

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N021424W.M
 Title : SW846 8260
 Last Update : Thu Feb 15 07:59:19 2024
 Response Via : Initial Calibration

Calibration Files

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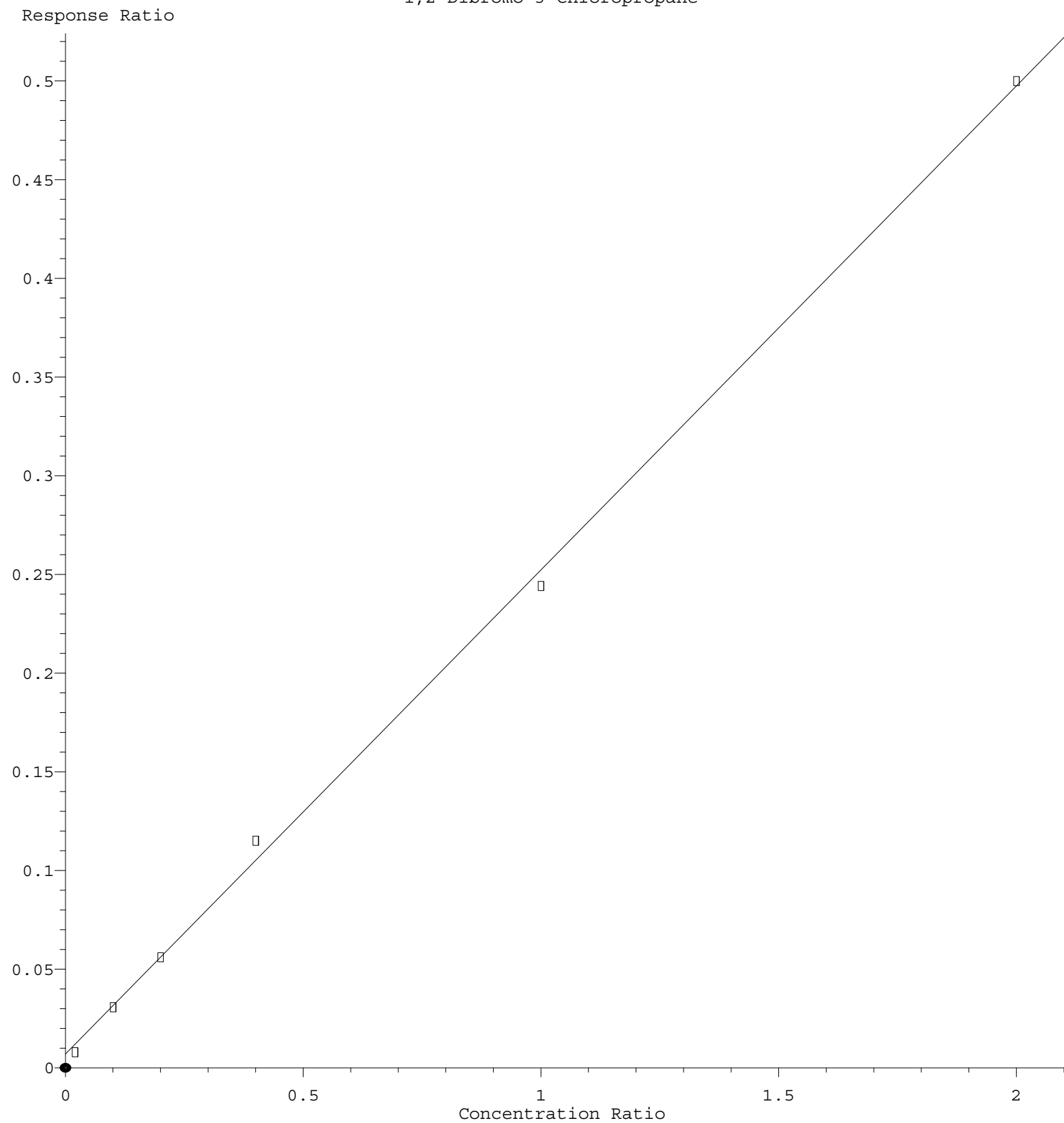
	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.599	0.602	0.654	0.624	0.700	0.669	0.641	6.28
3) P	Chloromethane	1.294	0.868	0.760	0.778	0.756	0.777	0.872	24.17
4) C	Vinyl Chloride	0.709	0.701	0.632	0.661	0.668	0.670	0.673	4.14#
5) T	Bromomethane		0.367	0.323	0.347	0.342	0.320	0.340	5.60
6) T	Chloroethane	0.558	0.415	0.399	0.417	0.413	0.396	0.433	14.28
7) T	Trichlorofluor...	1.031	0.990	0.907	0.978	0.915	0.867	0.948	6.48
8) T	Diethyl Ether	0.386	0.389	0.354	0.382	0.381	0.363	0.376	3.75
9) T	1,1,2-Trichlor...	0.585	0.561	0.525	0.591	0.561	0.535	0.559	4.70
10) T	Methyl Iodide		0.556	0.538	0.584	0.591	0.572	0.568	3.78
11) T	Tert butyl alc...		0.114	0.113	0.116	0.107	0.100	0.110	5.96
12) CM	1,1-Dichloroet...	0.487	0.579	0.525	0.574	0.561	0.542	0.545	6.35#
13) T	Acrolein		0.130	0.091	0.094	0.086	0.086	0.098	18.79
14) T	Allyl chloride	1.048	0.984	0.838	0.898	0.827	0.729	0.887	13.00
15) T	Acrylonitrile	0.299	0.279	0.272	0.297	0.278	0.271	0.283	4.29
16) T	Acetone	0.305	0.244	0.230	0.230	0.222	0.213	0.241	13.76
17) T	Carbon Disulfide	1.849	1.582	1.444	1.590	1.529	1.480	1.579	9.11
18) T	Methyl Acetate	0.716	0.659	0.626	0.603	0.613	0.588	0.634	7.40
19) T	Methyl tert-bu...	1.871	1.925	1.854	2.041	1.893	1.824	1.901	4.03
20) T	Methylene Chlo...	0.687	0.654	0.581	0.636	0.610	0.595	0.627	6.38
21) T	trans-1,2-Dich...	0.631	0.633	0.568	0.611	0.585	0.565	0.599	5.09
22) T	Diisopropyl ether	1.930	2.020	1.845	2.028	1.937	1.887	1.941	3.73
23) T	Vinyl Acetate	1.492	1.594	1.515	1.676	1.587	1.524	1.565	4.36
24) P	1,1-Dichloroet...	1.034	1.098	1.054	1.172	1.084	1.053	1.082	4.60
25) T	2-Butanone	0.437	0.396	0.382	0.399	0.373	0.358	0.391	6.97
26) T	2,2-Dichloropr...	0.988	0.970	0.955	1.060	1.023	0.981	0.996	3.87
27) T	cis-1,2-Dichlo...	0.740	0.688	0.654	0.727	0.682	0.663	0.692	4.95
28) T	Bromochloromet...	0.462	0.478	0.397	0.448	0.420	0.417	0.437	7.05
29) T	Tetrahydrofuran	0.245	0.270	0.251	0.259	0.245	0.236	0.251	4.75
30) C	Chloroform	1.203	1.223	1.095	1.200	1.133	1.117	1.162	4.59#
31) T	Cyclohexane		1.230	1.106	1.069	0.983	0.953	1.068	10.28
32) T	1,1,1-Trichlor...	1.060	1.035	0.975	1.071	1.021	0.993	1.026	3.64
33) S	1,2-Dichloroet...		0.725	0.565	0.593	0.598	0.595	0.615	10.22
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.323	0.268	0.278	0.281	0.282	0.287	7.44
36) T	1,1-Dichloropr...	0.461	0.485	0.468	0.495	0.486	0.476	0.478	2.65
37) T	Ethyl Acetate	0.435	0.437	0.412	0.476	0.440	0.425	0.438	4.95
38) T	Carbon Tetrach...	0.280	0.344	0.328	0.381	0.379	0.388	0.350	11.93
39) T	Methylcyclohexane	0.580	0.573	0.552	0.617	0.606	0.602	0.588	4.11
40) TM	Benzene	1.439	1.449	1.337	1.466	1.401	1.395	1.414	3.31
41) T	Methacrylonitrile	0.309	0.250	0.259	0.271	0.262	0.243	0.266	8.68
42) TM	1,2-Dichloroet...	0.542	0.514	0.455	0.514	0.498	0.488	0.502	5.82
43) T	Isopropyl Acetate	0.881	0.834	0.788	0.830	0.801	0.785	0.820	4.43
44) TM	Trichloroethene	0.460	0.423	0.396	0.431	0.411	0.392	0.419	5.98
45) C	1,2-Dichloropr...	0.333	0.357	0.327	0.371	0.357	0.355	0.350	4.72#
46) T	Dibromomethane	0.255	0.248	0.230	0.256	0.245	0.246	0.247	3.77
47) T	Bromodichlorom...	0.456	0.484	0.454	0.509	0.501	0.500	0.484	4.93
48) T	Methyl methacr...	0.430	0.369	0.368	0.394	0.378	0.378	0.386	6.15
49) T	1,4-Dioxane	0.018	0.010	0.008	0.008	0.007	0.006	0.009	44.12
50) S	Toluene-d8		1.170	0.904	0.969	1.000	1.013	1.011	9.75
51) T	4-Methyl-2-Pen...	0.452	0.469	0.450	0.480	0.455	0.437	0.457	3.27
52) CM	Toluene	0.873	0.891	0.826	0.940	0.883	0.888	0.884	4.13#
53) T	t-1,3-Dichloro...	0.529	0.581	0.529	0.601	0.583	0.599	0.570	5.77
54) T	cis-1,3-Dichlo...	0.612	0.593	0.553	0.636	0.610	0.615	0.603	4.64
55) T	1,1,2-Trichlor...	0.312	0.333	0.317	0.356	0.336	0.340	0.332	4.80
56) T	Ethyl methacry...	0.532	0.537	0.505	0.579	0.559	0.553	0.544	4.64

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57)	T	1,3-Dichloropr...	0.597	0.594	0.555	0.616	0.603	0.596	0.594	3.44
58)	T	2-Chloroethyl ...	0.275	0.282	0.251	0.278	0.274	0.260	0.270	4.38
59)	T	2-Hexanone	0.332	0.342	0.328	0.355	0.335	0.323	0.336	3.40
60)	T	Dibromochlorom...	0.297	0.311	0.282	0.334	0.331	0.341	0.316	7.37
61)	T	1,2-Dibromoethane	0.353	0.350	0.321	0.366	0.350	0.356	0.349	4.38
62)	S	4-Bromofluorob...		0.373	0.315	0.342	0.335	0.354	0.344	6.33
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.506	0.538	0.495	0.533	0.514	0.472	0.510	4.81
65)	PM	Chlorobenzene	1.057	1.060	1.001	1.084	1.050	1.039	1.048	2.64
66)	T	1,1,1,2-Tetrac...	0.356	0.369	0.345	0.381	0.363	0.353	0.361	3.58
67)	C	Ethyl Benzene	1.919	1.993	1.899	2.098	2.023	1.928	1.977	3.84#
68)	T	m/p-Xylenes	0.680	0.748	0.714	0.785	0.738	0.708	0.729	5.00
69)	T	o-Xylene	0.679	0.736	0.674	0.751	0.711	0.691	0.707	4.44
70)	T	Styrene	1.085	1.112	1.091	1.202	1.143	1.127	1.127	3.81
71)	P	Bromoform	0.151	0.176	0.184	0.197	0.194	0.201	0.184	9.93
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	5.148	5.067	4.711	5.380	5.115	4.889	5.052	4.55
74)	T	N-amyl acetate	2.561	2.415	2.173	2.471	2.266	2.058	2.324	8.24
75)	P	1,1,2,2-Tetrac...	1.290	1.281	1.198	1.312	1.221	1.138	1.240	5.34
76)	T	1,2,3-Trichlor...	1.012	1.048	1.262	1.159	1.100	1.048	1.105	8.37
77)	T	Bromobenzene	1.079	1.056	0.960	1.090	0.995	0.959	1.023	5.79
78)	T	n-propylbenzene	5.547	5.774	5.364	6.276	5.870	5.758	5.765	5.38
79)	T	2-Chlorotoluene	3.387	3.487	3.084	3.532	3.299	3.190	3.330	5.20
80)	T	1,3,5-Trimethy...	3.837	4.047	3.715	4.211	3.902	3.804	3.919	4.61
81)	T	trans-1,4-Dich...		0.504	0.436	0.506	0.474	0.453	0.475	6.54
82)	T	4-Chlorotoluene	3.211	3.364	3.070	3.339	3.193	3.129	3.218	3.58
83)	T	tert-Butylbenzene	3.401	3.519	3.083	3.597	3.319	3.219	3.356	5.67
84)	T	1,2,4-Trimethy...	3.676	3.895	3.588	4.041	3.763	3.695	3.776	4.38
85)	T	sec-Butylbenzene	4.156	4.689	4.382	5.032	4.744	4.624	4.605	6.59
86)	T	p-Isopropyltol...	3.371	3.755	3.529	4.028	3.794	3.741	3.703	6.14
87)	T	1,3-Dichlorobe...	1.718	1.828	1.657	1.816	1.735	1.686	1.740	3.96
88)	T	1,4-Dichlorobe...	1.928	1.867	1.698	1.856	1.738	1.700	1.798	5.47
89)	T	n-Butylbenzene	3.716	3.328	3.028	3.482	3.367	3.416	3.389	6.61
90)	T	Hexachloroethane	0.222	0.134	0.057	0.051	0.073	0.128	0.111	58.59
91)	T	1,2-Dichlorobe...	1.724	1.741	1.580	1.792	1.677	1.607	1.687	4.84
92)	T	1,2-Dibromo-3-...	0.395	0.307	0.280	0.288	0.244	0.250	0.294	18.70
93)	T	1,2,4-Trichlor...	1.056	0.966	0.910	1.038	1.051	1.042	1.010	5.85
94)	T	Hexachlorobuta...	0.461	0.414	0.368	0.425	0.434	0.406	0.418	7.48
95)	T	Naphthalene	3.853	3.614	3.285	3.692	3.646	3.480	3.595	5.40
96)	T	1,2,3-Trichlor...	1.004	0.962	0.909	1.022	1.028	1.016	0.990	4.66

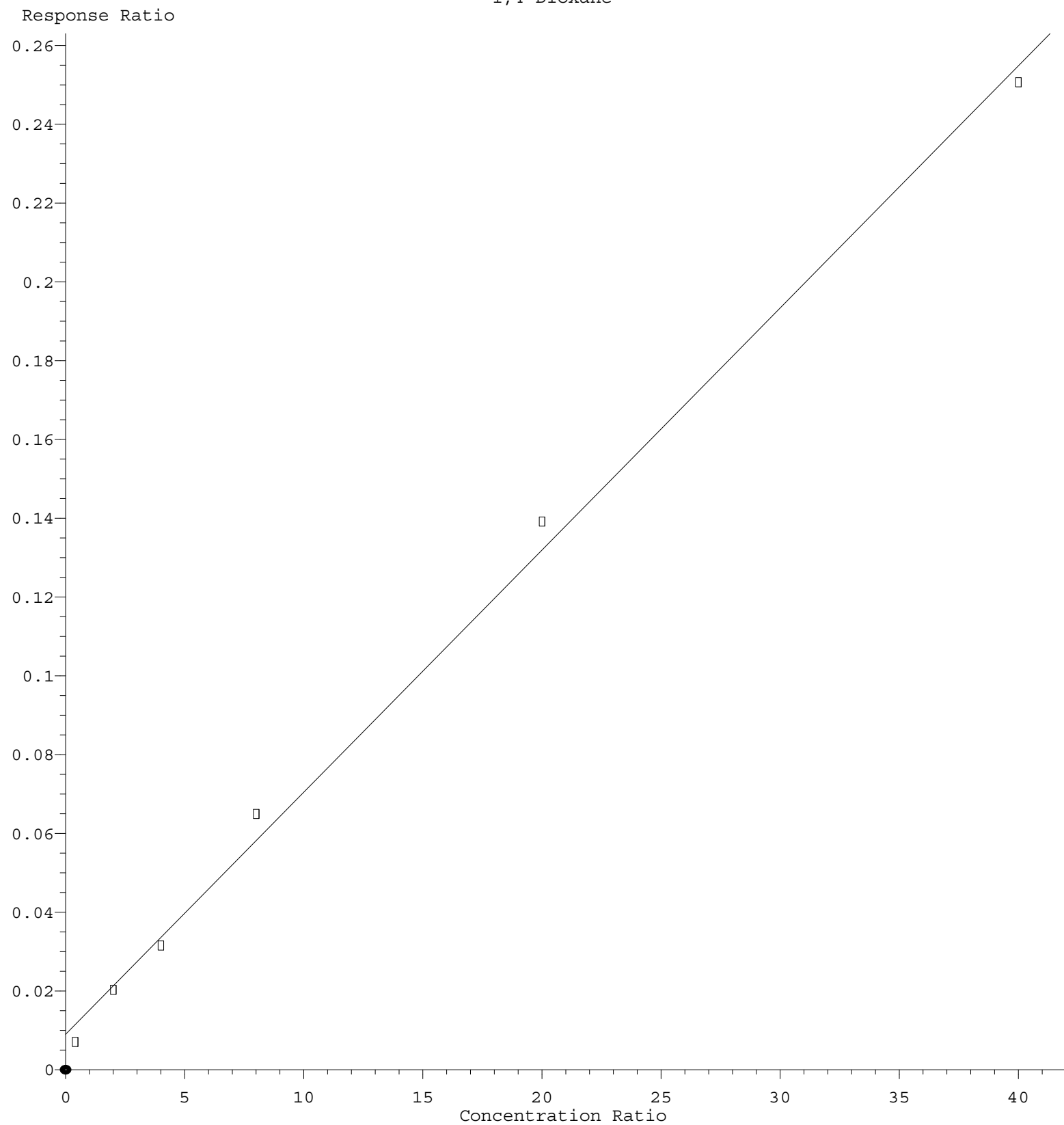
(#) = Out of Range

1,2-Dibromo-3-Chloropropane



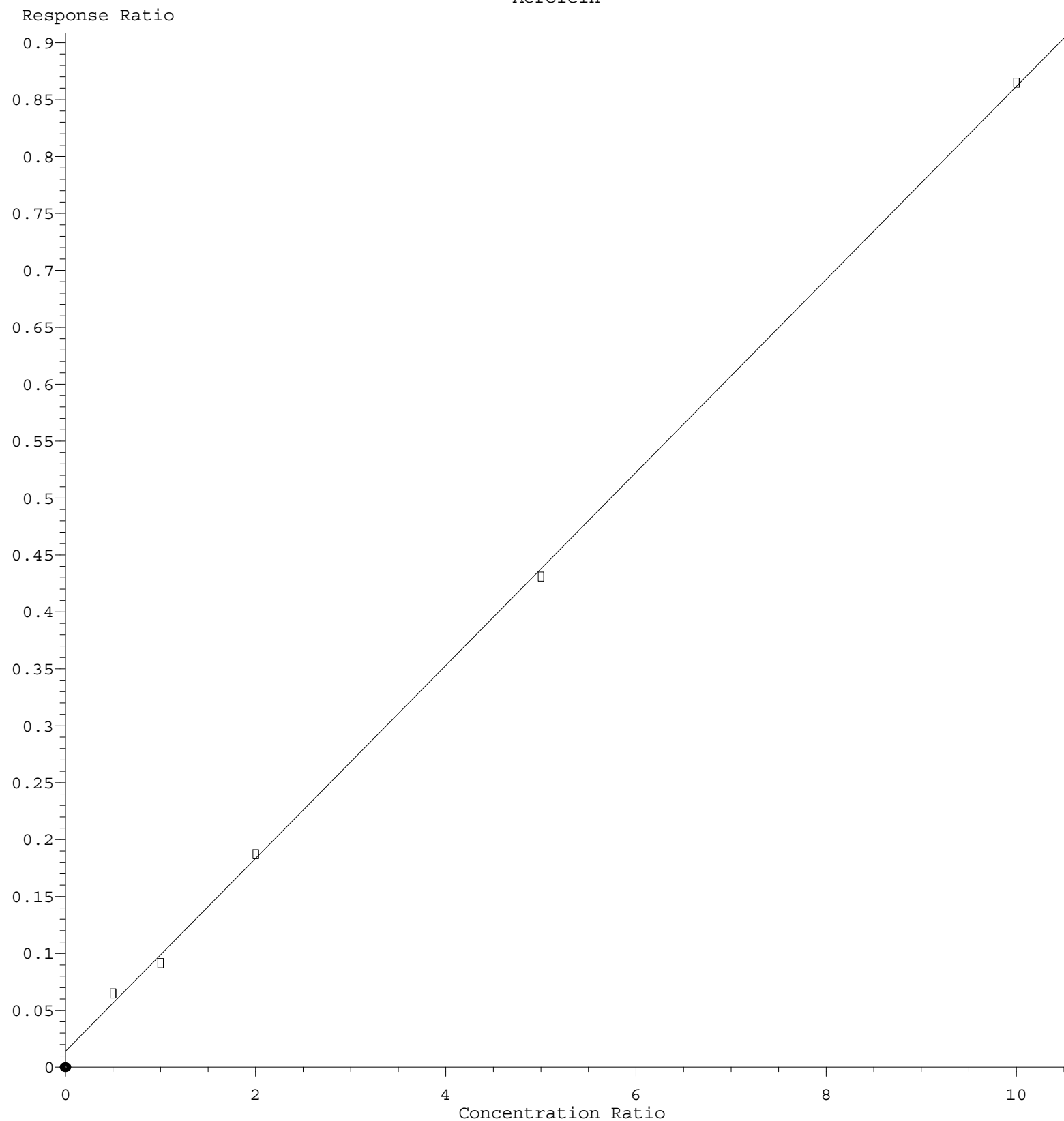
Response = $2.455e-001 \cdot \text{Amt} + 6.708e-003$
 Coef of Det (r^2) = 0.998932 Curve Fit: Linear
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1,4-Dioxane



Response = $6.138 \times 10^{-3} \times \text{Amt} + 9.496 \times 10^{-3}$
Coef of Det (r^2) = 0.996828 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021424W.M
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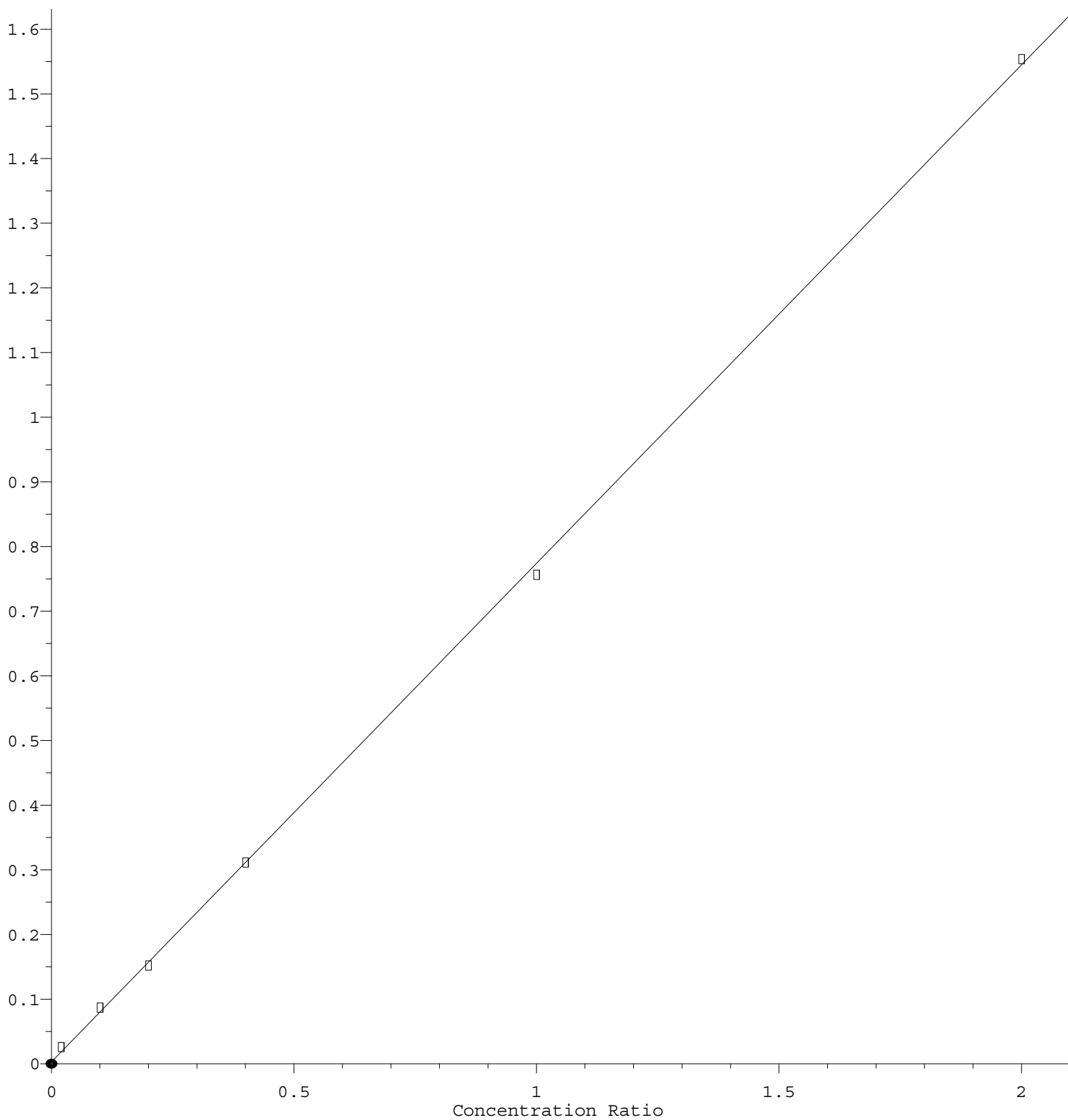
Acrolein



Response = $8.472 \times 10^{-2} \times \text{Amt} + 1.441 \times 10^{-2}$
 Coef of Det (r^2) = 0.999560 Curve Fit: Linear
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Chloromethane

Response Ratio



$$\text{Response} = 7.708\text{e-}001 * \text{Amt} + 3.063\text{e-}003$$

Coef of Det (r^2) = 0.999699 Curve Fit: Linear

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