

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N071023W.M
 Title : SW846 8260
 Last Update : Mon Jul 10 16:13:53 2023
 Response Via : Initial Calibration

Calibration Files

1 =VN078454.D 5 =VN078453.D 40 =VN078451.D 20 =VN078452.D 50 =VN078450.D 100 =VN078449.D

	Compound	1	5	40	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.650	0.691	0.609	0.576	0.586	0.565	0.613	7.94
3) P	Chloromethane	0.818	0.733	0.651	0.617	0.614	0.566	0.666	13.89
4) C	Vinyl Chloride	0.974	0.936	0.805	0.842	0.813	0.802	0.862	8.66#
5) T	Bromomethane		0.795	0.586	0.620	0.569	0.509	0.616	17.53
6) T	Chloroethane	0.751	0.592	0.523	0.560	0.570	0.500	0.583	15.25
7) T	Trichlorofluor...	1.143	1.108	0.993	1.010	0.983	0.945	1.030	7.53
8) T	Diethyl Ether	0.373	0.345	0.344	0.323	0.345	0.330	0.343	5.03
9) T	1,1,2-Trichlor...	0.569	0.577	0.542	0.533	0.537	0.513	0.545	4.40
10) T	Methyl Iodide		0.751	0.765	0.733	0.751	0.747	0.749	1.55
11) T	Tert butyl alc...		0.113	0.104	0.103	0.102	0.095	0.103	6.46
12) CM	1,1-Dichloroet...	0.545	0.567	0.523	0.509	0.519	0.502	0.528	4.60#
13) T	Acrolein		0.108	0.107	0.101	0.103	0.089	0.102	7.36
14) T	Allyl chloride	0.700	0.743	0.766	0.681	0.701	0.734	0.721	4.45
15) T	Acrylonitrile	0.252	0.272	0.272	0.261	0.263	0.246	0.261	3.96
16) T	Acetone	0.237	0.224	0.207	0.200	0.198	0.187	0.209	8.84
17) T	Carbon Disulfide	1.810	1.615	1.438	1.443	1.440	1.407	1.526	10.34
18) T	Methyl Acetate	1.015	0.933	0.866	0.829	0.865	0.796	0.884	8.90
19) T	Methyl tert-bu...	1.701	1.781	1.788	1.704	1.768	1.689	1.738	2.59
20) T	Methylene Chlo...	0.941	0.676	0.625	0.603	0.615	0.585	0.674	19.95
21) T	trans-1,2-Dich...	0.610	0.631	0.591	0.581	0.592	0.562	0.595	4.00
22) T	Diisopropyl ether	1.472	1.652	1.676	1.613	1.653	1.620	1.614	4.57
23) T	Vinyl Acetate	0.878	1.023	1.089	1.039	1.081	1.048	1.026	7.49
24) P	1,1-Dichloroet...	1.144	1.156	1.062	1.056	1.076	1.032	1.088	4.63
25) T	2-Butanone	0.332	0.329	0.341	0.326	0.330	0.314	0.329	2.71
26) T	2,2-Dichloropr...	0.964	0.917	0.896	0.835	0.885	0.839	0.890	5.49
27) T	cis-1,2-Dichlo...	0.678	0.711	0.696	0.681	0.688	0.673	0.688	2.02
28) T	Bromochloromet...	0.567	0.492	0.504	0.504	0.513	0.493	0.512	5.49
29) T	Tetrahydrofuran	0.214	0.218	0.224	0.210	0.221	0.206	0.216	3.15
30) C	Chloroform	1.122	1.157	1.155	1.118	1.146	1.098	1.132	2.10#
31) T	Cyclohexane		1.117	0.882	0.876	0.830	0.825	0.906	13.34
32) T	1,1,1-Trichlor...	0.948	1.058	1.043	1.017	1.033	0.993	1.015	3.93
33) S	1,2-Dichloroet...		0.706	0.657	0.675	0.662	0.652	0.670	3.25
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.351	0.330	0.347	0.331	0.338	0.339	2.83
36) T	1,1-Dichloropr...	0.515	0.482	0.492	0.479	0.477	0.495	0.490	2.86
37) T	Ethyl Acetate	0.394	0.393	0.427	0.425	0.409	0.403	0.409	3.62
38) T	Carbon Tetrach...	0.539	0.518	0.545	0.531	0.526	0.537	0.533	1.83
39) T	Methylcyclohexane	0.455	0.423	0.453	0.442	0.446	0.464	0.447	3.13
40) TM	Benzene	1.420	1.450	1.478	1.463	1.443	1.458	1.452	1.37
41) T	Methacrylonitrile	0.197	0.229	0.210	0.202	0.205	0.207	0.208	5.29
42) TM	1,2-Dichloroet...	0.522	0.497	0.487	0.497	0.475	0.485	0.494	3.27
43) T	Isopropyl Acetate	0.564	0.706	0.709	0.703	0.675	0.679	0.673	8.20
44) TM	Trichloroethene	0.458	0.373	0.387	0.376	0.371	0.382	0.391	8.53
45) C	1,2-Dichloropr...	0.367	0.367	0.368	0.374	0.358	0.372	0.368	1.48#
46) T	Dibromomethane	0.244	0.263	0.266	0.261	0.260	0.259	0.259	2.99
47) T	Bromodichlorom...	0.518	0.503	0.522	0.526	0.518	0.526	0.519	1.69
48) T	Methyl methacr...	0.286	0.309	0.323	0.312	0.320	0.319	0.312	4.38
49) T	1,4-Dioxane	0.007	0.006	0.007	0.007	0.007	0.007	0.007	4.41
50) S	Toluene-d8		1.313	1.247	1.281	1.251	1.319	1.282	2.61
51) T	4-Methyl-2-Pen...	0.346	0.388	0.427	0.420	0.410	0.410	0.400	7.41
52) CM	Toluene	0.885	0.869	0.936	0.878	0.902	0.930	0.900	3.09#
53) T	t-1,3-Dichloro...	0.476	0.513	0.557	0.531	0.543	0.570	0.532	6.34
54) T	cis-1,3-Dichlo...	0.467	0.551	0.601	0.578	0.591	0.611	0.567	9.35
55) T	1,1,2-Trichlor...	0.353	0.348	0.360	0.359	0.351	0.356	0.355	1.34
56) T	Ethyl methacry...	0.432	0.441	0.523	0.503	0.527	0.548	0.496	9.72

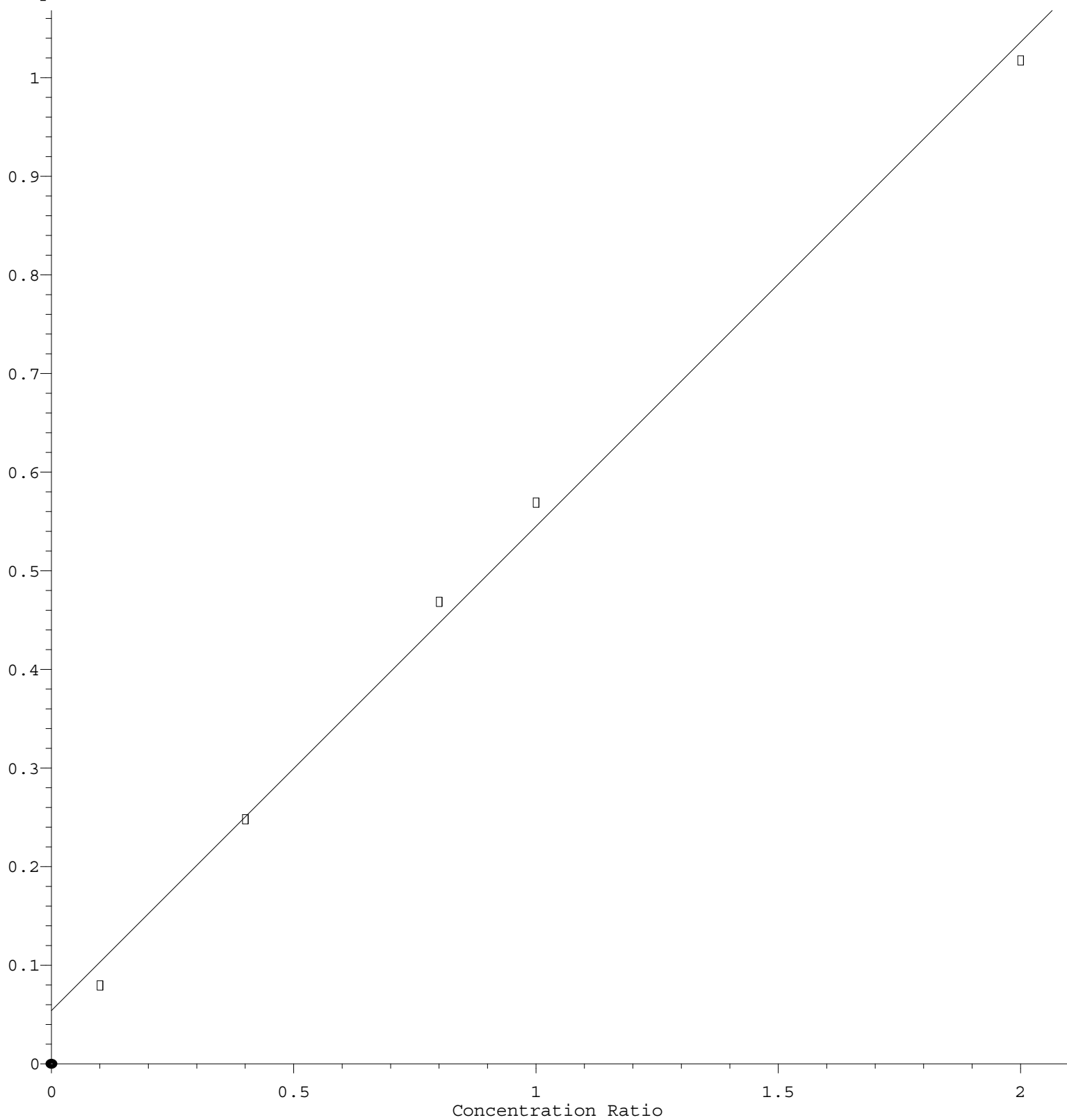
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57)	T	1,3-Dichloropr...	0.598	0.595	0.608	0.613	0.601	0.601	0.603	1.09
58)	T	2-Chloroethyl ...	0.148	0.177	0.186	0.171	0.185	0.192	0.177	8.97
59)	T	2-Hexanone	0.237	0.282	0.306	0.291	0.298	0.293	0.284	8.65
60)	T	Dibromochlorom...	0.360	0.377	0.406	0.393	0.401	0.412	0.391	5.02
61)	T	1,2-Dibromoethane	0.335	0.368	0.381	0.366	0.368	0.373	0.365	4.28
62)	S	4-Bromofluorob...		0.368	0.392	0.388	0.397	0.430	0.395	5.74
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.340	0.391	0.389	0.396	0.373	0.366	0.376	5.55
65)	PM	Chlorobenzene	1.142	1.139	1.124	1.112	1.095	1.094	1.118	1.86
66)	T	1,1,1,2-Tetrac...	0.436	0.432	0.435	0.429	0.428	0.419	0.430	1.40
67)	C	Ethyl Benzene	1.662	1.860	1.965	1.929	1.945	1.974	1.889	6.28#
68)	T	m/p-Xylenes	0.536	0.704	0.745	0.721	0.737	0.747	0.698	11.66
69)	T	o-Xylene	0.654	0.686	0.725	0.713	0.718	0.736	0.705	4.28
70)	T	Styrene	0.867	1.056	1.190	1.117	1.170	1.222	1.104	11.76
71)	P	Bromoform	0.236	0.297	0.311	0.294	0.306	0.304	0.291	9.51
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	5.138	5.480	4.344	4.665	4.339	4.223	4.698	10.79
74)	T	N-amyl acetate	1.695	1.919	1.527	1.611	1.523	1.439	1.619	10.56
75)	P	1,1,2,2-Tetrac...	2.152	1.856	1.396	1.498	1.370	1.245	1.586	21.84
76)	T	1,2,3-Trichlor...	1.222	1.517	1.143	1.230	1.114	1.025	1.209	13.98
77)	T	Bromobenzene	1.475	1.272	1.054	1.089	1.035	0.998	1.154	15.97
78)	T	n-propylbenzene	5.076	5.527	4.885	5.017	4.824	4.818	5.024	5.32
79)	T	2-Chlorotoluene	3.915	3.547	3.048	3.283	3.017	2.937	3.291	11.49
80)	T	1,3,5-Trimethy...	3.941	4.124	3.562	3.773	3.486	3.386	3.712	7.67
81)	T	trans-1,4-Dich...		0.578	0.428	0.436	0.430	0.428	0.460	14.41
82)	T	4-Chlorotoluene	3.185	3.518	2.925	3.010	2.889	2.894	3.070	8.00
83)	T	tert-Butylbenzene	3.415	3.620	2.931	3.159	2.928	2.856	3.152	9.78
84)	T	1,2,4-Trimethy...	3.560	4.067	3.566	3.649	3.440	3.353	3.606	6.91
85)	T	sec-Butylbenzene	4.191	4.614	3.741	3.923	3.733	3.700	3.984	9.02
86)	T	p-Isopropyltol...	3.159	3.565	3.135	3.204	3.079	3.051	3.199	5.86
87)	T	1,3-Dichlorobe...	1.855	1.968	1.758	1.767	1.746	1.729	1.804	5.07
88)	T	1,4-Dichlorobe...	2.064	1.939	1.710	1.775	1.723	1.688	1.817	8.34
89)	T	n-Butylbenzene	1.906	2.555	2.343	2.296	2.322	2.310	2.289	9.20
90)	T	Hexachloroethane	0.952	0.746	0.586	0.606	0.580	0.585	0.676	22.10
91)	T	1,2-Dichlorobe...	1.849	1.985	1.730	1.808	1.724	1.673	1.795	6.26
92)	T	1,2-Dibromo-3-...	0.365	0.277	0.236	0.246	0.227	0.218	0.262	20.82
93)	T	1,2,4-Trichlor...	0.545	0.512	0.586	0.555	0.609	0.630	0.573	7.63
94)	T	Hexachlorobuta...	0.498	0.491	0.309	0.353	0.322	0.276	0.375	25.64
95)	T	Naphthalene	2.178	1.784	1.938	1.800	1.984	2.067	1.958	7.80
96)	T	1,2,3-Trichlor...	0.694	0.627	0.658	0.646	0.660	0.668	0.659	3.40

(#) = Out of Range

Bromomethane

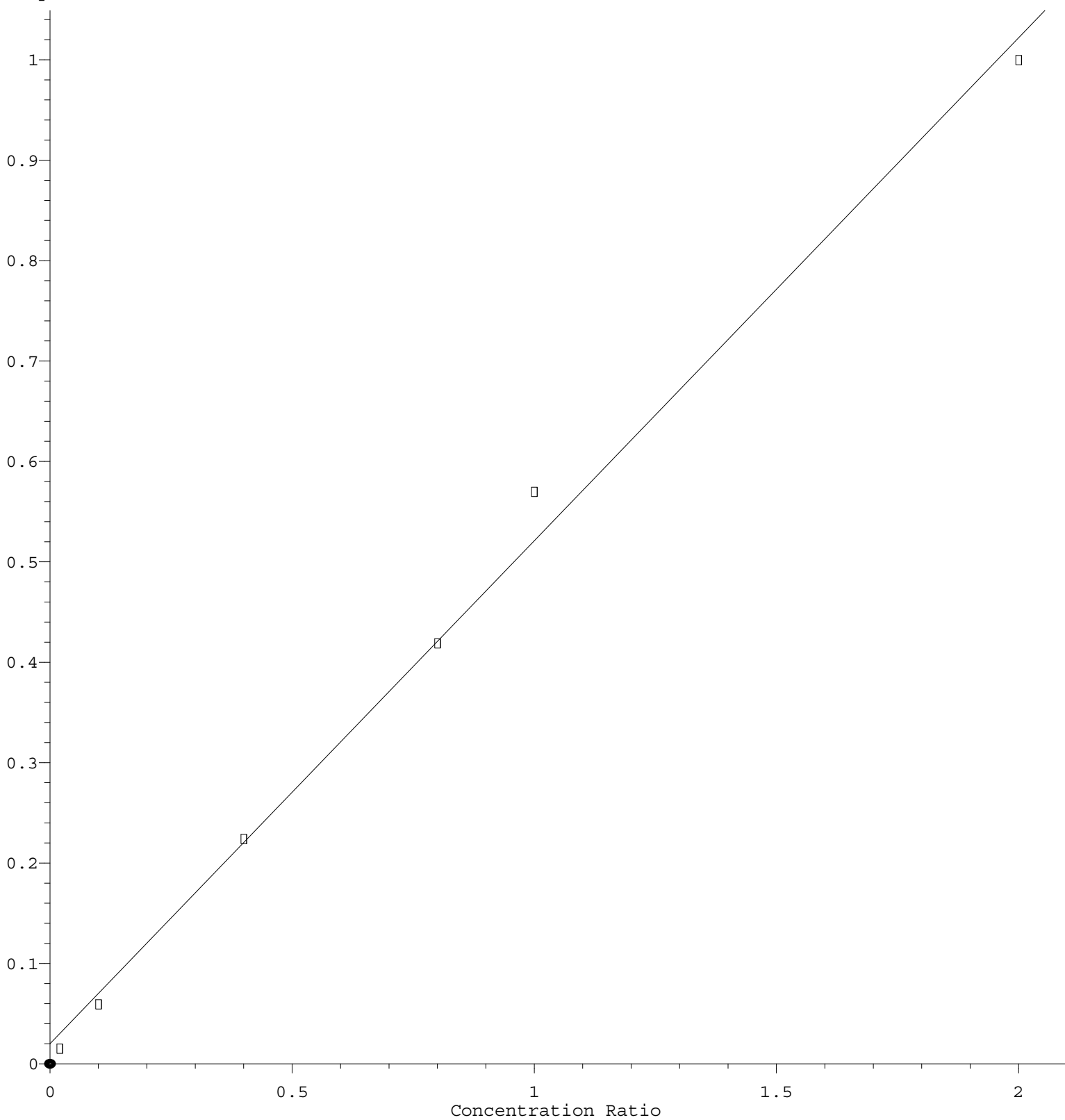
Response Ratio



Response = 4.910e-001 * Amt + 5.421e-002
 Coef of Det (r^2) = 0.996171 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071023W.M
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Chloroethane

Response Ratio



$$\text{Response} = 5.014\text{e-}001 * \text{Amt} + 2.004\text{e-}002$$

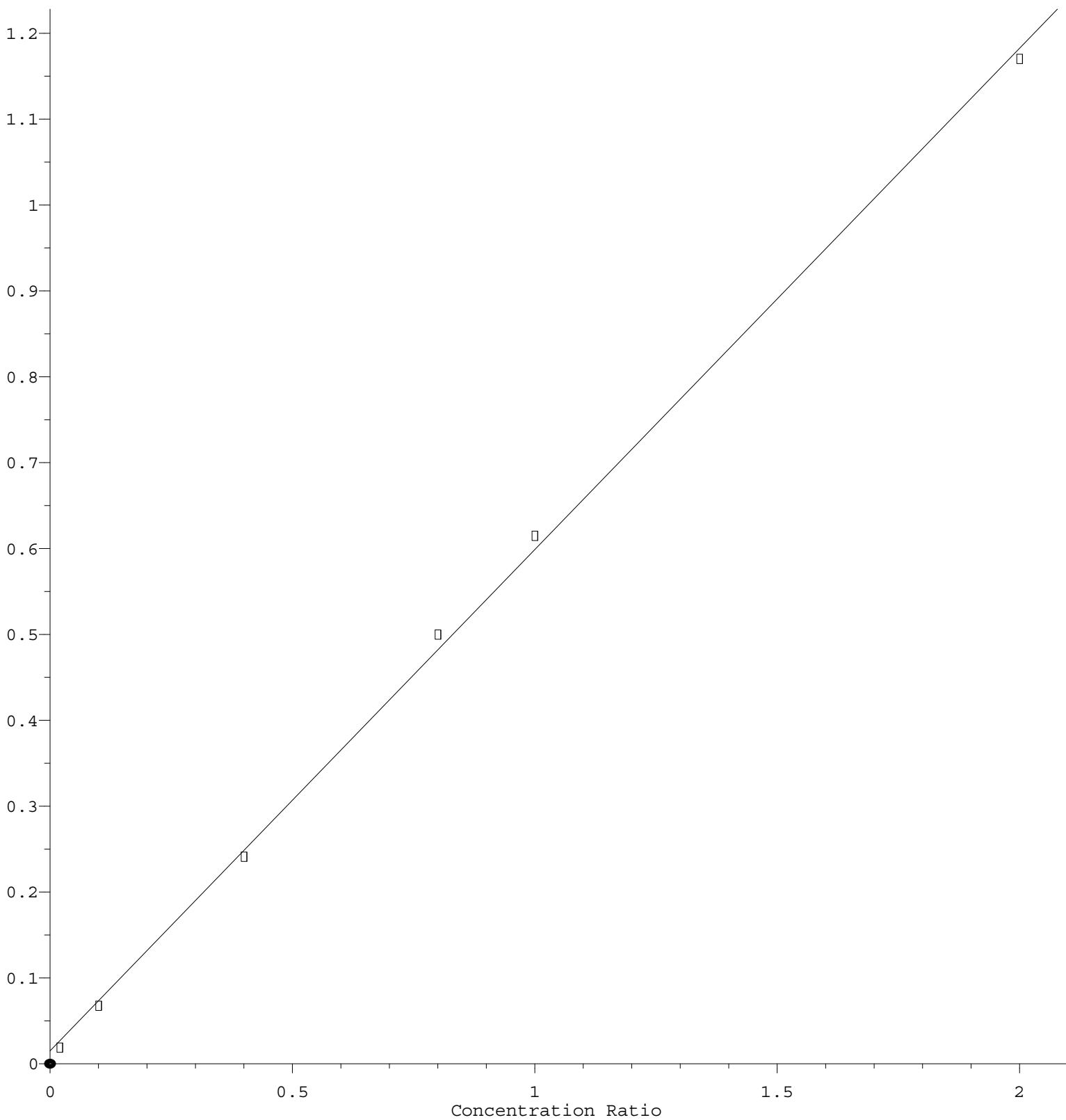
Coef of Det (r^2) = 0.995266 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071023W.M

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Methylene Chloride

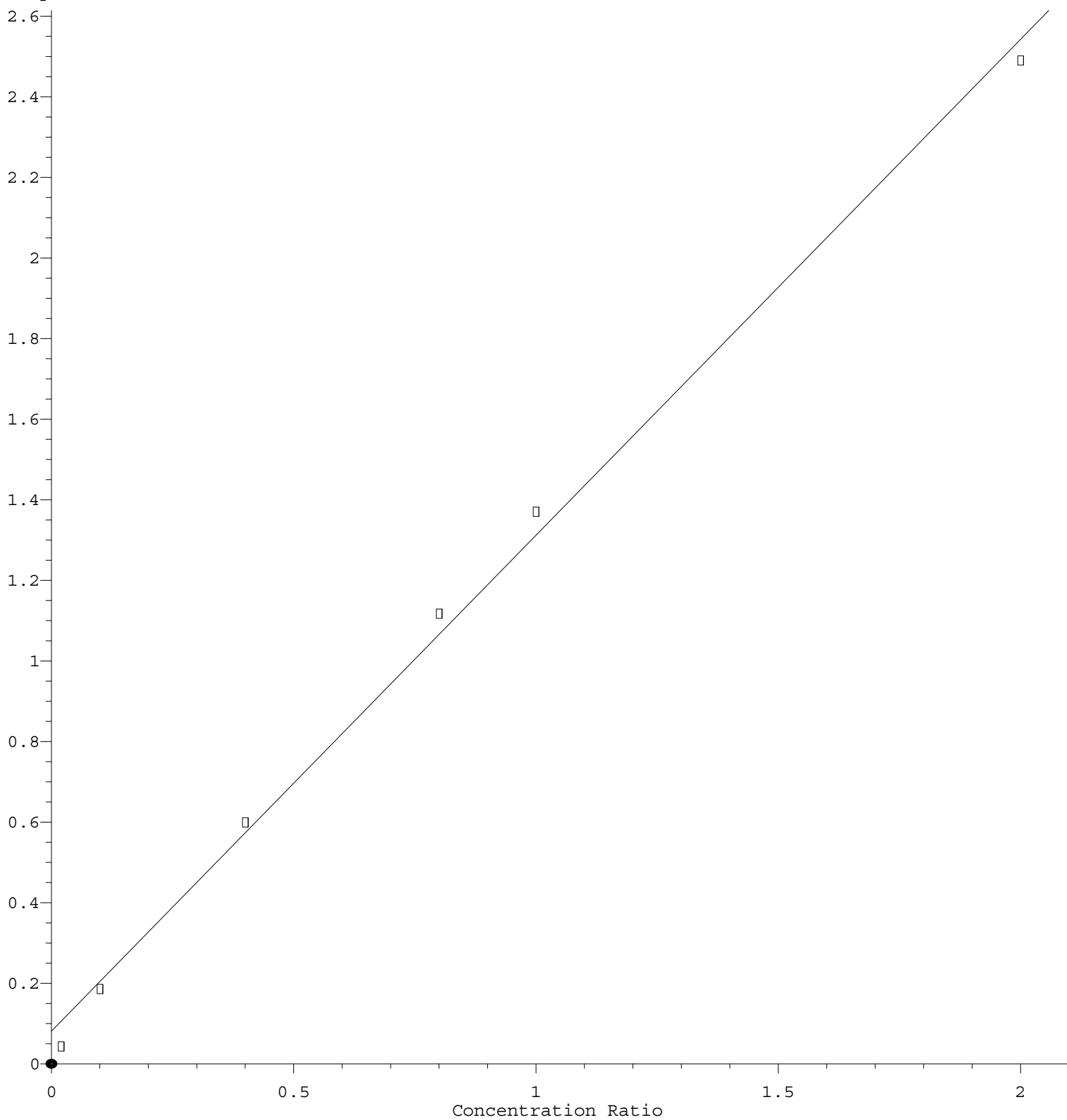
Response Ratio



Response = 5.843e-001 * Amt + 1.465e-002
 Coef of Det (r^2) = 0.999057 Curve Fit: Linear
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1,1,2,2-Tetrachloroethane

Response Ratio



$$\text{Response} = 1.231\text{e}+000 * \text{Amt} + 8.129\text{e}-002$$

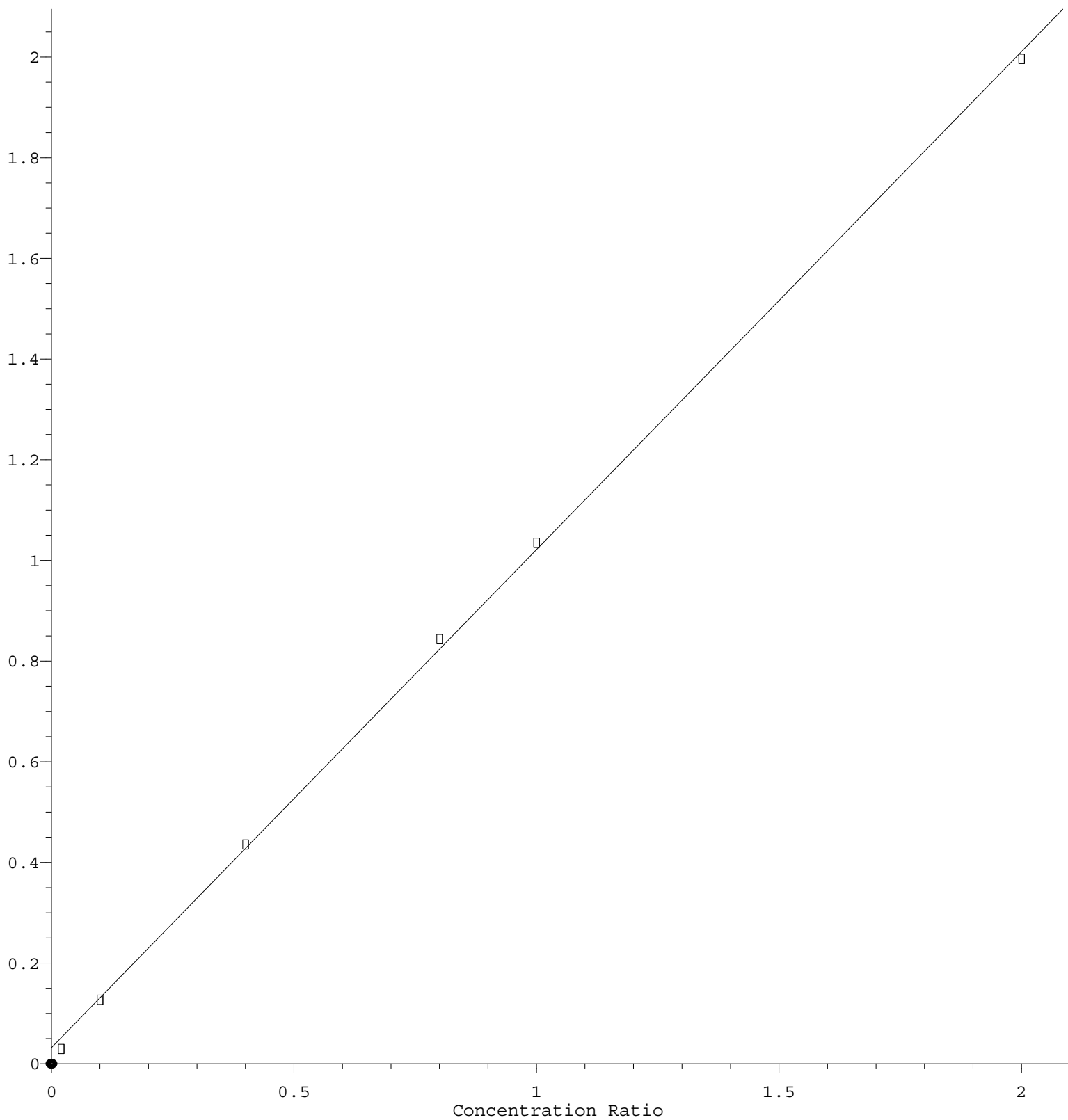
Coef of Det (r^2) = 0.996657 Curve Fit: Linear

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Bromobenzene

Response Ratio



$$\text{Response} = 9.901\text{e-}001 * \text{Amt} + 3.158\text{e-}002$$

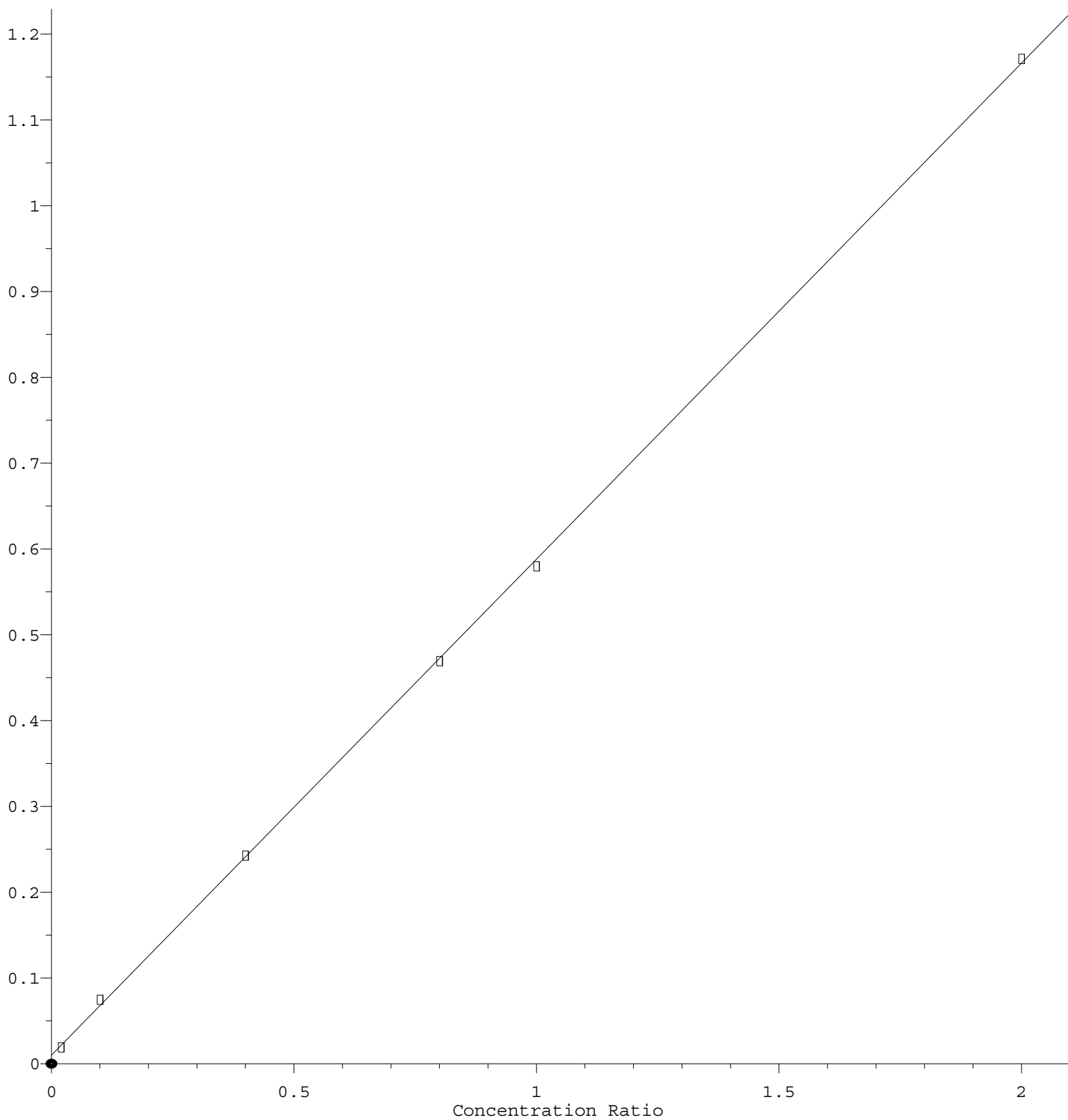
Coef of Det (r^2) = 0.999483 Curve Fit: Linear

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Hexachloroethane

Response Ratio



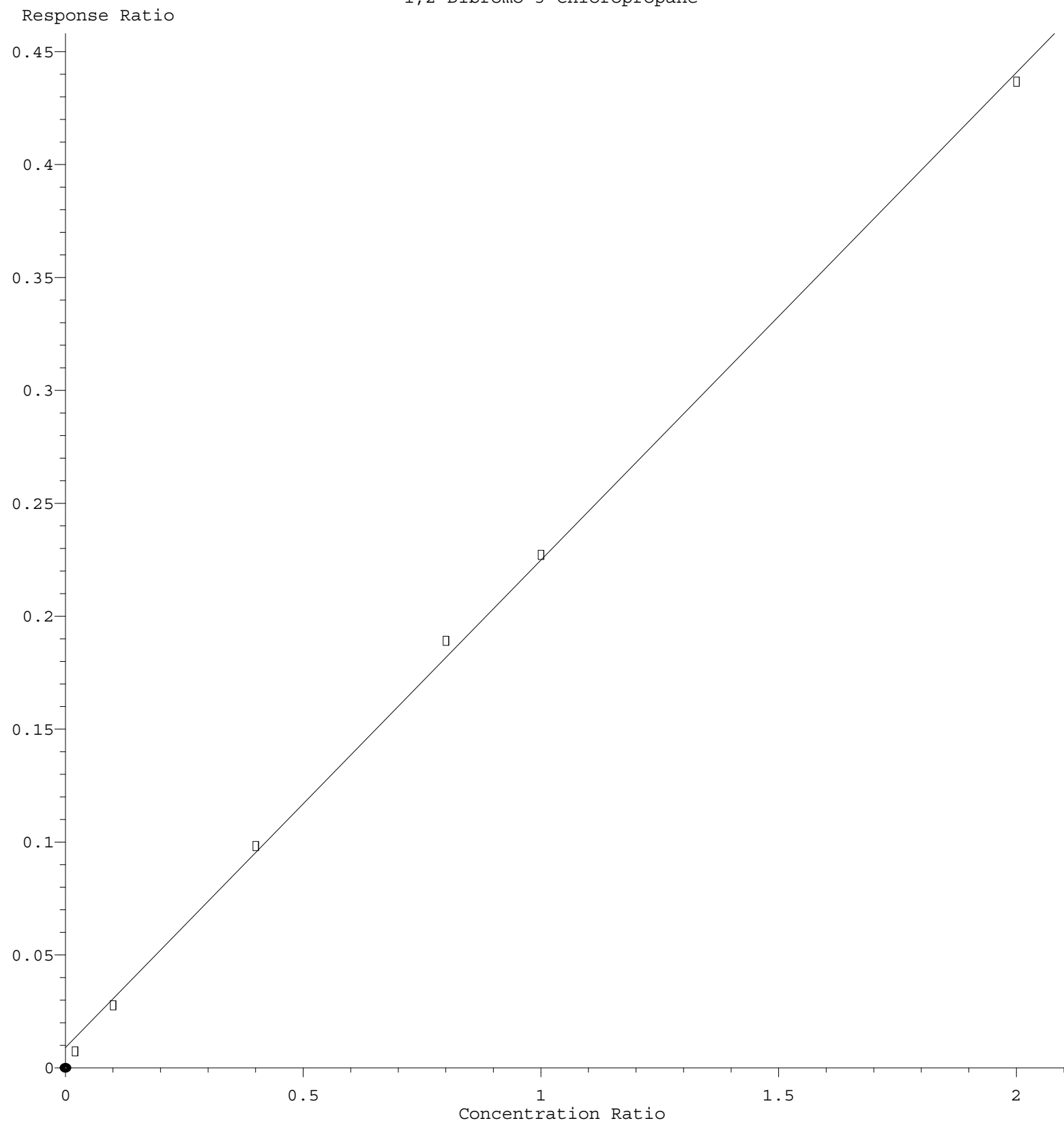
$$\text{Response} = 5.783\text{e-}001 * \text{Amt} + 9.595\text{e-}003$$

Coef of Det (r^2) = 0.999824 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071023W.M

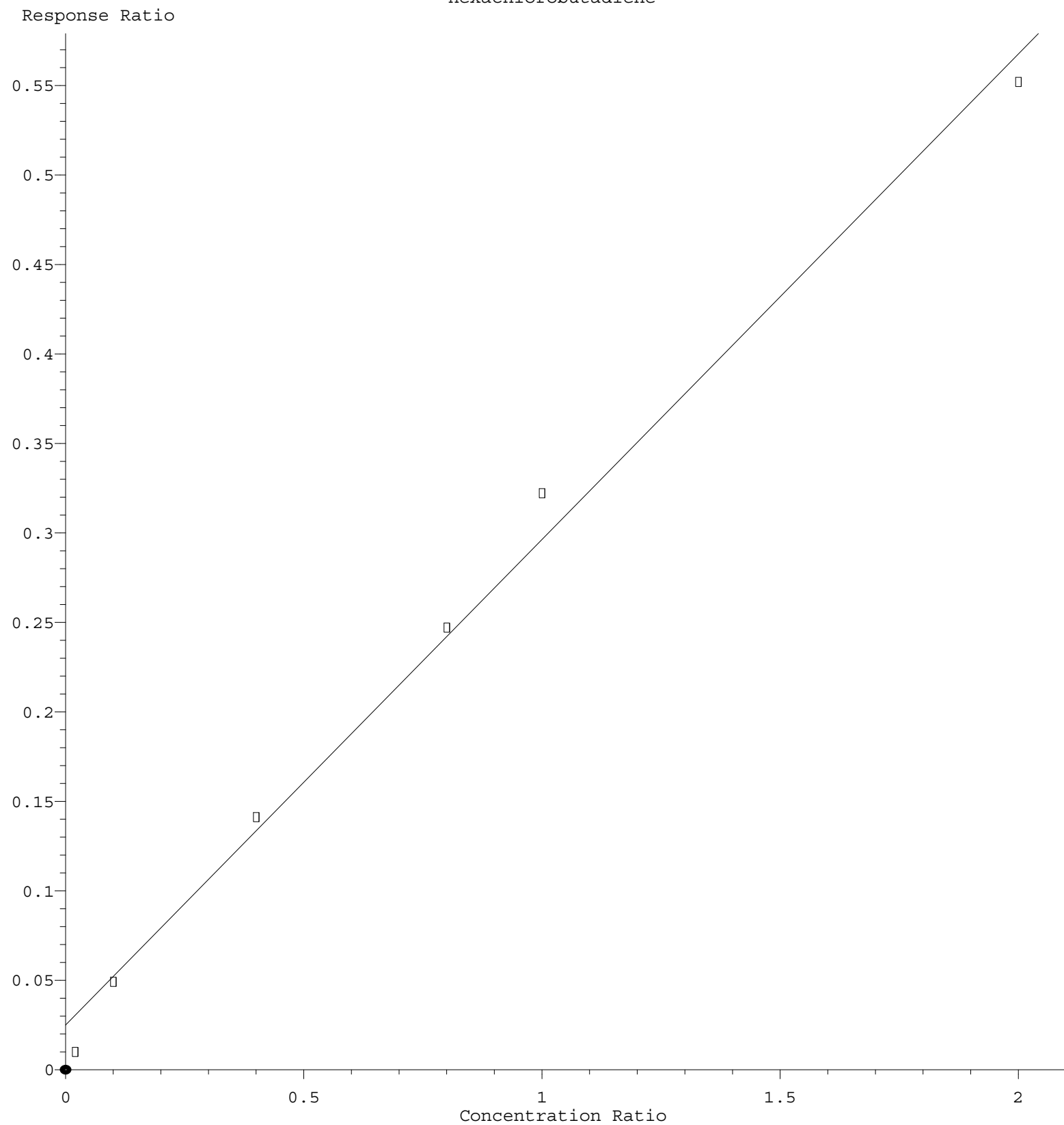
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1,2-Dibromo-3-Chloropropane



$\text{Response} = 2.163\text{e-}001 * \text{Amt} + 8.637\text{e-}003$
 Coef of Det (r^2) = 0.998980 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071023W.M
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Hexachlorobutadiene



Response = $2.718 \times 10^{-1} \times \text{Amt} + 2.453 \times 10^{-2}$
Coef of Det (r^2) = 0.992917 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071023W.M
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