

Method Path : Z:\voasrv\HPCHEM1\MSVOA_T\methods\
 Method File : 82T100325W.M
 Title : SW846 8260
 Last Update : Sat Oct 04 01:46:12 2025
 Response Via : Initial Calibration

Calibration Files

1 =VT019146.D 5 =VT019147.D 10 =VT019148.D 20 =VT019149.D 50 =VT019150.D 100 =VT019151.D

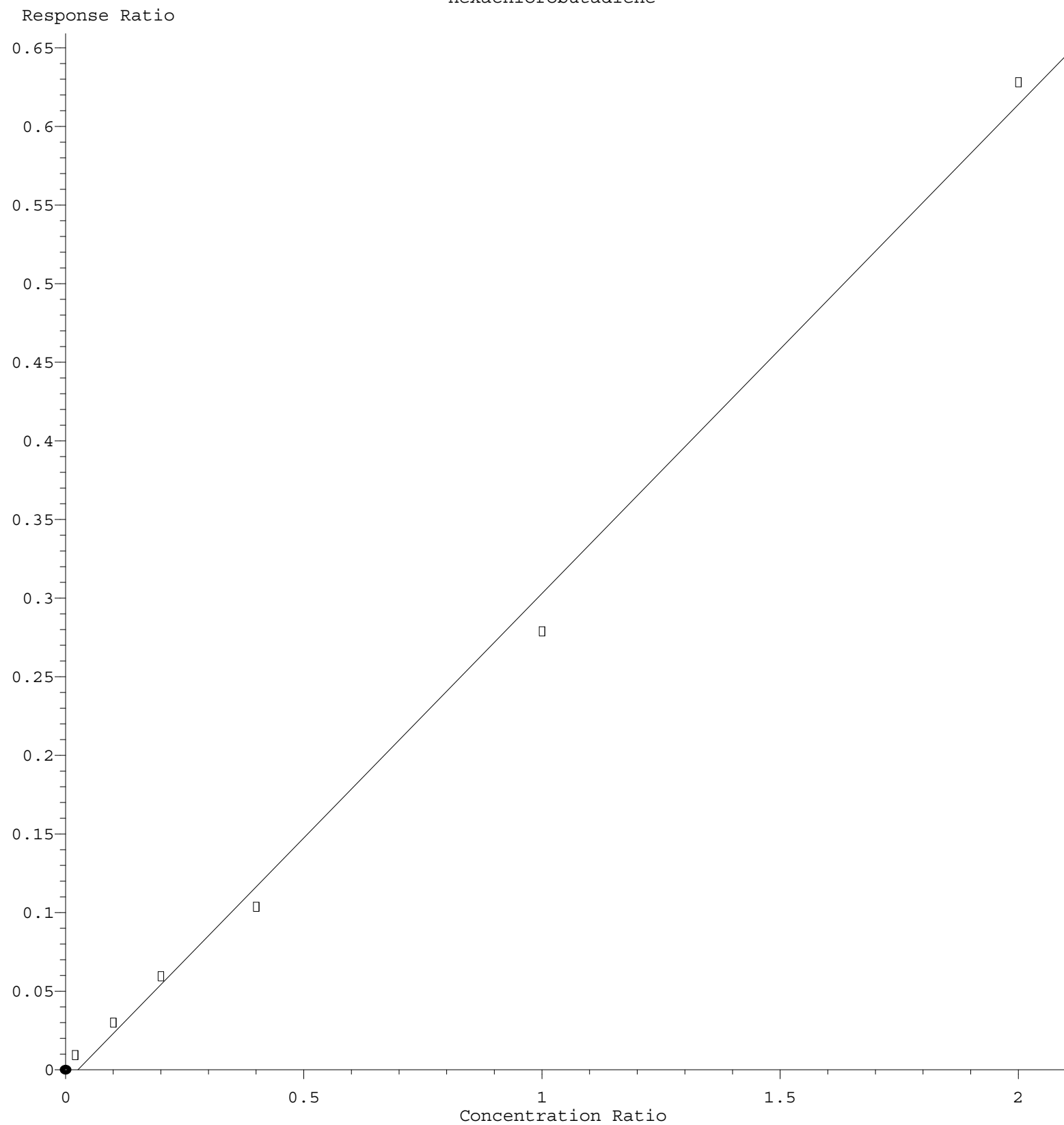
	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.357	0.285	0.307	0.351	0.323	0.350	0.329	8.76
3) P	Chloromethane	0.731	0.693	0.735	0.619	0.621	0.618	0.669	8.50
4) C	Vinyl Chloride	0.477	0.491	0.494	0.483	0.480	0.468	0.482	1.94#
5) T	Bromomethane		0.149	0.124	0.301	0.151	0.088	0.163	50.25
6) T	Chloroethane	0.372	0.297	0.280	0.347	0.270	0.170	0.289	24.33
7) T	Trichlorofluor...	0.769	0.608	0.584	0.627	0.583	0.582	0.625	11.59
8) T	Diethyl Ether	0.364	0.462	0.457	0.431	0.448	0.441	0.434	8.25
9) T	1,1,2-Trichlor...	0.506	0.399	0.390	0.387	0.356	0.390	0.405	12.80
10) T	Methyl Iodide		0.467	0.583	0.673	0.768	0.748	0.648	19.22
11) T	Tert butyl alc...		0.258	0.269	0.251	0.274	0.232	0.257	6.43
12) CM	1,1-Dichloroet...	0.498	0.481	0.477	0.472	0.465	0.472	0.477	2.43#
13) T	Acrolein		0.091	0.099	0.022	0.022	0.019	0.051	80.28
14) T	Allyl chloride	1.516	1.515	1.478	1.489	1.510	1.380	1.481	3.50
15) T	Acrylonitrile	0.526	0.643	0.661	0.606	0.643	0.535	0.602	9.66
16) T	Acetone	0.899	0.807	0.759	0.632	0.638	0.517	0.709	19.56
17) T	Carbon Disulfide	1.733	1.231	1.138	1.139	1.159	1.114	1.252	19.06
18) T	Methyl Acetate	1.325	1.581	1.604	1.846	1.831	1.573	1.627	11.87
19) T	Methyl tert-bu...	2.441	2.929	3.037	2.959	2.982	2.641	2.832	8.35
20) T	Methylene Chlo...	1.405	1.005	0.917	0.837	0.809	0.716	0.948	25.78
21) T	trans-1,2-Dich...	0.622	0.605	0.595	0.571	0.579	0.544	0.586	4.72
22) T	Diisopropyl ether	2.671	3.214	3.260	3.168	3.180	2.830	3.054	7.94
23) T	Vinyl Acetate	2.012	2.613	2.732	2.549	2.611	2.126	2.440	12.13
24) P	1,1-Dichloroet...	1.241	1.417	1.389	1.386	1.401	1.306	1.357	5.04
25) T	2-Butanone	0.920	0.998	1.010	0.894	0.936	0.764	0.920	9.66
26) T	2,2-Dichloropr...	0.987	0.982	0.962	0.992	0.996	0.952	0.979	1.79
27) T	cis-1,2-Dichlo...	0.695	0.831	0.818	0.792	0.825	0.757	0.787	6.63
28) T	Bromochloromet...	0.442	0.514	0.521	0.770	0.754	0.696	0.616	22.84
29) T	Tetrahydrofuran	0.498	0.609	0.632	0.589	0.625	0.520	0.579	9.78
30) C	Chloroform	1.131	1.316	1.332	1.303	1.314	1.208	1.267	6.32#
31) T	Cyclohexane		0.985	0.850	0.806	0.758	0.791	0.838	10.59
32) T	1,1,1-Trichlor...	0.870	0.907	0.892	0.891	0.914	0.910	0.897	1.83
33) S	1,2-Dichloroet...		0.656	0.664	0.666	0.670	0.605	0.652	4.15
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.268	0.274	0.260	0.266	0.261	0.266	2.15
36) T	1,1-Dichloropr...	0.495	0.402	0.384	0.375	0.374	0.399	0.405	11.33
37) T	Ethyl Acetate	0.929	0.951	1.014	0.923	0.981	0.904	0.950	4.30
38) T	Carbon Tetrach...	0.300	0.268	0.277	0.297	0.312	0.360	0.302	10.80
39) T	Methylcyclohexane	0.493	0.317	0.325	0.320	0.319	0.371	0.357	19.46
40) TM	Benzene	1.475	1.437	1.495	1.448	1.479	1.490	1.471	1.58
41) T	Methacrylonitrile	0.482	0.434	0.474	0.417	0.440	0.400	0.441	7.18
42) TM	1,2-Dichloroet...	0.587	0.607	0.630	0.610	0.612	0.591	0.606	2.56
43) T	Isopropyl Acetate	1.224	1.303	1.384	1.318	1.400	1.319	1.325	4.75
44) TM	Trichloroethene	0.339	0.296	0.296	0.280	0.284	0.296	0.299	7.07
45) C	1,2-Dichloropr...	0.346	0.355	0.376	0.362	0.370	0.366	0.363	2.91#
46) T	Dibromomethane	0.230	0.238	0.249	0.245	0.256	0.254	0.245	4.04
47) T	Bromodichlorom...	0.420	0.439	0.465	0.466	0.501	0.509	0.467	7.36
48) T	Methyl methacr...	0.549	0.601	0.621	0.613	0.658	0.644	0.614	6.21
49) T	1,4-Dioxane	0.011	0.011	0.012	0.010	0.012	0.011	0.011	5.38
50) S	Toluene-d8		0.687	0.665	0.677	0.686	0.695	0.682	1.67
51) T	4-Methyl-2-Pen...	0.740	0.775	0.830	0.777	0.821	0.708	0.775	6.01
52) CM	Toluene	0.877	0.816	0.833	0.803	0.811	0.837	0.829	3.22#
53) T	t-1,3-Dichloro...	0.494	0.492	0.516	0.521	0.560	0.564	0.525	5.95
54) T	cis-1,3-Dichlo...	0.541	0.534	0.559	0.562	0.584	0.585	0.561	3.82
55) T	1,1,2-Trichlor...	0.318	0.330	0.356	0.336	0.339	0.329	0.335	3.77
56) T	Ethyl methacry...	0.505	0.588	0.659	0.643	0.676	0.679	0.625	10.81

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57)	T	1,3-Dichloropr...	0.572	0.596	0.630	0.603	0.619	0.601	0.604	3.33
58)	T	2-Chloroethyl ...	0.211	0.230	0.242	0.239	0.269	0.266	0.243	8.95
59)	T	2-Hexanone	0.598	0.588	0.630	0.574	0.612	0.552	0.592	4.68
60)	T	Dibromochlorom...	0.228	0.270	0.286	0.306	0.338	0.351	0.297	15.22
61)	T	1,2-Dibromoethane	0.319	0.315	0.346	0.330	0.340	0.331	0.330	3.62
62)	S	4-Bromofluorob...	0.396	0.395	0.326	0.335	0.333	0.357		9.82
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.345	0.273	0.267	0.258	0.252	0.272	0.278	12.15
65)	PM	Chlorobenzene	1.286	1.081	1.079	1.044	1.023	1.047	1.093	8.87
66)	T	1,1,1,2-Tetrac...	0.274	0.288	0.309	0.318	0.348	0.382	0.320	12.46
67)	C	Ethyl Benzene	2.023	1.766	1.752	1.679	1.695	1.804	1.787	6.99#
68)	T	m/p-Xylenes	0.781	0.670	0.684	0.656	0.654	0.723	0.695	7.10
69)	T	o-Xylene	0.791	0.687	0.688	0.675	0.685	0.747	0.712	6.50
70)	T	Styrene	1.267	1.200	1.236	1.182	1.212	1.271	1.228	2.96
71)	P	Bromoform	0.158	0.190	0.207	0.233	0.272	0.291	0.225	22.31
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.760	3.170	3.123	3.016	2.954	3.167	3.198	9.02
74)	T	N-amyl acetate	1.835	1.972	2.092	2.070	2.158	2.170	2.049	6.21
75)	P	1,1,2,2-Tetrac...	1.311	1.245	1.228	1.236	1.196	1.176	1.232	3.77
76)	T	1,2,3-Trichlor...	1.165	1.188	1.177	1.032	1.041	1.038	1.107	6.95
77)	T	Bromobenzene	1.088	0.891	0.889	0.866	0.857	0.897	0.915	9.44
78)	T	n-propylbenzene	4.430	3.721	3.624	3.449	3.392	3.578	3.699	10.21
79)	T	2-Chlorotoluene	2.923	2.480	2.437	2.308	2.263	2.350	2.460	9.78
80)	T	1,3,5-Trimethy...	3.143	2.778	2.732	2.597	2.570	2.723	2.757	7.46
81)	T	trans-1,4-Dich...	0.321	0.357	0.394	0.442	0.457	0.394		14.44
82)	T	4-Chlorotoluene	3.274	2.598	2.509	2.386	2.358	2.402	2.588	13.45
83)	T	tert-Butylbenzene	2.750	2.284	2.209	2.114	2.106	2.293	2.293	10.38
84)	T	1,2,4-Trimethy...	3.278	2.890	2.863	2.704	2.703	2.929	2.895	7.29
85)	T	sec-Butylbenzene	3.814	2.989	2.993	2.818	2.817	3.023	3.076	12.12
86)	T	p-Isopropyltol...	3.229	2.681	2.729	2.585	2.590	2.903	2.786	8.83
87)	T	1,3-Dichlorobe...	2.086	1.694	1.653	1.572	1.556	1.653	1.702	11.48
88)	T	1,4-Dichlorobe...	2.420	1.752	1.720	1.575	1.577	1.565	1.768	18.62
89)	T	n-Butylbenzene	2.957	2.228	2.194	2.057	2.118	2.307	2.310	14.21
90)	T	Hexachloroethane	0.242	0.223	0.240	0.276	0.334	0.406	0.287	24.57
91)	T	1,2-Dichlorobe...	1.822	1.639	1.621	1.560	1.517	1.518	1.613	7.11
92)	T	1,2-Dibromo-3-...	0.254	0.238	0.242	0.262	0.273	0.272	0.257	5.85
93)	T	1,2,4-Trichlor...	1.447	0.993	0.938	0.930	0.966	1.007	1.047	18.94
94)	T	Hexachlorobuta...	0.467	0.300	0.297	0.259	0.279	0.314	0.319	23.37
95)	T	Naphthalene	4.810	3.588	3.497	3.483	3.590	3.572	3.757	13.79
96)	T	1,2,3-Trichlor...	1.378	1.008	0.945	0.965	0.982	1.019	1.050	15.57

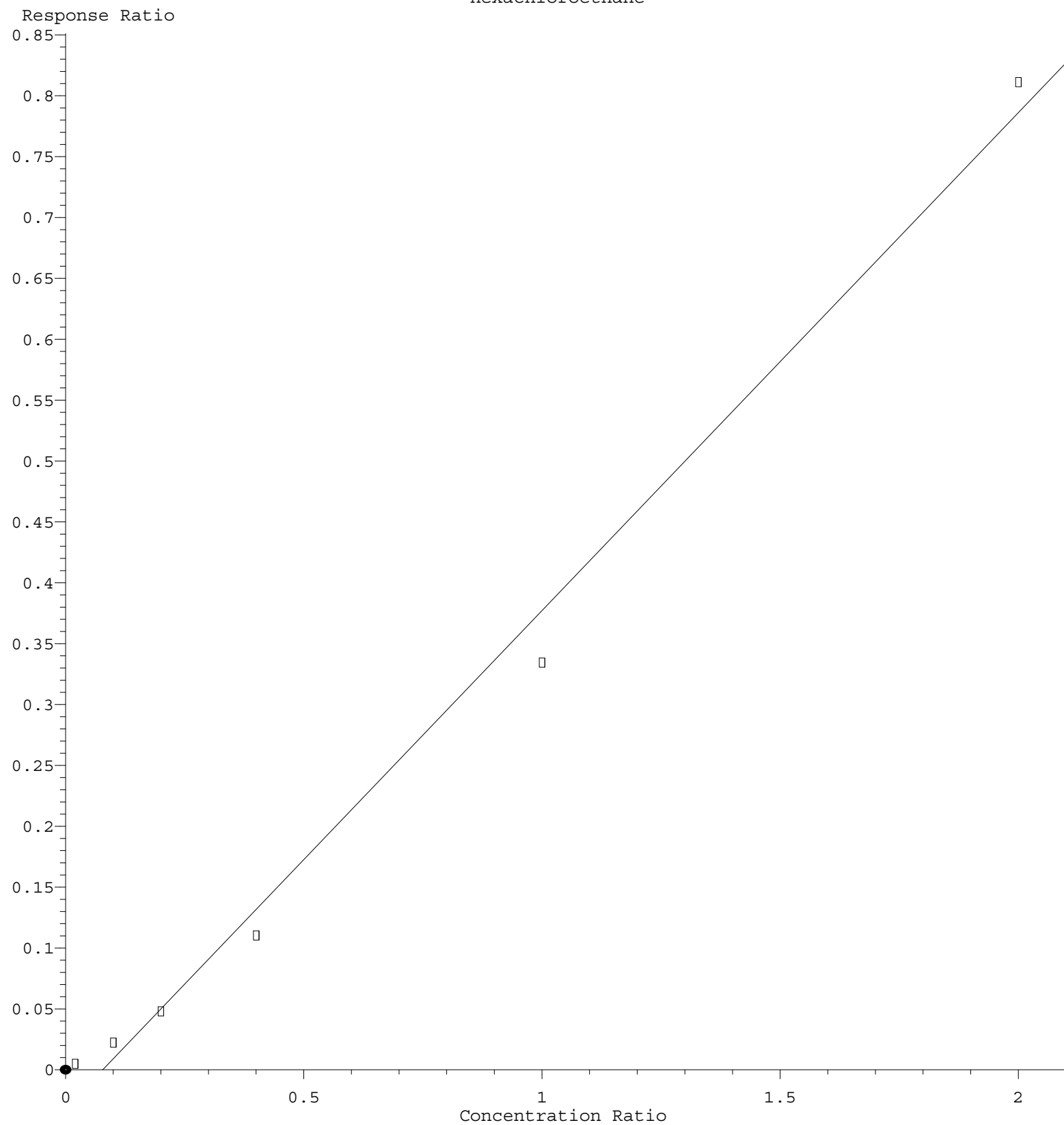
(#) = Out of Range

Hexachlorobutadiene



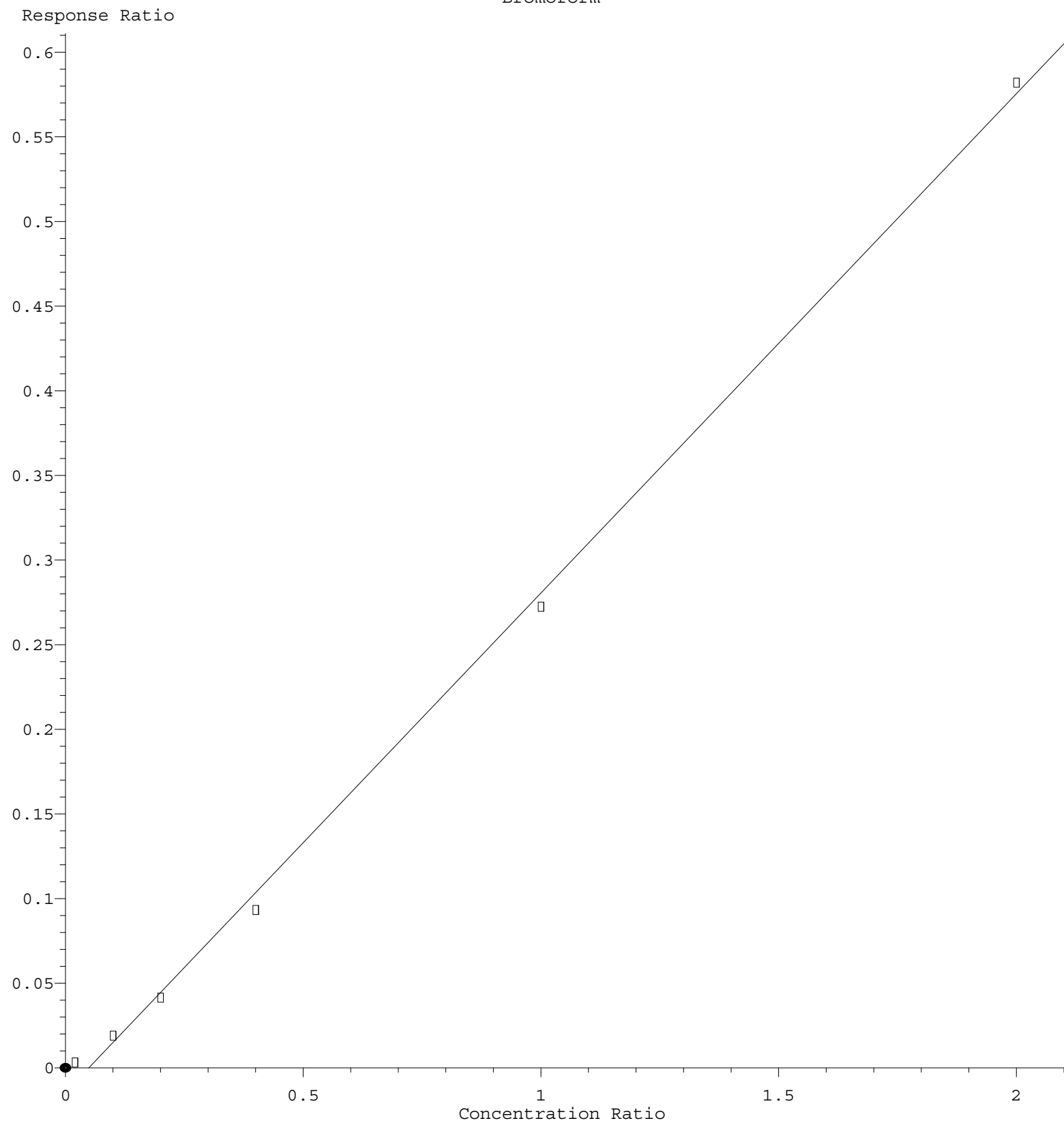
Response = $3.112 \times 10^{-1} \times \text{Amt} - 8.058 \times 10^{-3}$
Coef of Det (r^2) = 0.995956 Curve Fit: Linear
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Hexachloroethane



Response = $4.089\text{e-}001 \cdot \text{Amt} - 3.172\text{e-}002$
Coef of Det (r^2) = 0.992029 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA T\methods\82T100325W.M
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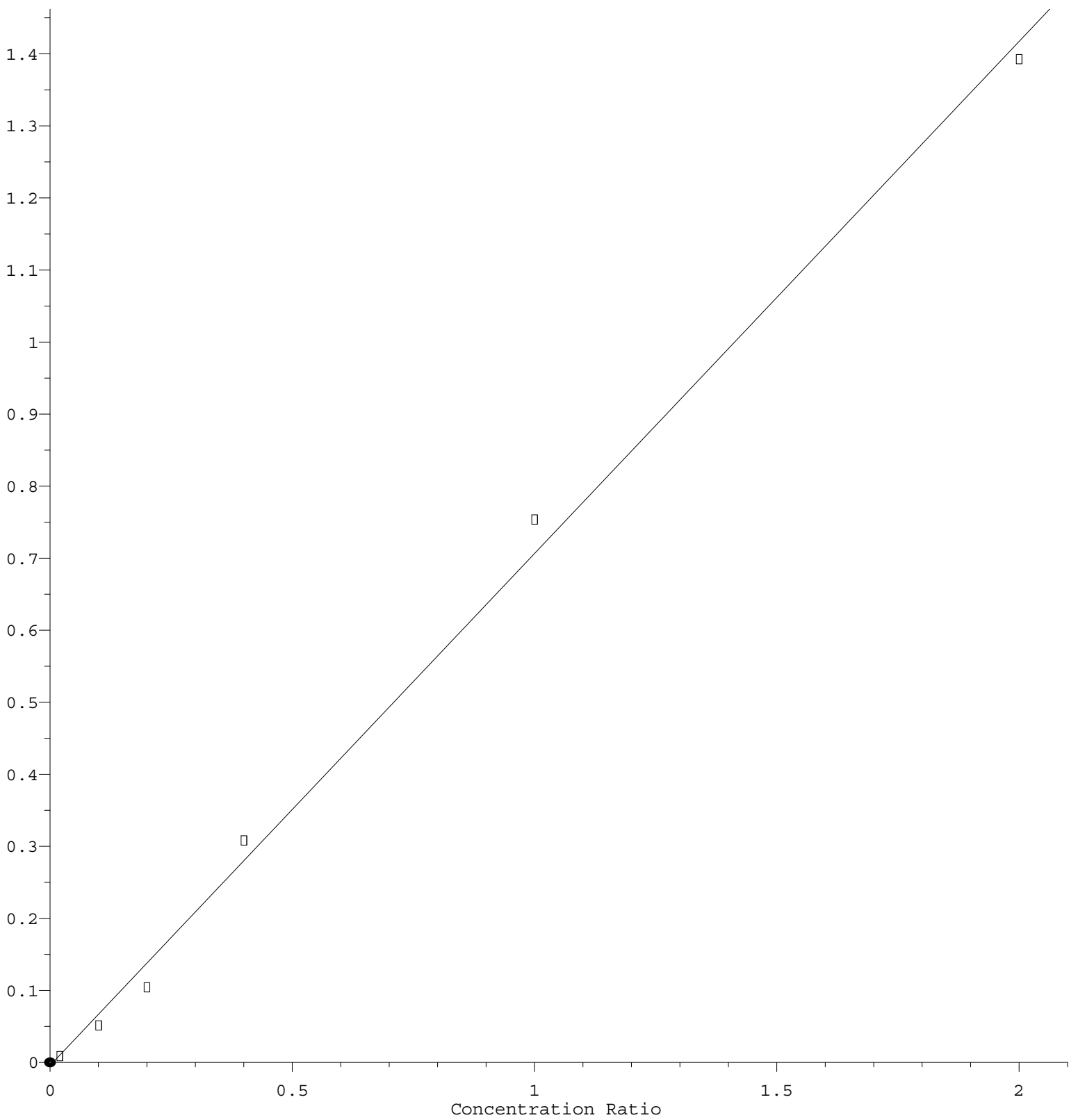
Bromoform



Response = 2.951e-001 * Amt - 1.440e-002
 Coef of Det (r^2) = 0.998510 Curve Fit: Linear
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Bromochloromethane

Response Ratio



$$\text{Response} = 7.109\text{e-}001 * \text{Amt} - 4.321\text{e-}003$$

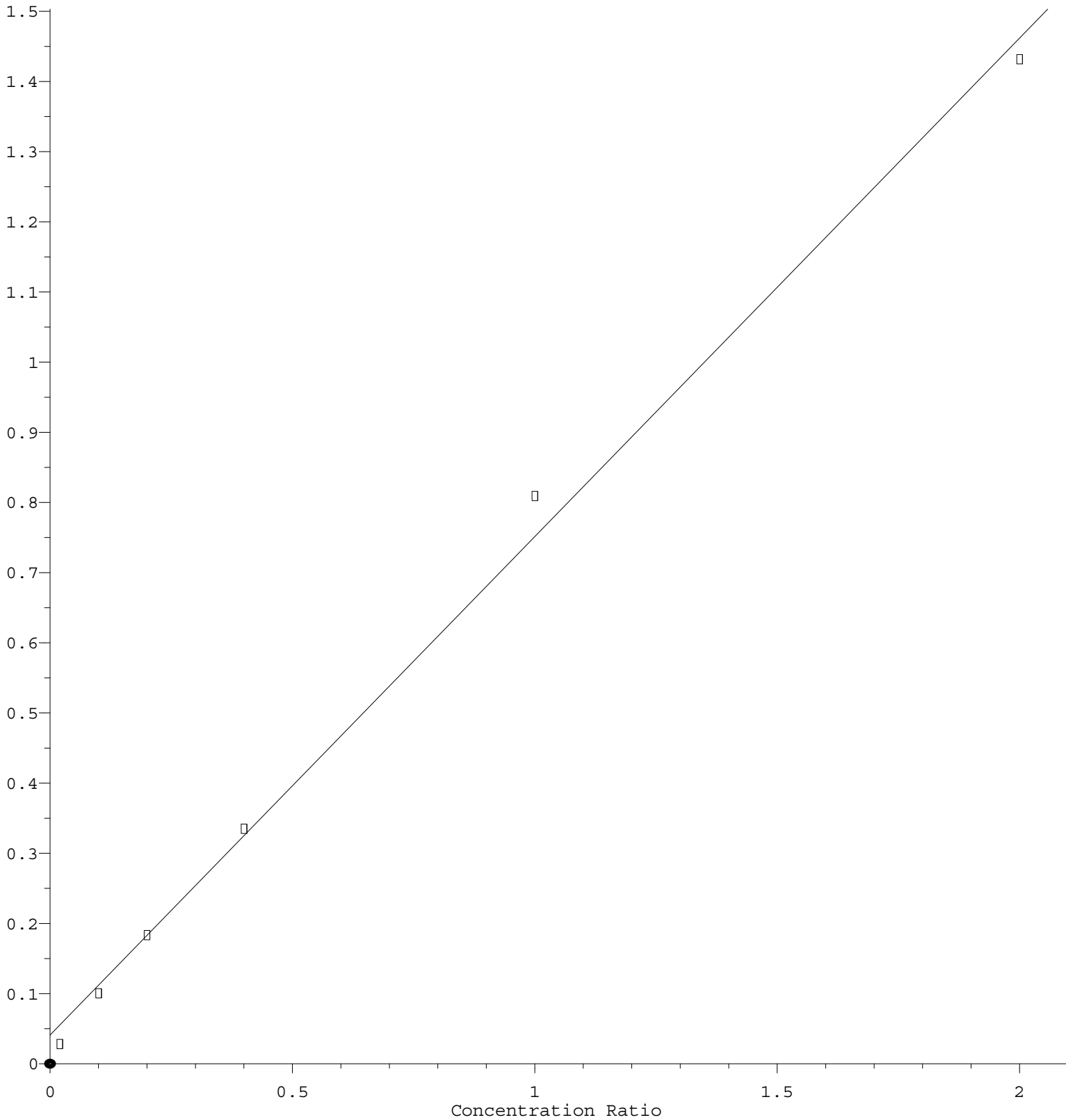
Coef of Det (r^2) = 0.996616 Curve Fit: Linear

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Methylene Chloride

Response Ratio



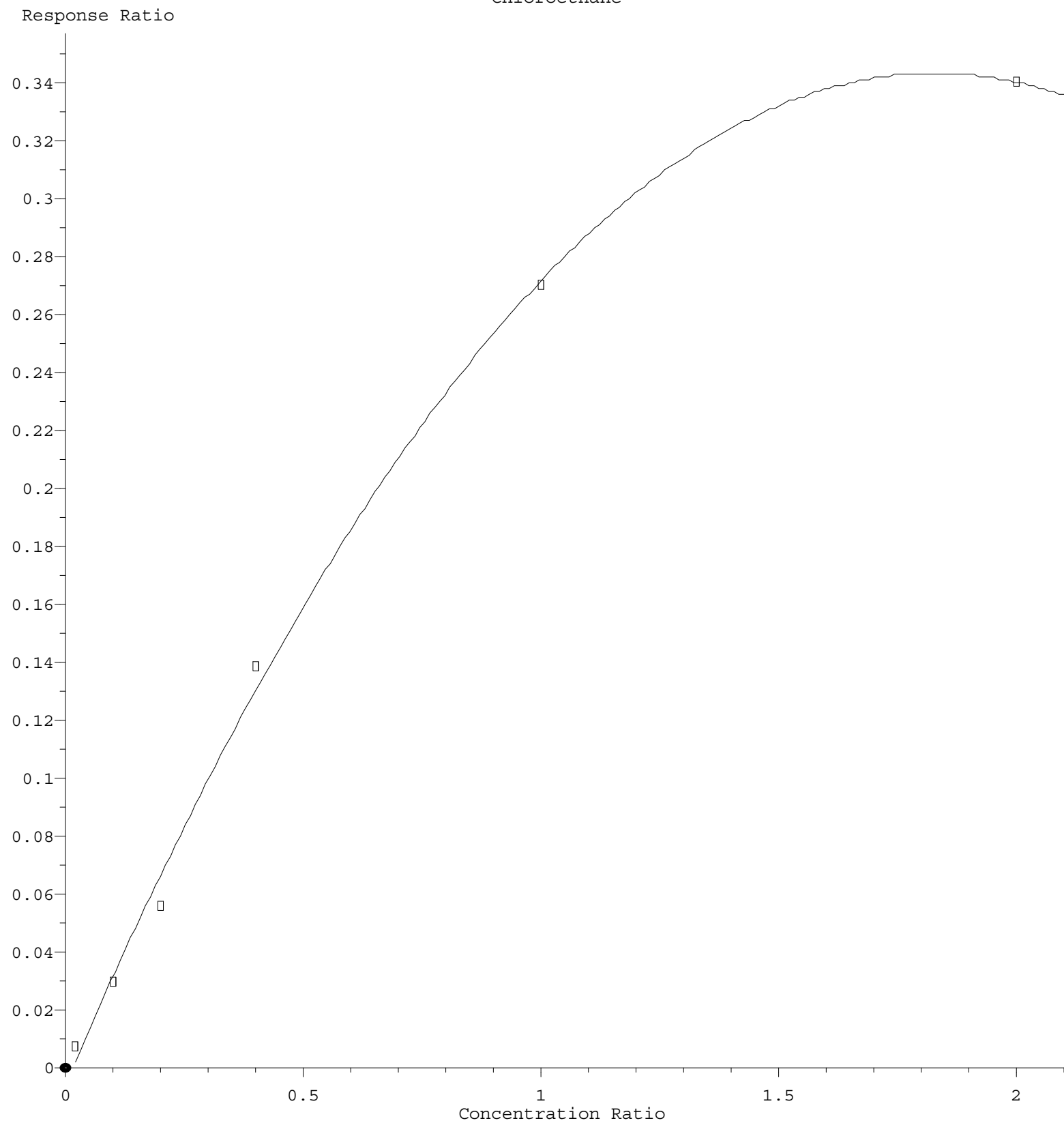
$$\text{Response} = 7.106\text{e-}001 * \text{Amt} + 4.075\text{e-}002$$

Coef of Det (r^2) = 0.996456 Curve Fit: Linear

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Chloroethane



$R = -1.043e-001 A^2 + 3.814e-001 A - 5.549e-003$
 Coef of Det (r^2) = 0.997697 Curve Fit: Quadratic
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