Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X092622W.M
Title : SW846 8260
Last Update : Tue Sep 27 01:44:18 2022
Response Via : Initial Calibration

Calibration Files
1 =VX031641.D 5 =VX031642.D 20 =VX031644.D 50 =VX031645.D 100 =VX031646.D 10 =VX031643.D

		Compound	1	5	20	50	100	10	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.608	0.585	0.706	0.568	0.484	0.699	0.609	13.81
3)	P	Chloromethane	0.895	0.679	0.668	0.563	0.511	0.686	0.667	19.86
4)	C	Vinyl Chloride	0.865	0.897	0.904	0.773	0.702	0.884	0.837	9.79#
5)	T	Bromomethane		1.176	0.938	0.806	0.693	1.041	0.931	20.41
6)	T	Chloroethane	1.420	1.371	1.085	0.990		1.002	1.174	17.61
7)	T	Trichlorofluor...	2.621	2.593	2.439	1.970	1.654	2.446	2.287	16.98
8)	T	Diethyl Ether	0.861	0.778	0.755	0.641	0.549	0.753	0.723	15.29
9)	T	1,1,2-Trichlor...	0.769	0.700	0.720	0.594	0.531	0.675	0.665	13.14
10)	T	Methyl Iodide		0.550	0.692	0.692	0.702	0.621	0.651	10.03
11)	T	Tert butyl alc...		0.202	0.174	0.146	0.126	0.190	0.167	18.72
12)	CM	1,1-Dichloroet...	0.790	0.761	0.615	0.530	0.489	0.586	0.629	19.47#
13)	T	Acrolein		0.117	0.080	0.068	0.059	0.074	0.080	28.31
14)	T	Allyl chloride	0.981	0.868	0.905	0.819	0.819	0.855	0.874	7.01
15)	T	Acrylonitrile	0.399	0.366	0.378	0.353	0.335	0.379	0.368	6.04
16)	T	Acetone	0.405	0.321	0.311	0.270	0.229	0.317	0.309	19.05
17)	T	Carbon Disulfide	1.677	1.475	1.253	1.104	1.097	1.214	1.303	17.57
18)	T	Methyl Acetate	1.062	0.992	0.976	0.871	0.835	0.985	0.954	8.83
19)	T	Methyl tert-bu...	2.401	2.324	2.401	2.315	2.403	2.318	2.360	1.91
20)	T	Methylene Chlo...	1.163	0.788	0.785	0.661	0.659	0.763	0.803	23.14
21)	T	trans-1,2-Dich...	0.840	0.756	0.729	0.680	0.717	0.686	0.735	8.02
22)	T	Diisopropyl ether	2.268	2.224	2.285	2.385	2.136	2.204	2.251	3.75
23)	T	Vinyl Acetate	1.706	1.678	1.864	1.941	1.739	1.750	1.780	5.69
24)	P	1,1-Dichloroet...	1.409	1.330	1.294	1.225	1.228	1.299	1.297	5.31
25)	T	2-Butanone	0.551	0.505	0.513	0.512	0.441	0.516	0.507	7.06
26)	T	2,2-Dichloropr...	1.067	1.047	1.023	1.082	1.117	0.982	1.053	4.49
27)	T	cis-1,2-Dichlo...	0.949	0.898	0.921	0.872	0.878	0.880	0.900	3.36
28)	T	Bromochloromet...	0.622	0.588	0.601	0.635	0.563	0.633	0.607	4.66
29)	T	Tetrahydrofuran	0.321	0.307	0.327	0.340	0.285	0.331	0.318	6.18
30)	C	Chloroform	1.695	1.559	1.574	1.644	1.579	1.527	1.596	3.85#
31)	T	Cyclohexane		1.051	1.029	1.034	0.954	0.975	1.009	4.13
32)	T	1,1,1-Trichlor...	1.262	1.253	1.345	1.411	1.401	1.260	1.322	5.55
33)	S	1,2-Dichloroet...		1.058	1.081	1.056	0.972	1.138	1.061	5.66
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.588	0.593	0.584	0.576	0.638	0.596	4.11
36)	T	1,1-Dichloropr...	0.748	0.709	0.669	0.693	0.656	0.630	0.684	6.10
37)	T	Ethyl Acetate	0.786	0.668	0.689	0.723	0.619	0.656	0.690	8.45
38)	T	Carbon Tetrach...	0.762	0.771	0.776	0.801	0.822	0.695	0.771	5.64
39)	T	Methylcyclohexane	0.851	0.831	0.780	0.764	0.750	0.702	0.780	6.96
40)	TM	Benzene	2.357	2.139	2.051	2.113	2.002	1.946	2.101	6.85
41)	T	Methacrylonitrile	0.388	0.325	0.371	0.366	0.326	0.332	0.351	7.70
42)	TM	1,2-Dichloroet...	0.831	0.845	0.820	0.862	0.777	0.741	0.813	5.58
43)	T	Isopropyl Acetate	1.083	1.062	1.106	1.182	1.052	1.031	1.086	4.95
44)	TM	Trichloroethene	0.653	0.618	0.581	0.579	0.581	0.549	0.594	6.18
45)	C	1,2-Dichloropr...	0.543	0.522	0.519	0.511	0.474	0.490	0.510	4.81#
46)	T	Dibromomethane	0.454	0.411	0.409	0.409	0.394	0.381	0.410	5.99
47)	T	Bromodichlorom...	0.695	0.695	0.744	0.793	0.801	0.705	0.739	6.56
48)	T	Methyl methacr...	0.448	0.466	0.499	0.525	0.479	0.449	0.478	6.34
49)	T	1,4-Dioxane	0.009	0.013	0.013	0.013	0.011	0.014	0.012	15.24
50)	S	Toluene-d8		2.056	2.179	2.273	2.106	2.186	2.160	3.84
51)	T	4-Methyl-2-Pen...	0.626	0.669	0.749	0.764	0.637	0.680	0.688	8.34
52)	CM	Toluene	1.362	1.360	1.429	1.532	1.440	1.281	1.401	6.16#
53)	T	t-1,3-Dichloro...	0.579	0.597	0.723	0.882	0.867	0.612	0.710	19.34
54)	T	cis-1,3-Dichlo...	0.664	0.707	0.788	0.868	0.877	0.703	0.768	11.78
55)	T	1,1,2-Trichlor...	0.616	0.594	0.590	0.652	0.615	0.552	0.603	5.53
56)	T	Ethyl methacry...	0.724	0.669	0.780	0.912	0.849	0.694	0.772	12.25

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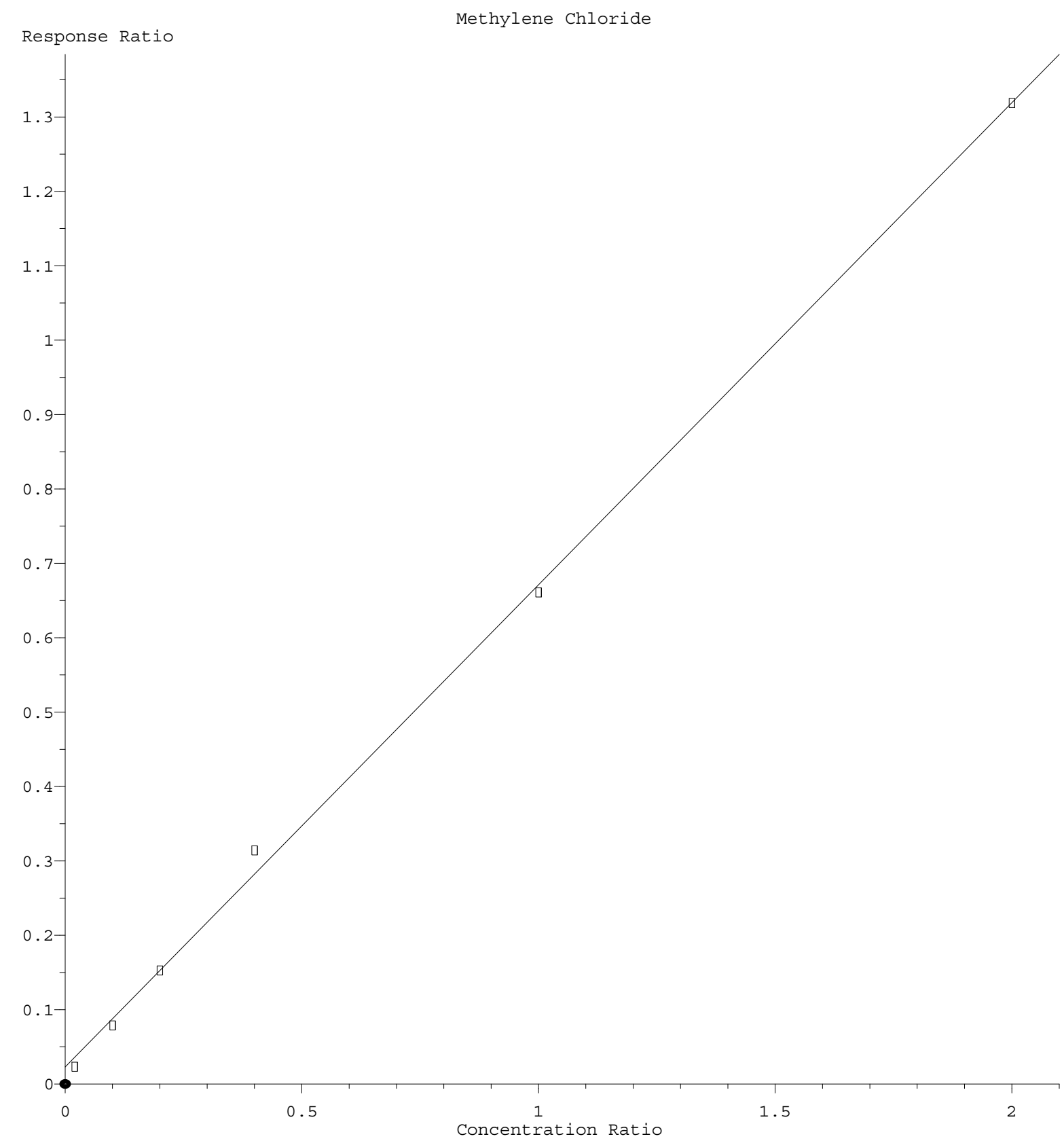
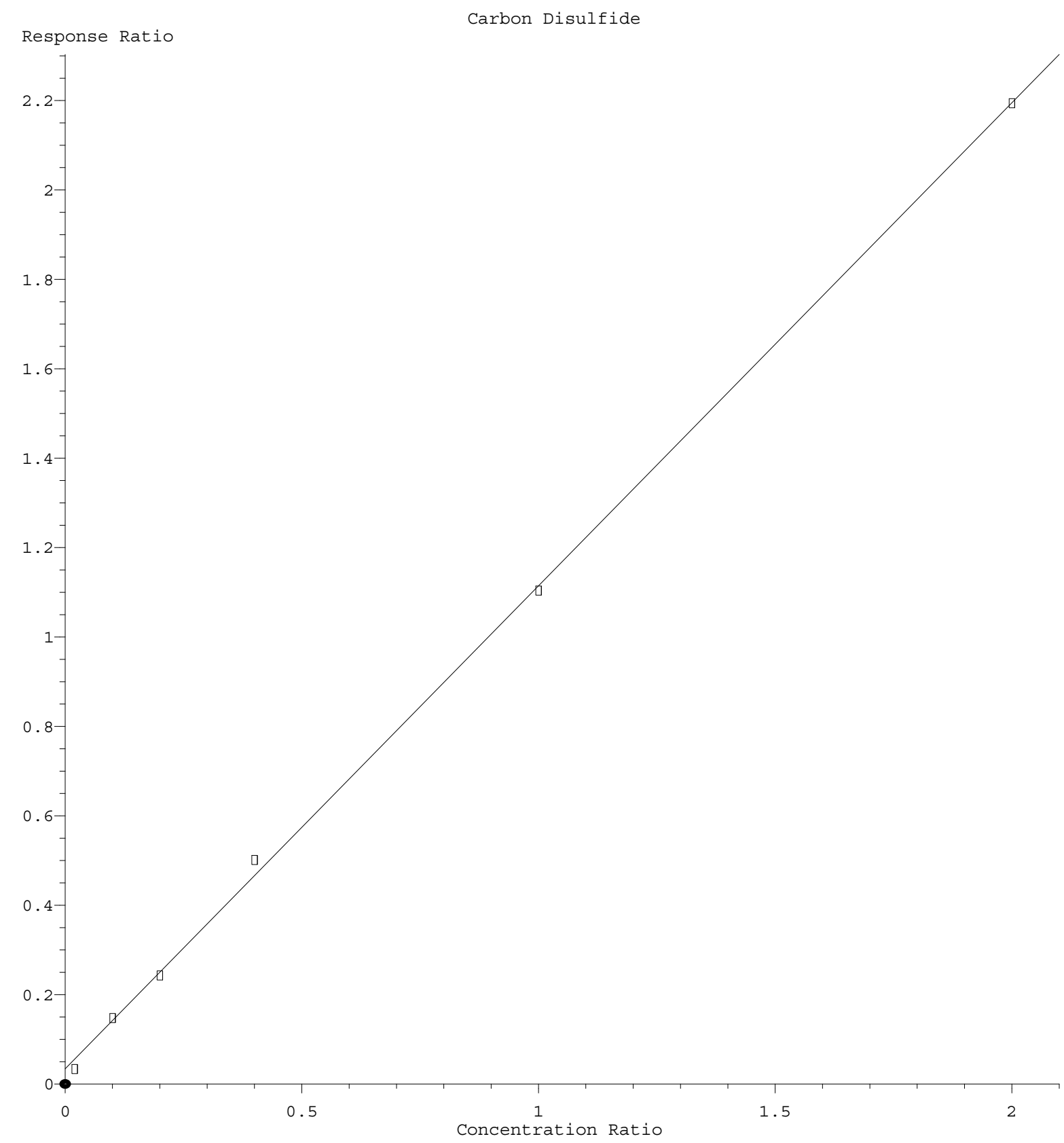
Method File : 82X092622W.M

57)	T	1,3-Dichloropr...	1.012	0.903	0.950	1.028	0.935	0.903	0.955	5.61
58)	T	2-Chloroethyl ...	0.341	0.376	0.384	0.415	0.388	0.375	0.380	6.35
59)	T	2-Hexanone	0.467	0.497	0.566	0.581	0.471	0.496	0.513	9.49
60)	T	Dibromochlorom...	0.532	0.511	0.613	0.732	0.711	0.533	0.606	15.98
61)	T	1,2-Dibromoethane	0.531	0.563	0.632	0.718	0.668	0.561	0.612	11.83
62)	S	4-Bromofluorob...		0.641	0.823	0.920	0.837	0.737	0.792	13.42
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.644	0.555	0.514	0.502	0.508	0.483	0.534	11.01
65)	PM	Chlorobenzene	1.386	1.441	1.443	1.394	1.383	1.310	1.393	3.49
66)	T	1,1,1,2-Tetrac...	0.486	0.458	0.523	0.531	0.547	0.463	0.501	7.44
67)	C	Ethyl Benzene	2.452	2.369	2.463	2.404	2.364	2.165	2.370	4.56#
68)	T	m/p-Xylenes	0.871	0.923	1.026	1.005	1.017	0.871	0.952	7.61
69)	T	o-Xylene	0.895	0.868	0.988	0.997	0.987	0.848	0.931	7.26
70)	T	Styrene	1.316	1.388	1.659	1.654	1.703	1.369	1.515	11.53
71)	P	Bromoform	0.295	0.305	0.372	0.422	0.444	0.306	0.357	18.20
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.500	3.342	3.195	3.180	3.083	3.101	3.234	4.93
74)	T	N-amyl acetate	0.998	1.042	1.132	1.093	0.986	1.042	1.049	5.31
75)	P	1,1,2,2-Tetrac...	1.154	1.056	1.010	1.011	0.913	1.021	1.027	7.58
76)	T	1,2,3-Trichlor...	1.117	0.907	0.794	0.905	0.818	0.897	0.906	12.54
77)	T	Bromobenzene	0.970	0.860	0.769	0.775	0.789	0.767	0.822	9.81
78)	T	n-propylbenzene	3.500	3.769	3.702	3.703	3.461	3.454	3.598	3.94
79)	T	2-Chlorotoluene	2.526	2.280	2.194	2.189	2.071	2.073	2.222	7.60
80)	T	1,3,5-Trimethy...	2.707	2.769	2.849	2.808	2.747	2.566	2.741	3.60
81)	T	trans-1,4-Dich...		0.173	0.225	0.266	0.276	0.193	0.227	19.65
82)	T	4-Chlorotoluene	2.657	2.625	2.651	2.603	2.511	2.355	2.567	4.54
83)	T	tert-Butylbenzene	2.501	2.640	2.718	2.745	2.718	2.538	2.643	3.90
84)	T	1,2,4-Trimethy...	2.682	2.702	2.847	2.818	2.699	2.531	2.713	4.15
85)	T	sec-Butylbenzene	3.425	3.306	3.469	3.437	3.312	3.206	3.359	3.00
86)	T	p-Isopropyltol...	2.803	2.906	3.043	3.018	2.945	2.667	2.897	4.88
87)	T	1,3-Dichlorobe...	1.734	1.615	1.576	1.590	1.547	1.500	1.594	4.96
88)	T	1,4-Dichlorobe...	1.890	1.692	1.682	1.616	1.613	1.515	1.668	7.54
89)	T	n-Butylbenzene	2.254	2.330	2.539	2.454	2.397	2.224	2.366	5.09
90)	T	Hexachloroethane	0.525	0.408	0.459	0.494	0.490	0.410	0.465	10.29
91)	T	1,2-Dichlorobe...	1.624	1.602	1.645	1.611	1.575	1.519	1.596	2.77
92)	T	1,2-Dibromo-3-...	0.211	0.171	0.208	0.229	0.202	0.214	0.206	9.37
93)	T	1,2,4-Trichlor...	0.995	0.972	0.892	0.939	0.937	0.865	0.933	5.21
94)	T	Hexachlorobuta...	0.425	0.365	0.351	0.337	0.341	0.365	0.364	8.79
95)	T	Naphthalene	3.081	2.983	3.167	3.304	3.139	3.030	3.117	3.65
96)	T	1,2,3-Trichlor...	1.043	1.012	0.902	0.952	0.925	0.913	0.958	5.97

(#) = Out of Range



Response = 6.484e-001 * Amt + 2.272e-002
Coef of Det (r^2) = 0.998890 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 1.080e+000 * Amt + 3.383e-002
Coef of Det (r^2) = 0.999438 Curve Fit: Linear
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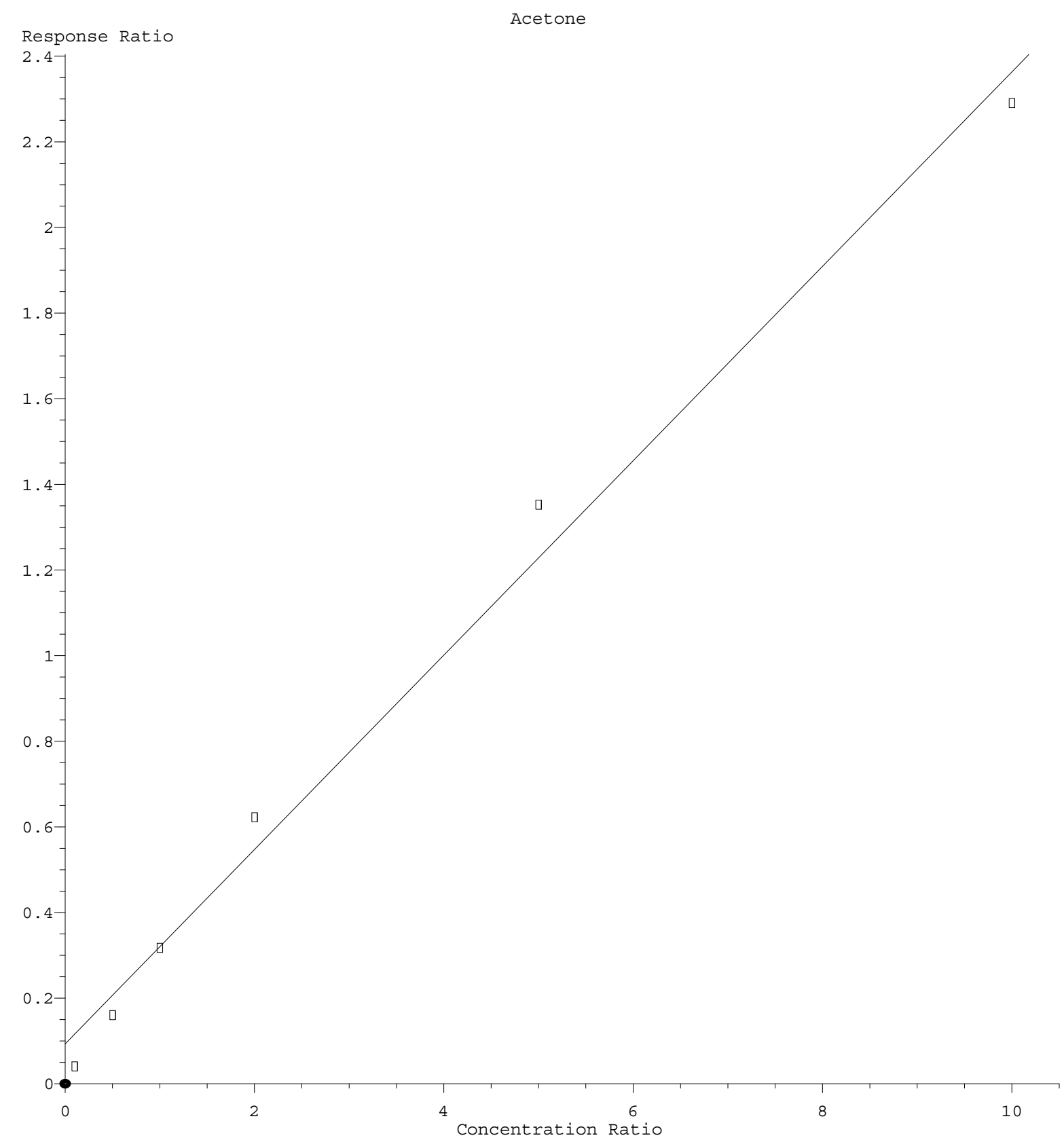
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 2.270e-001 * Amt + 9.342e-002
Coef of Det (r^2) = 0.990935 Curve Fit: Linear
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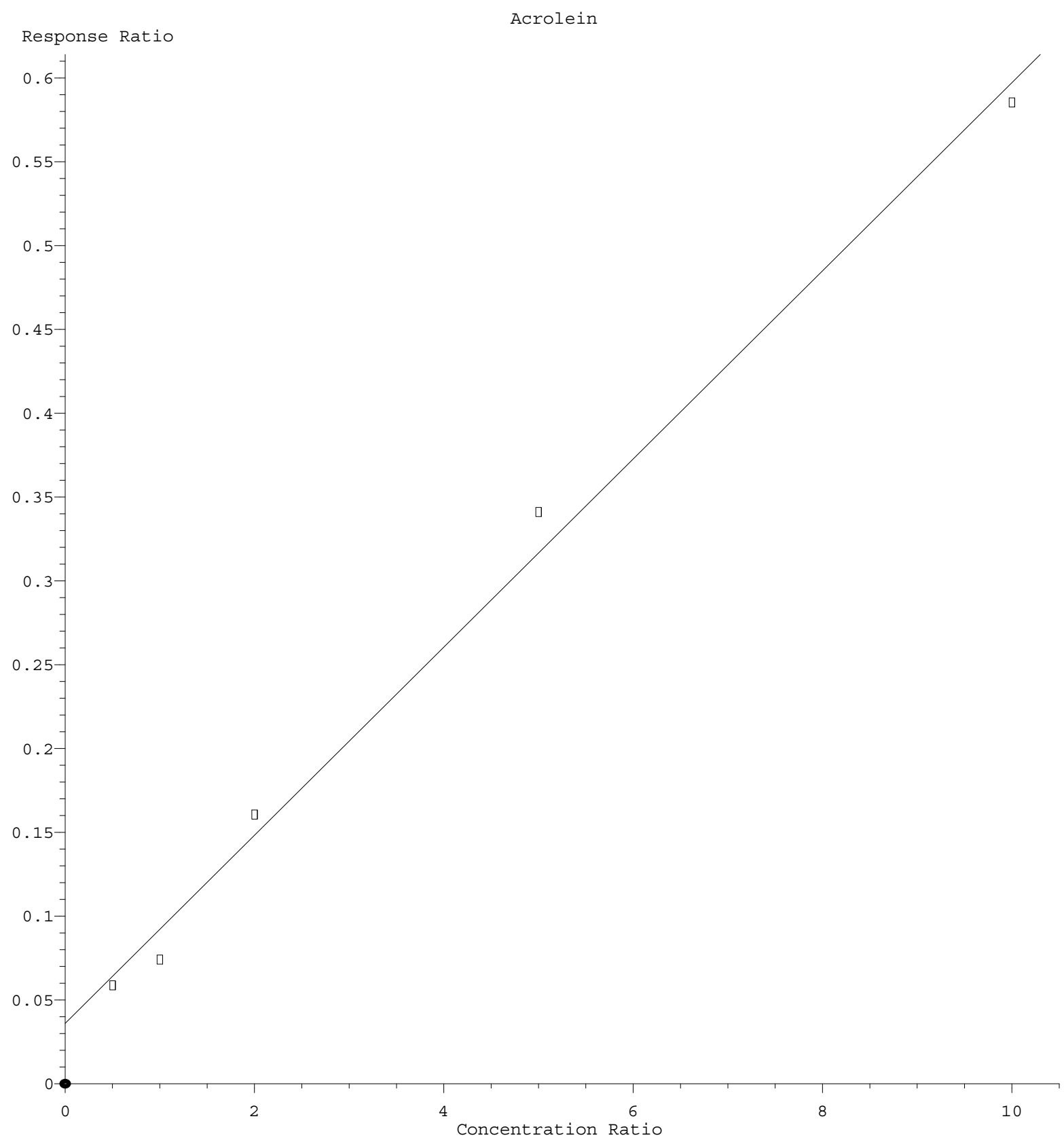
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 5.615e-002 * Amt + 3.618e-002
Coef of Det (r^2) = 0.993640 Curve Fit: Linear
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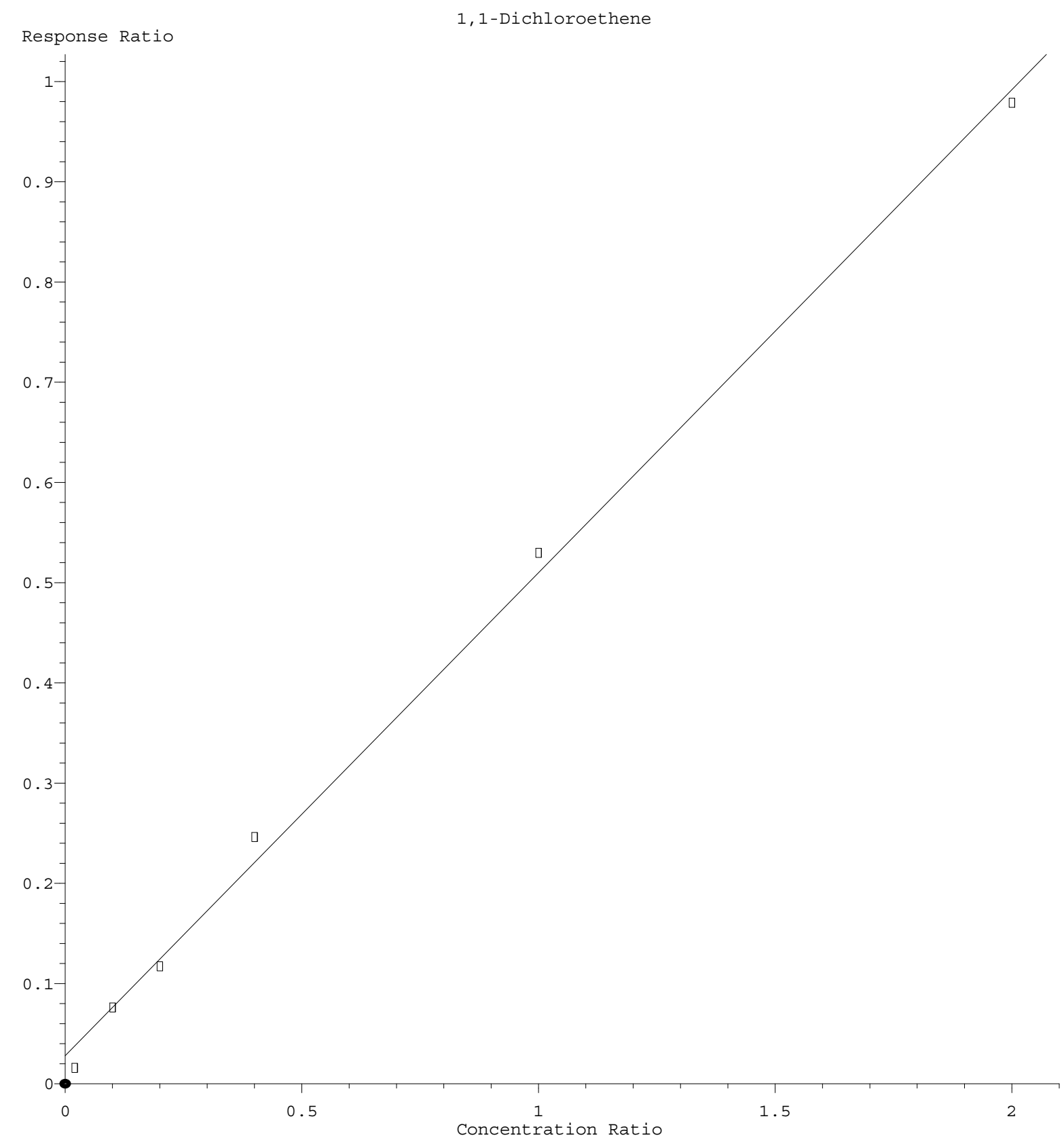
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 4.820e-001 * Amt + 2.846e-002
Coef of Det (r^2) = 0.997439 Curve Fit: Linear
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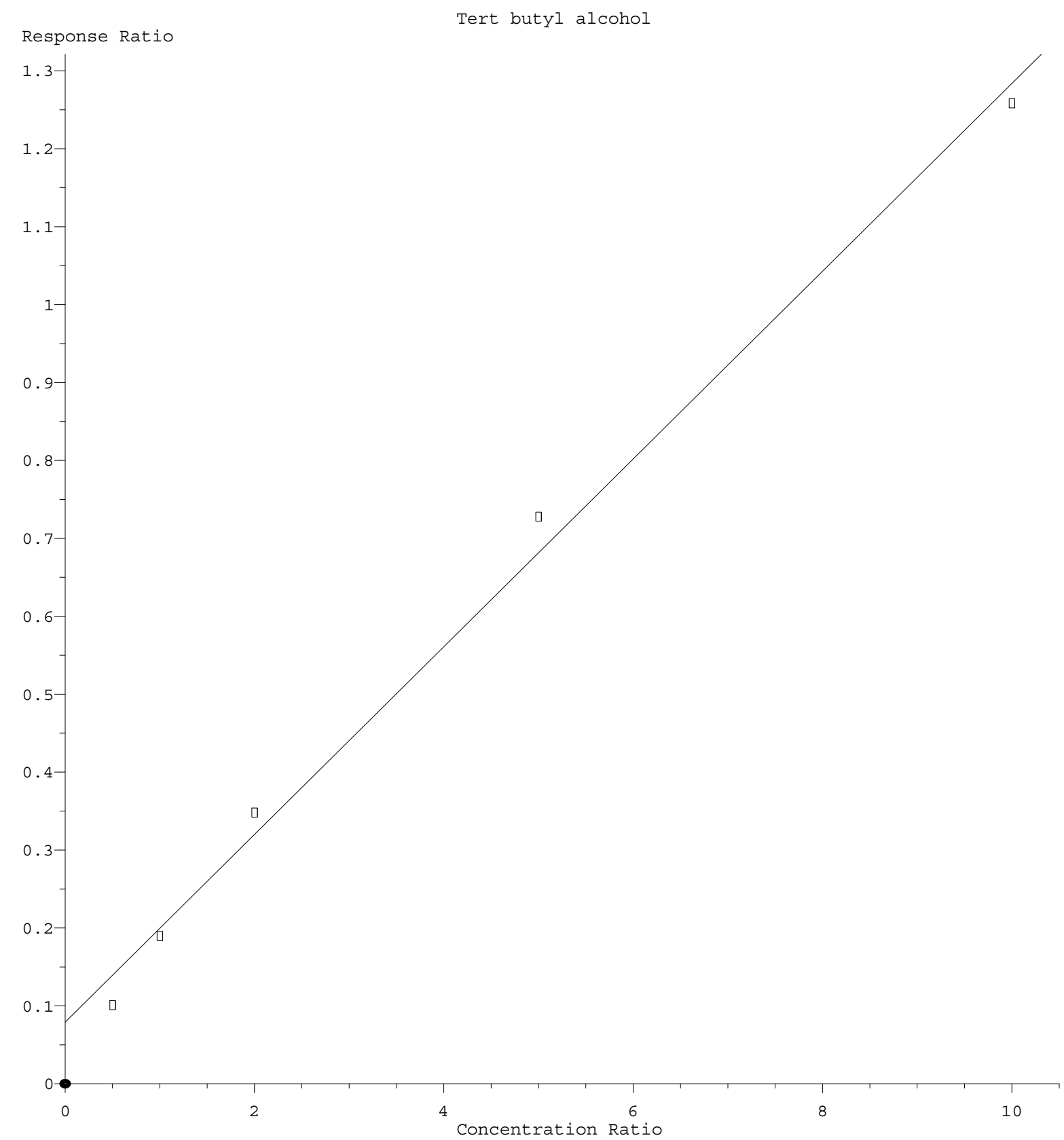
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 1.205e-001 * Amt + 7.904e-002
Coef of Det (r^2) = 0.994294 Curve Fit: Linear
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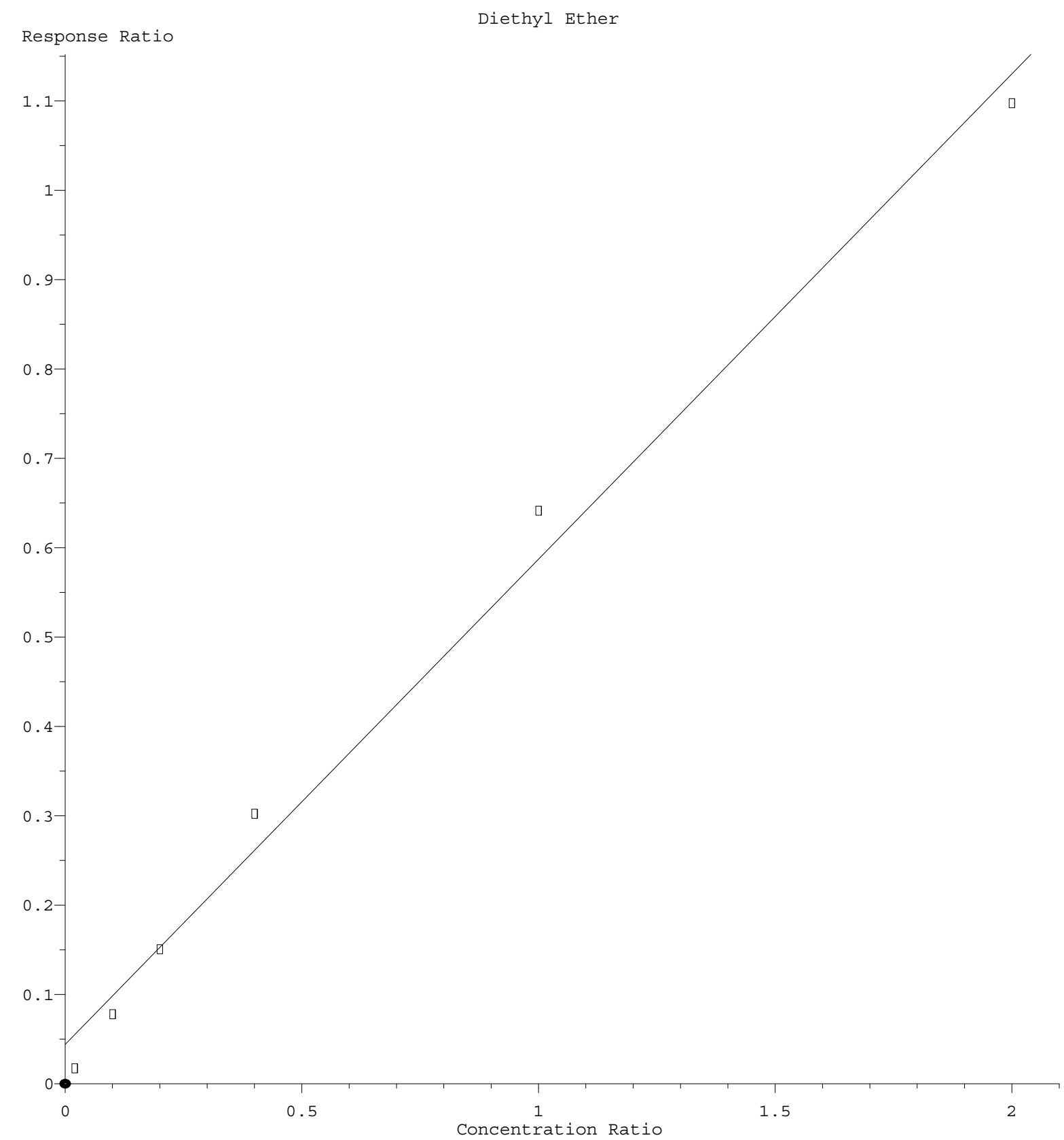
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 5.432e-001 * Amt + 4.426e-002
Coef of Det (r^2) = 0.991285 Curve Fit: Linear
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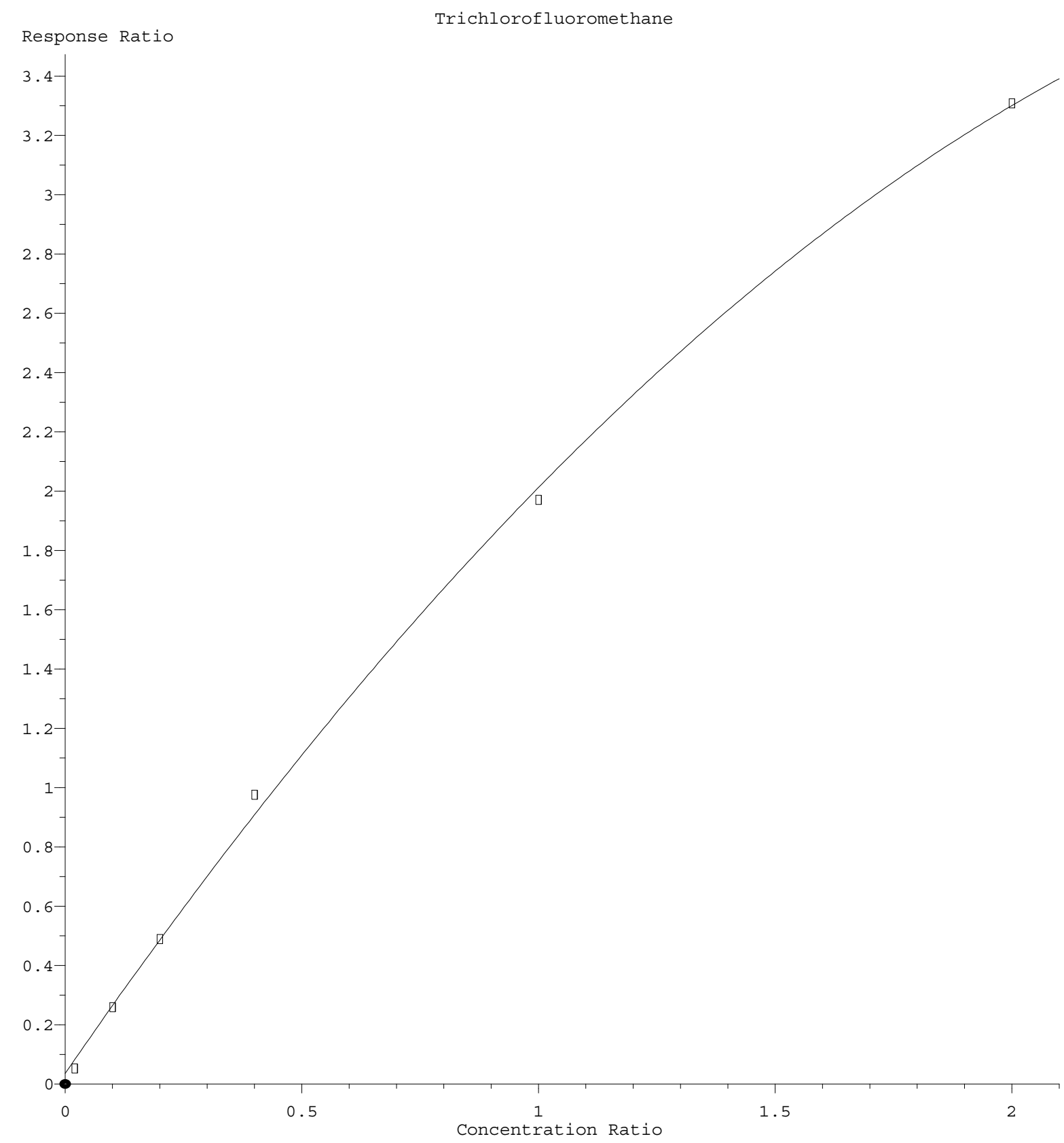
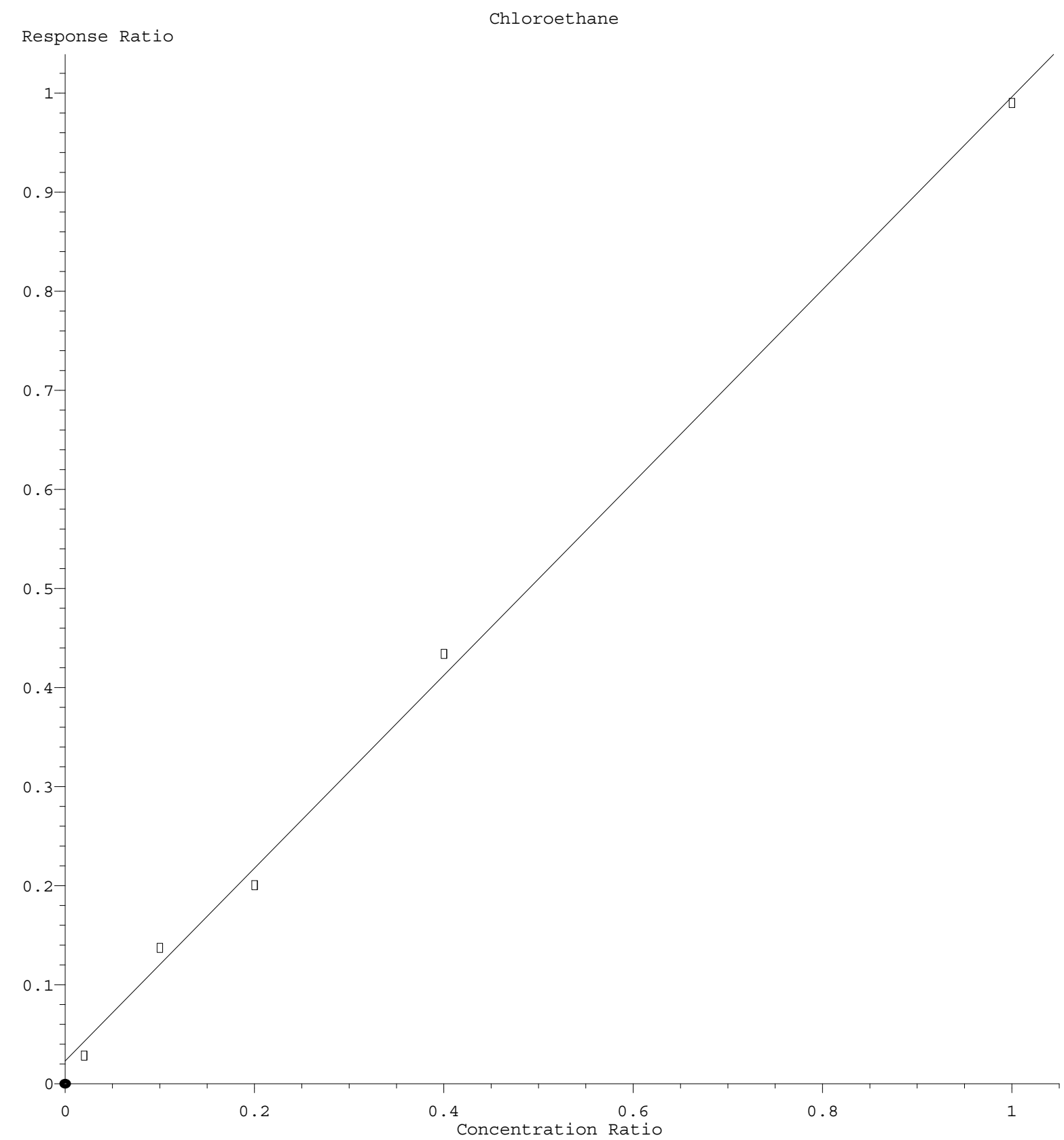
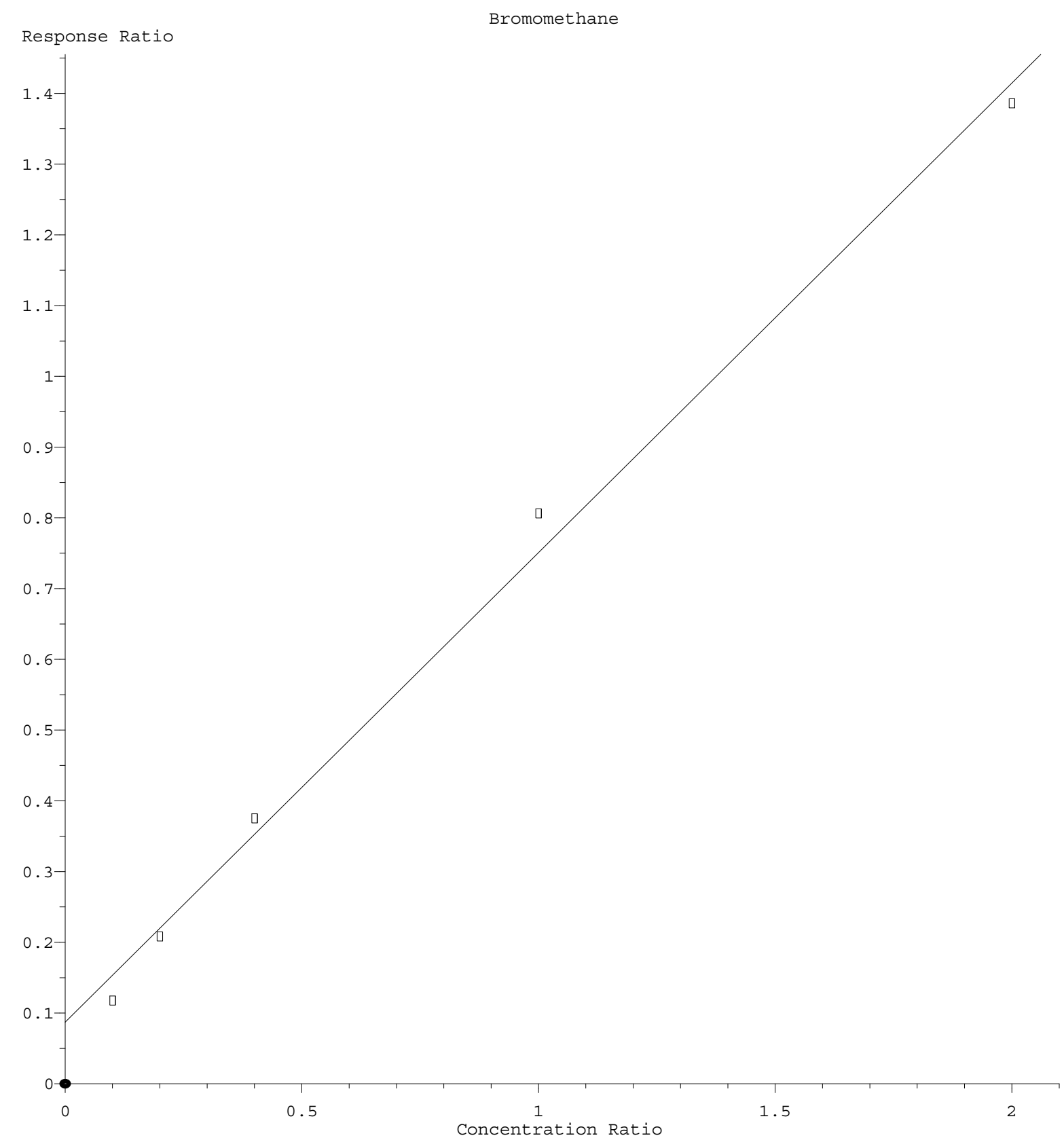
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



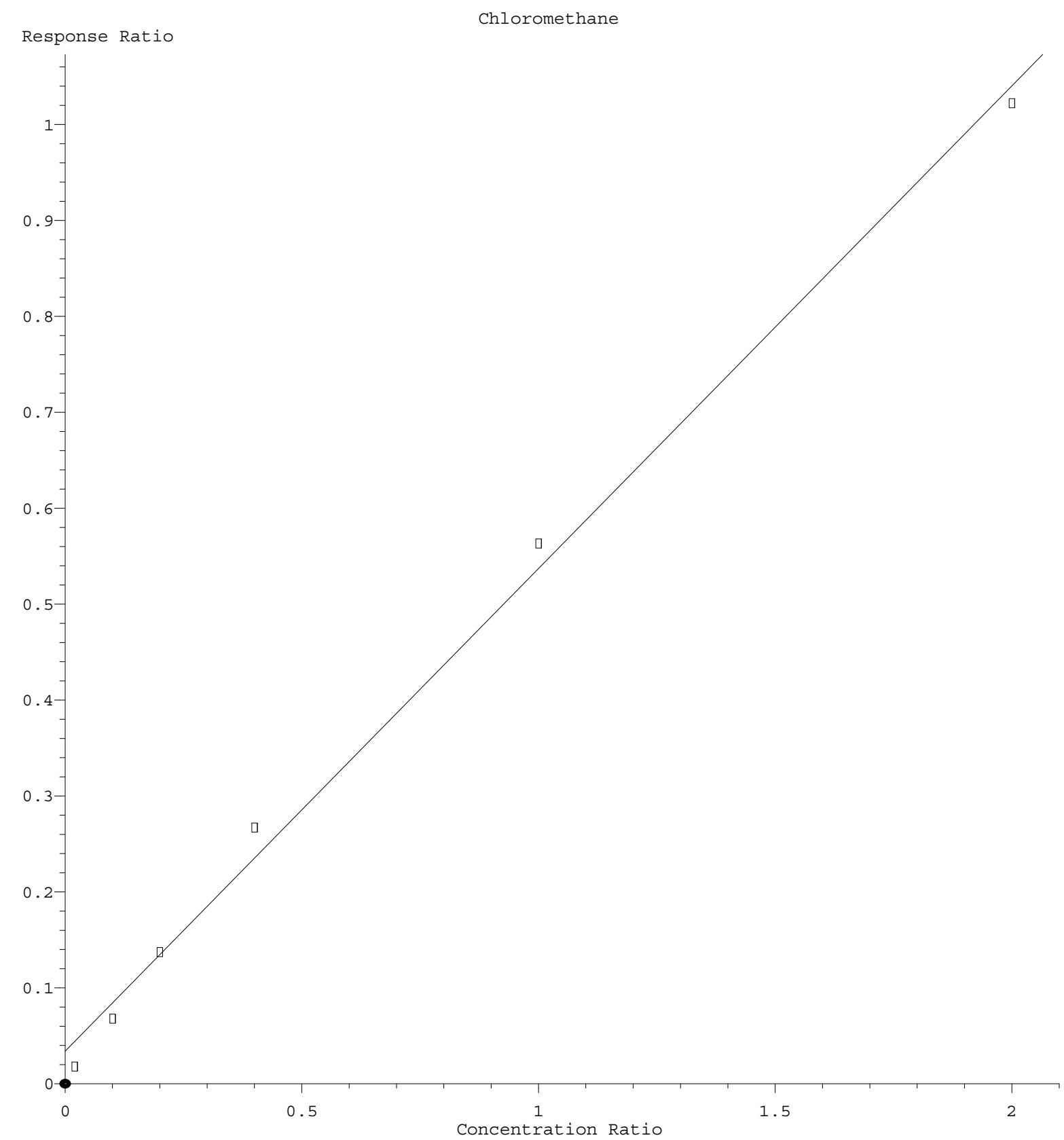
R = -3.435e-001 A*A + 2.319e+000 A + 3.632e-002
Coef of Det (r^2) = 0.999081 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



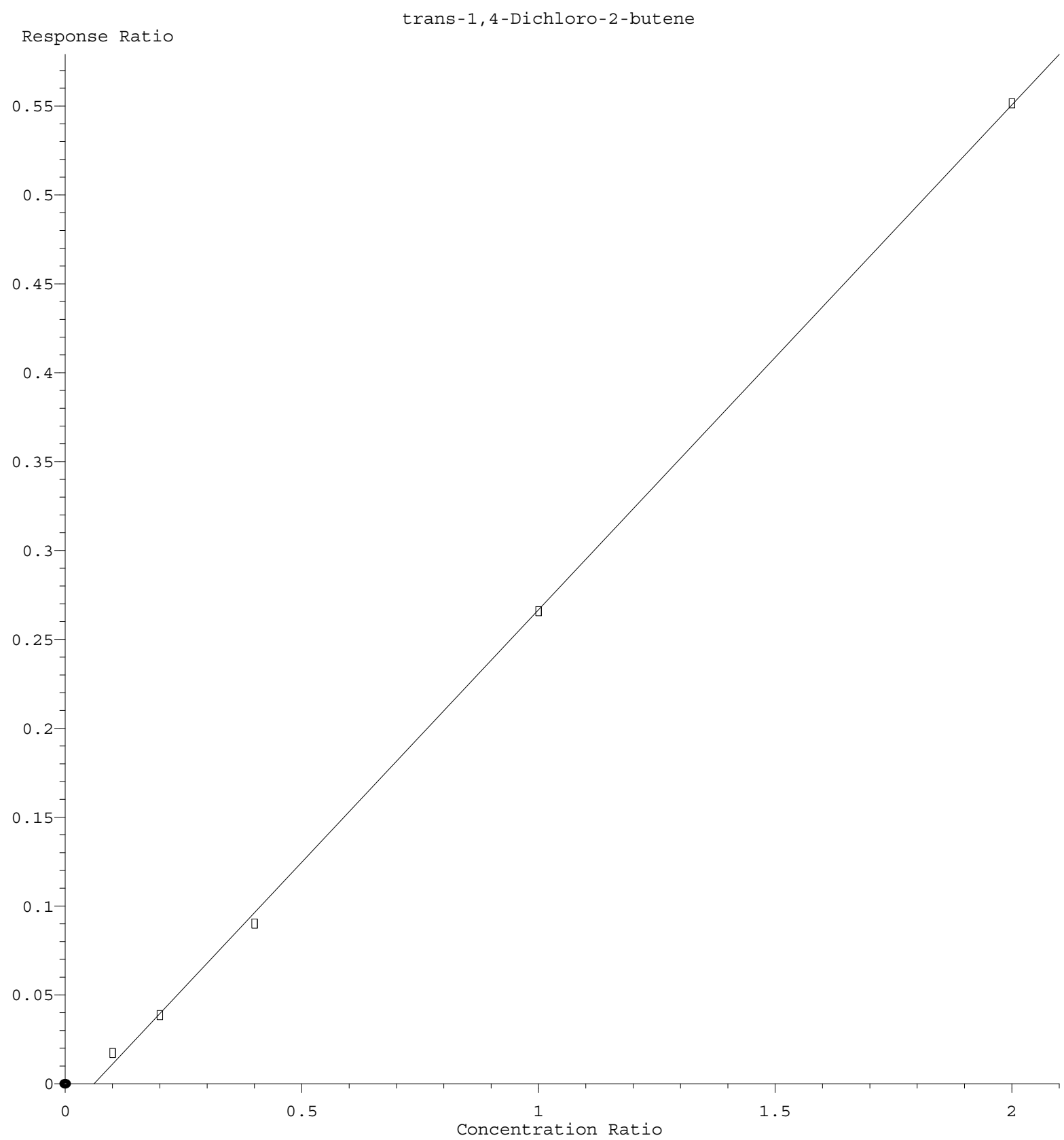
Response = 9.733e-001 * Amt + 2.315e-002
Coef of Det (r^2) = 0.997813 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



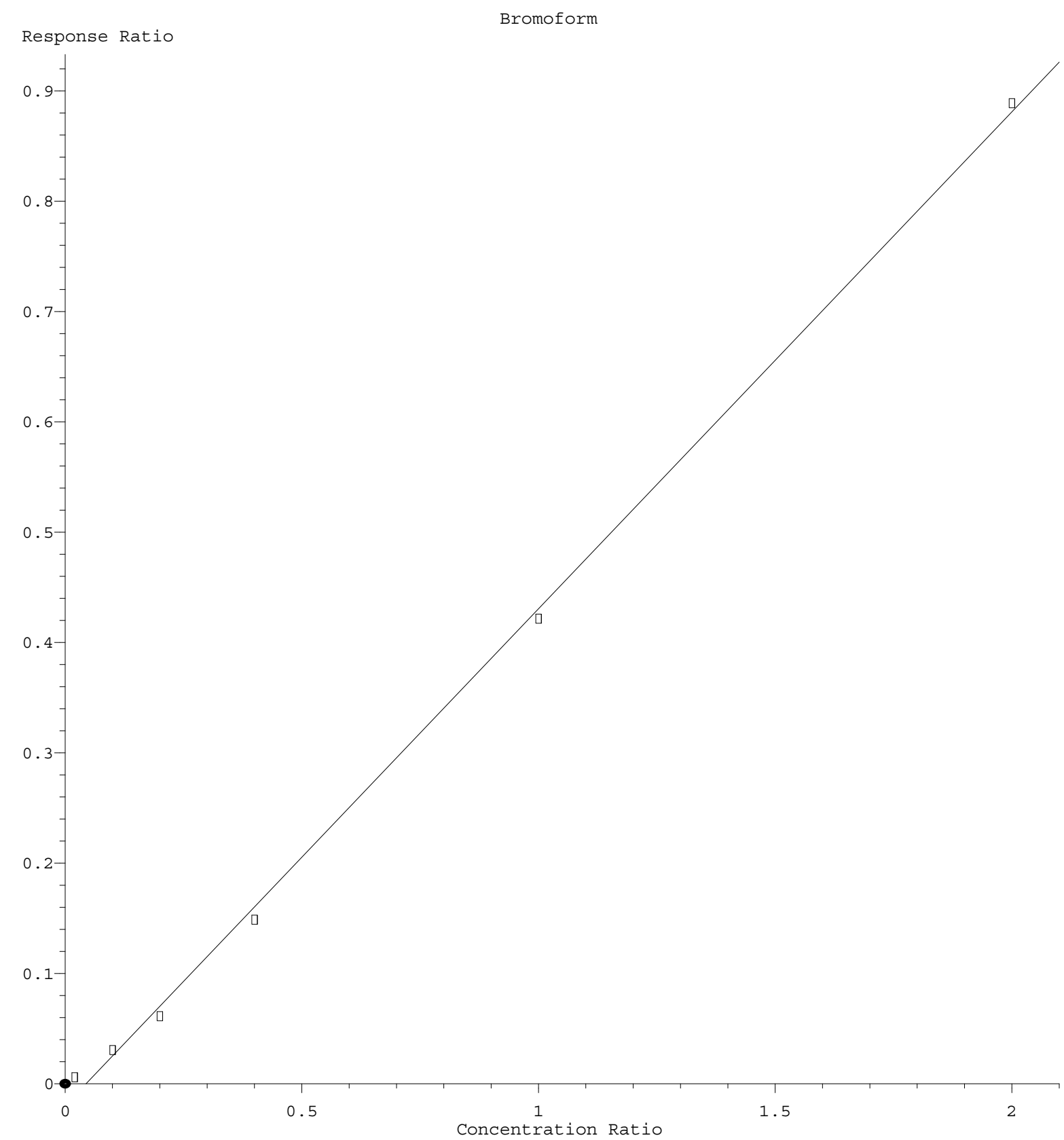
Response = 6.636e-001 * Amt + 8.750e-002
Coef of Det (r^2) = 0.994682 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



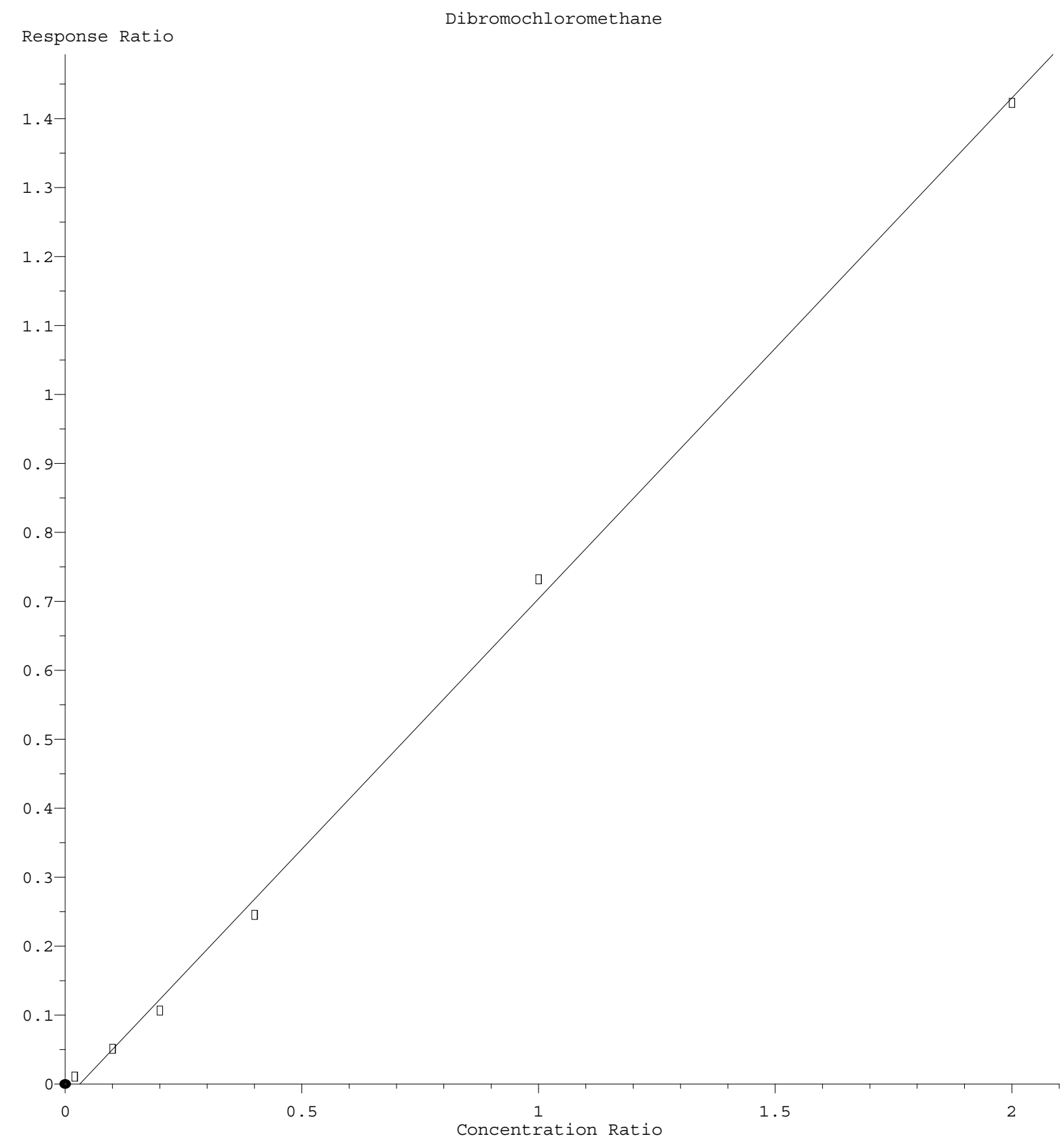
Response = 5.035e-001 * Amt + 3.374e-002
Coef of Det (r^2) = 0.995966 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 2.838e-001 * Amt - 1.732e-002
Coef of Det (r^2) = 0.999600 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 4.507e-001 * Amt - 2.001e-002
Coef of Det (r^2) = 0.998871 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 7.265e-001 * Amt - 2.238e-002
Coef of Det (r^2) = 0.998716 Curve Fit: Linear
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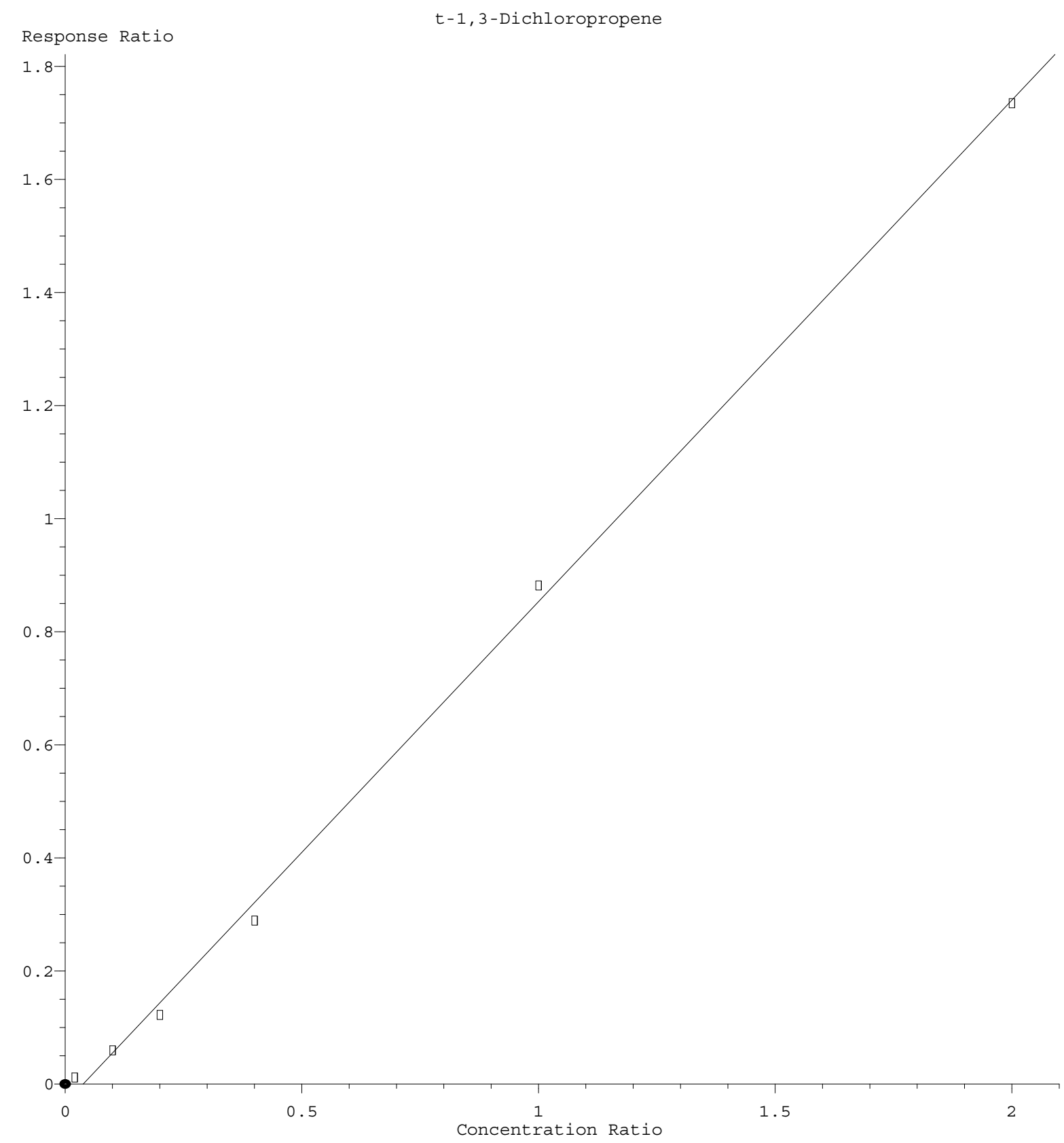
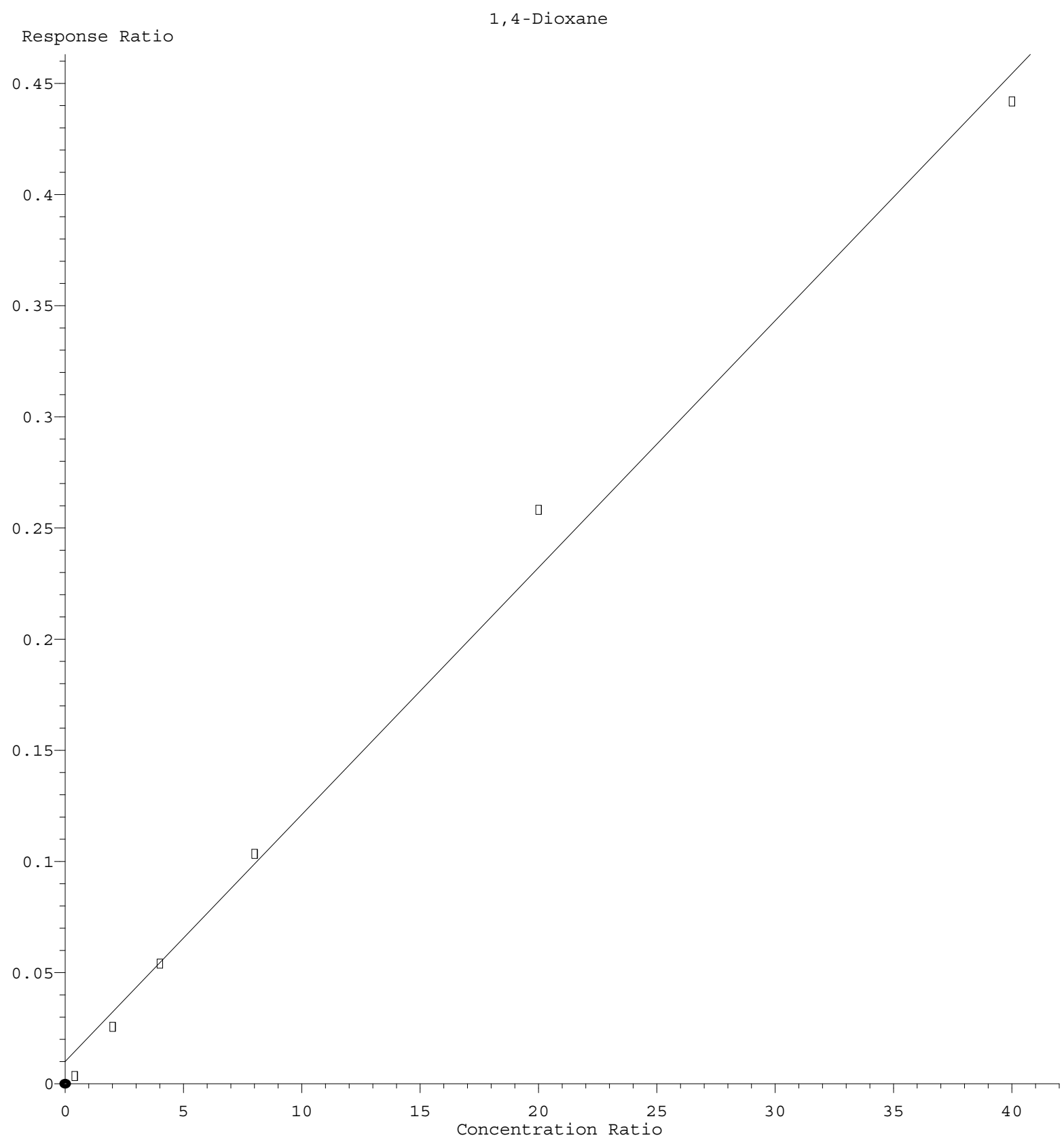
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 8.870e-001 * Amt - 3.344e-002
Coef of Det (r^2) = 0.998641 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022



Response = 1.114e-002 * Amt + 9.635e-003
Coef of Det (r^2) = 0.993008 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X092622W.M
Calibration Table Last Updated: Tue Sep 27 01:44:18 2022