Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y120922S.M
Title : SW846 8260
Last Update : Sat Dec 10 04:19:59 2022
Response Via : Initial Calibration

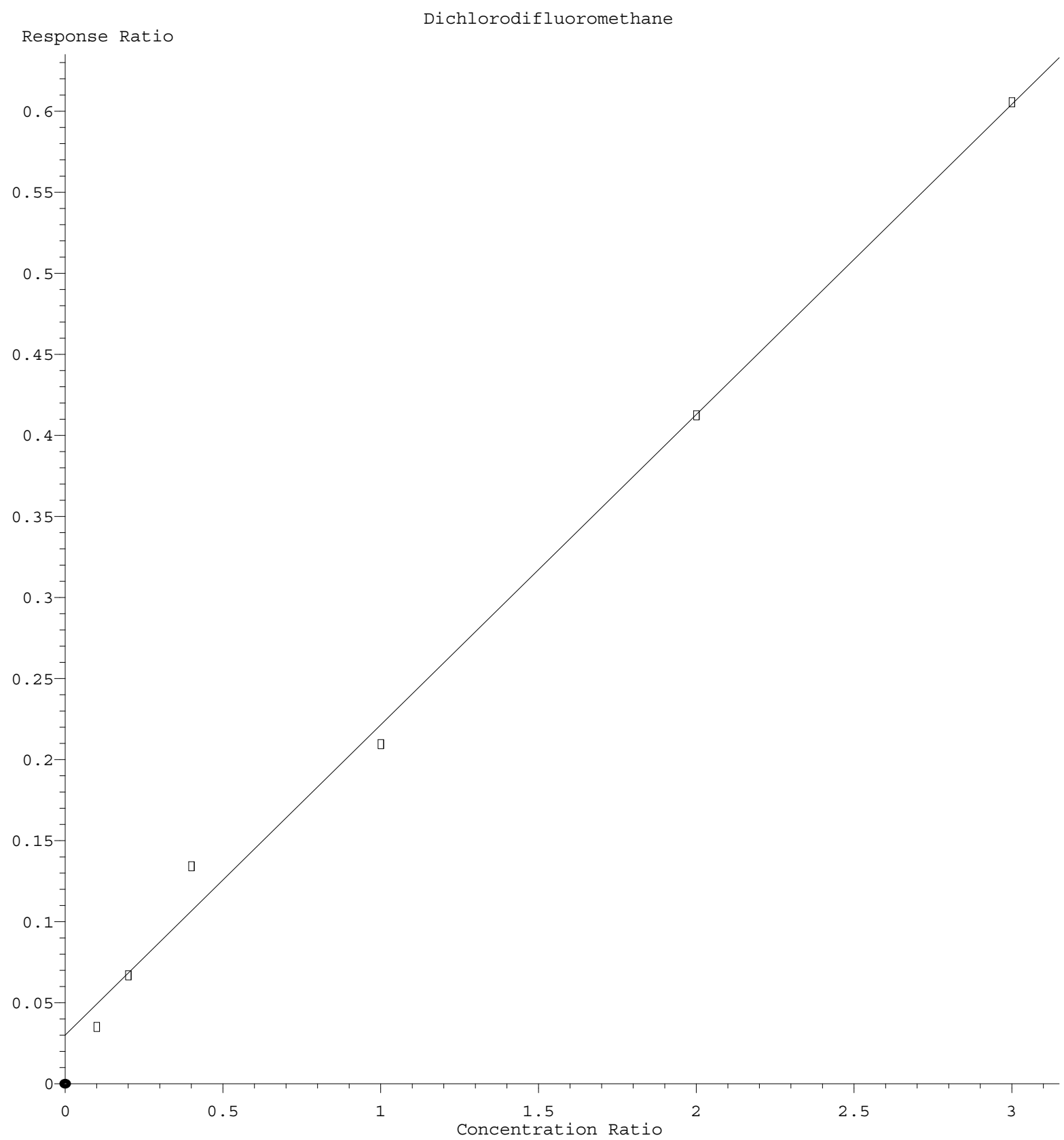
Calibration Files
5 =VY011736.D 10 =VY011737.D 20 =VY011738.D 50 =VY011739.D 100 =VY011740.D 150 =VY011741.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.350	0.334	0.336	0.209	0.206	0.202	0.273	27.03
3)	P	Chloromethane	0.369	0.357	0.336	0.264	0.256	0.252	0.306	17.72
4)	C	Vinyl Chloride	0.426	0.393	0.401	0.316	0.310	0.302	0.358	15.20#
5)	T	Bromomethane	0.314	0.287	0.257	0.215	0.206	0.202	0.247	18.94
6)	T	Chloroethane	0.280	0.276	0.269	0.224	0.218	0.219	0.248	12.19
7)	T	Trichlorofluor...	0.815	0.729	0.737	0.624	0.608	0.612	0.687	12.41
8)	T	Diethyl Ether	0.272	0.251	0.242	0.218	0.226	0.236	0.241	7.97
9)	T	1,1,2-Trichlor...	0.491	0.424	0.424	0.379	0.372	0.373	0.410	11.30
10)	T	Methyl Iodide	0.467	0.493	0.505	0.471	0.471	0.475	0.480	3.17
11)	T	Tert butyl alc...	0.090	0.080	0.061	0.041	0.043	0.052	0.061	33.14
12)	CM	1,1-Dichloroet...	0.424	0.386	0.384	0.343	0.342	0.341	0.370	9.15#
13)	T	Acrolein	0.070	0.076	0.071	0.065	0.069	0.072	0.070	5.28
14)	T	Allyl chloride	0.656	0.630	0.630	0.582	0.589	0.601	0.615	4.66
15)	T	Acrylonitrile	0.135	0.138	0.124	0.119	0.126	0.133	0.129	5.60
16)	T	Acetone	0.136	0.139	0.128	0.125	0.143	0.148	0.137	6.40
17)	T	Carbon Disulfide	0.927	0.938	0.929	0.771	0.753	0.753	0.845	11.21
18)	T	Methyl Acetate	0.630	0.395	0.367	0.287	0.308	0.326	0.386	32.66
19)	T	Methyl tert-bu...	1.199	1.164	1.132	1.105	1.149	1.202	1.159	3.30
20)	T	Methylene Chlo...	1.023	0.760	0.608	0.465	0.444	0.455	0.626	36.72
21)	T	trans-1,2-Dich...	0.469	0.437	0.434	0.388	0.384	0.383	0.416	8.66
22)	T	Diisopropyl ether	1.378	1.403	1.376	1.320	1.278	1.292	1.341	3.83
23)	T	Vinyl Acetate	0.631	0.788	0.769	0.783	0.797	0.822	0.765	8.87
24)	P	1,1-Dichloroet...	0.909	0.853	0.831	0.765	0.764	0.768	0.815	7.32
25)	T	2-Butanone	0.174	0.186	0.172	0.159	0.175	0.187	0.176	5.76
26)	T	2,2-Dichloropr...	0.862	0.803	0.772	0.721	0.718	0.725	0.767	7.52
27)	T	cis-1,2-Dichlo...	0.547	0.528	0.517	0.481	0.485	0.491	0.508	5.24
28)	T	Bromochloromet...	0.338	0.304	0.295	0.283	0.280	0.280	0.297	7.44
29)	T	Tetrahydrofuran	0.103	0.105	0.100	0.092	0.098	0.103	0.100	4.78
30)	C	Chloroform	0.963	0.917	0.880	0.831	0.810	0.826	0.871	6.88#
31)	T	Cyclohexane	0.848	0.698	0.669	0.584	0.562	0.559	0.653	17.05
32)	T	1,1,1-Trichlor...	0.845	0.798	0.801	0.738	0.739	0.740	0.777	5.77
33)	S	1,2-Dichloroet...	0.501	0.504	0.473	0.315	0.318	0.324	0.406	23.64
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.294	0.292	0.288	0.217	0.210	0.212	0.252	17.06
36)	T	1,1-Dichloropr...	0.421	0.386	0.393	0.368	0.357	0.351	0.379	6.91
37)	T	Ethyl Acetate	0.241	0.224	0.213	0.214	0.215	0.225	0.222	4.70
38)	T	Carbon Tetrach...	0.484	0.448	0.463	0.438	0.423	0.417	0.446	5.68
39)	T	Methylcyclohexane	0.457	0.423	0.449	0.420	0.409	0.404	0.427	5.00
40)	TM	Benzene	1.220	1.163	1.177	1.099	1.071	1.071	1.134	5.49
41)	T	Methacrylonitrile	0.117	0.111	0.109	0.112	0.118	0.105	0.112	4.30
42)	TM	1,2-Dichloroet...	0.382	0.362	0.350	0.337	0.334	0.338	0.351	5.34
43)	T	Isopropyl Acetate	0.394	0.420	0.390	0.383	0.403	0.423	0.402	4.06
44)	TM	Trichloroethene	0.350	0.329	0.326	0.303	0.298	0.299	0.317	6.57
45)	C	1,2-Dichloropr...	0.314	0.302	0.297	0.286	0.279	0.281	0.293	4.70#
46)	T	Dibromomethane	0.177	0.173	0.165	0.156	0.155	0.158	0.164	5.68
47)	T	Bromodichlorom...	0.454	0.431	0.421	0.415	0.410	0.414	0.424	3.87
48)	T	Methyl methacr...	0.168	0.177	0.170	0.174	0.185	0.190	0.177	4.79
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.28
50)	S	Toluene-d8	1.063	1.096	1.113	0.696	0.670	0.668	0.885	25.64
51)	T	4-Methyl-2-Pen...	0.213	0.226	0.215	0.216	0.225	0.234	0.222	3.65
52)	CM	Toluene	0.758	0.732	0.747	0.709	0.691	0.687	0.721	4.10#
53)	T	t-1,3-Dichloro...	0.440	0.427	0.421	0.412	0.418	0.424	0.424	2.21
54)	T	cis-1,3-Dichlo...	0.497	0.479	0.481	0.468	0.463	0.469	0.476	2.59
55)	T	1,1,2-Trichlor...	0.261	0.250	0.244	0.232	0.232	0.236	0.243	4.72
56)	T	Ethyl methacry...	0.284	0.311	0.310	0.315	0.325	0.336	0.313	5.63

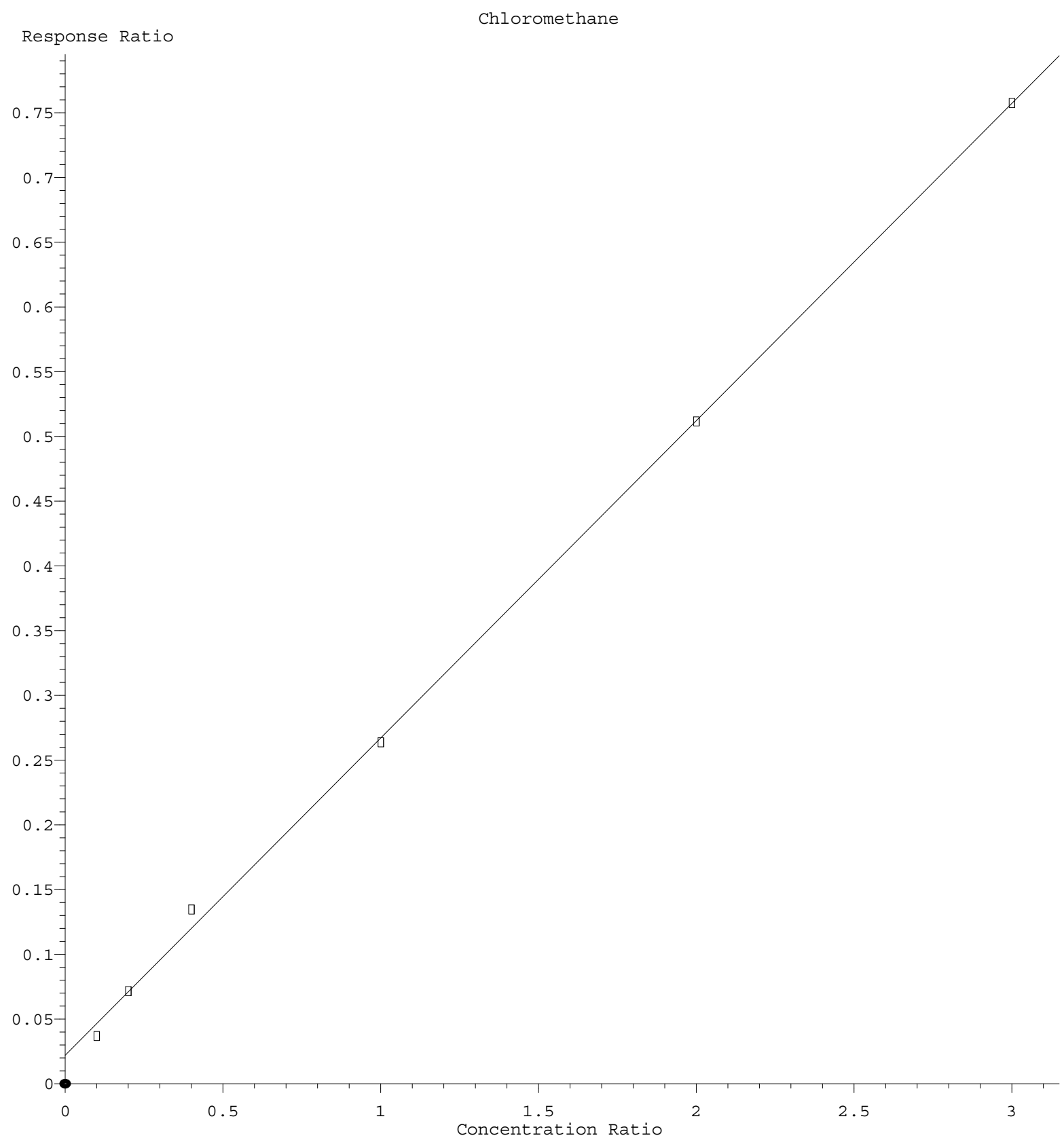
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y120922S.M

57)	T	1,3-Dichloropr...	0.419	0.425	0.412	0.391	0.387	0.393	0.405	3.93
58)	T	2-Chloroethyl ...	0.143	0.142	0.145	0.143	0.147	0.151	0.145	2.22
59)	T	2-Hexanone	0.142	0.160	0.155	0.156	0.167	0.171	0.158	6.48
60)	T	Dibromochlorom...	0.326	0.312	0.302	0.293	0.293	0.298	0.304	4.21
61)	T	1,2-Dibromoethane	0.229	0.230	0.222	0.212	0.210	0.215	0.220	3.89
62)	S	4-Bromofluorob...	0.432	0.394	0.386	0.276	0.275	0.274	0.340	21.36
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.409	0.358	0.369	0.339	0.330	0.318	0.354	9.22
65)	PM	Chlorobenzene	0.979	0.917	0.918	0.873	0.864	0.854	0.901	5.20
66)	T	1,1,1,2-Tetrac...	0.364	0.361	0.346	0.345	0.344	0.338	0.350	2.99
67)	C	Ethyl Benzene	1.640	1.576	1.614	1.573	1.568	1.553	1.587	2.05#
68)	T	m/p-Xylenes	0.624	0.611	0.626	0.600	0.596	0.591	0.608	2.44
69)	T	o-Xylene	0.583	0.579	0.592	0.576	0.575	0.572	0.579	1.25
70)	T	Styrene	0.974	0.986	1.014	0.992	0.985	0.982	0.989	1.39
71)	P	Bromoform	0.227	0.221	0.212	0.210	0.209	0.213	0.216	3.25
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.301	3.119	3.329	3.275	3.175	3.237	3.240	2.46
74)	T	N-amyl acetate	0.724	0.778	0.747	0.773	0.804	0.846	0.779	5.51
75)	P	1,1,2,2-Tetrac...	0.681	0.651	0.614	0.604	0.603	0.632	0.631	4.90
76)	T	1,2,3-Trichlor...	0.647	0.428	0.496	0.488	0.479	0.497	0.506	14.60
77)	T	Bromobenzene	0.789	0.755	0.760	0.746	0.734	0.755	0.756	2.41
78)	T	n-propylbenzene	4.098	3.795	3.974	3.883	3.756	3.787	3.882	3.41
79)	T	2-Chlorotoluene	2.346	2.194	2.259	2.193	2.140	2.163	2.216	3.39
80)	T	1,3,5-Trimethy...	2.848	2.681	2.823	2.741	2.665	2.672	2.738	2.93
81)	T	trans-1,4-Dich...	0.216	0.233	0.213	0.219	0.222	0.235	0.223	3.97
82)	T	4-Chlorotoluene	2.473	2.280	2.337	2.255	2.195	2.249	2.298	4.23
83)	T	tert-Butylbenzene	2.444	2.269	2.426	2.437	2.356	2.373	2.384	2.81
84)	T	1,2,4-Trimethy...	2.819	2.593	2.790	2.687	2.622	2.665	2.696	3.36
85)	T	sec-Butylbenzene	3.757	3.428	3.645	3.584	3.437	3.453	3.551	3.78
86)	T	p-Isopropyltol...	3.084	2.846	2.997	2.983	2.903	2.920	2.955	2.83
87)	T	1,3-Dichlorobe...	1.657	1.532	1.547	1.483	1.443	1.470	1.522	5.05
88)	T	1,4-Dichlorobe...	1.719	1.524	1.518	1.454	1.421	1.442	1.513	7.22
89)	T	n-Butylbenzene	2.819	2.570	2.757	2.706	2.641	2.626	2.687	3.42
90)	T	Hexachloroethane	0.674	0.578	0.604	0.564	0.550	0.554	0.587	7.93
91)	T	1,2-Dichlorobe...	1.550	1.381	1.375	1.326	1.286	1.302	1.370	7.01
92)	T	1,2-Dibromo-3-...	0.116	0.114	0.107	0.104	0.106	0.114	0.110	4.66
93)	T	1,2,4-Trichlor...	0.812	0.757	0.795	0.784	0.825	0.820	0.799	3.22
94)	T	Hexachlorobuta...	0.581	0.508	0.514	0.491	0.482	0.470	0.508	7.73
95)	T	Naphthalene	1.390	1.390	1.451	1.558	1.735	1.760	1.547	10.79
96)	T	1,2,3-Trichlor...	0.716	0.641	0.668	0.682	0.723	0.710	0.690	4.59

(#) = Out of Range



Response = 1.913e-001 * Amt + 3.030e-002
Coef of Det (r^2) = 0.995518 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



Response = 2.450e-001 * Amt + 2.240e-002
Coef of Det (r^2) = 0.999218 Curve Fit: Linear
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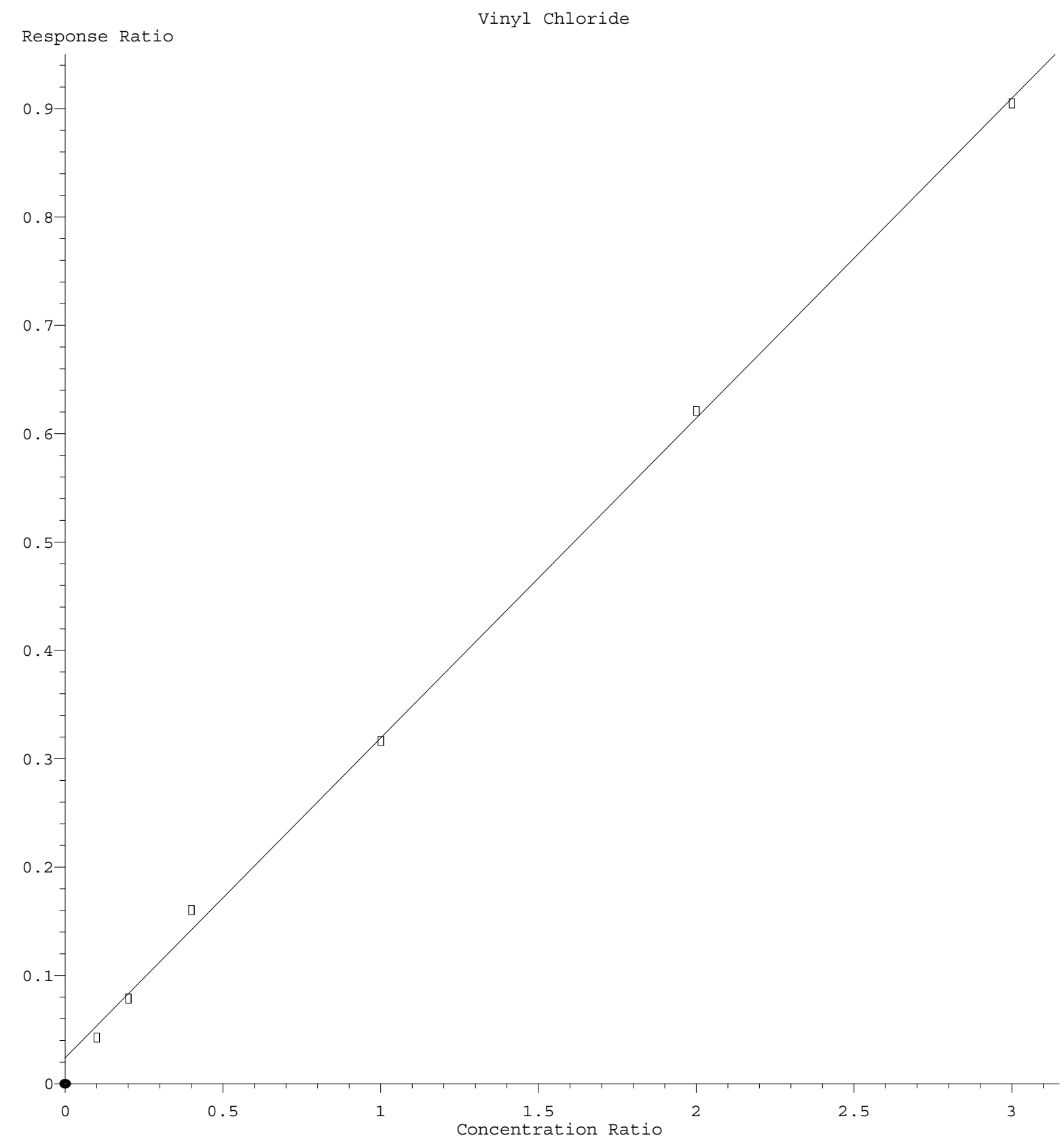
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



Response = 2.951e-001 * Amt + 2.439e-002
Coef of Det (r^2) = 0.999070 Curve Fit: Linear
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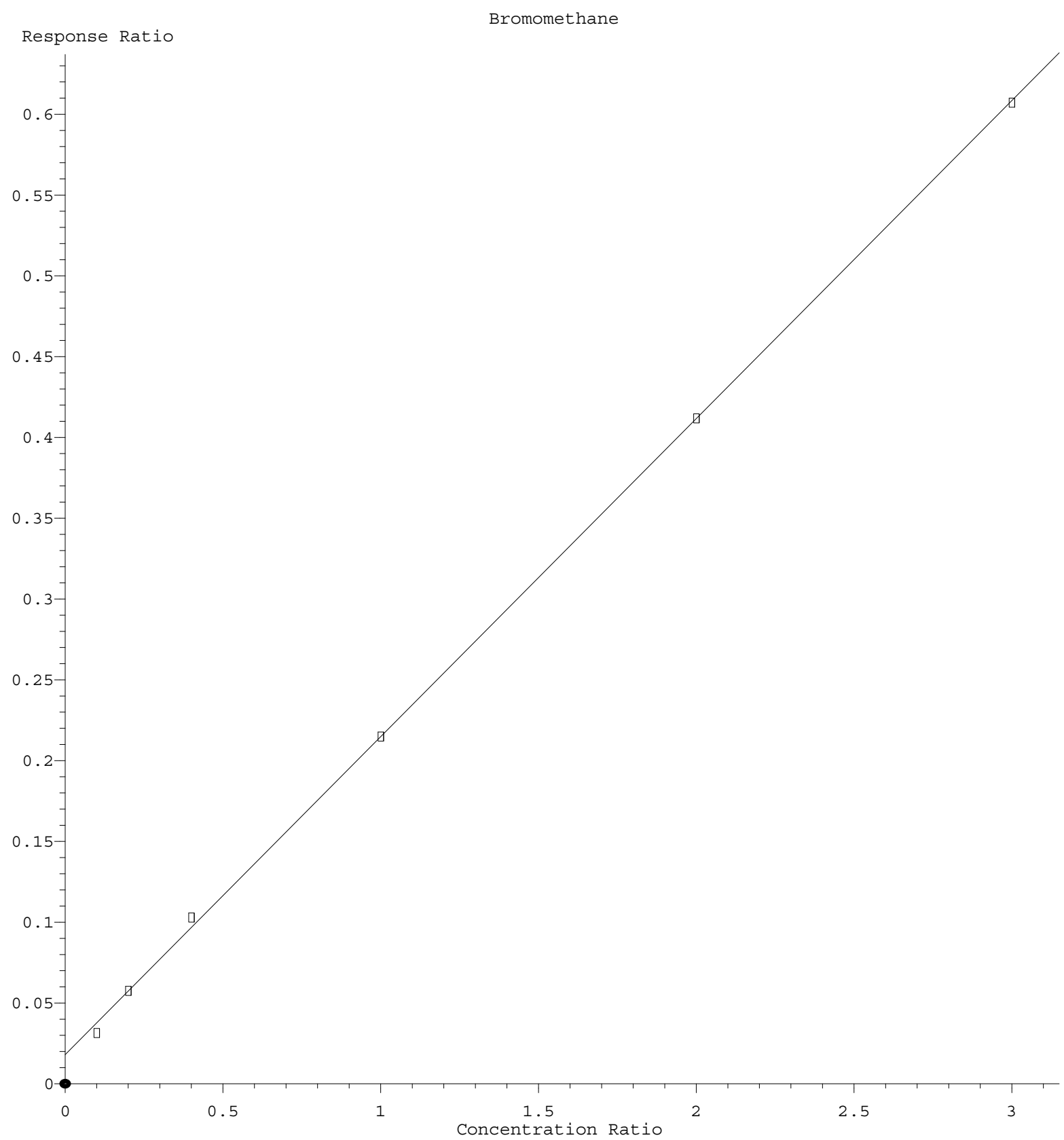
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



Response = 1.967e-001 * Amt + 1.791e-002
Coef of Det (r^2) = 0.999696 Curve Fit: Linear
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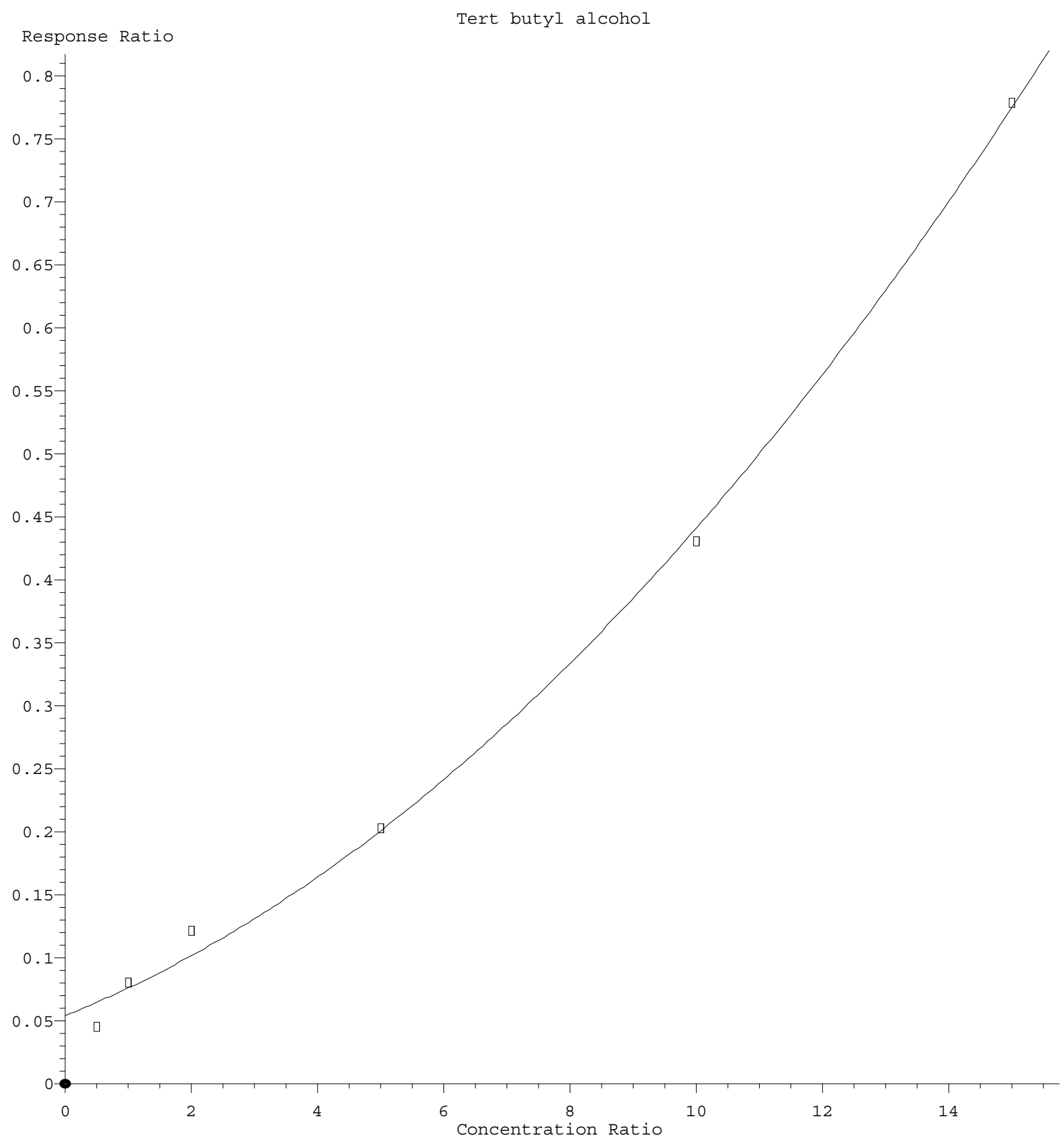
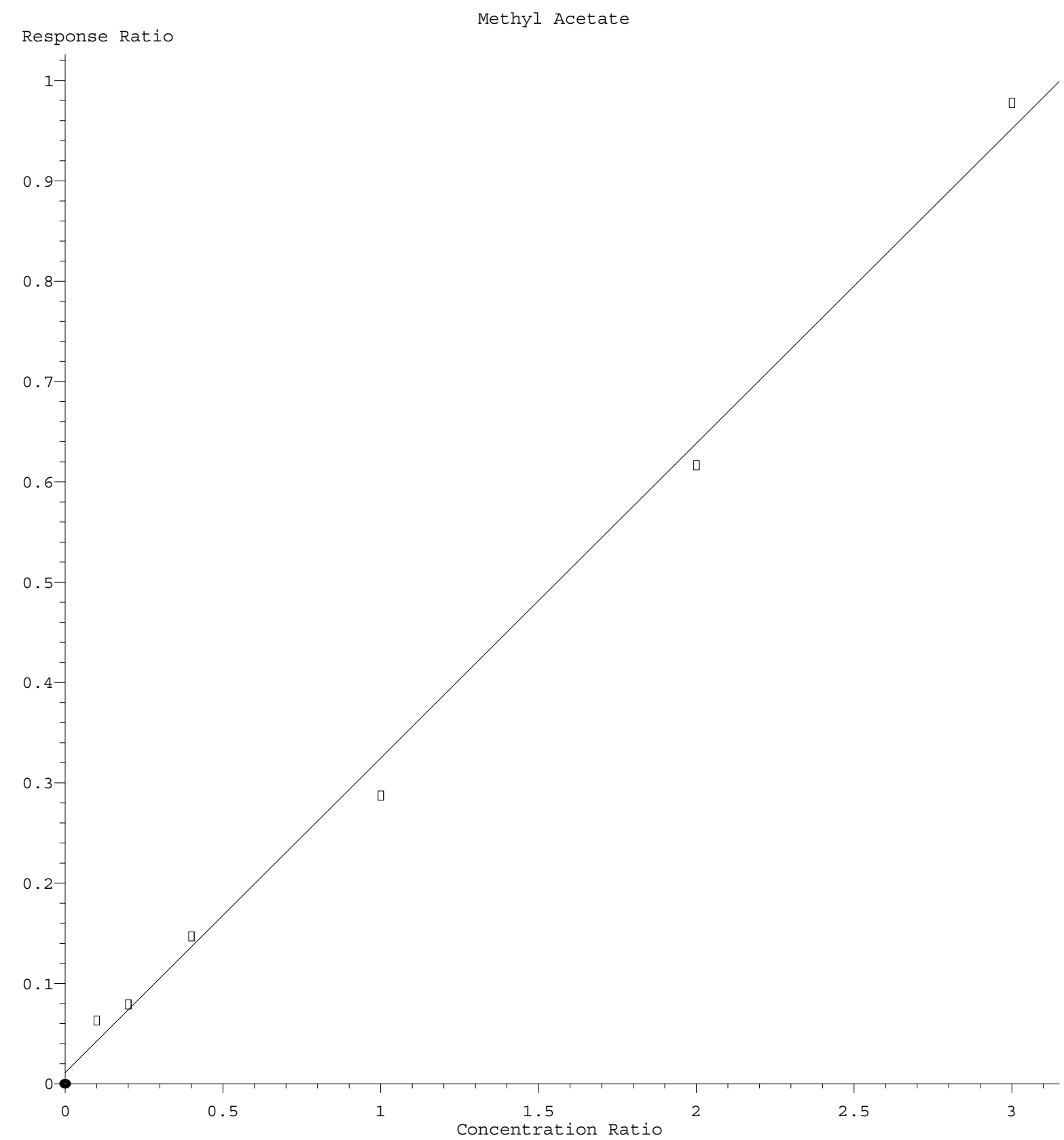
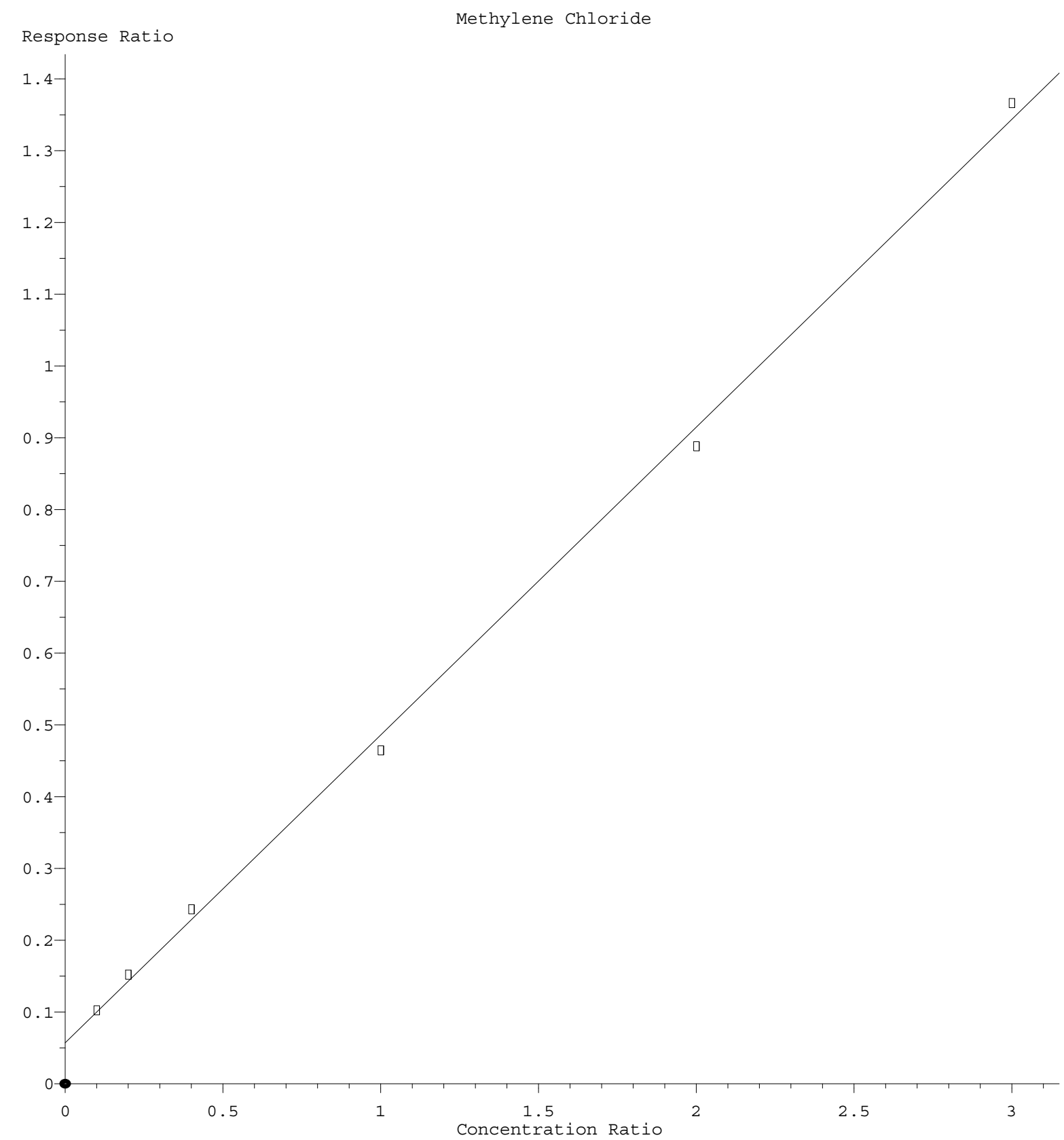
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



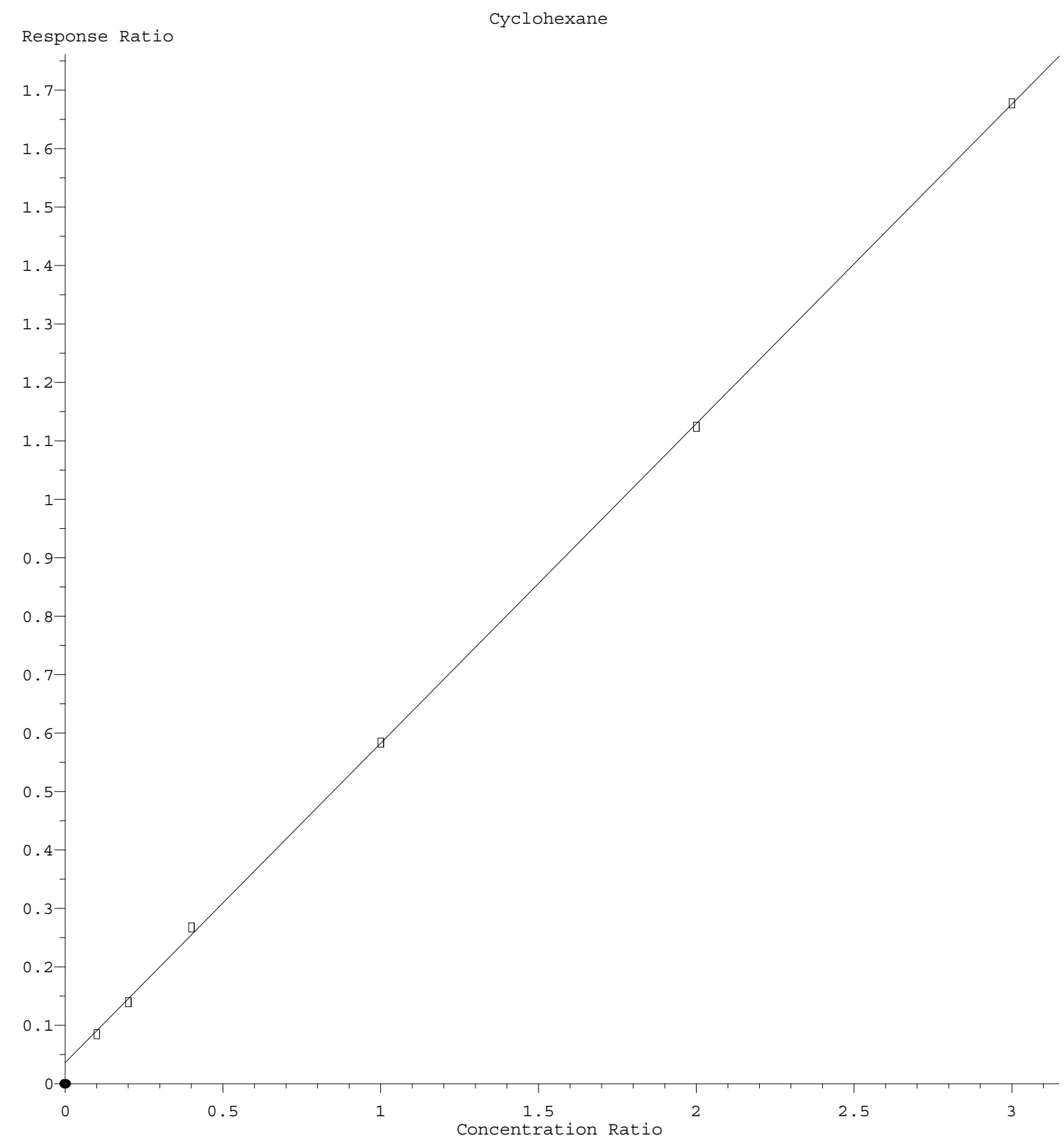
R = 1.867e-003 A*A + 2.002e-002 A + 5.415e-002
Coef of Det (r^2) = 0.997685 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



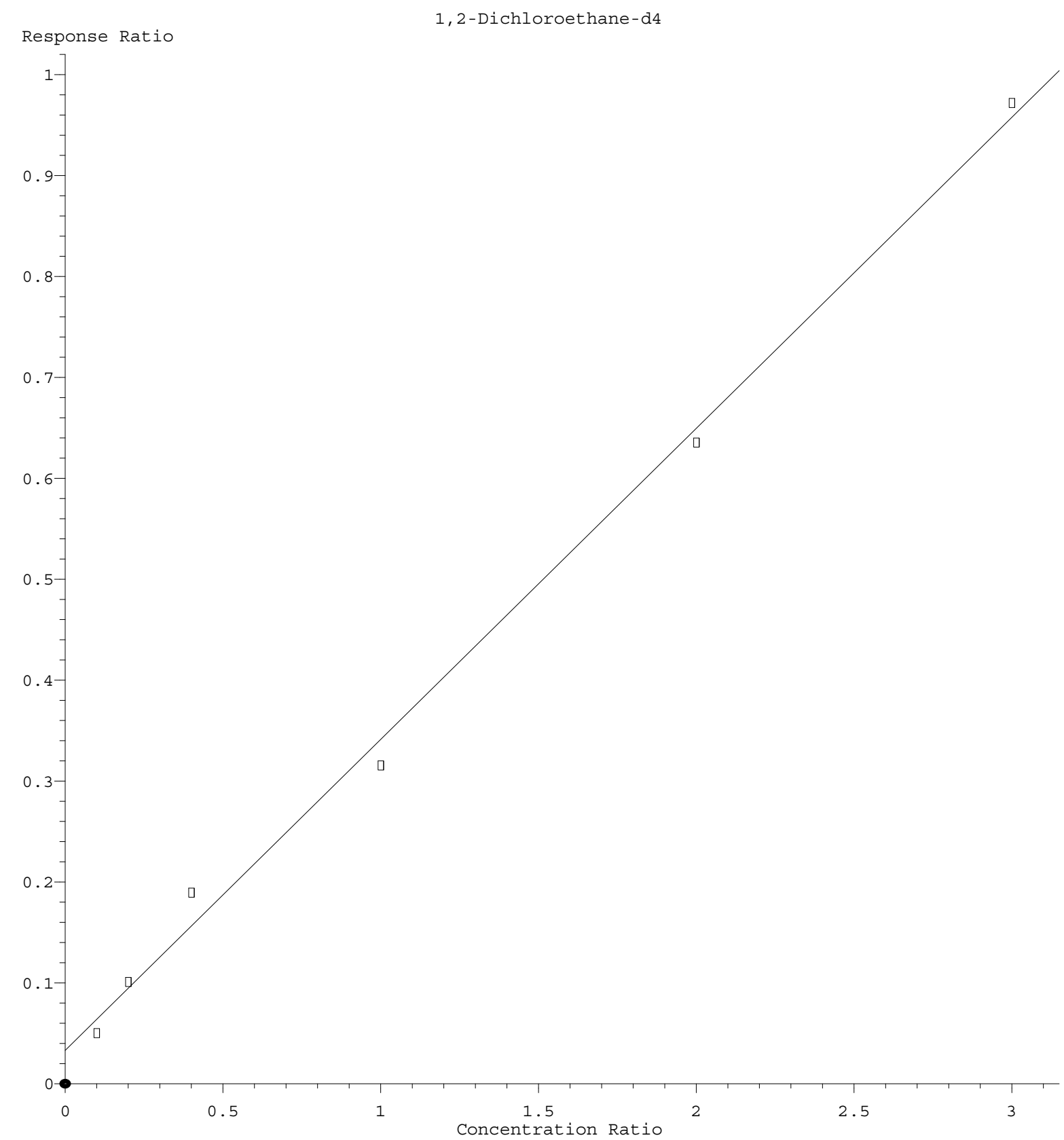
Response = 3.137e-001 * Amt + 1.144e-002
Coef of Det (r^2) = 0.995354 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



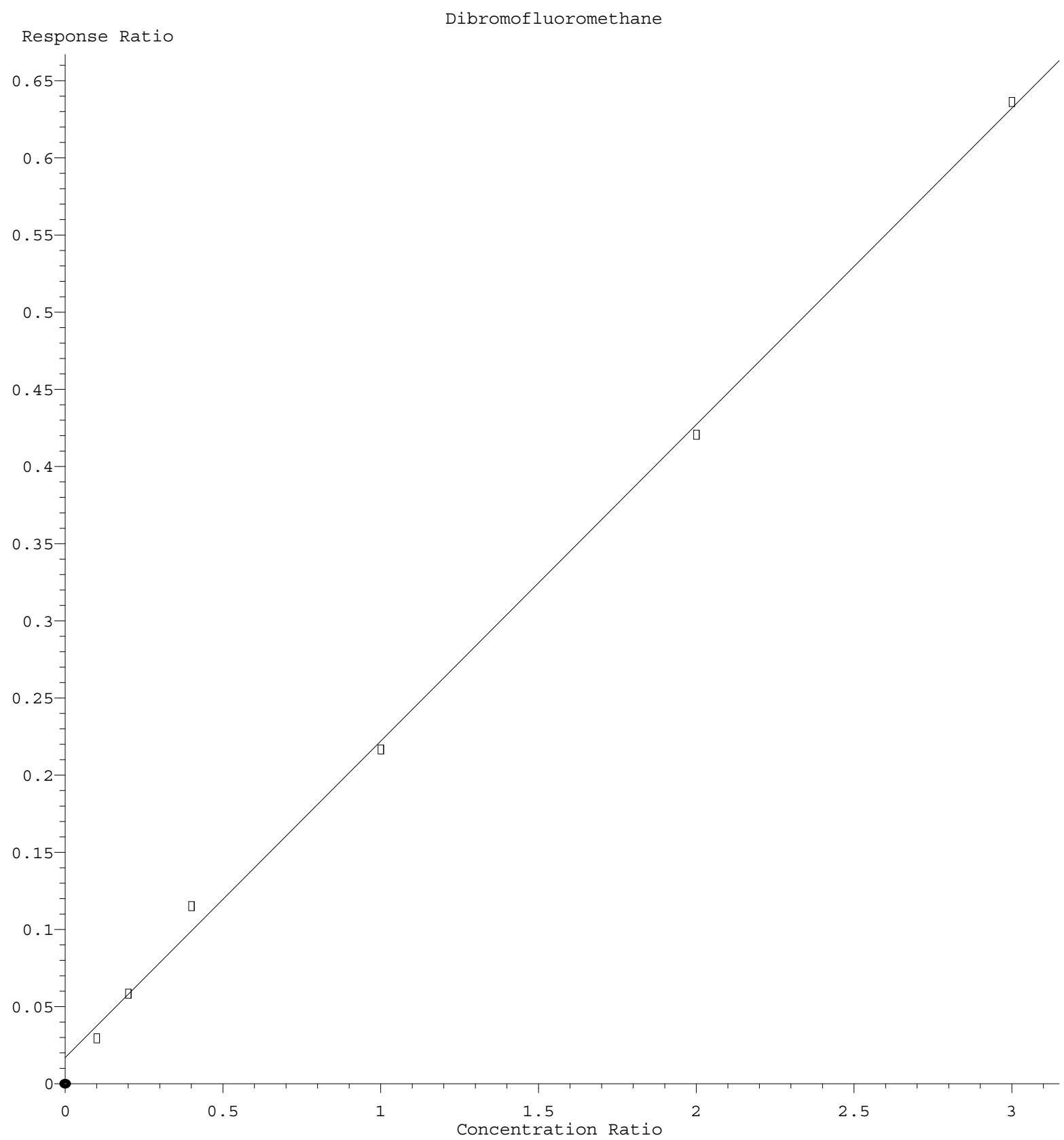
Response = 4.289e-001 * Amt + 5.710e-002
Coef of Det (r^2) = 0.998408 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



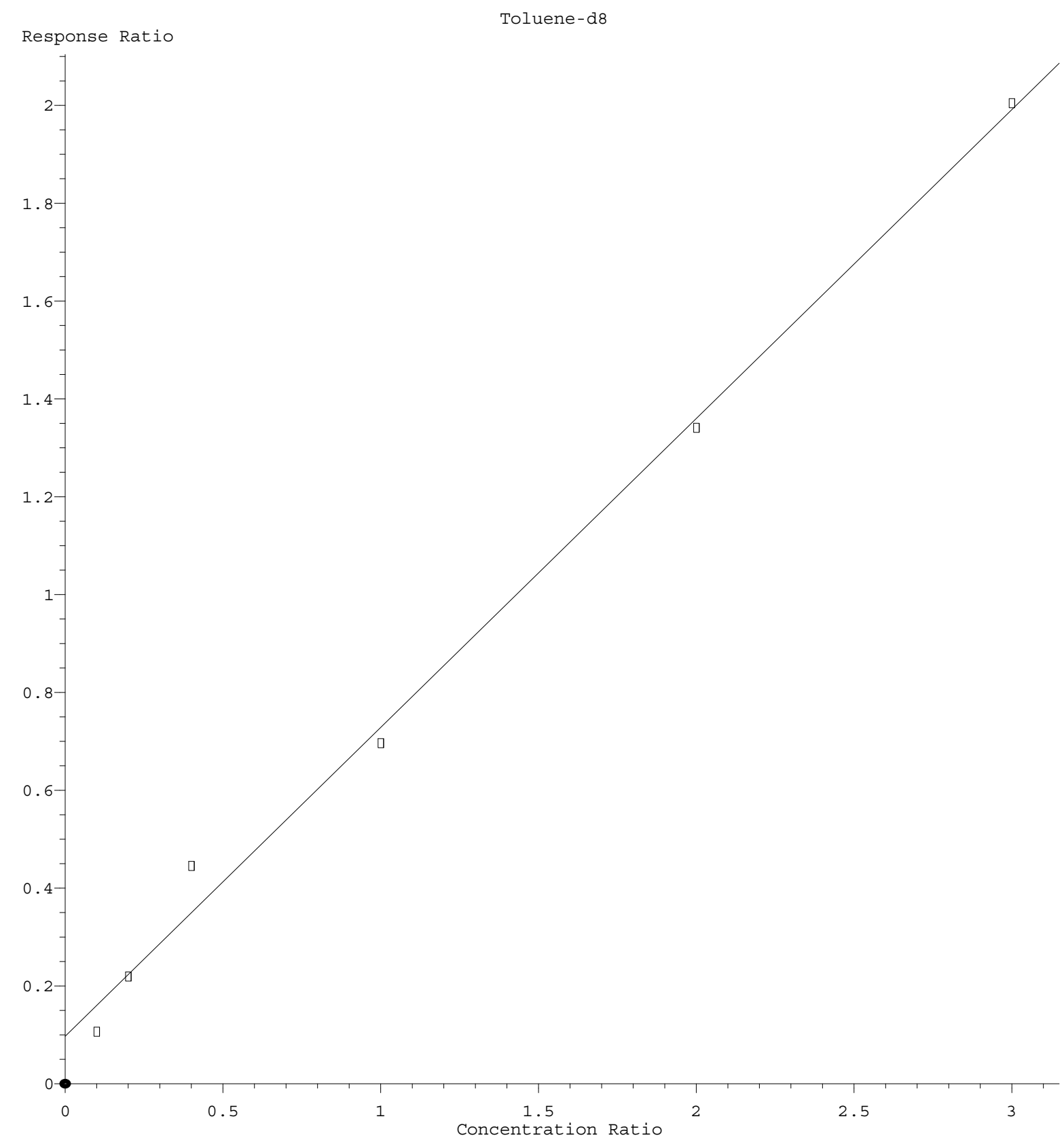
Response = 5.466e-001 * Amt + 3.570e-002
Coef of Det (r^2) = 0.999868 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



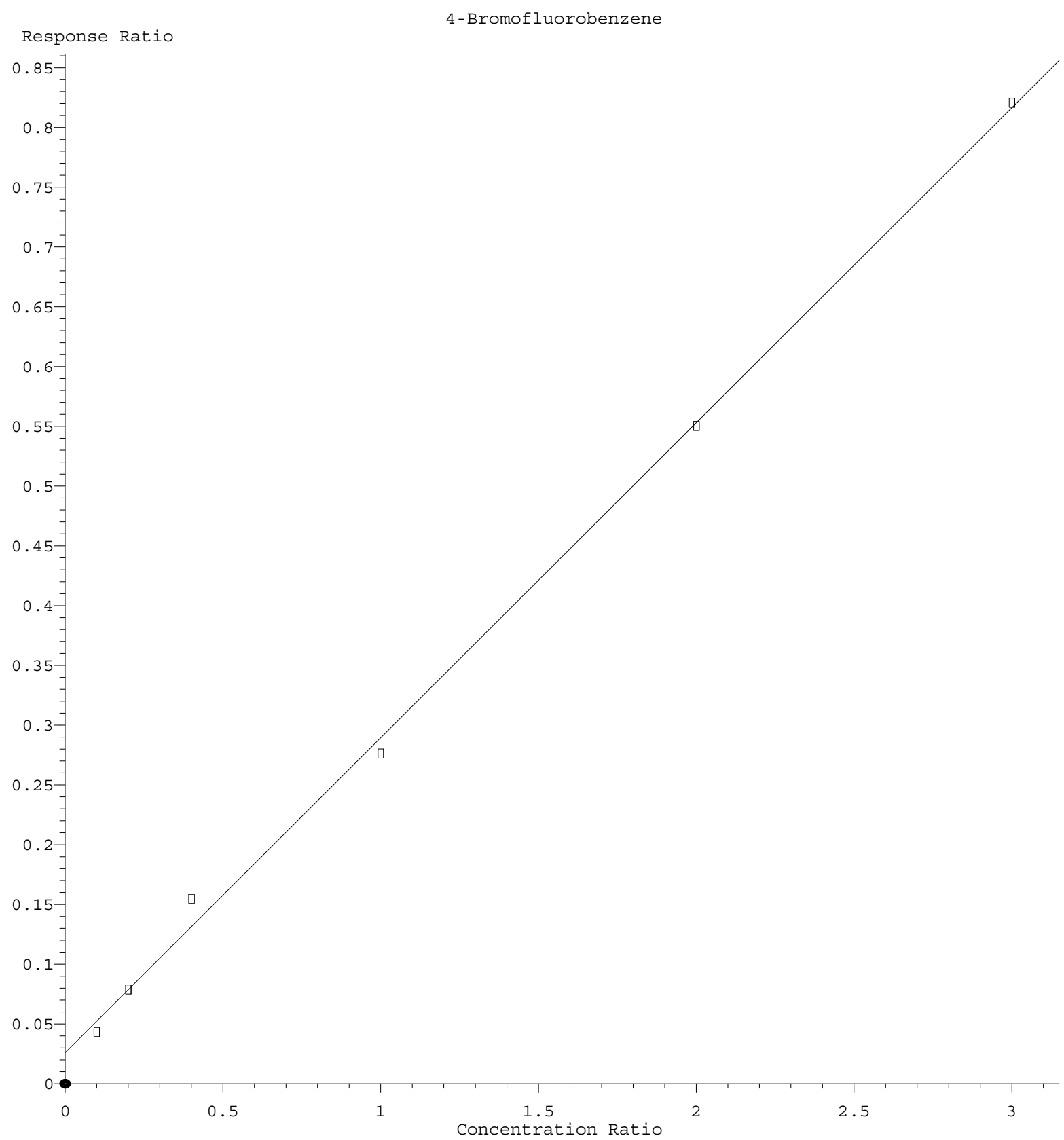
Response = 3.085e-001 * Amt + 3.271e-002
Coef of Det (r^2) = 0.996290 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



Response = 2.049e-001 * Amt + 1.728e-002
Coef of Det (r^2) = 0.998541 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



Response = 6.316e-001 * Amt + 9.670e-002
Coef of Det (r^2) = 0.994949 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022



Response = 2.634e-001 * Amt + 2.648e-002
Coef of Det (r^2) = 0.998248 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120922S.M
Calibration Table Last Updated: Sat Dec 10 04:19:59 2022