Response Factor Report MSVOA_U

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 524U101722DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Tue Oct 18 04:53:19 2022
Response Via : Initial Calibration

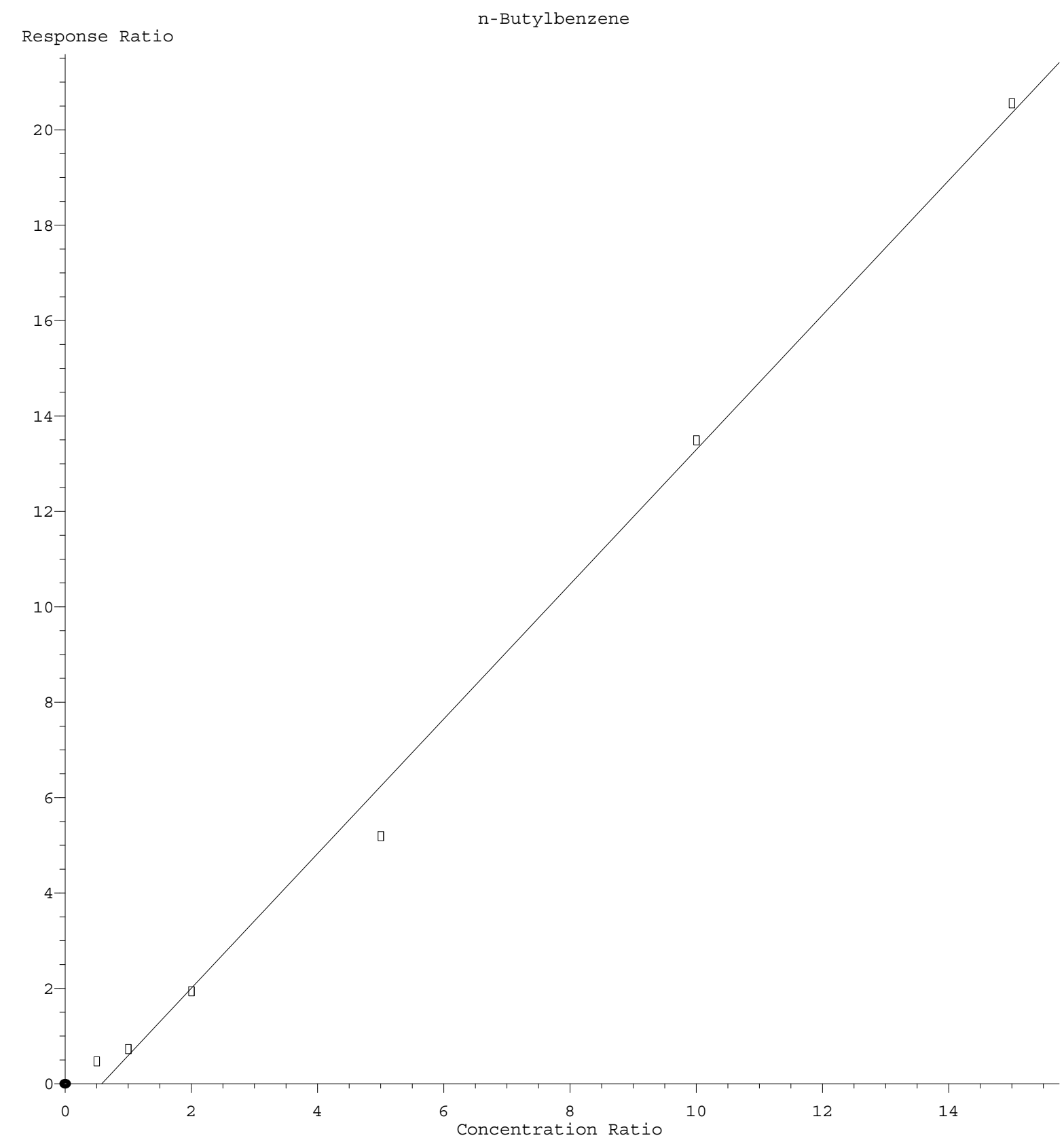
Calibration Files
0.5 =VU051428.D 1 =VU051429.D 2 =VU051430.D 5 =VU051431.D 10 =VU051432.D 15 =VU051433.D

		Compound	0.5	1	2	5	10	15	Avg	%RSD
1)	i	Fluorobenzene	----------	ISTD	----------					
2)	T	Dichlorodifluo...	0.412	0.259	0.393	0.312	0.362	0.357	0.349	15.97
3)	t	Chloromethane	0.679	0.580	0.554	0.497	0.494	0.498	0.550	13.15
4)	Rt	Vinyl Chloride	0.546	0.452	0.508	0.428	0.460	0.464	0.476	9.02
5)	T	Bromomethane	0.287	0.265	0.282	0.251	0.252	0.258	0.266	5.82
6)	T	Chloroethane	0.315	0.237	0.289	0.280	0.262	0.247	0.272	10.66
7)	T	Trichlorofluor...	0.609	0.483	0.573	0.467	0.537	0.525	0.532	10.09
8)		1,1,2-Trichlor...	0.333	0.262	0.327	0.261	0.293	0.287	0.294	10.52
9)	Rt	1,1-Dichloroet...	0.342	0.296	0.328	0.280	0.297	0.298	0.307	7.64
10)	t	Iodomethane	0.381	0.368	0.422	0.399	0.397	0.419	0.398	5.22
11)	t	Allyl Chloride	0.532	0.443	0.479	0.448	0.451	0.455	0.468	7.21
12)	t	Acrylonitrile	0.089	0.092	0.095	0.089	0.088	0.089	0.090	3.05
13)	T	Acetone	0.089	0.061	0.060	0.061	0.061	0.058	0.065	17.92
14)	T	Carbon Disulfide	1.243	1.039	1.150	1.006	1.058	1.065	1.094	8.01
15)	RT	Methylene Chlo...	0.647	0.475	0.451	0.384	0.373	0.367	0.449	23.65
16)	RT	trans-1,2-Dich...	0.402	0.354	0.362	0.326	0.332	0.335	0.352	8.06
17)	t	1,1-Dichloroet...	0.715	0.614	0.649	0.599	0.609	0.610	0.633	6.98
18)	T	2-Butanone	0.074	0.070	0.071	0.082	0.087	0.090	0.079	10.56
19)		Cyclohexane	0.355	0.309	0.395	0.359	0.463	0.472	0.392	16.44
20)		Methylcyclohexane	0.321	0.291	0.382	0.350	0.485	0.506	0.389	22.61
21)	T	2,2-Dichloropr...	0.526	0.399	0.455	0.411	0.426	0.435	0.442	10.28
22)	RT	cis-1,2-Dichlo...	0.340	0.295	0.330	0.330	0.346	0.357	0.333	6.43
23)	t	Diethyl Ether	0.294	0.255	0.265	0.263	0.263	0.267	0.268	4.94
24)	t	tert-Butyl Alc...	0.034	0.026	0.027	0.027	0.027	0.027	0.028	9.86
25)	t	Methyl tert-Bu...	0.854	0.741	0.799	0.792	0.794	0.810	0.798	4.53
26)	t	Bromochloromet...	0.177	0.147	0.162	0.164	0.160	0.163	0.162	5.82
27)	t	Chloroform	0.721	0.619	0.654	0.614	0.616	0.621	0.641	6.55
28)	RT	1,1,1-Trichlor...	0.590	0.480	0.528	0.466	0.500	0.505	0.511	8.62
29)	T	1,1-Dichloropr...	0.383	0.312	0.395	0.383	0.435	0.442	0.392	11.96
30)	RT	Carbon Tetrach...	0.490	0.399	0.458	0.393	0.426	0.424	0.432	8.51
31)	t	Isopropyl Ether	0.768	0.658	0.737	0.724	0.778	0.825	0.748	7.57
32)		Ethyl-t-butyl ...	0.663	0.584	0.649	0.671	0.740	0.793	0.683	10.70
33)		Tert-Amyl meth...	0.525	0.484	0.564	0.620	0.684	0.725	0.600	15.52
34)	t	Propionitrile	0.022	0.022	0.027	0.029	0.029	0.030	0.027	13.33
35)	RT	Benzene	1.395	1.166	1.316	1.309	1.341	1.360	1.315	6.04
36)	RT	1,2-Dichloroet...	0.413	0.402	0.415	0.401	0.398	0.404	0.406	1.72
37)	RT	Trichloroethene	0.323	0.281	0.316	0.299	0.316	0.317	0.309	5.05
38)	Rt	1,2-Dichloropr...	0.389	0.318	0.371	0.354	0.364	0.368	0.361	6.58
39)	t	Methacrylonitrile	0.086	0.072	0.083	0.094	0.102	0.108	0.091	14.52
40)	t	Methyl acrylate	0.124	0.123	0.120	0.162	0.162	0.178	0.145	17.67
41)	t	Tetrahydrofuran	0.048	0.039	0.046	0.048	0.052	0.054	0.048	11.08
42)	t	1-Chlorobutane	0.513	0.438	0.539	0.520	0.591	0.606	0.535	11.33
43)	T	Dibromomethane	0.193	0.181	0.189	0.189	0.184	0.186	0.187	2.30
44)	T	Bromodichlorom...	0.490	0.418	0.460	0.448	0.446	0.455	0.453	5.19
45)	T	4-Methyl-2-Pen...	0.154	0.132	0.158	0.192	0.212	0.220	0.178	19.72
46)	t	t-1,4-Dichloro...	0.114	0.086	0.081	0.106	0.102	0.107	0.099	12.87
47)	t	Methyl methacr...	0.117	0.103	0.127	0.155	0.174	0.182	0.143	22.58
48)	t	Ethyl methacry...	0.179	0.172	0.217	0.254	0.299	0.317	0.240	25.39
49)	Rt	Toluene	0.665	0.568	0.691	0.754	0.813	0.835	0.721	13.88
50)	T	t-1,3-Dichloro...	0.353	0.305	0.343	0.377	0.393	0.414	0.364	10.72
51)	T	cis-1,3-Dichlo...	0.435	0.360	0.428	0.421	0.454	0.478	0.429	9.25
52)	RT	1,1,2-Trichlor...	0.269	0.247	0.271	0.279	0.268	0.270	0.267	3.94
53)	t	1,3-Dichloropr...	0.419	0.372	0.427	0.446	0.457	0.463	0.431	7.72
54)	t	2-Hexanone	0.096	0.088	0.110	0.134	0.151	0.157	0.123	23.65
55)	t	Dibromochlorom...	0.303	0.264	0.291	0.292	0.296	0.299	0.291	4.78
56)	T	1,2-Dibromoethane	0.227	0.211	0.231	0.245	0.245	0.252	0.235	6.38
57)	S	4-Bromofluorob...	0.334	0.301	0.344	0.368	0.384	0.374	0.351	8.77

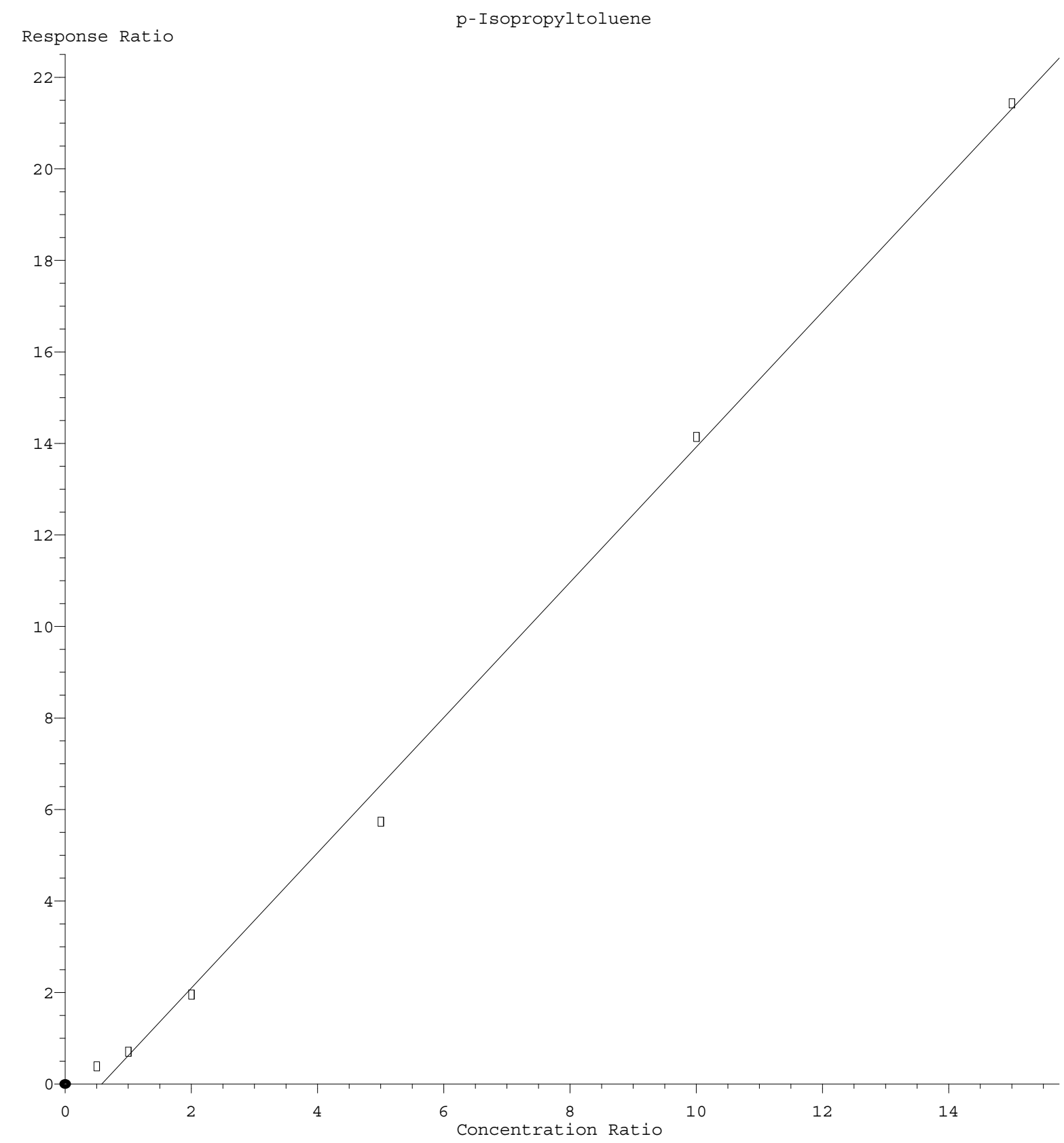
Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 524U101722DW.M

58)	RT	Tetrachloroethene	0.275	0.240	0.281	0.266	0.278	0.274	0.269	5.64
59)	Rt	Chlorobenzene	0.779	0.676	0.771	0.800	0.848	0.873	0.791	8.71
60)	T	1,1,1,2-Tetrac...	0.343	0.274	0.301	0.296	0.300	0.305	0.303	7.40
61)	t	Pentachloroethane	0.268	0.248	0.291	0.268	0.273	0.274	0.270	5.09
62)	t	Hexachloroethane	0.259	0.246	0.262	0.247	0.263	0.263	0.257	3.05
63)	Rt	Ethyl Benzene	1.029	0.881	1.086	1.201	1.457	1.546	1.200	21.40
64)	RT	m/p-Xylenes	0.362	0.325	0.435	0.519	0.611	0.617	0.478	26.02
65)	RT	o-Xylene	0.398	0.324	0.436	0.487	0.566	0.581	0.465	21.33
66)	RT	Styrene	0.589	0.519	0.699	0.840	0.978	1.006	0.772	26.20
67)	t	Bromoform	0.167	0.150	0.157	0.161	0.171	0.172	0.163	5.18
68)	S	1,2-Dichlorobe...	0.397	0.356	0.394	0.394	0.409	0.399	0.392	4.68
69)	T	Isopropylbenzene	0.935	0.787	1.062	1.187	1.416	1.487	1.146	23.78
70)	T	1,1,2,2-Tetrac...	0.375	0.328	0.359	0.367	0.372	0.368	0.361	4.85
71)	T	1,2,3-Trichlor...	0.279	0.264	0.233	0.283	0.265	0.287	0.269	7.30
72)	t	Bromobenzene	0.308	0.263	0.299	0.317	0.346	0.356	0.315	10.71
73)	t	n-propylbenzene	0.238	0.212	0.301	0.339	0.417	0.427	0.322	27.80
74)	t	2-Chlorotoluene	0.258	0.227	0.299	0.329	0.363	0.362	0.306	18.21
75)	t	1,3,5-Trimethy...	0.757	0.665	0.950	1.155	1.343	1.359	1.038	28.43
76)	t	4-Chlorotoluene	0.248	0.220	0.312	0.342	0.377	0.381	0.313	21.34
77)	t	tert-Butylbenzene	0.889	0.749	0.965	1.028	1.205	1.249	1.014	18.70
78)	t	1,2,4-Trimethy...	0.808	0.661	0.975	1.207	1.403	1.429	1.080	29.37
79)	t	sec-Butylbenzene	1.057	0.908	1.315	1.387	1.684	1.704	1.342	24.03
80)		Nitrobenzene	0.018	0.017	0.016	0.017	0.019	0.019	0.018	6.99
81)	t	p-Isopropyltol...	0.772	0.705	0.977	1.147	1.414	1.429	1.074	28.95
82)	t	1,3-Dichlorobe...	0.653	0.549	0.694	0.695	0.733	0.733	0.676	10.22
83)	Rt	1,4-Dichlorobe...	0.584	0.523	0.672	0.706	0.750	0.735	0.662	13.57
84)	t	n-Butylbenzene	0.938	0.727	0.969	1.038	1.349	1.370	1.065	23.53
85)	Rt	1,2-Dichlorobe...	0.681	0.553	0.652	0.675	0.720	0.716	0.666	9.17
86)	t	1,2-Dibromo-3-...	0.057	0.047	0.056	0.059	0.059	0.060	0.057	8.37
87)	Rt	1,2,4-Trichlor...	0.371	0.310	0.328	0.338	0.393	0.425	0.361	12.10
88)	t	Hexachlorobuta...	0.235	0.199	0.250	0.220	0.253	0.254	0.235	9.52
89)	t	Naphthalene	0.830	0.587	0.610	0.699	0.849	0.956	0.755	19.38
90)	t	1,2,3-Trichlor...	0.428	0.337	0.356	0.376	0.423	0.448	0.395	11.32

(#) = Out of Range



Response = 1.412e+000 * Amt - 8.198e-001
Coef of Det (r^2) = 0.995438 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



Response = 1.479e+000 * Amt - 8.639e-001
Coef of Det (r^2) = 0.997331 Curve Fit: Linear
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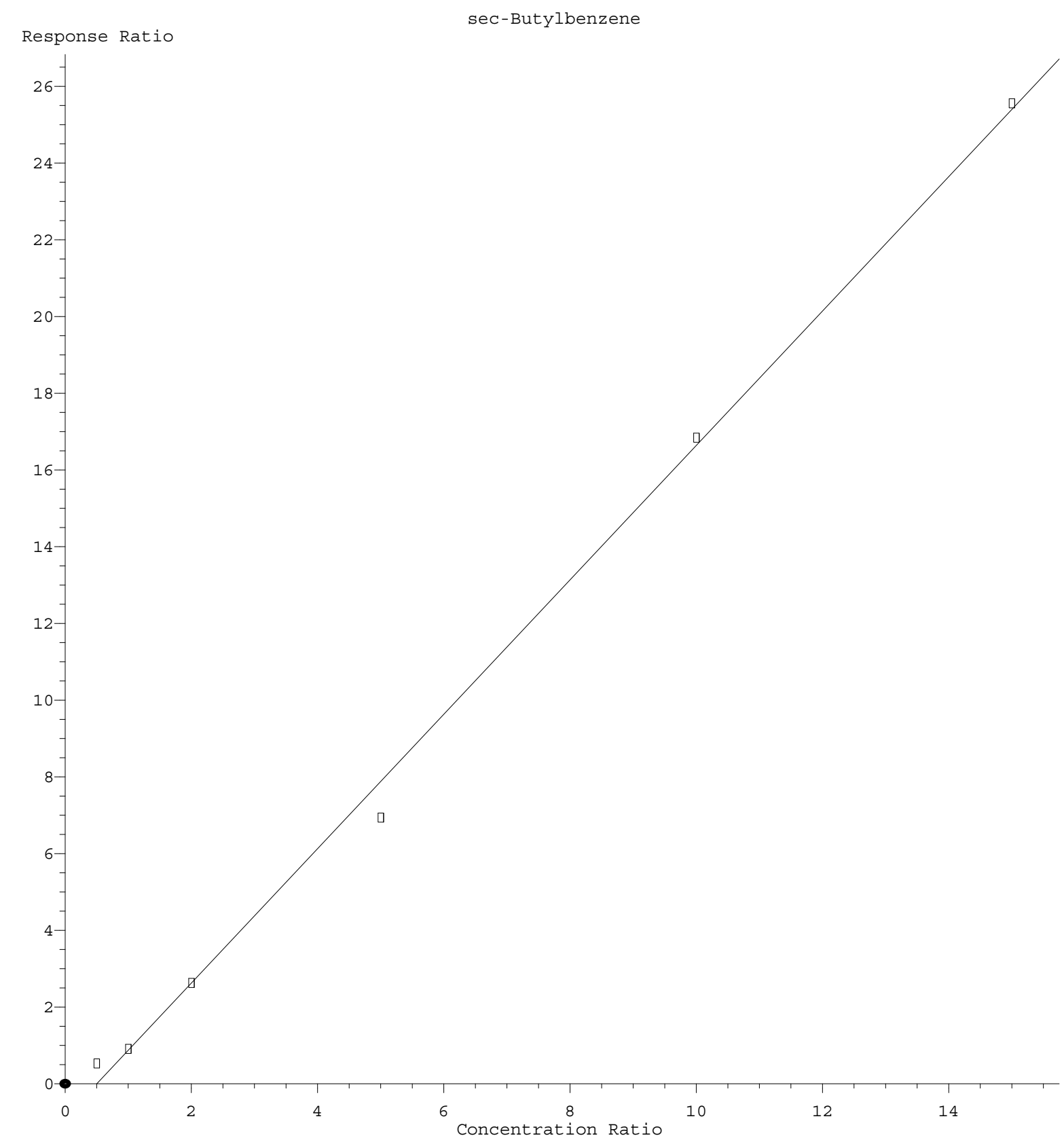
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



Response = 1.752e+000 * Amt - 8.826e-001
Coef of Det (r^2) = 0.997606 Curve Fit: Linear
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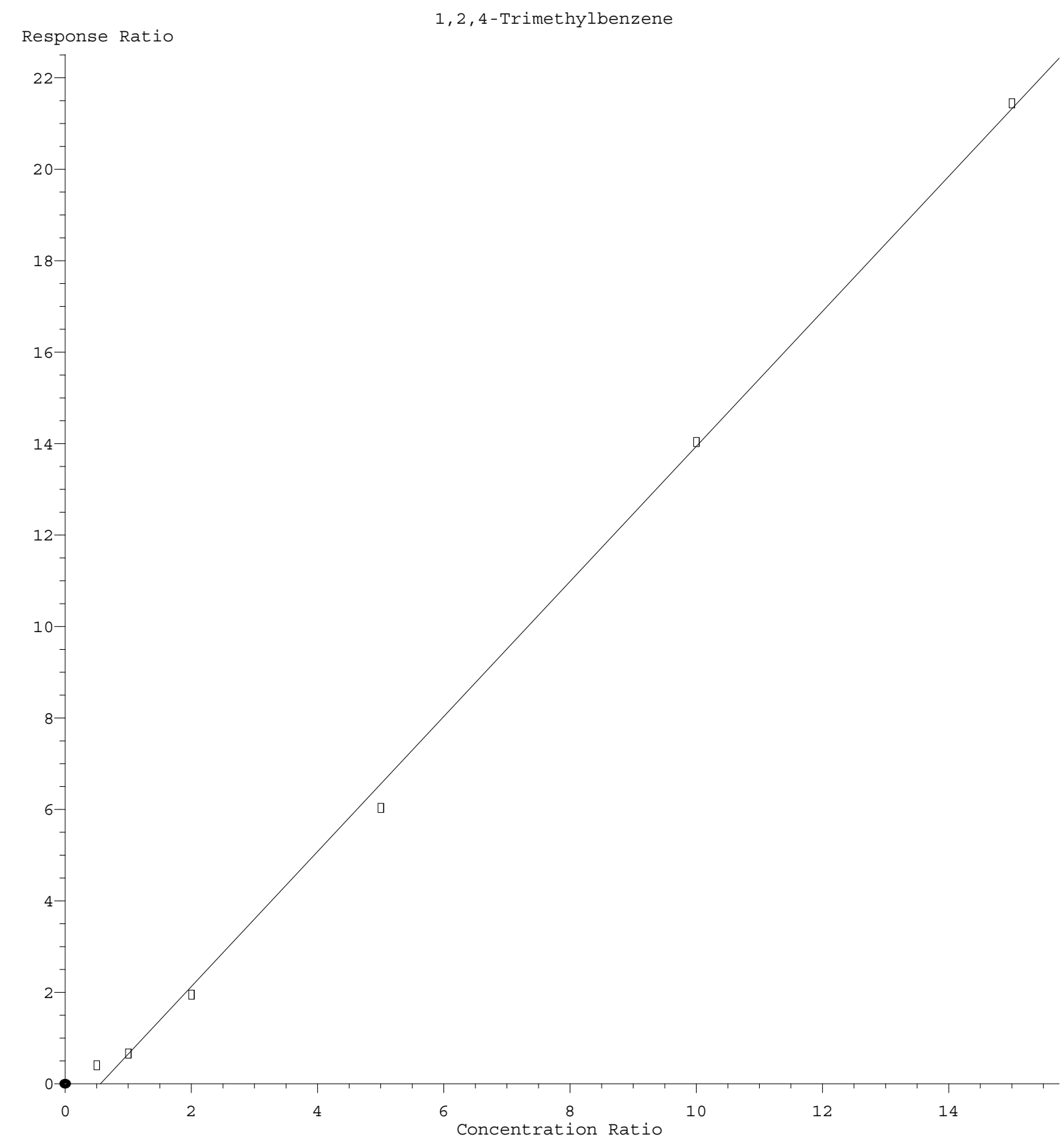
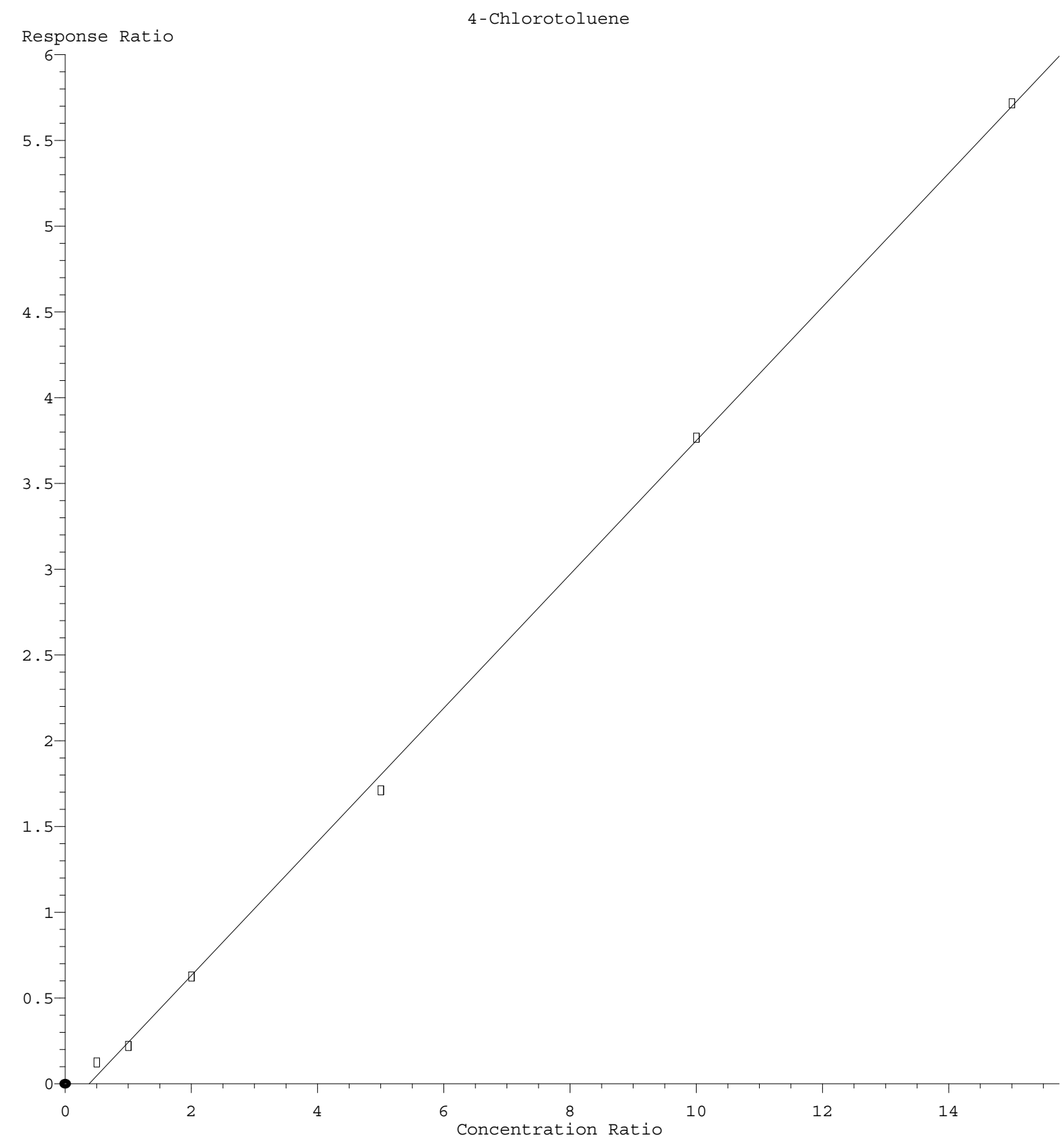
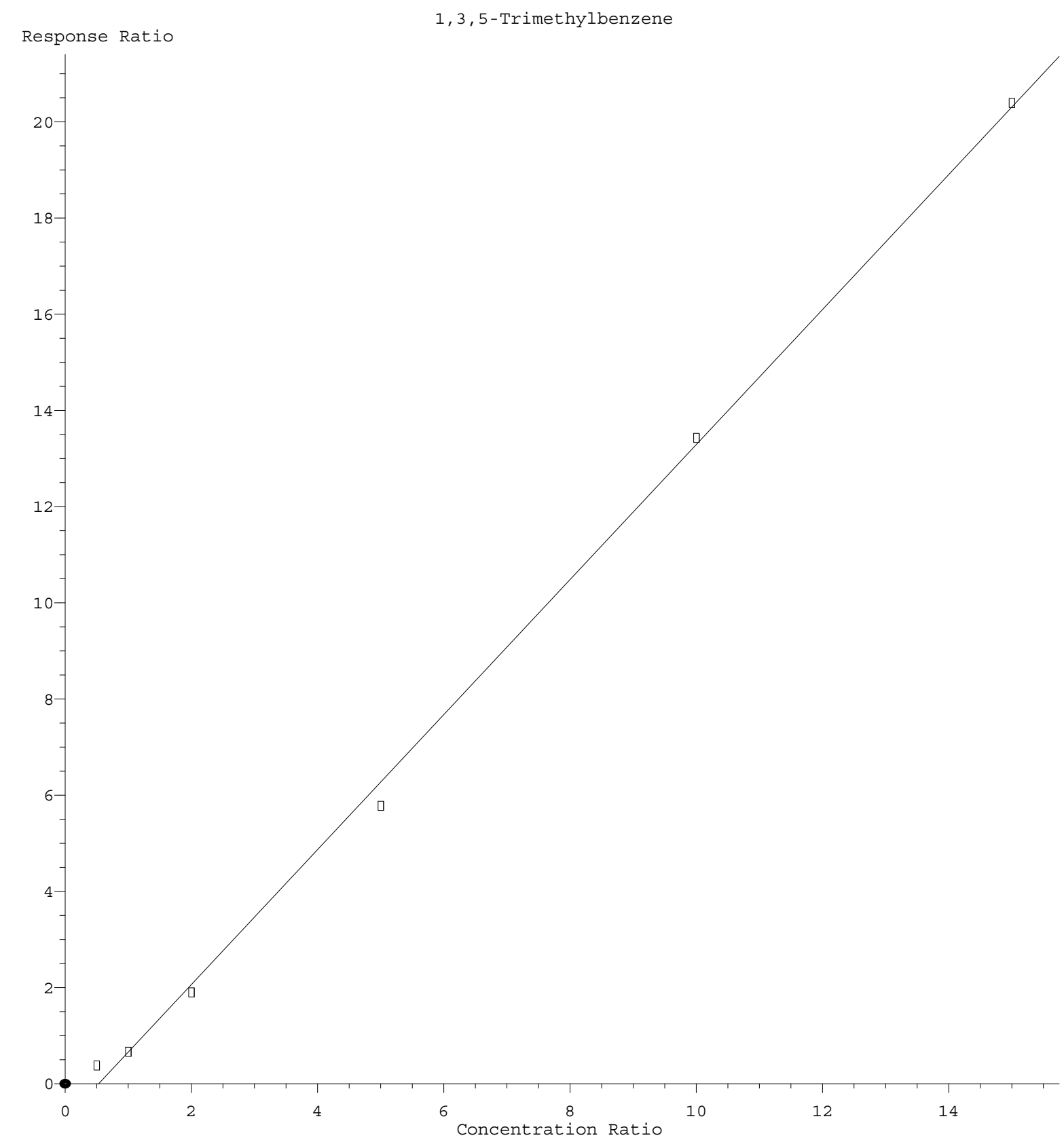
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



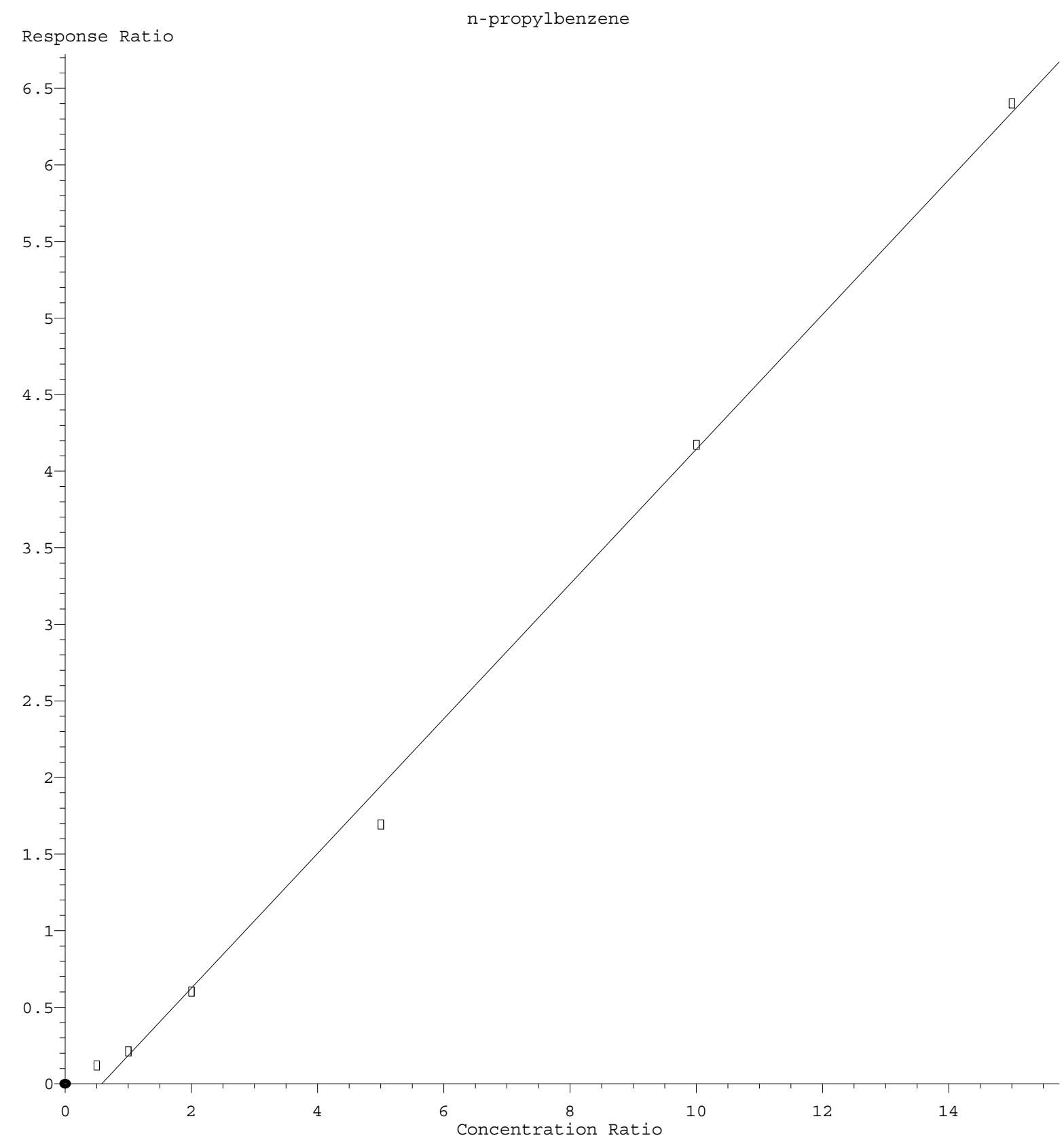
Response = 1.476e+000 * Amt - 8.216e-001
Coef of Det (r^2) = 0.998445 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



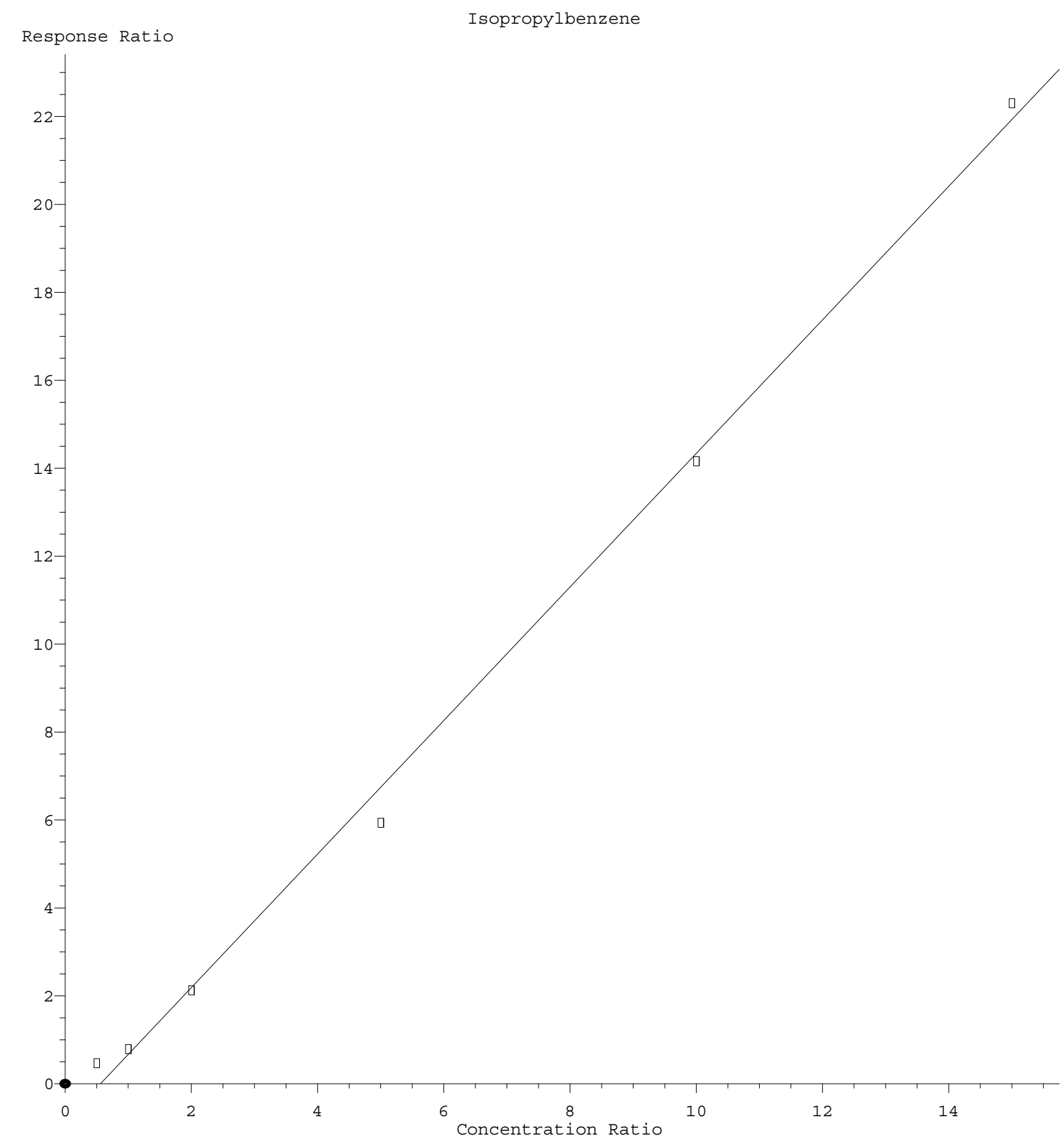
Response = 3.899e-001 * Amt - 1.498e-001
Coef of Det (r^2) = 0.999409 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



Response = 1.404e+000 * Amt - 7.493e-001
Coef of Det (r^2) = 0.998568 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



Response = 4.399e-001 * Amt - 2.563e-001
Coef of Det (r^2) = 0.997166 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



Response = 1.519e+000 * Amt - 8.515e-001
Coef of Det (r^2) = 0.997033 Curve Fit: Linear
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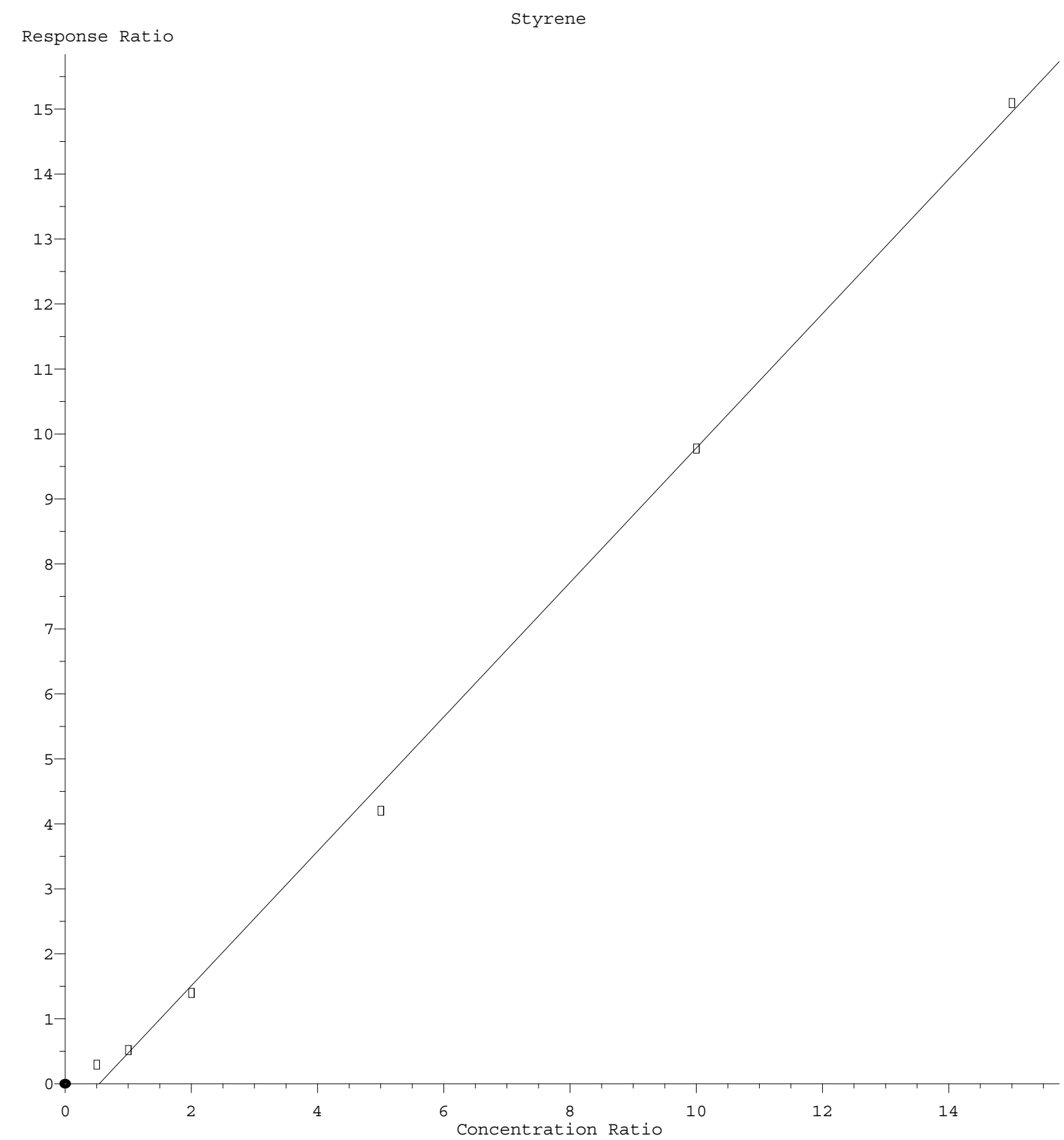
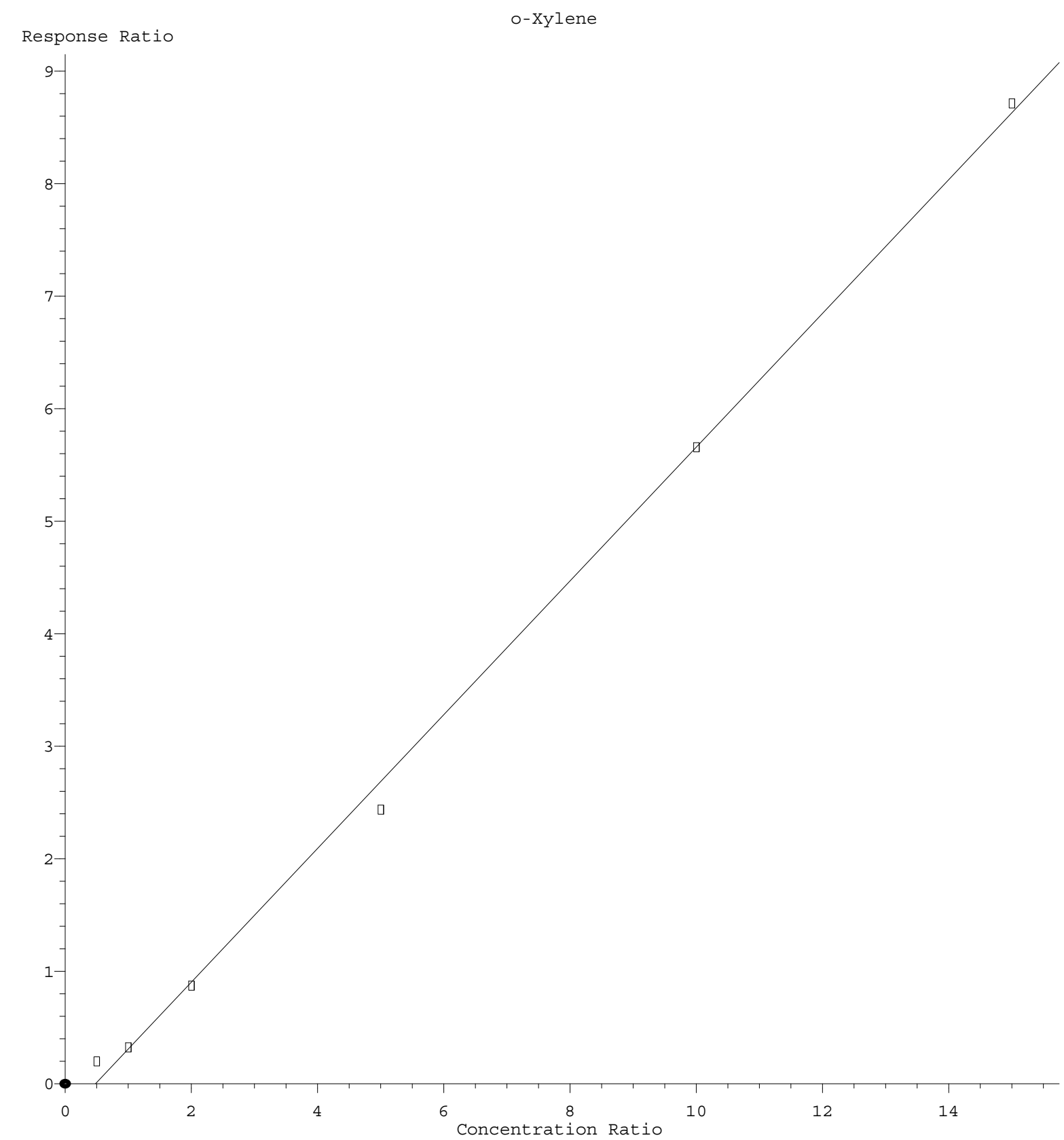
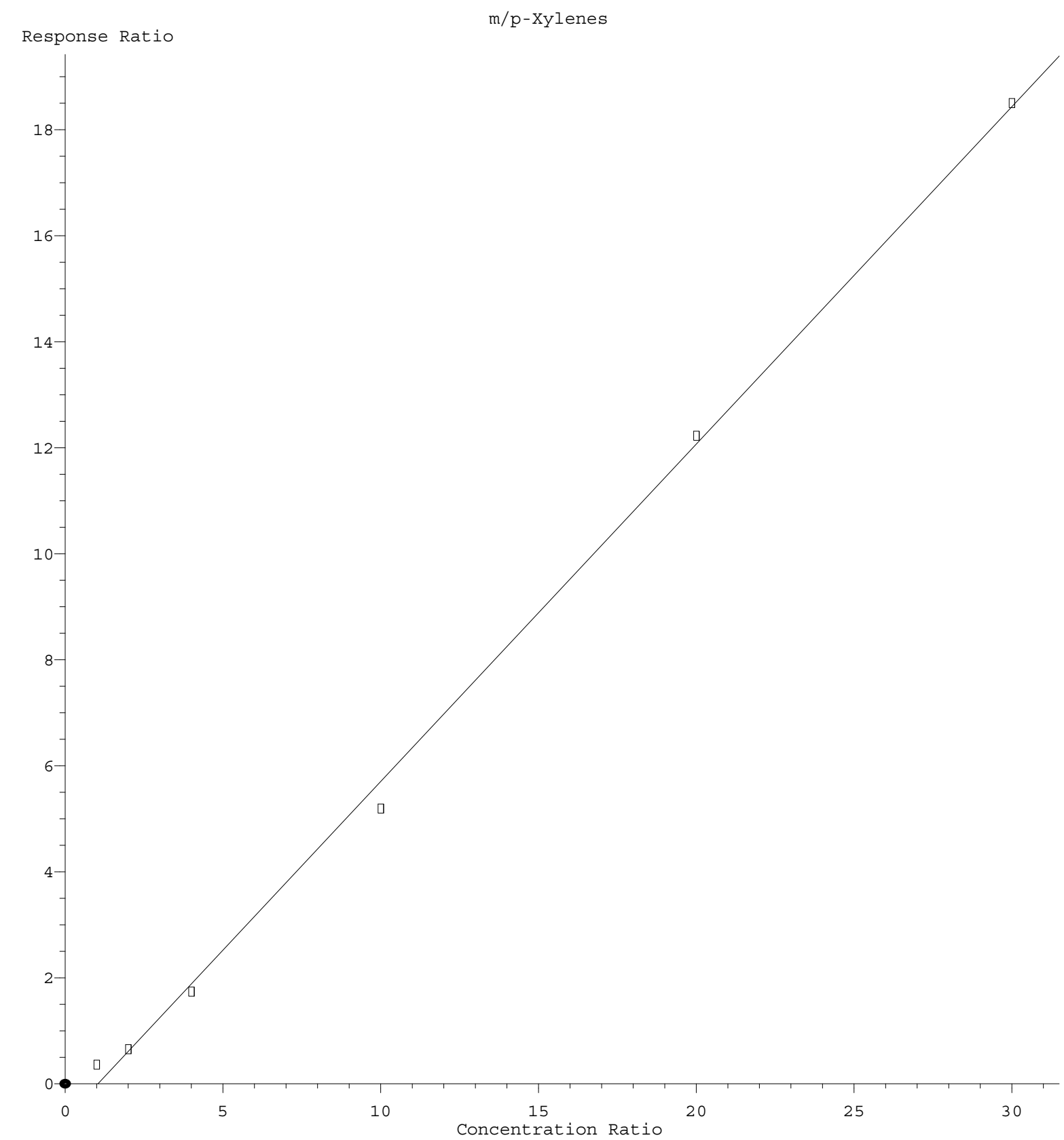
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



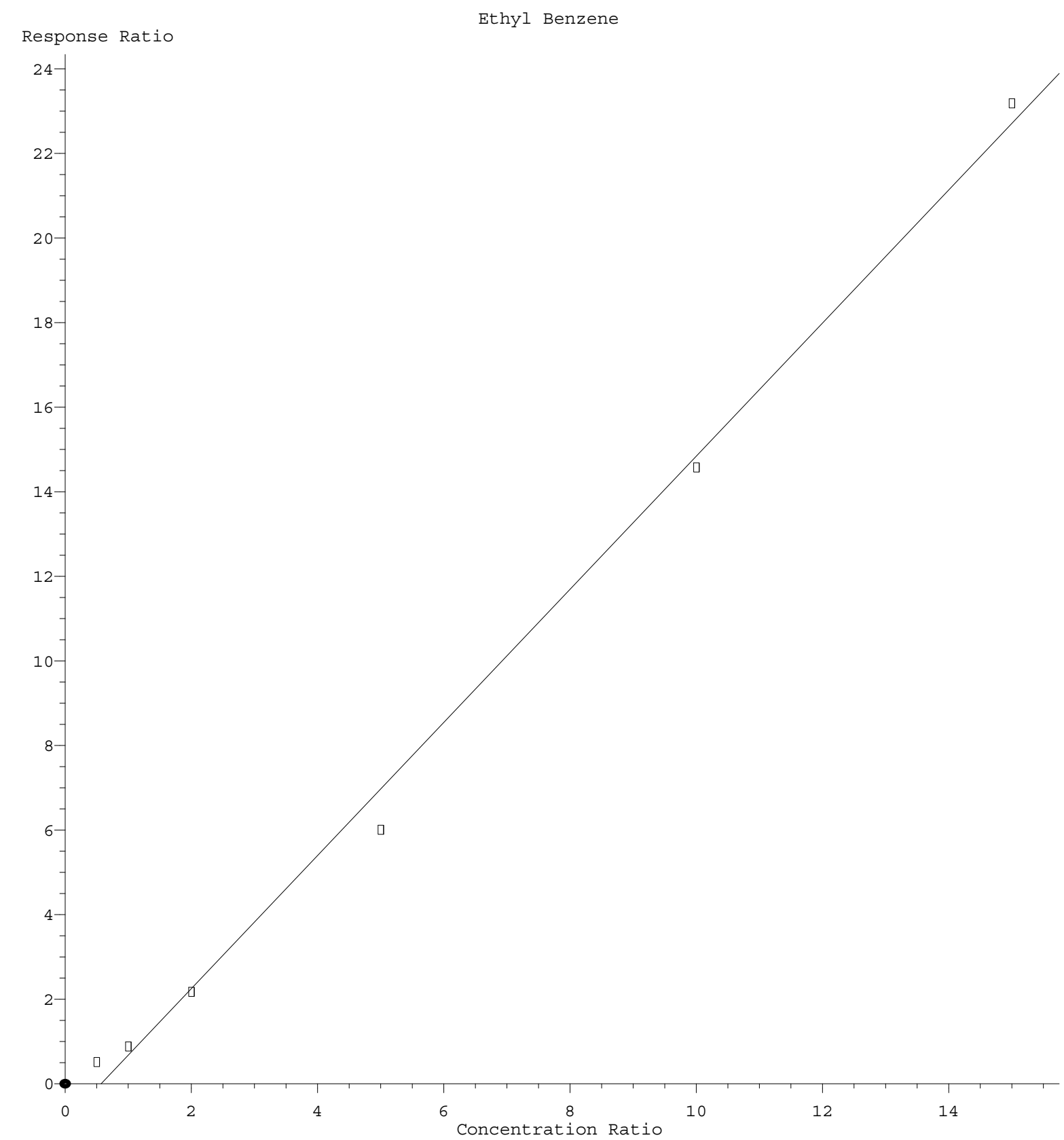
Response = 1.034e+000 * Amt - 5.608e-001
Coef of Det (r^2) = 0.998249 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



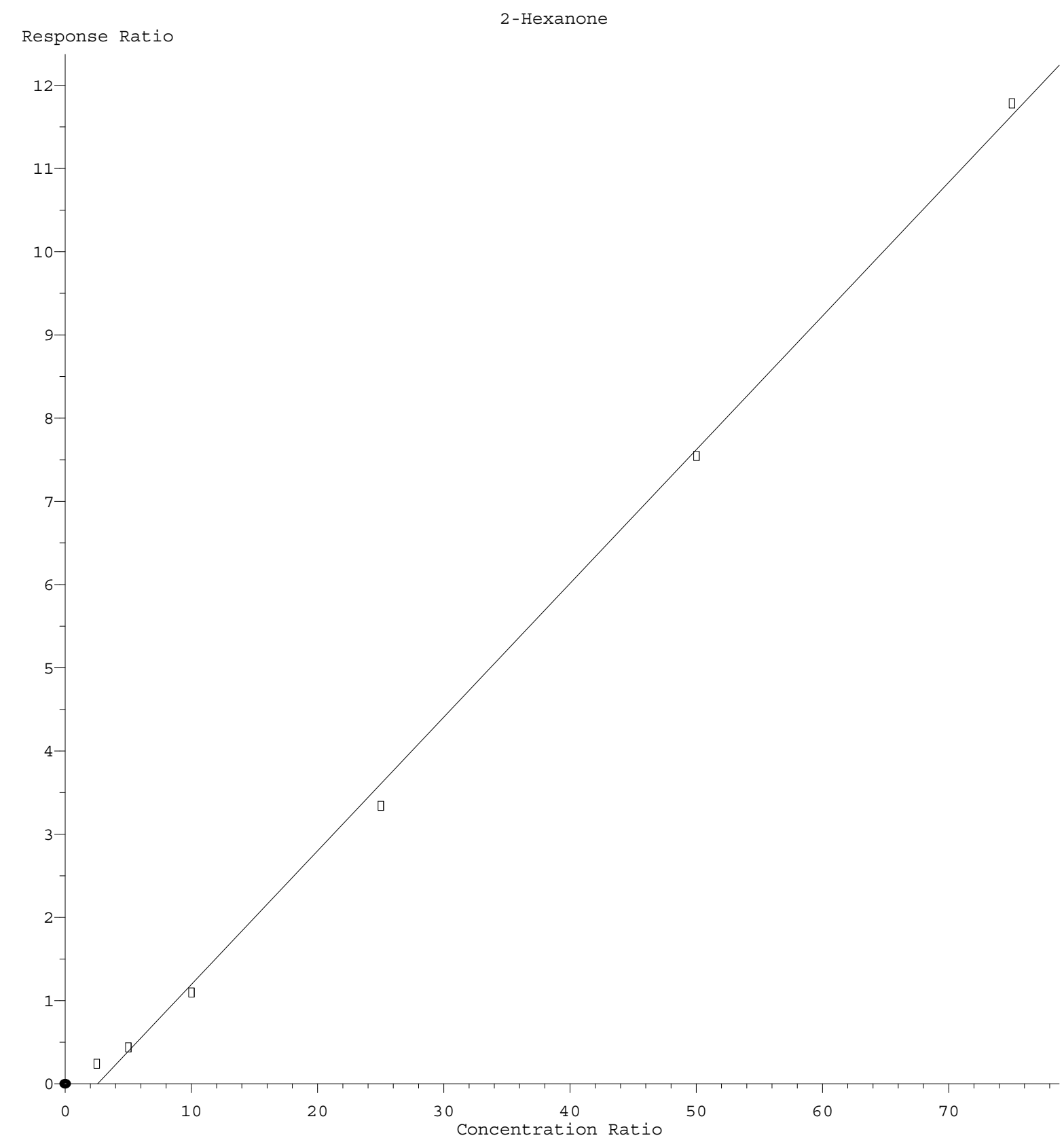
Response = 5.944e-001 * Amt - 2.855e-001
Coef of Det (r^2) = 0.998222 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



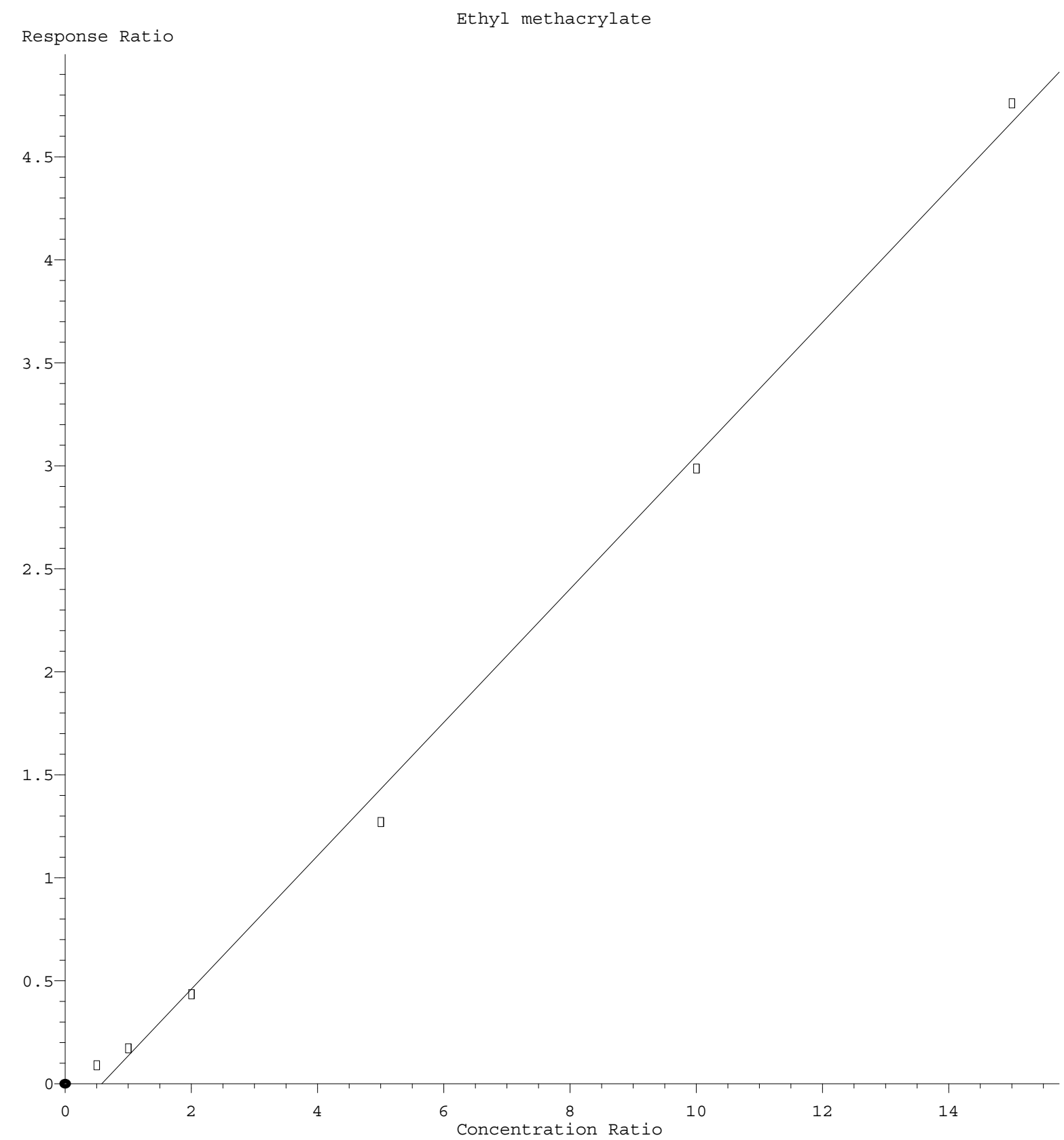
Response = 6.366e-001 * Amt - 6.630e-001
Coef of Det (r^2) = 0.998302 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



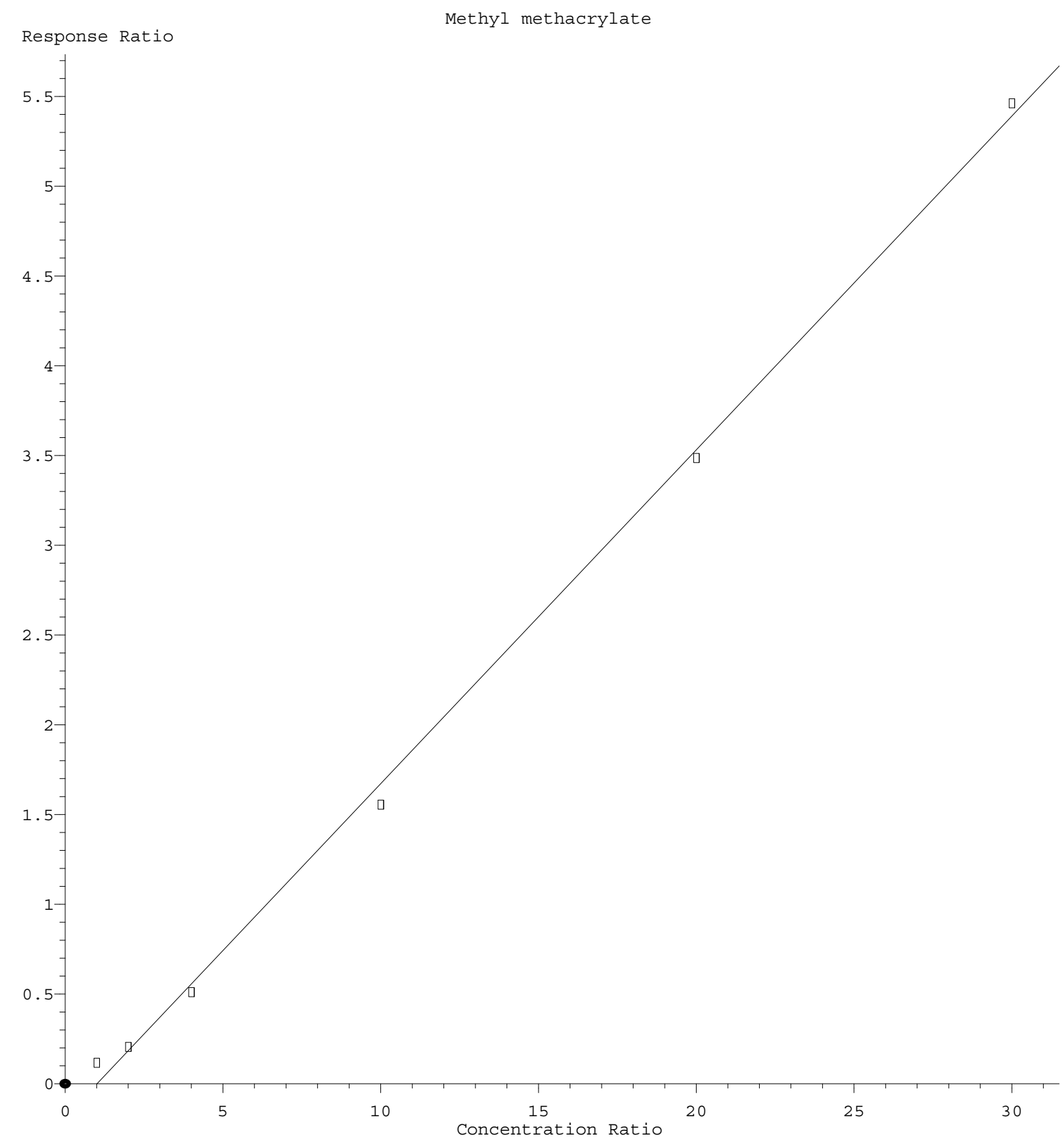
Response = 1.574e+000 * Amt - 8.990e-001
Coef of Det (r^2) = 0.996018 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



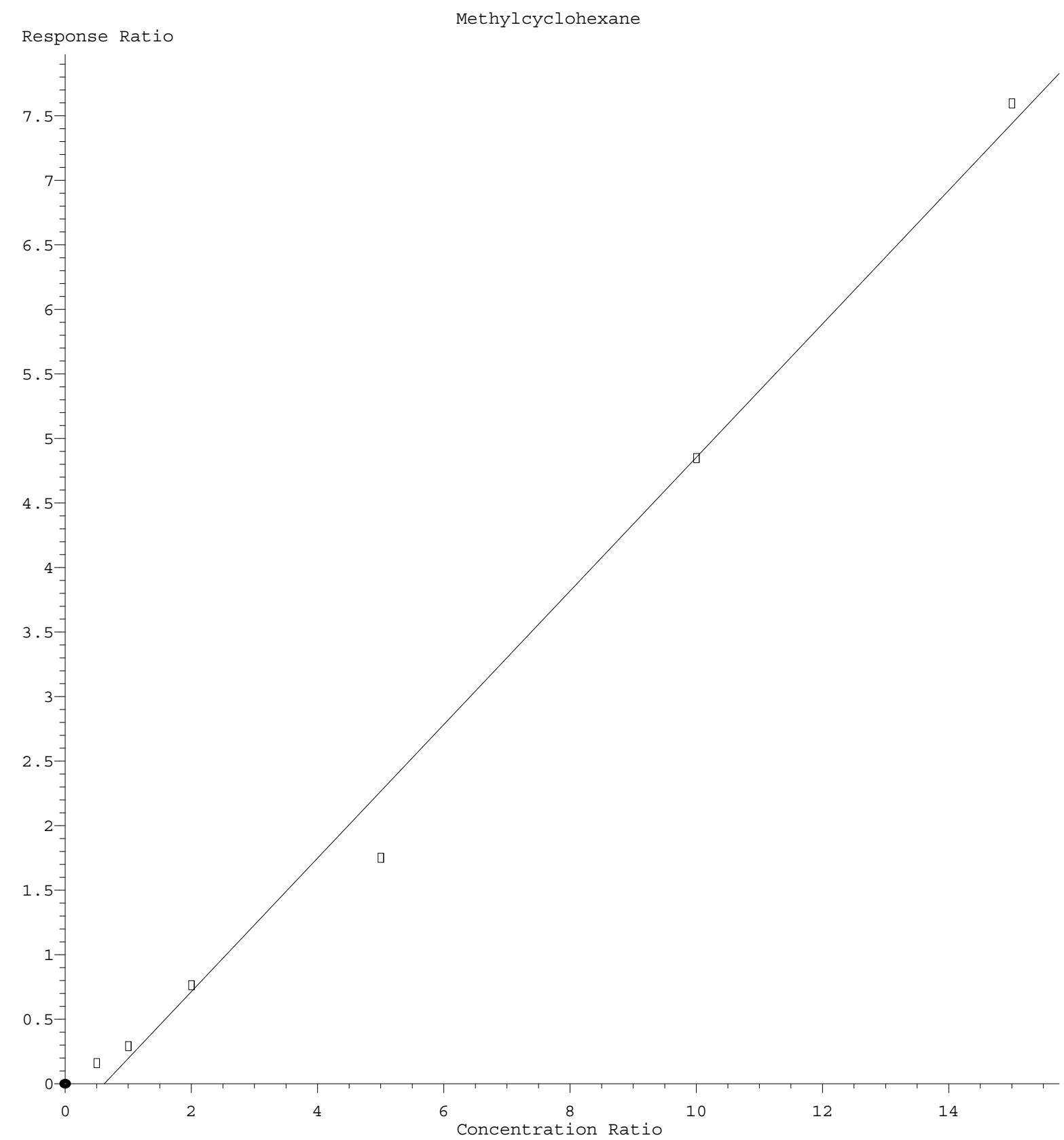
Response = 1.607e-001 * Amt - 4.129e-001
Coef of Det (r^2) = 0.998422 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



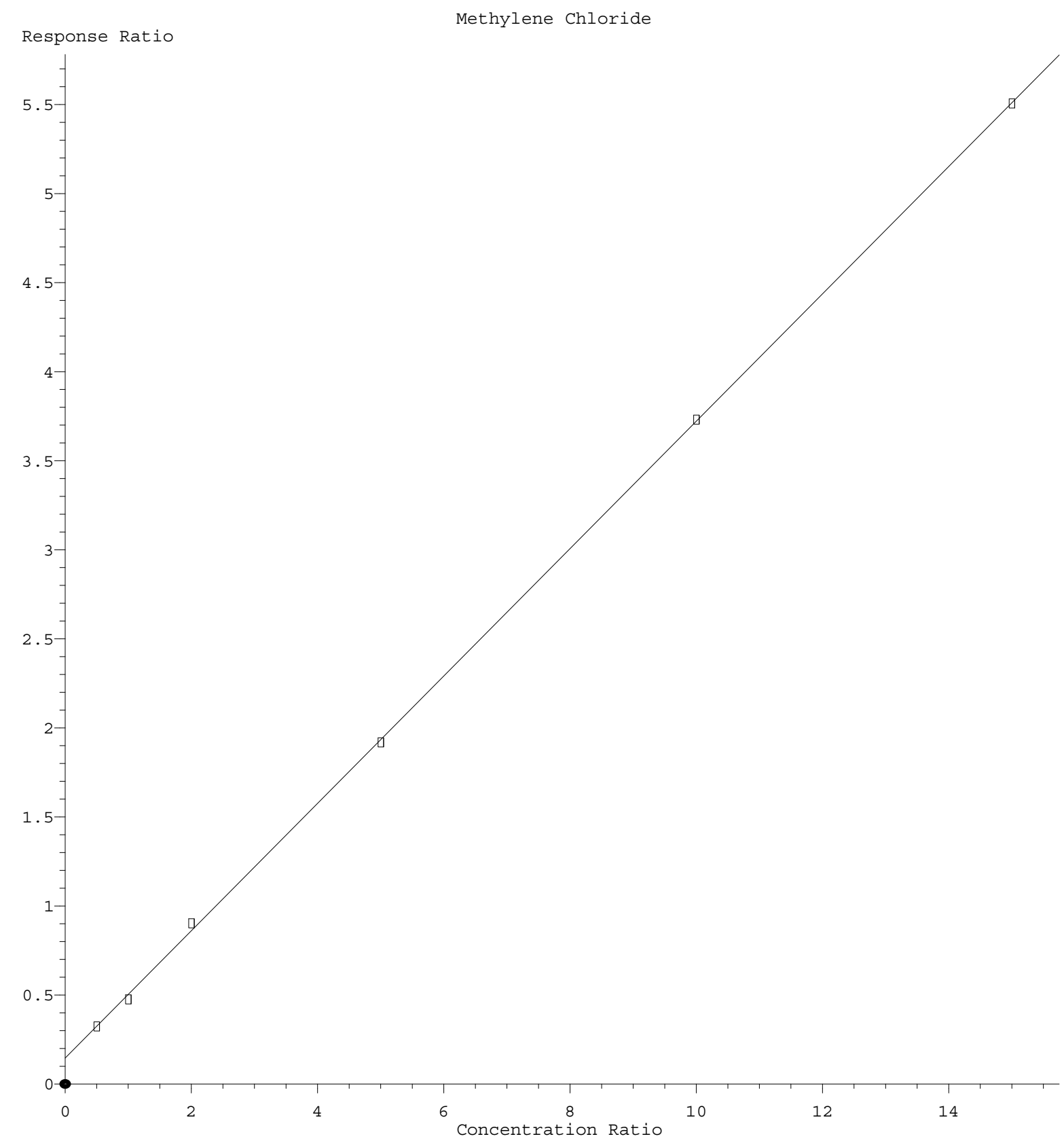
Response = 3.238e-001 * Amt - 1.892e-001
Coef of Det (r^2) = 0.996991 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



Response = 1.860e-001 * Amt - 1.875e-001
Coef of Det (r^2) = 0.998393 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



Response = 5.174e-001 * Amt - 3.205e-001
Coef of Det (r^2) = 0.992275 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022



Response = 3.576e-001 * Amt + 1.461e-001
Coef of Det (r^2) = 0.999867 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Calibration Table Last Updated: Tue Oct 18 04:53:19 2022