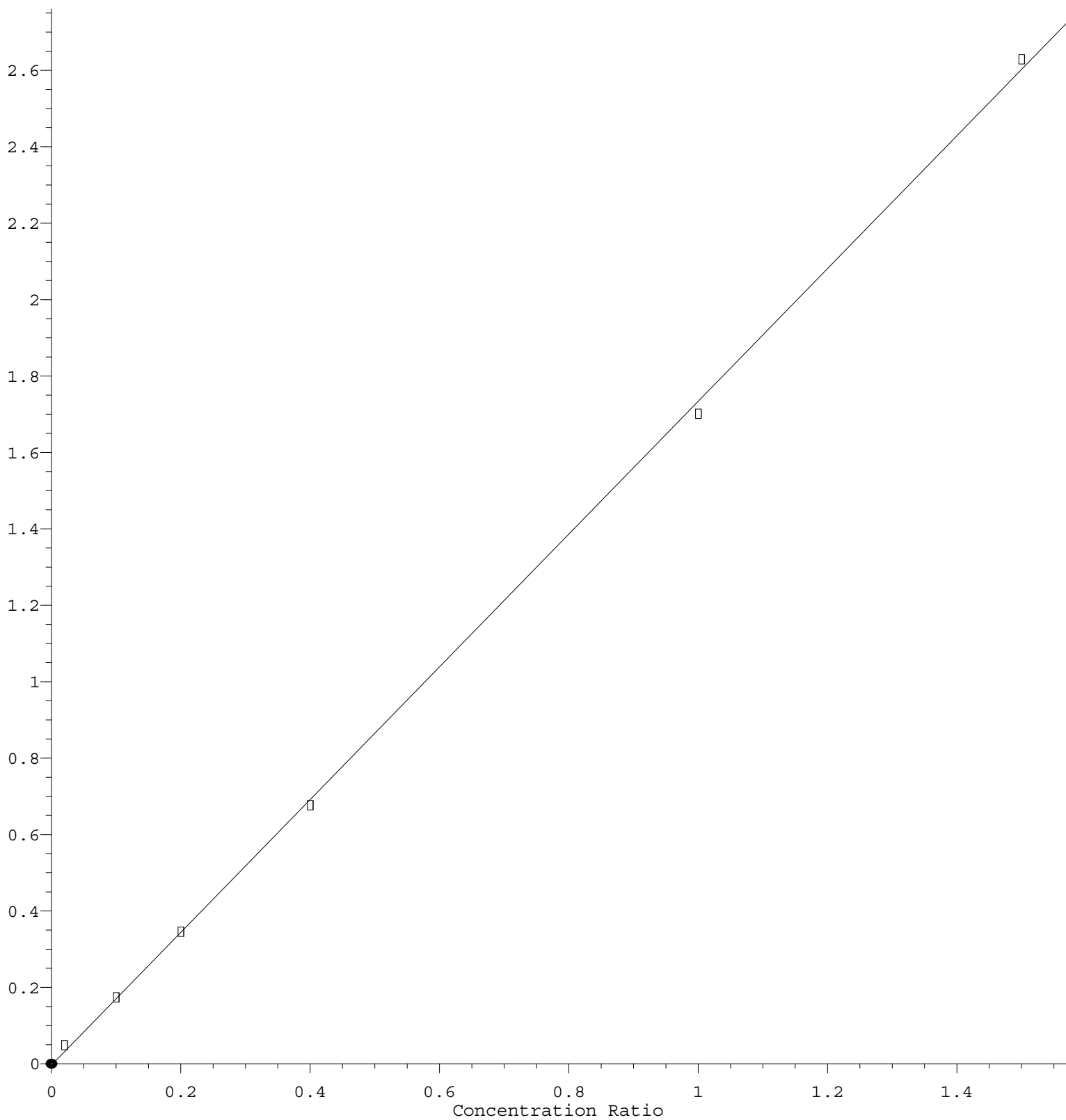
Coef of Det (r^2) = 0.998436 Curve Fit: Linear

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1,4-Dichlorobenzene

Response Ratio



$$\text{Response} = 1.738\text{e}+000 * \text{Amt} - 3.518\text{e}-003$$

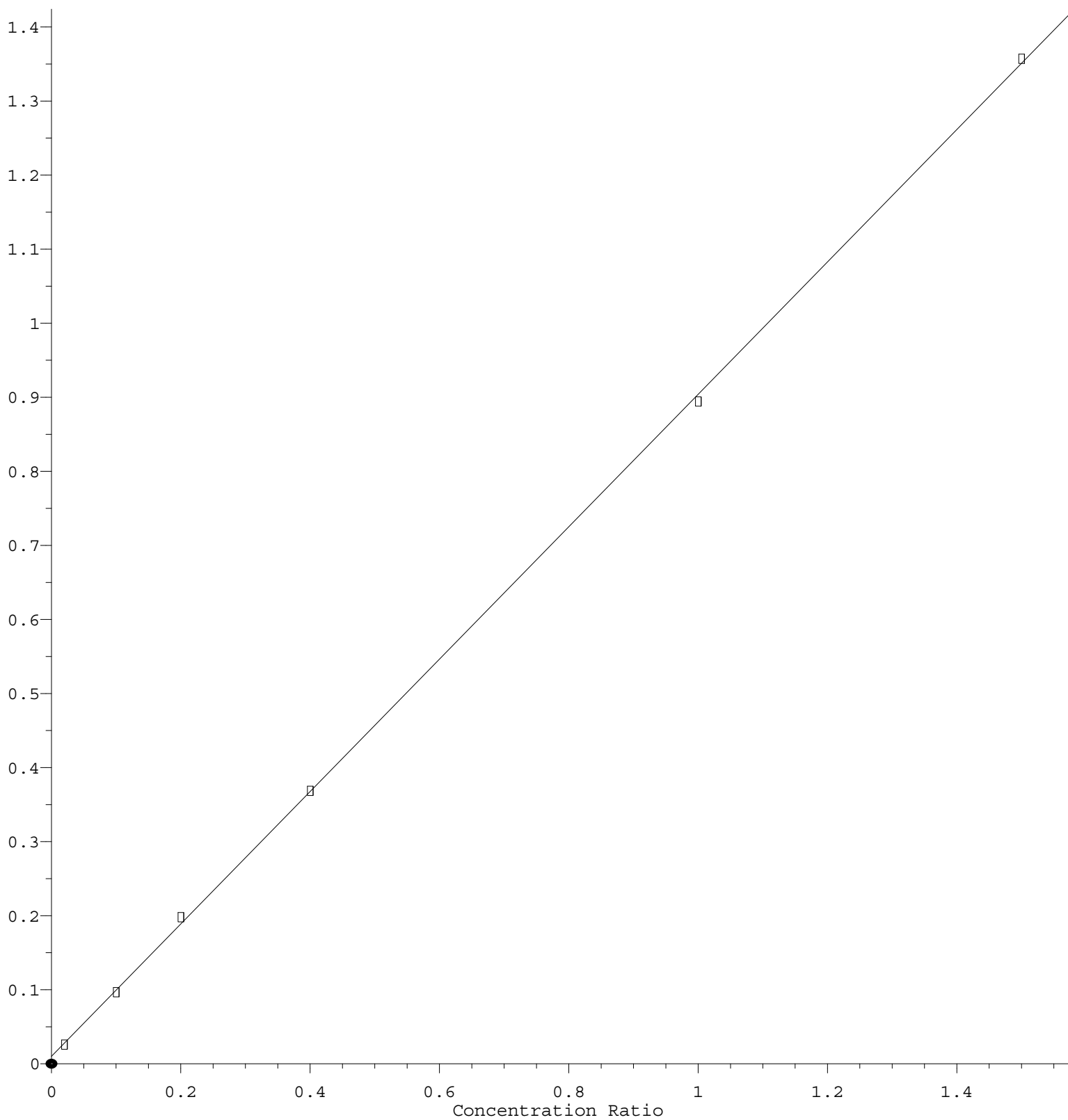
Coef of Det (r^2) = 0.999560 Curve Fit: Linear

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Bromobenzene

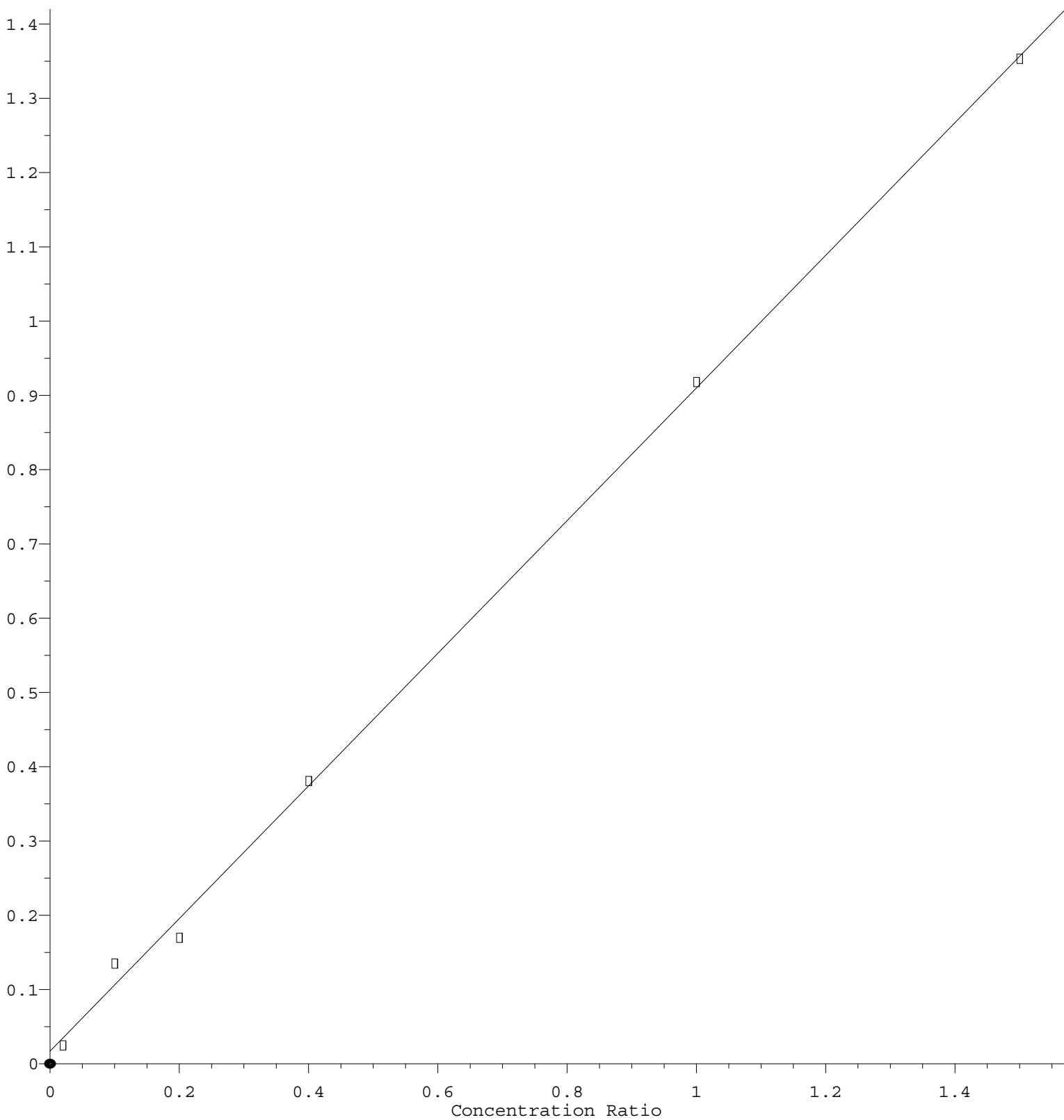
Response Ratio



Response = 8.942e-001 * Amt + 1.015e-002
 Coef of Det (r^2) = 0.999837 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011623W.M
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1,2,3-Trichloropropane

Response Ratio



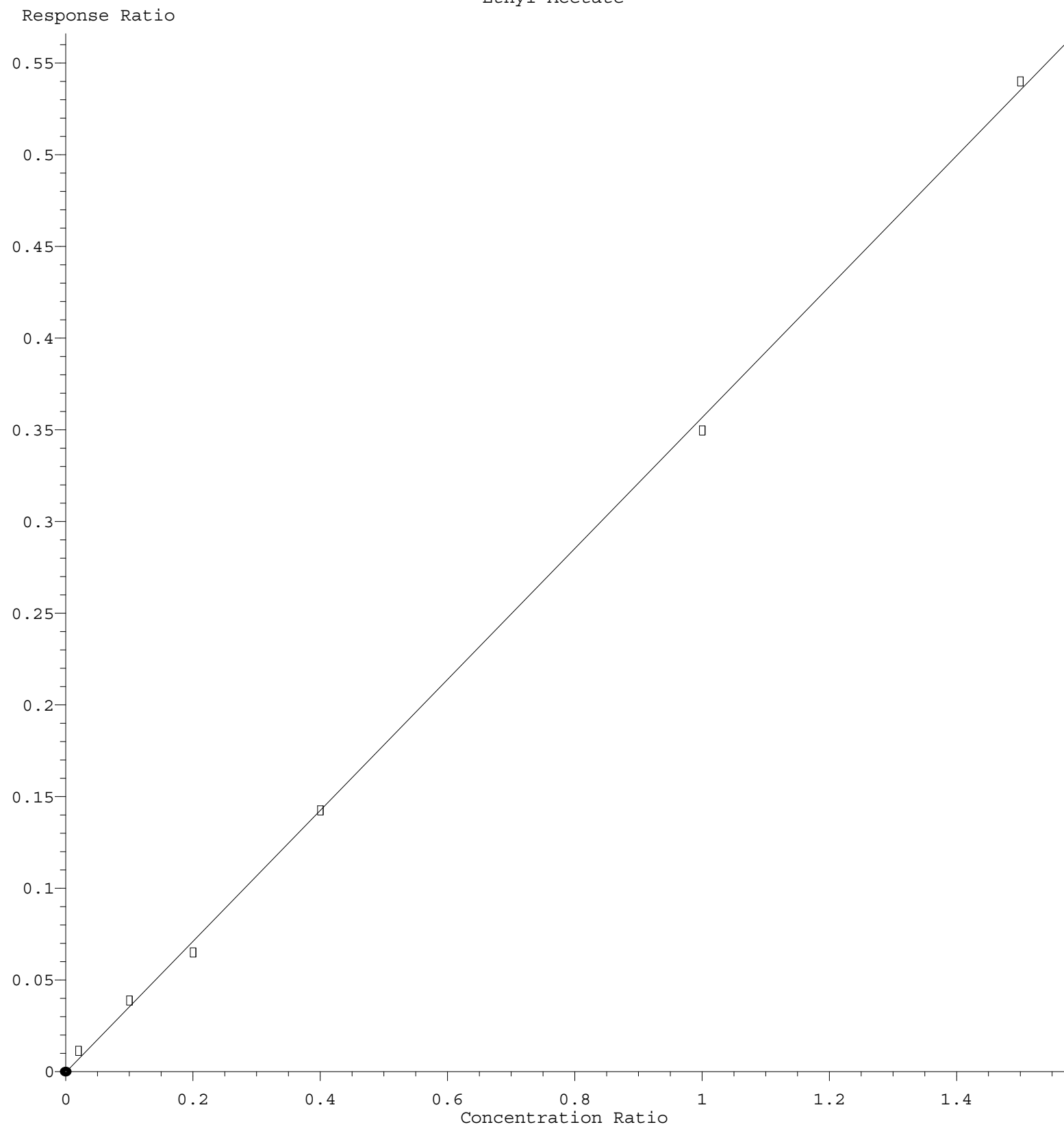
$$\text{Response} = 8.936\text{e-}001 * \text{Amt} + 1.727\text{e-}002$$

Coef of Det (r^2) = 0.998770 Curve Fit: Linear

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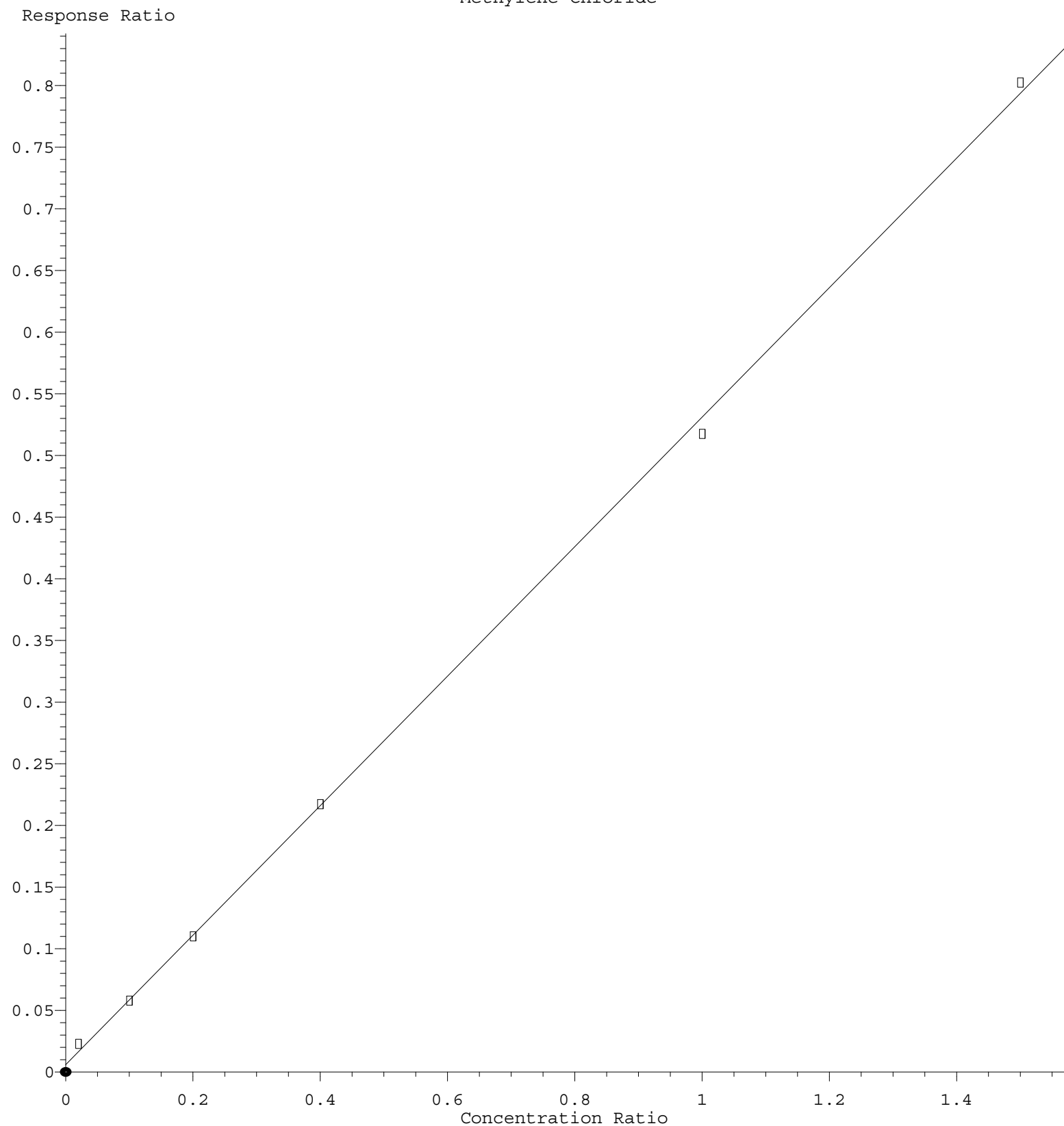
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Ethyl Acetate



Response = $3.567 \times 10^{-1} \times \text{Amt} - 2.613 \times 10^{-4}$
Coef of Det (r^2) = 0.999360 Curve Fit: Linear
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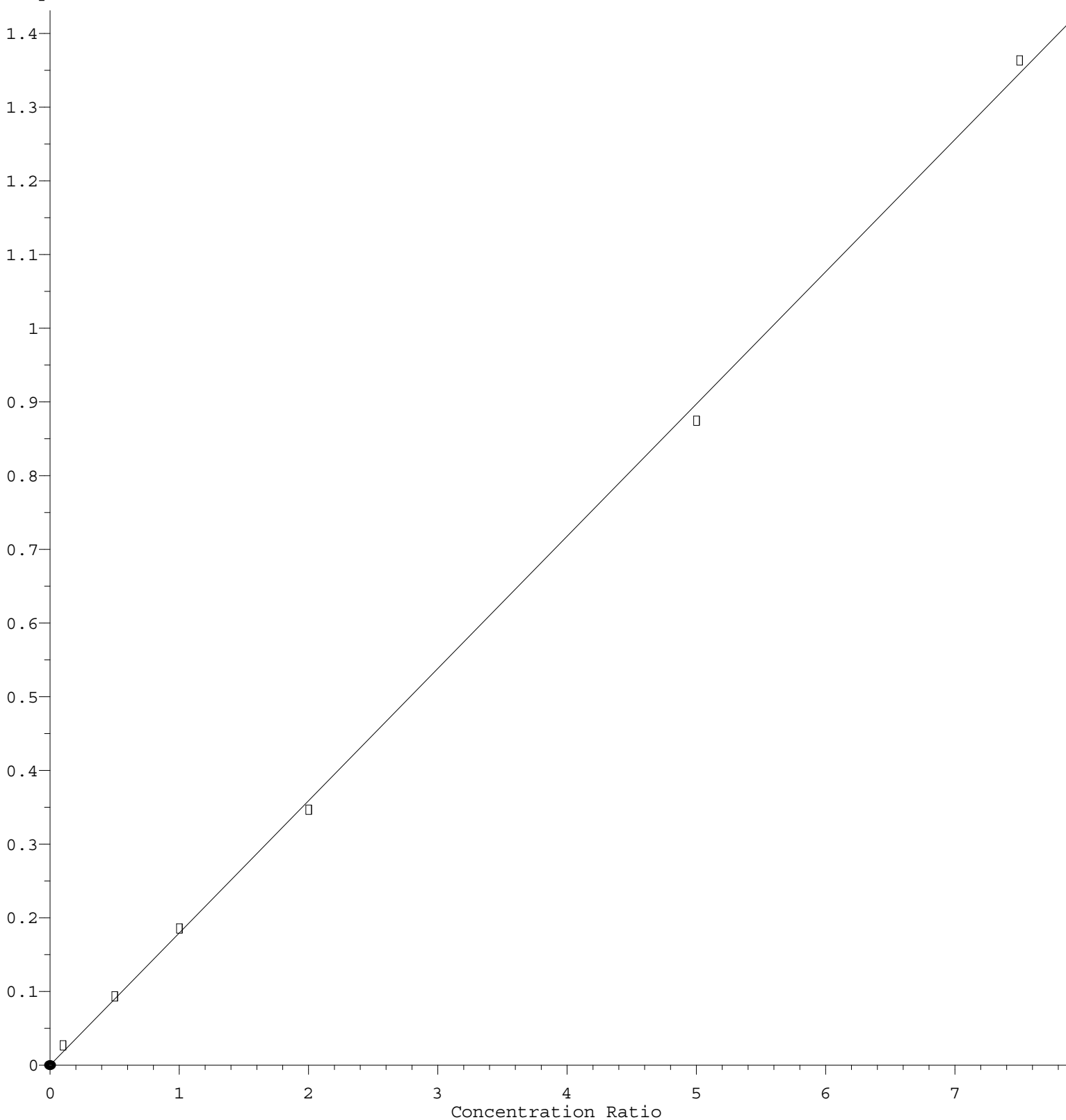
Methylene Chloride



Response = $5.247 \times 10^{-1} \times \text{Amt} + 6.399 \times 10^{-3}$
Coef of Det (r^2) = 0.999363 Curve Fit: Linear
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Acetone

Response Ratio



$$\text{Response} = 1.794\text{e-}001 * \text{Amt} + 2.638\text{e-}004$$

Coef of Det (r^2) = 0.999205 Curve Fit: Linear

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