

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N103024W.M
 Title : SW846 8260
 Last Update : Thu Oct 31 18:45:38 2024
 Response Via : Initial Calibration

Calibration Files

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D

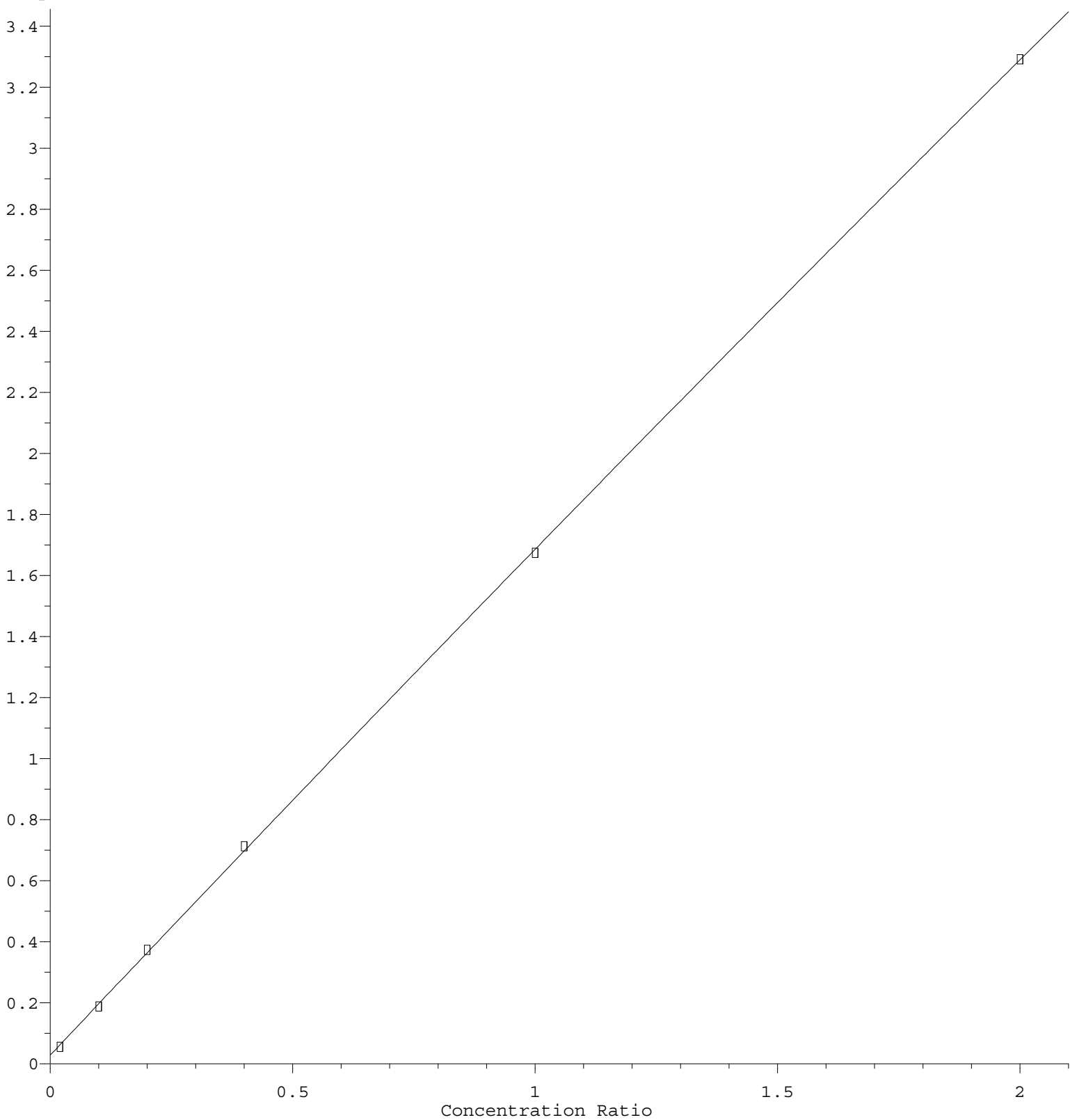
	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3) P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4) C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5) T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6) T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7) T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8) T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9) T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10) T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11) T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12) CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13) T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14) T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15) T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16) T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17) T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18) T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19) T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20) T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21) T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22) T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23) T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24) P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25) T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26) T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27) T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28) T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29) T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30) C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31) T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32) T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33) S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36) T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37) T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38) T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39) T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40) TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41) T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42) TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43) T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44) TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45) C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46) T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47) T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48) T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49) T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50) S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51) T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52) CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53) T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54) T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55) T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

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56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...	0.454	0.451	0.450	0.493	0.481	0.466		4.26
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...	0.431	0.446	0.423	0.401	0.406	0.421		4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

(#) = Out of Range

1,4-Dichlorobenzene

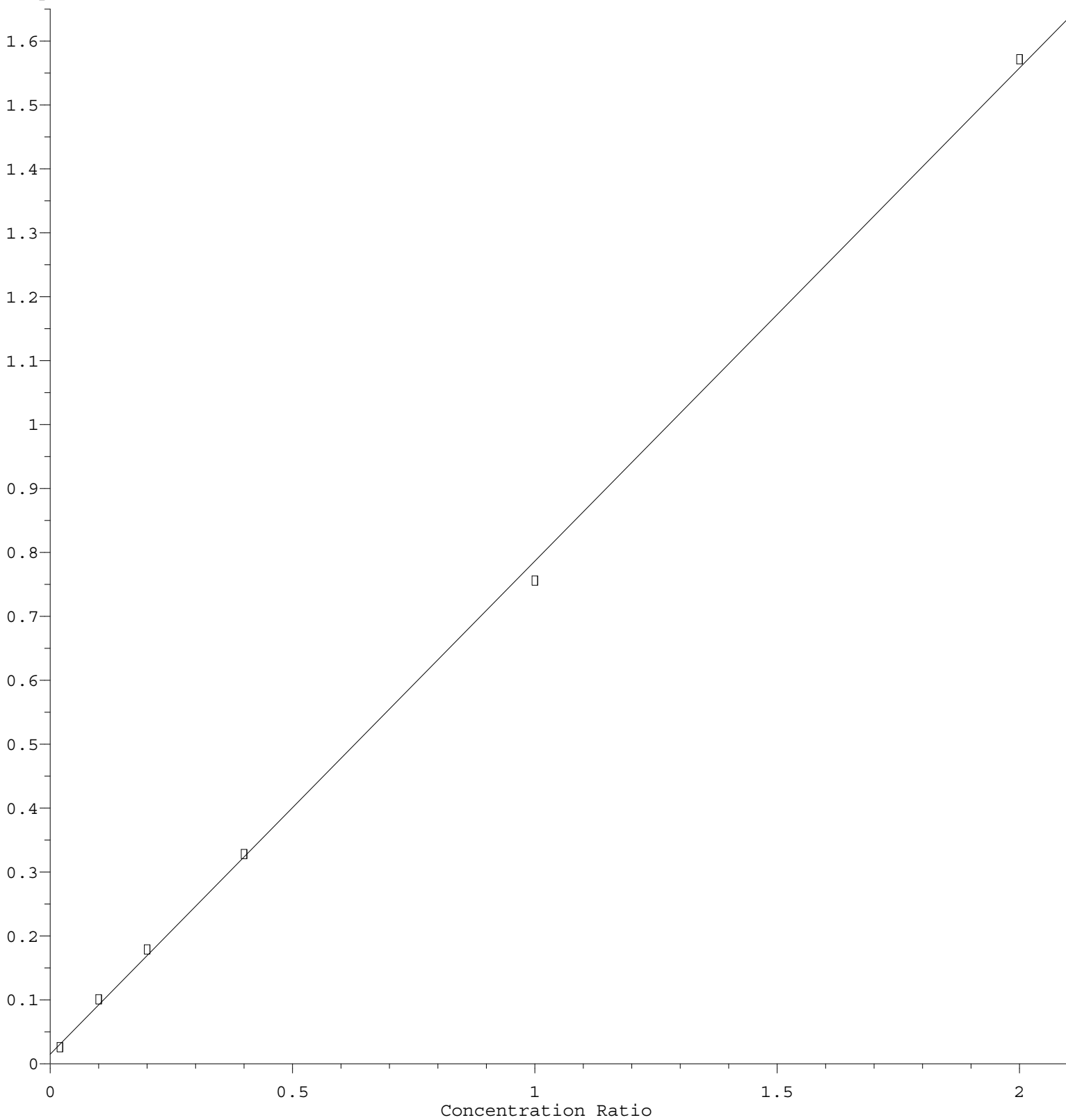
Response Ratio



R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
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Isopropyl Acetate

Response Ratio



$$\text{Response} = 7.716\text{e-}001 * \text{Amt} + 1.519\text{e-}002$$

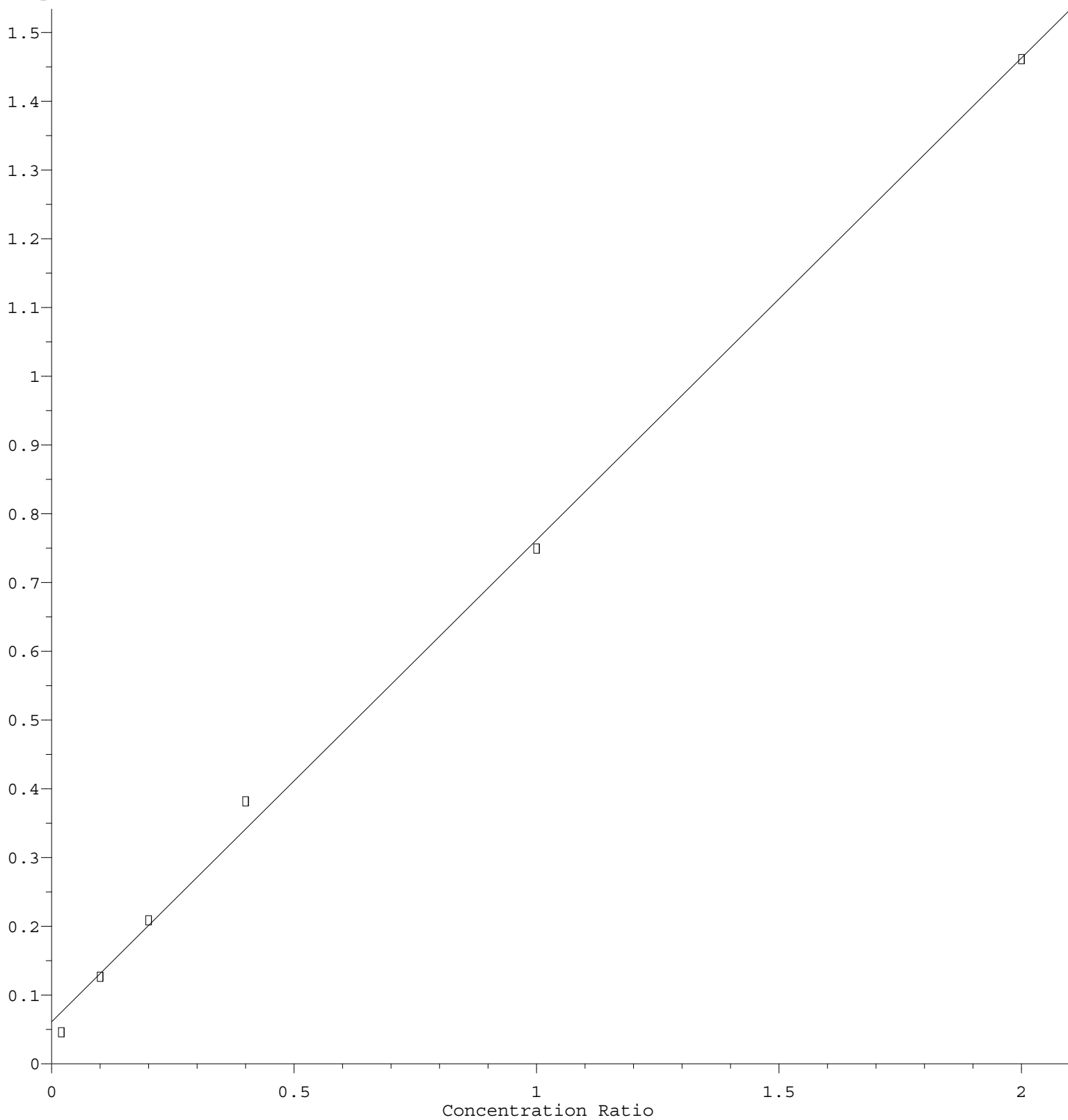
Coef of Det (r^2) = 0.999234 Curve Fit: Linear

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Methyl Acetate

Response Ratio



$$\text{Response} = 7.012\text{e-}001 * \text{Amt} + 6.084\text{e-}002$$

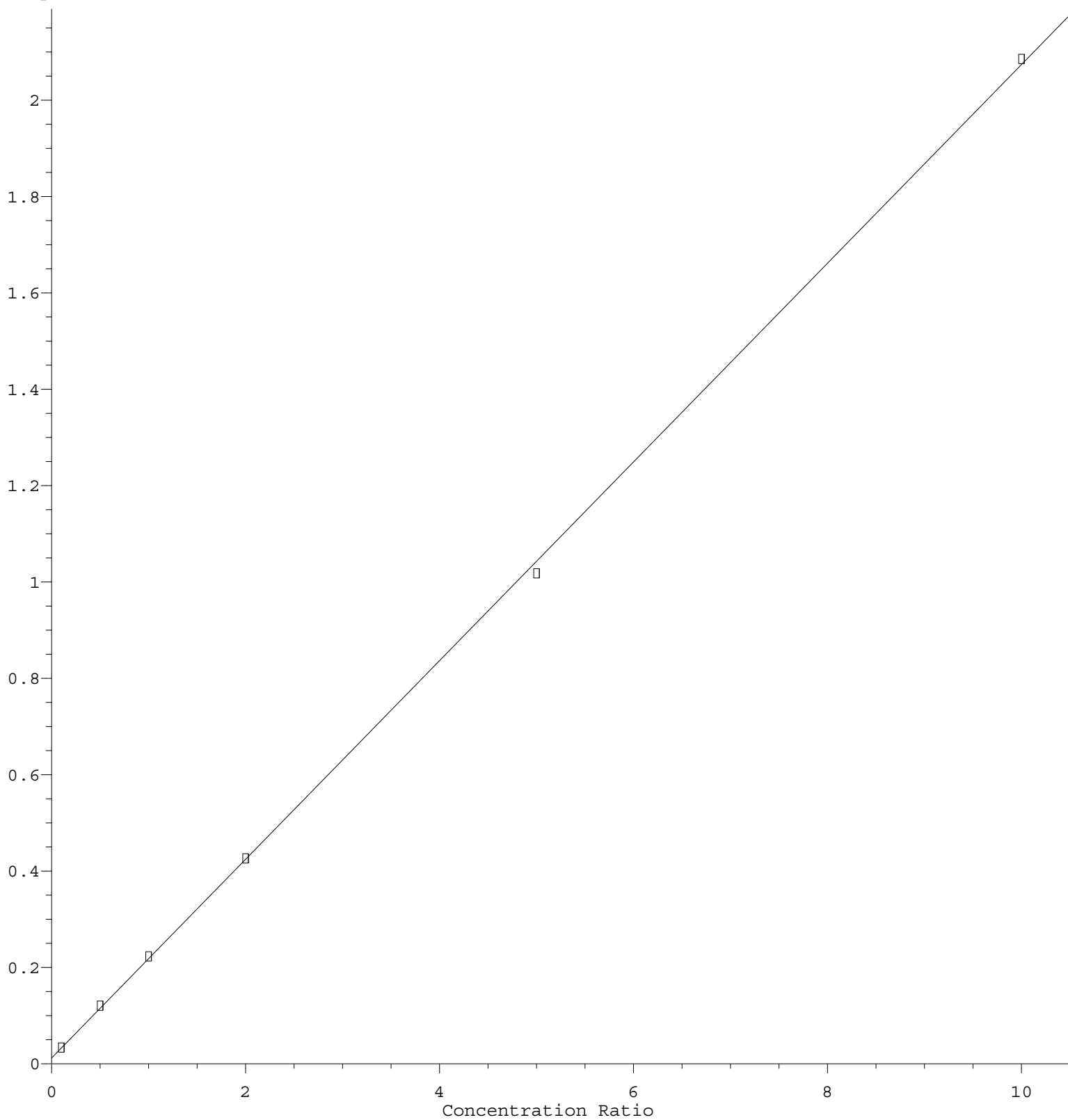
Coef of Det (r^2) = 0.998099 Curve Fit: Linear

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Acetone

Response Ratio



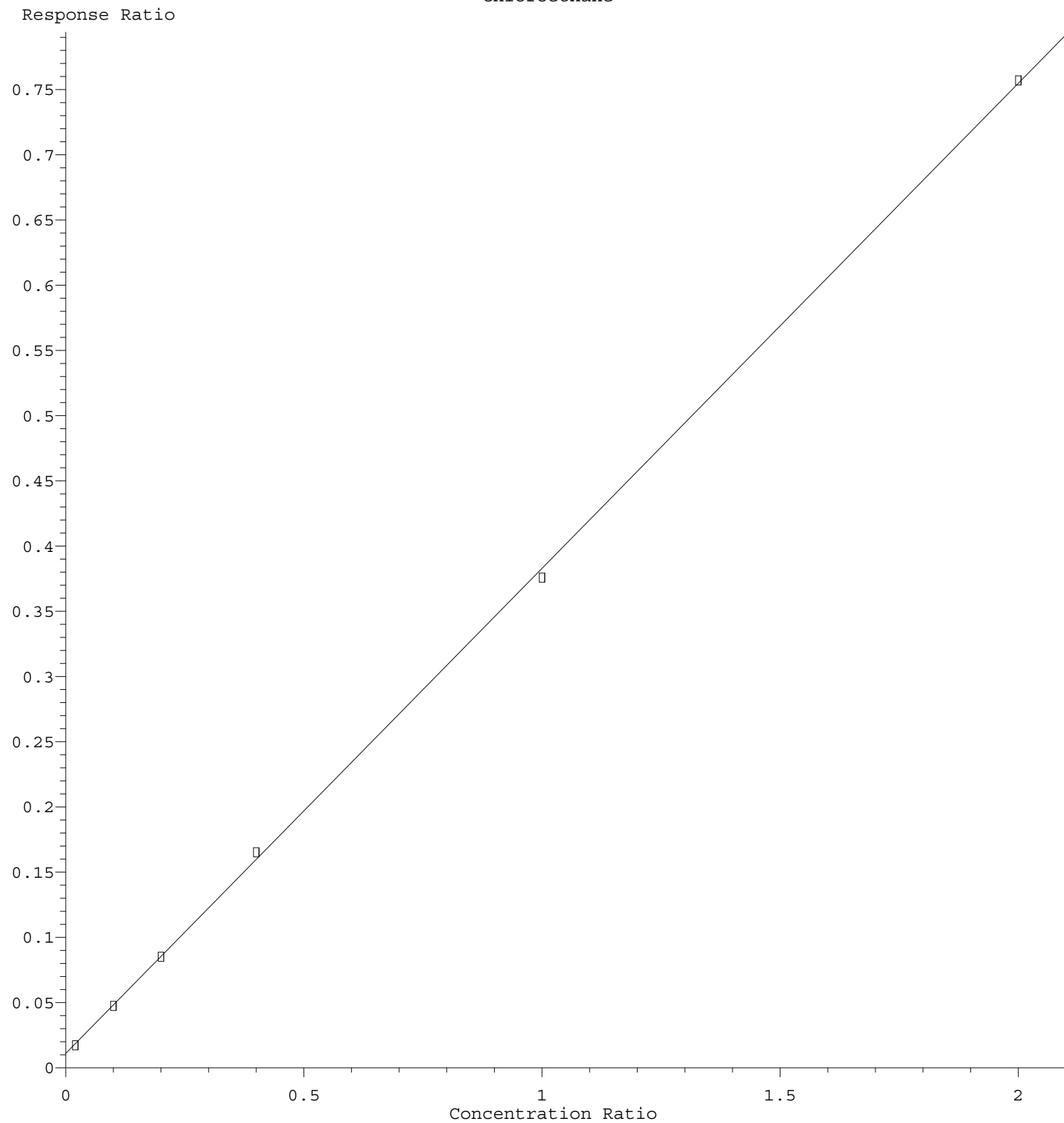
$$\text{Response} = 2.062\text{e-}001 * \text{Amt} + 1.190\text{e-}002$$

Coef of Det (r^2) = 0.999735 Curve Fit: Linear

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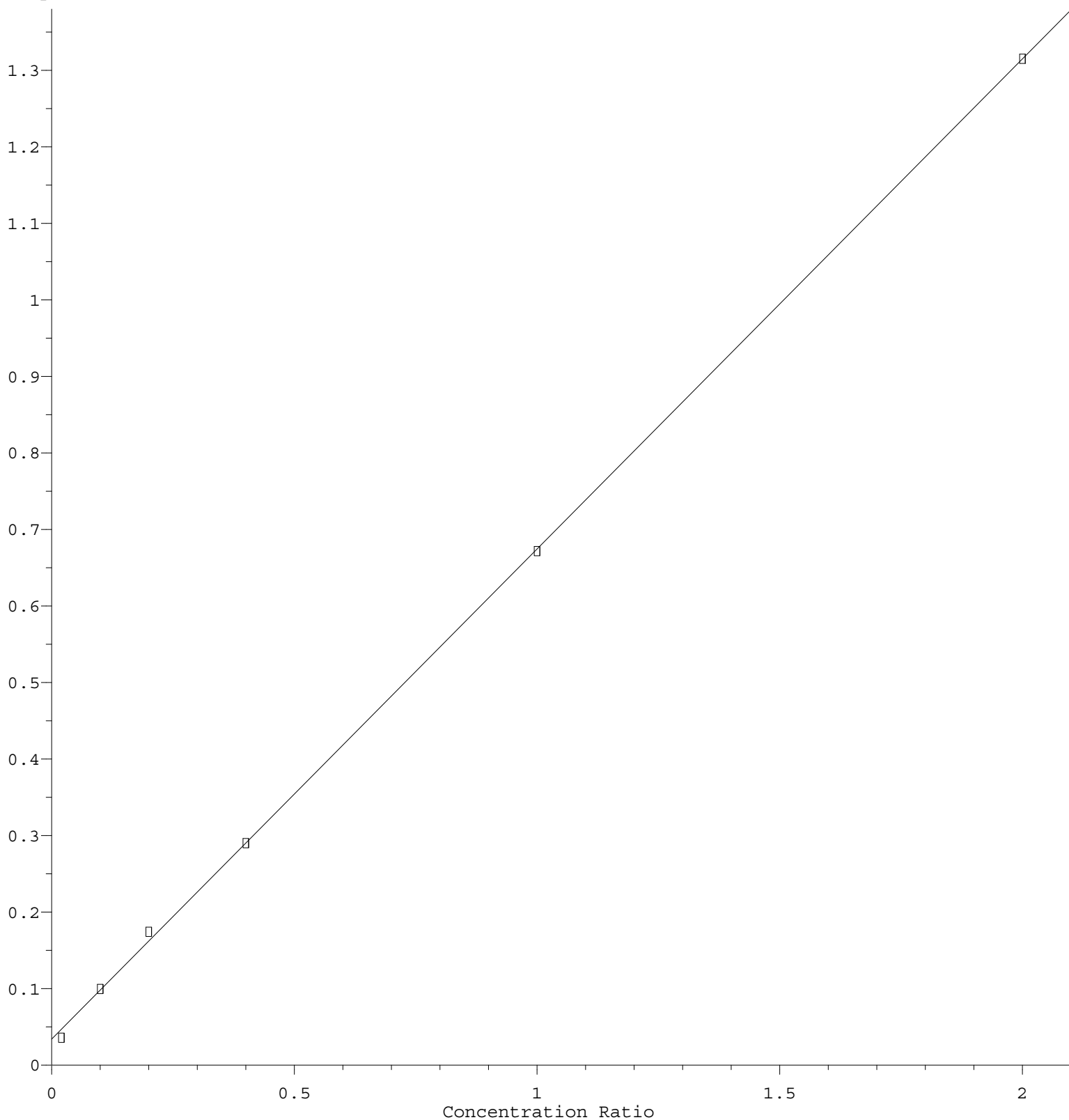
Chloroethane



Response = $3.720 \times 10^{-1} \times \text{Amt} + 1.067 \times 10^{-2}$
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
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Chloromethane

Response Ratio



$$\text{Response} = 6.405\text{e-}001 * \text{Amt} + 3.399\text{e-}002$$

Coef of Det (r^2) = 0.999766 Curve Fit: Linear

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