Response Factor Report MSVOA_U

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 82U070825W.M
Title : SW846 8260
Last Update : Wed Jul 09 04:25:34 2025
Response Via : Initial Calibration

Calibration Files
1 =VU063460.D 5 =VU063461.D 20 =VU063462.D 50 =VU063463.D 100 =VU063464.D 150 =VU063465.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.448	0.418	0.401	0.406	0.335	0.378	0.398	9.59
3)	P	Chloromethane	0.650	0.568	0.457	0.432	0.368	0.430	0.484	21.50
4)	C	Vinyl Chloride	0.639	0.587	0.535	0.513	0.444	0.505	0.537	12.66#
5)	T	Bromomethane		0.486	0.403	0.368	0.296	0.328	0.376	19.49
6)	T	Chloroethane	0.592	0.417	0.362	0.350	0.287	0.327	0.389	27.76
7)	T	Trichlorofluor...	0.927	0.958	0.879	0.887	0.732	0.817	0.866	9.41
8)	T	Diethyl Ether	0.412	0.386	0.363	0.374	0.293	0.337	0.361	11.45
9)	T	1,1,2-Trichlor...	0.605	0.513	0.515	0.527	0.433	0.482	0.512	11.01
10)	T	Methyl Iodide		0.540	0.529	0.597	0.459	0.550	0.535	9.30
11)	T	Tert butyl alc...		0.214	0.213	0.209	0.196	0.238	0.214	7.15
12)	CM	1,1-Dichloroet...	0.565	0.539	0.470	0.468	0.387	0.433	0.477	13.82#
13)	T	Acrolein		0.036	0.030	0.028	0.027	0.031	0.030	11.11
14)	T	Allyl chloride	1.401	1.244	1.073	1.083	0.936	1.074	1.135	14.34
15)	T	Acrylonitrile	0.440	0.441	0.455	0.482	0.430	0.501	0.458	6.09
16)	T	Acetone	0.583	0.647	0.483	0.493	0.477	0.527	0.535	12.60
17)	T	Carbon Disulfide	1.693	1.430	1.021	0.923	0.834	0.941	1.140	29.99
18)	T	Methyl Acetate	1.618	1.065	1.313	1.612	1.225	1.431	1.377	15.93
19)	T	Methyl tert-bu...	2.178	2.116	2.061	2.206	1.770	2.013	2.057	7.68
20)	T	Methylene Chlo...	1.284	1.043	0.618	0.658	0.510	0.568	0.780	39.78
21)	T	trans-1,2-Dich...	0.709	0.555	0.489	0.465	0.402	0.456	0.513	21.10
22)	T	Diisopropyl ether	2.270	1.917	1.903	1.997	1.604	1.910	1.933	11.03
23)	T	Vinyl Acetate	1.390	1.474	1.495	1.564	1.418	1.660	1.500	6.62
24)	P	1,1-Dichloroet...	1.166	1.168	1.150	1.139	0.918	1.043	1.097	9.05
25)	T	2-Butanone	0.480	0.601	0.581	0.652	0.597	0.693	0.601	12.00
26)	T	2,2-Dichloropr...	1.024	1.015	0.964	0.973	0.826	0.926	0.955	7.58
27)	T	cis-1,2-Dichlo...	0.778	0.687	0.697	0.672	0.579	0.645	0.676	9.62
28)	T	Bromochloromet...	0.568	0.554	0.524	0.524	0.431	0.492	0.515	9.54
29)	T	Tetrahydrofuran	0.338	0.362	0.378	0.405	0.363	0.428	0.379	8.63
30)	C	Chloroform	1.322	1.181	1.180	1.190	0.974	1.105	1.158	9.89#
31)	T	Cyclohexane		1.168	0.890	0.869	0.708	0.775	0.882	19.96
32)	T	1,1,1-Trichlor...	1.066	1.045	0.991	1.013	0.845	0.958	0.986	8.04
33)	S	1,2-Dichloroet...		0.764	0.659	0.653	0.531	0.583	0.638	13.83
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.348	0.317	0.300	0.251	0.291	0.301	11.87
36)	T	1,1-Dichloropr...	0.518	0.410	0.407	0.383	0.343	0.396	0.410	14.22
37)	T	Ethyl Acetate	0.852	0.620	0.632	0.614	0.575	0.687	0.663	14.99
38)	T	Carbon Tetrach...	0.527	0.458	0.438	0.444	0.385	0.455	0.451	10.17
39)	T	Methylcyclohexane	0.598	0.550	0.462	0.484	0.401	0.474	0.495	14.01
40)	TM	Benzene	1.271	1.387	1.303	1.325	1.102	1.287	1.279	7.49
41)	T	Methacrylonitrile	0.337	0.247	0.295	0.339	0.301	0.359	0.313	12.94
42)	TM	1,2-Dichloroet...	0.502	0.492	0.477	0.497	0.423	0.494	0.481	6.15
43)	T	Isopropyl Acetate	0.823	0.776	0.873	0.943	0.848	1.022	0.881	10.08
44)	TM	Trichloroethene	0.388	0.369	0.346	0.330	0.283	0.337	0.342	10.50
45)	C	1,2-Dichloropr...	0.360	0.368	0.367	0.370	0.305	0.361	0.356	7.00#
46)	T	Dibromomethane	0.246	0.254	0.266	0.262	0.226	0.263	0.253	5.88
47)	T	Bromodichlorom...	0.568	0.521	0.538	0.537	0.453	0.539	0.526	7.34
48)	T	Methyl methacr...	0.351	0.365	0.417	0.451	0.386	0.473	0.407	11.85
49)	T	1,4-Dioxane	0.008	0.009	0.009	0.009	0.008	0.010	0.009	8.97
50)	S	Toluene-d8		1.164	0.972	0.980	0.837	0.960	0.982	11.92
51)	T	4-Methyl-2-Pen...	0.577	0.571	0.629	0.721	0.595	0.732	0.638	11.27
52)	CM	Toluene	0.996	0.835	0.816	0.812	0.713	0.846	0.837	10.94#
53)	T	t-1,3-Dichloro...	0.383	0.428	0.447	0.495	0.459	0.550	0.460	12.51
54)	T	cis-1,3-Dichlo...	0.486	0.464	0.515	0.556	0.487	0.585	0.515	9.03
55)	T	1,1,2-Trichlor...	0.390	0.357	0.357	0.360	0.301	0.365	0.355	8.25
56)	T	Ethyl methacry...	0.619	0.491	0.563	0.608	0.514	0.643	0.573	10.62

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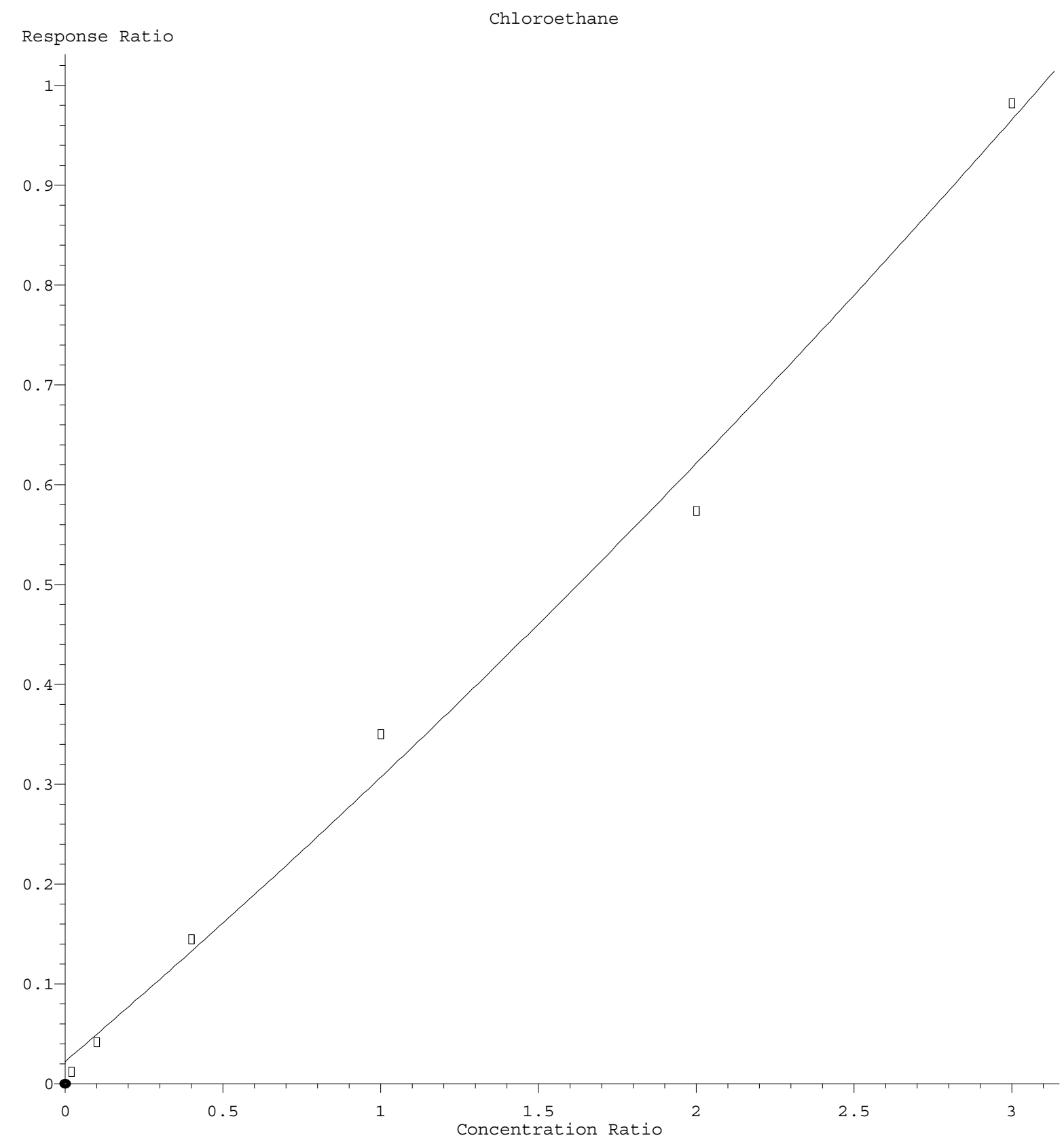
57)	T	1,3-Dichloropr...	0.623	0.572	0.602	0.605	0.509	0.602	0.586	7.00
58)	T	2-Chloroethyl ...		0.004	0.004	0.006	0.007	0.009	0.006	35.76
59)	T	2-Hexanone	0.423	0.428	0.454	0.570	0.459	0.560	0.482	13.60
60)	T	Dibromochlorom...	0.376	0.375	0.413	0.421	0.364	0.439	0.398	7.54
61)	T	1,2-Dibromoethane	0.386	0.343	0.351	0.352	0.298	0.361	0.349	8.21
62)	S	4-Bromofluorob...		0.488	0.449	0.418	0.367	0.426	0.430	10.38
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.435	0.412	0.386	0.368	0.303	0.329	0.372	13.40
65)	PM	Chlorobenzene	1.124	1.072	1.027	1.072	0.912	1.036	1.040	6.90
66)	T	1,1,1,2-Tetrac...	0.347	0.341	0.363	0.393	0.328	0.369	0.357	6.54
67)	C	Ethyl Benzene	1.917	1.832	1.803	1.832	1.559	1.784	1.788	6.78#
68)	T	m/p-Xylenes	0.751	0.698	0.673	0.695	0.599	0.678	0.682	7.23
69)	T	o-Xylene	0.762	0.710	0.685	0.708	0.605	0.692	0.694	7.37
70)	T	Styrene	1.065	1.064	1.099	1.185	1.024	1.182	1.103	6.03
71)	P	Bromoform	0.275	0.280	0.313	0.341	0.300	0.356	0.311	10.41
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.692	3.578	3.351	3.486	3.019	3.285	3.402	7.02
74)	T	N-amyl acetate	1.186	1.357	1.399	1.949	1.525	1.740	1.526	18.18
75)	P	1,1,2,2-Tetrac...	1.351	1.178	1.214	1.304	1.173	1.295	1.252	5.93
76)	T	1,2,3-Trichlor...	1.455	1.294	1.302	1.343	1.211	1.346	1.325	6.06
77)	T	Bromobenzene	0.956	0.818	0.812	0.847	0.757	0.814	0.834	7.98
78)	T	n-propylbenzene	4.220	3.925	3.921	4.098	3.591	3.918	3.946	5.39
79)	T	2-Chlorotoluene	2.527	2.481	2.499	2.605	2.274	2.462	2.475	4.44
80)	T	1,3,5-Trimethy...	3.214	3.046	2.951	3.065	2.675	2.903	2.976	6.12
81)	T	trans-1,4-Dich...		0.277	0.252	0.261	0.247	0.293	0.266	7.17
82)	T	4-Chlorotoluene	2.788	2.881	2.823	2.913	2.621	2.830	2.809	3.65
83)	T	tert-Butylbenzene	3.080	2.833	2.822	3.017	2.556	2.815	2.854	6.45
84)	T	1,2,4-Trimethy...	3.173	2.835	2.842	3.080	2.679	2.924	2.922	6.14
85)	T	sec-Butylbenzene	4.189	3.702	3.780	3.911	3.371	3.642	3.766	7.28
86)	T	p-Isopropyltol...	3.169	3.006	3.048	3.235	2.830	3.041	3.055	4.60
87)	T	1,3-Dichlorobe...	1.795	1.615	1.590	1.621	1.452	1.569	1.607	6.88
88)	T	1,4-Dichlorobe...	1.879	1.670	1.617	1.628	1.464	1.573	1.638	8.38
89)	T	n-Butylbenzene	2.810	2.638	2.780	3.019	2.731	2.987	2.827	5.24
90)	T	Hexachloroethane	0.513	0.486	0.486	0.531	0.498	0.552	0.511	5.21
91)	T	1,2-Dichlorobe...	1.641	1.532	1.609	1.645	1.435	1.541	1.567	5.16
92)	T	1,2-Dibromo-3-...	0.238	0.274	0.303	0.333	0.300	0.331	0.297	12.22
93)	T	1,2,4-Trichlor...	0.919	0.937	1.009	1.093	0.987	1.077	1.004	7.07
94)	T	Hexachlorobuta...	0.406	0.421	0.441	0.465	0.411	0.429	0.429	5.10
95)	T	Naphthalene	3.009	2.792	3.122	3.797	3.314	3.685	3.287	11.93
96)	T	1,2,3-Trichlor...	0.988	0.855	0.970	1.101	0.953	1.050	0.986	8.60

(#) = Out of Range



R = 1.491e-002 A*A + 2.698e-001 A + 2.233e-002
Coef of Det (r^2) = 0.993052 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U070825W.M
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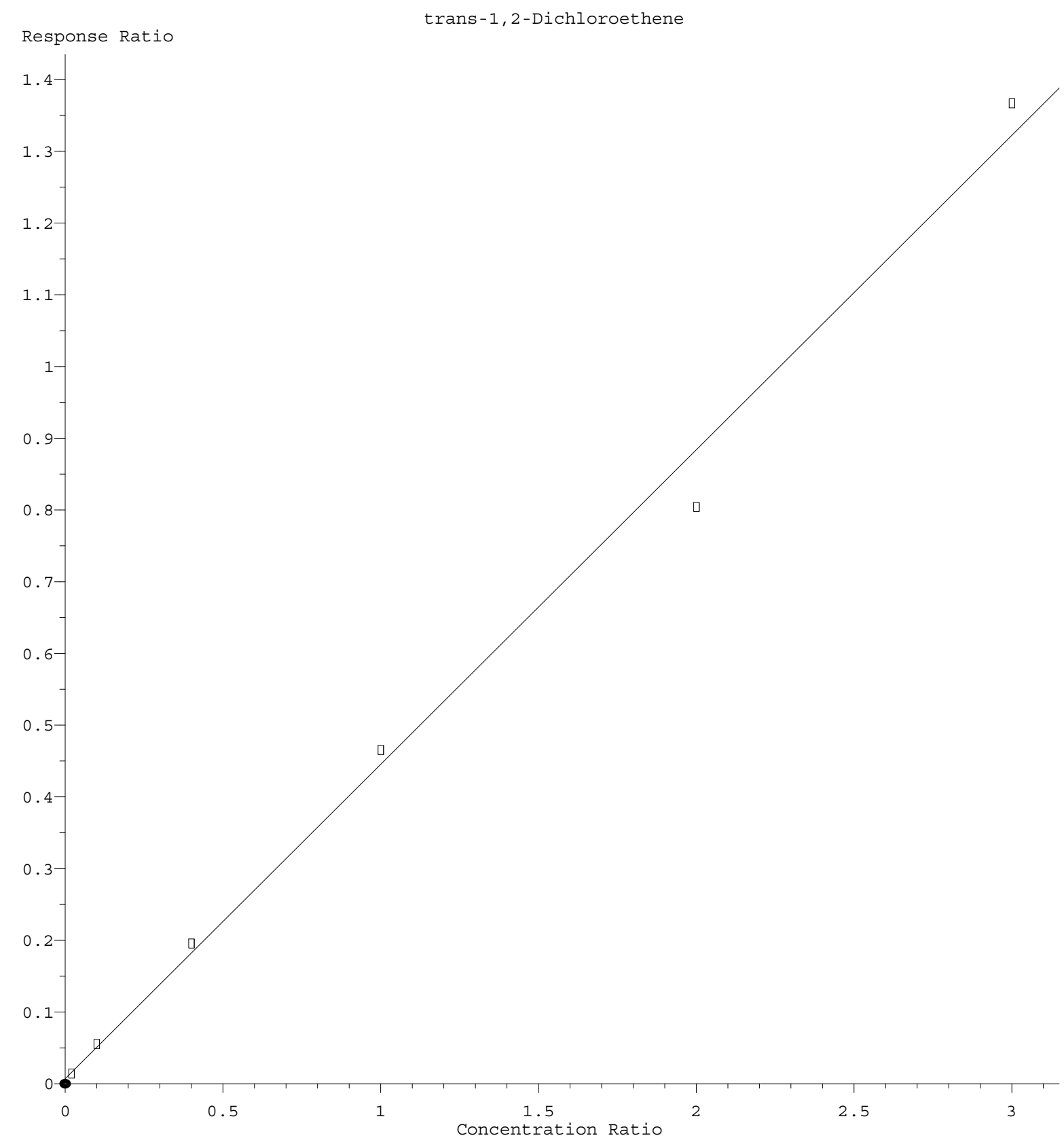

Response = 4.383e-001 * Amt + 7.314e-003
Coef of Det (r^2) = 0.993475 Curve Fit: Linear
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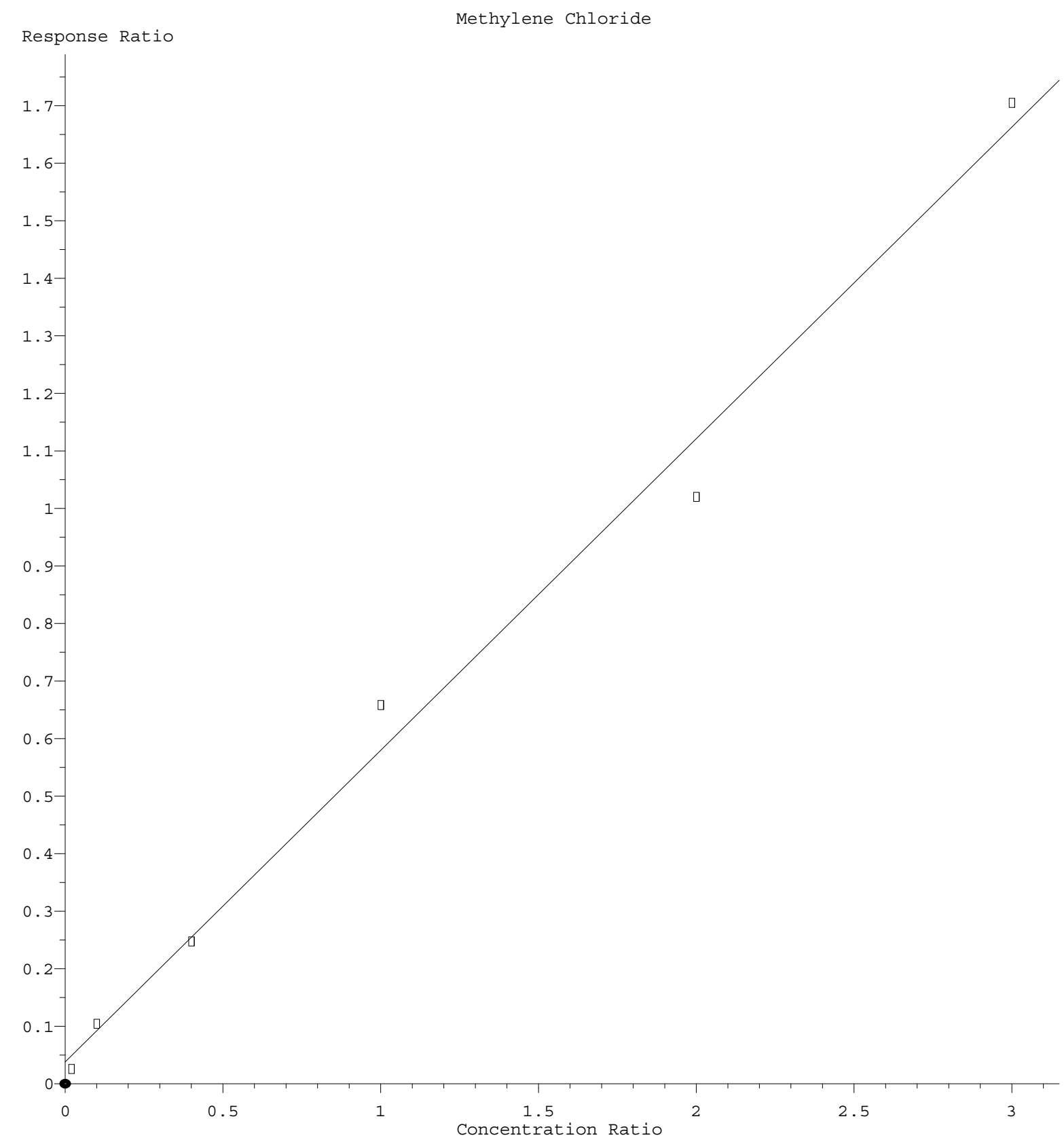

Response = 5.414e-001 * Amt + 3.839e-002
Coef of Det (r^2) = 0.990958 Curve Fit: Linear
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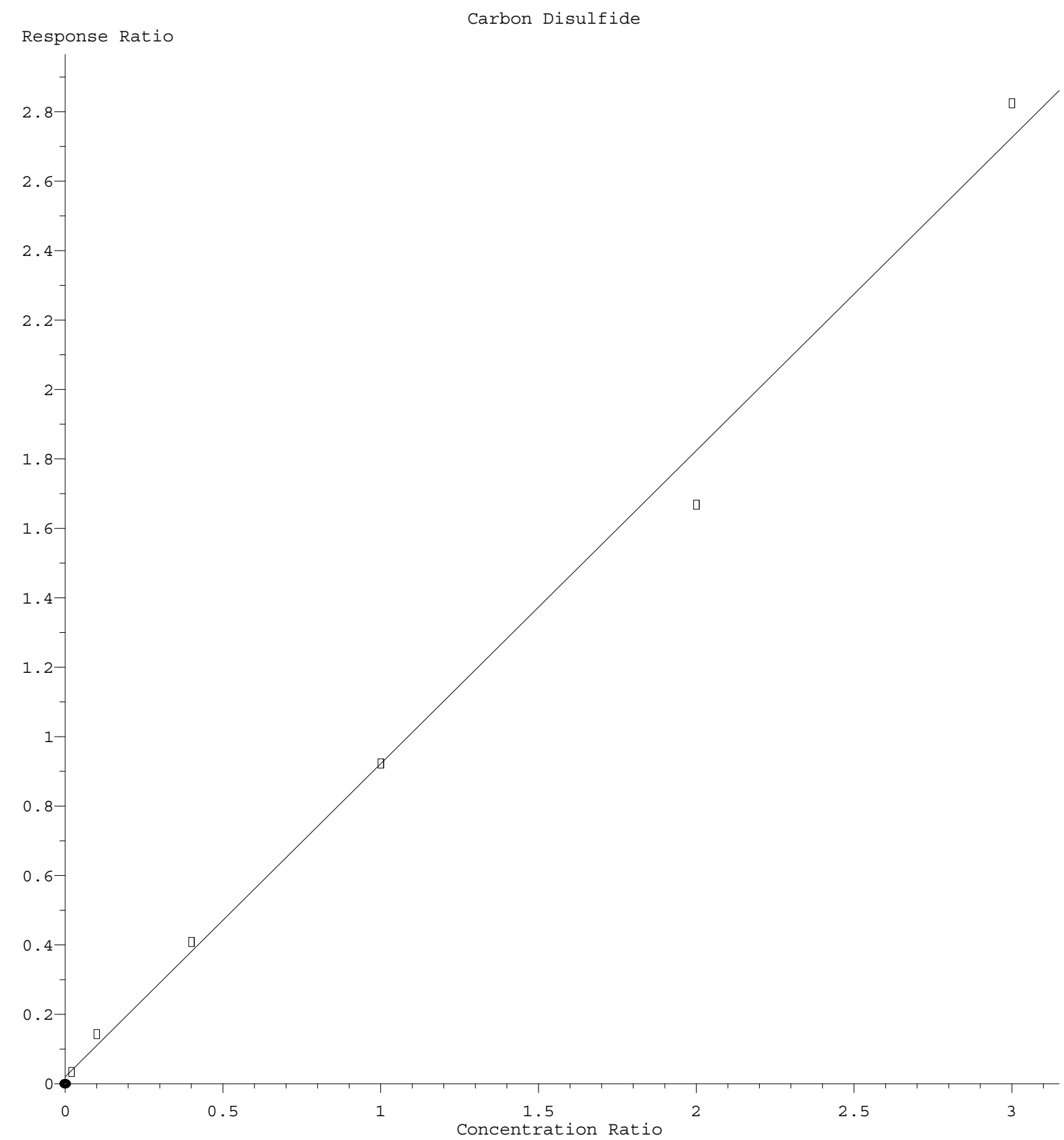

Response = 9.018e-001 * Amt + 2.005e-002
Coef of Det (r^2) = 0.993803 Curve Fit: Linear
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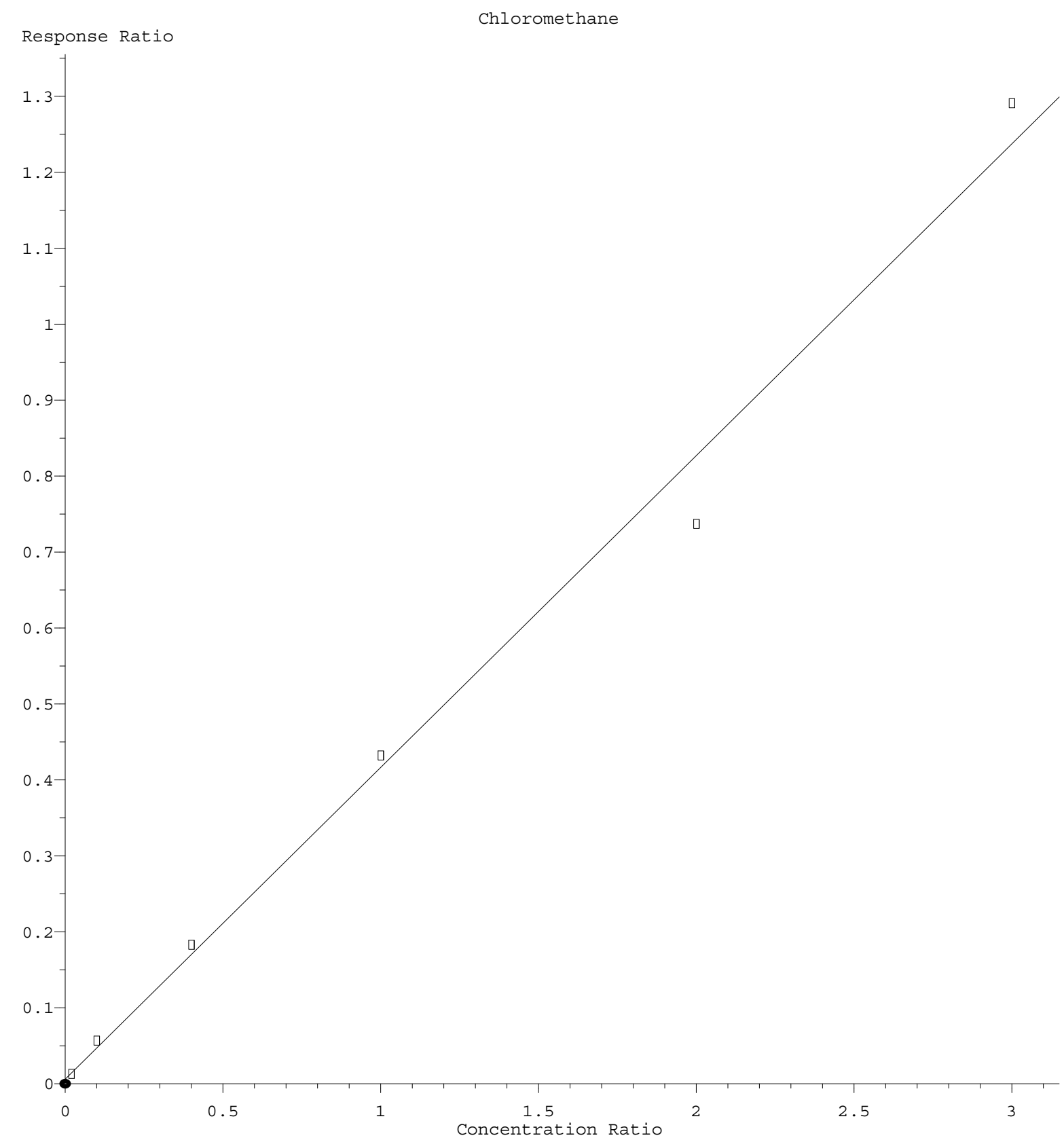

Response = 4.107e-001 * Amt + 5.836e-003
Coef of Det (r^2) = 0.990492 Curve Fit: Linear
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