Response Factor Report MSVOA_U

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 524U062325DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Tue Jun 24 05:06:50 2025
Response Via : Initial Calibration

Calibration Files
0.5 =VU063427.D 1 =VU063421.D 2 =VU063422.D 5 =VU063423.D 10 =VU063424.D 15 =VU063425.D

		Compound	0.5	1	2	5	10	15	Avg	%RSD
1)	i	Fluorobenzene	----------	ISTD	----------					
2)	T	Dichlorodifluo...	0.386	0.381	0.365	0.396	0.391	0.385	0.384	2.75
3)	t	Chloromethane	0.553	0.511	0.487	0.514	0.487	0.483	0.506	5.28
4)	Rt	Vinyl Chloride	0.431	0.422	0.418	0.453	0.444	0.432	0.433	3.04
5)	T	Bromomethane	0.231	0.211	0.209	0.210	0.200	0.185	0.208	7.18
6)	T	Chloroethane	0.246	0.263	0.254	0.269	0.261	0.246	0.257	3.68
7)	T	Trichlorofluor...	0.516	0.467	0.474	0.511	0.502	0.494	0.494	4.04
8)		1,1,2-Trichlor...	0.267	0.256	0.252	0.273	0.267	0.264	0.263	2.90
9)	Rt	1,1-Dichloroet...	0.246	0.272	0.250	0.274	0.269	0.265	0.263	4.52
10)	t	Iodomethane		0.162	0.177	0.221	0.247	0.253	0.212	19.34
11)	t	Allyl Chloride	0.475	0.458	0.447	0.482	0.480	0.465	0.468	2.94
12)	t	Acrylonitrile	0.082	0.069	0.075	0.078	0.076	0.076	0.076	5.61
13)	T	Acetone	0.101	0.057	0.055	0.082	0.071	0.091	0.076	24.53
14)	T	Carbon Disulfide	0.926	0.912	0.877	0.941	0.927	0.911	0.916	2.37
15)	RT	Methylene Chlo...	0.379	0.325	0.309	0.337	0.327	0.320	0.333	7.39
16)	RT	trans-1,2-Dich...	0.303	0.297	0.273	0.308	0.299	0.292	0.295	4.16
17)	t	1,1-Dichloroet...	0.639	0.600	0.596	0.644	0.631	0.612	0.620	3.33
18)	T	2-Butanone	0.122	0.082	0.092	0.116	0.106	0.118	0.106	14.85
19)		Cyclohexane	0.466	0.421	0.444	0.489	0.485	0.510	0.469	6.93
20)		Methylcyclohexane	0.393	0.373	0.384	0.454	0.501	0.510	0.436	13.99
21)	T	2,2-Dichloropr...	0.456	0.434	0.412	0.456	0.442	0.444	0.441	3.71
22)	RT	cis-1,2-Dichlo...	0.337	0.320	0.308	0.335	0.320	0.314	0.322	3.54
23)	t	Diethyl Ether	0.235	0.216	0.236	0.247	0.244	0.244	0.237	4.83
24)	t	tert-Butyl Alc...		0.022	0.025	0.025	0.026	0.026	0.025	7.48
25)	t	Methyl tert-Bu...	0.708	0.686	0.675	0.739	0.739	0.737	0.714	4.01
26)	t	Bromochloromet...	0.129	0.123	0.118	0.132	0.128	0.124	0.126	4.13
27)	t	Chloroform	0.608	0.579	0.555	0.601	0.583	0.564	0.582	3.50
28)	RT	1,1,1-Trichlor...	0.455	0.471	0.440	0.505	0.495	0.462	0.472	5.20
29)	T	1,1-Dichloropr...	0.427	0.403	0.404	0.461	0.452	0.438	0.431	5.66
30)	RT	Carbon Tetrach...	0.354	0.367	0.360	0.405	0.402	0.372	0.377	5.71
31)	t	Isopropyl Ether	1.028	0.927	0.903	0.987	1.005	0.965	0.969	4.88
32)		Ethyl-t-butyl ...	0.848	0.784	0.765	0.838	0.850	0.844	0.821	4.55
33)		Tert-Amyl meth...	0.543	0.518	0.531	0.616	0.642	0.677	0.588	11.21
34)	t	Propionitrile	0.036	0.028	0.030	0.031	0.029	0.029	0.031	9.26
35)	RT	Benzene	1.290	1.241	1.220	1.389	1.377	1.301	1.303	5.29
36)	RT	1,2-Dichloroet...	0.379	0.367	0.364	0.393	0.397	0.384	0.381	3.49
37)	RT	Trichloroethene	0.291	0.297	0.294	0.327	0.321	0.318	0.308	5.15
38)	Rt	1,2-Dichloropr...	0.329	0.341	0.334	0.389	0.386	0.380	0.360	7.79
39)	t	Methacrylonitrile	0.161	0.118	0.108	0.126	0.129	0.123	0.127	14.12
40)	t	Methyl acrylate	0.204	0.149	0.146	0.177	0.203	0.195	0.179	14.73
41)	t	Tetrahydrofuran	0.088	0.064	0.060	0.069	0.066	0.065	0.069	14.32
42)	t	1-Chlorobutane	0.591	0.573	0.571	0.635	0.639	0.658	0.611	6.13
43)	T	Dibromomethane	0.173	0.154	0.156	0.179	0.175	0.172	0.168	6.29
44)	T	Bromodichlorom...	0.408	0.394	0.393	0.427	0.423	0.412	0.410	3.46
45)	T	4-Methyl-2-Pen...	0.158	0.147	0.164	0.198	0.206	0.209	0.180	14.99
46)	t	t-1,4-Dichloro...	0.074	0.057	0.058	0.055	0.058	0.054	0.059	12.40
47)	t	Methyl methacr...	0.099	0.100	0.112	0.148	0.159	0.164	0.130	23.02
48)	t	Ethyl methacry...	0.177	0.172	0.198	0.260	0.286	0.306	0.233	24.90
49)	Rt	Toluene	0.588	0.611	0.651	0.805	0.820	0.818	0.715	15.45
50)	T	t-1,3-Dichloro...	0.243	0.250	0.257	0.316	0.342	0.363	0.295	17.61
51)	T	cis-1,3-Dichlo...	0.327	0.343	0.353	0.433	0.451	0.472	0.397	15.77
52)	RT	1,1,2-Trichlor...	0.238	0.232	0.237	0.261	0.256	0.252	0.246	4.78
53)	t	1,3-Dichloropr...	0.415	0.382	0.398	0.449	0.451	0.442	0.423	6.88
54)	t	2-Hexanone	0.114	0.084	0.104	0.134	0.140	0.152	0.121	21.00
55)	t	Dibromochlorom...	0.248	0.222	0.237	0.269	0.272	0.274	0.254	8.46
56)	T	1,2-Dibromoethane	0.196	0.193	0.188	0.212	0.205	0.203	0.199	4.40
57)	S	4-Bromofluorob...	0.313	0.341	0.354	0.381	0.423	0.392	0.367	10.69

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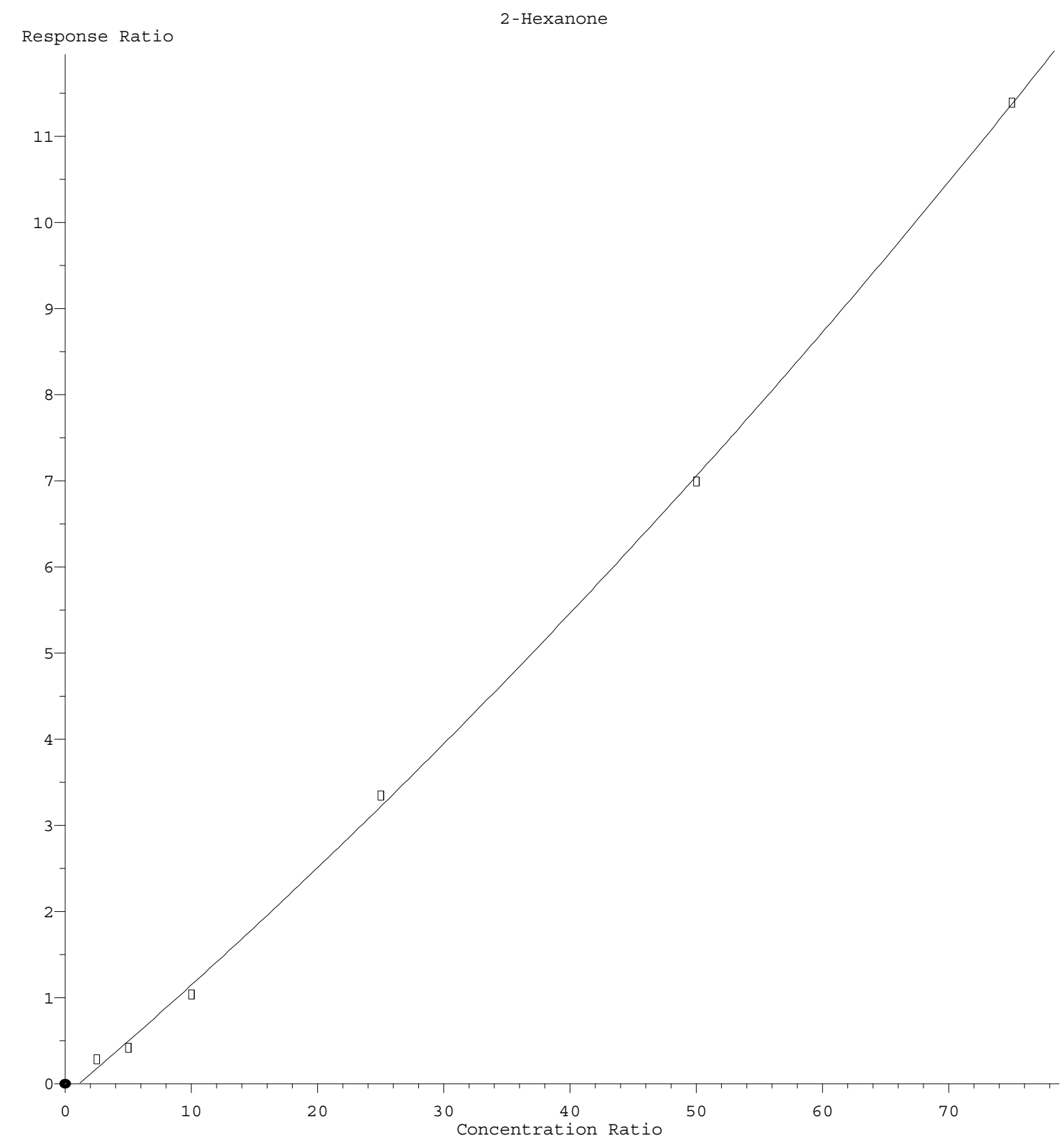
Method File : 524U062325DW.M

58)	RT	Tetrachloroethene	0.280	0.290	0.278	0.320	0.323	0.321	0.302	7.14
59)	Rt	Chlorobenzene	0.689	0.688	0.706	0.837	0.840	0.836	0.766	10.26
60)	T	1,1,1,2-Tetrac...	0.272	0.263	0.261	0.286	0.289	0.283	0.276	4.37
61)	t	Pentachloroethane	0.237	0.217	0.217	0.238	0.227	0.212	0.225	4.98
62)	t	Hexachloroethane	0.185	0.185	0.198	0.218	0.212	0.214	0.202	7.38
63)	Rt	Ethyl Benzene	0.977	0.989	1.080	1.367	1.457	1.497	1.228	19.48
64)	RT	m/p-Xylenes	0.351	0.385	0.413	0.553	0.585	0.588	0.479	22.47
65)	RT	o-Xylene	0.366	0.390	0.416	0.525	0.547	0.556	0.466	18.28
66)	RT	Styrene	0.550	0.584	0.647	0.892	0.940	0.944	0.759	24.37
67)	t	Bromoform	0.127	0.126	0.131	0.150	0.149	0.150	0.139	8.75
68)	S	1,2-Dichlorobe...	0.325	0.367	0.359	0.374	0.398	0.390	0.369	7.00
69)	T	Isopropylbenzene	0.832	0.872	0.977	1.224	1.281	1.298	1.081	19.58
70)	T	1,1,2,2-Tetrac...	0.325	0.282	0.302	0.336	0.323	0.319	0.314	6.21
71)	T	1,2,3-Trichlor...	0.285	0.227	0.228	0.291	0.238	0.272	0.257	11.40
72)	t	Bromobenzene	0.268	0.267	0.282	0.337	0.336	0.330	0.303	11.28
73)	t	n-propylbenzene	0.244	0.266	0.291	0.377	0.392	0.397	0.328	20.95
74)	t	2-Chlorotoluene	0.230	0.254	0.279	0.342	0.347	0.347	0.300	17.38
75)	t	1,3,5-Trimethy...	0.726	0.785	0.951	1.242	1.305	1.296	1.051	25.07
76)	t	4-Chlorotoluene	0.243	0.257	0.300	0.360	0.357	0.367	0.314	17.61
77)	t	tert-Butylbenzene	0.779	0.845	0.902	1.111	1.160	1.161	0.993	17.20
78)	t	1,2,4-Trimethy...	0.731	0.804	0.929	1.251	1.309	1.328	1.058	25.38
79)	t	sec-Butylbenzene	1.060	1.140	1.306	1.604	1.658	1.670	1.406	19.44
80)		Nitrobenzene	0.022	0.009	0.012	0.014	0.014	0.015	0.014	31.09
81)	t	p-Isopropyltol...	0.768	0.838	0.974	1.282	1.361	1.371	1.099	24.75
82)	t	1,3-Dichlorobe...	0.564	0.574	0.603	0.679	0.680	0.670	0.628	8.62
83)	Rt	1,4-Dichlorobe...	0.603	0.580	0.607	0.724	0.703	0.695	0.652	9.52
84)	t	n-Butylbenzene	0.964	0.913	1.013	1.281	1.362	1.373	1.151	18.28
85)	Rt	1,2-Dichlorobe...	0.537	0.539	0.570	0.661	0.657	0.644	0.601	9.83
86)	t	1,2-Dibromo-3-...	0.038	0.034	0.042	0.049	0.048	0.048	0.043	14.15
87)	Rt	1,2,4-Trichlor...	0.347	0.273	0.283	0.349	0.374	0.386	0.335	13.99
88)	t	Hexachlorobuta...	0.232	0.224	0.213	0.253	0.253	0.252	0.238	7.25
89)	t	Naphthalene		0.383	0.441	0.563	0.670	0.734	0.558	26.50
90)	t	1,2,3-Trichlor...	0.362	0.258	0.276	0.344	0.376	0.384	0.333	15.96

(#) = Out of Range



R = 3.841e-004 A*A + 1.247e-001 A - 1.380e-001
Coef of Det (r^2) = 0.999491 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
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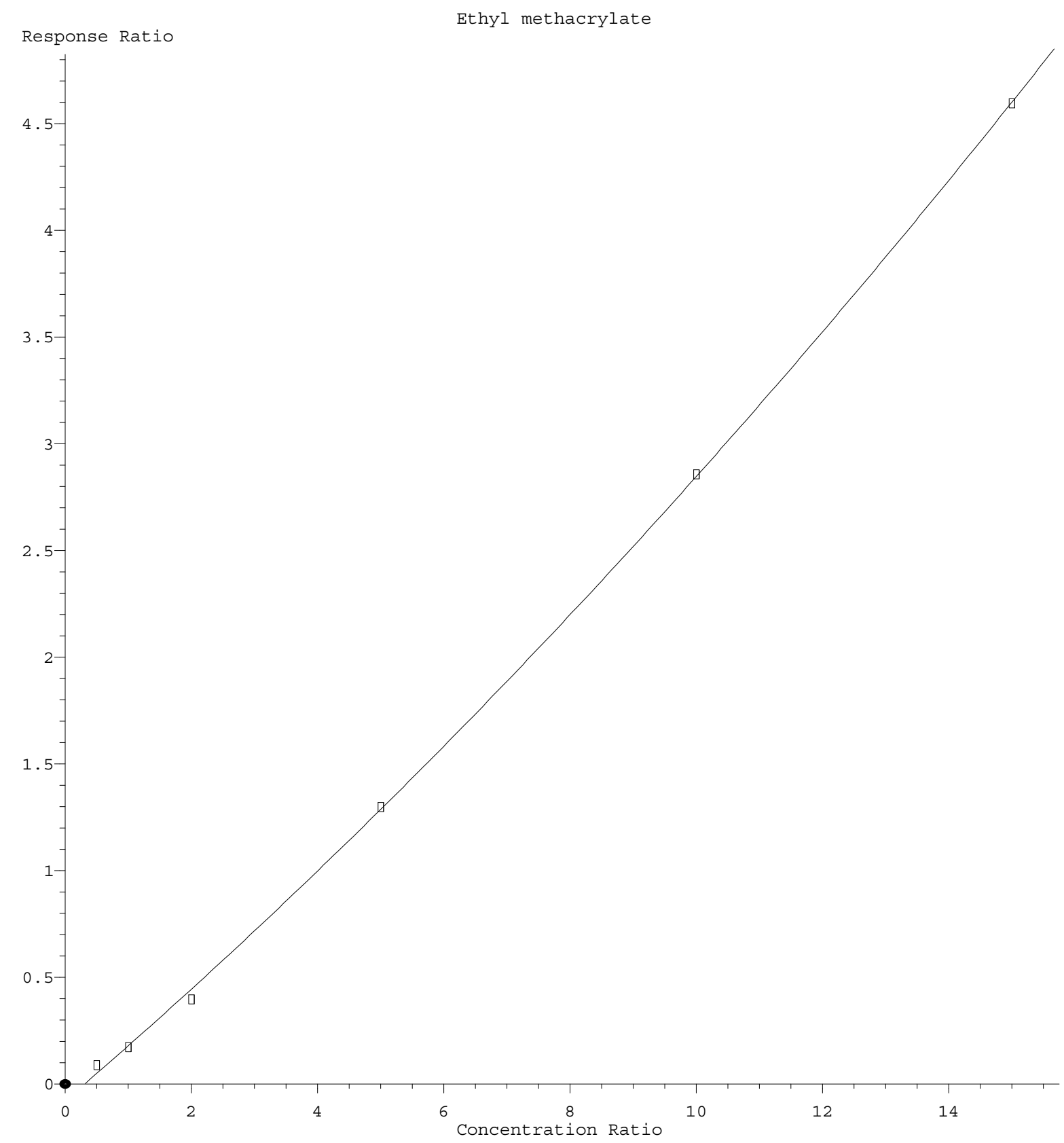

R = 3.887e-003 A*A + 2.536e-001 A - 7.796e-002
Coef of Det (r^2) = 0.999751 Curve Fit: Quadratic
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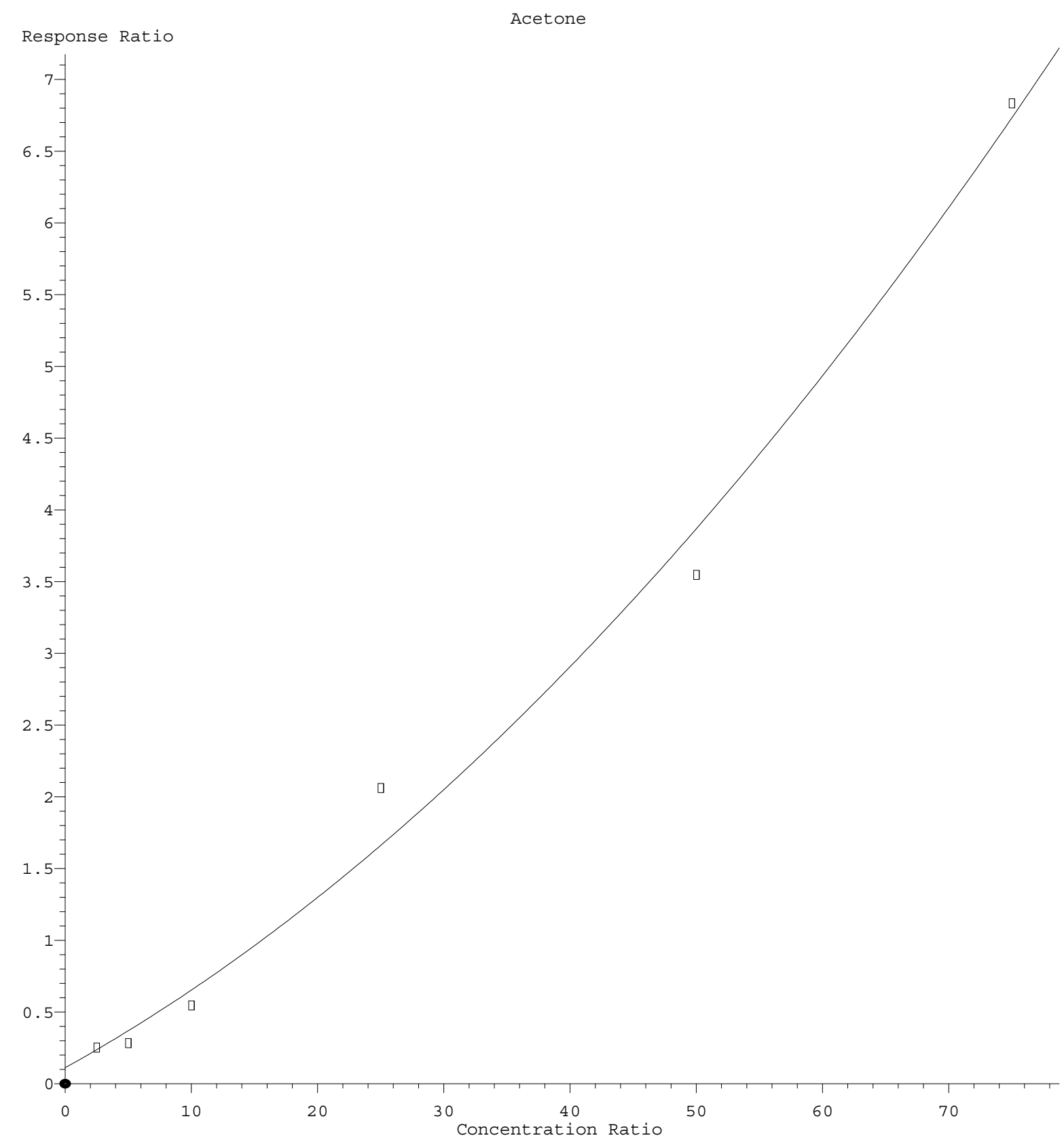
Calibration Table Last Updated: Tue Jun 24 05:06:50 2025



R = 5.258e-004 A*A + 4.883e-002 A + 1.121e-001
Coef of Det (r^2) = 0.991275 Curve Fit: Quadratic
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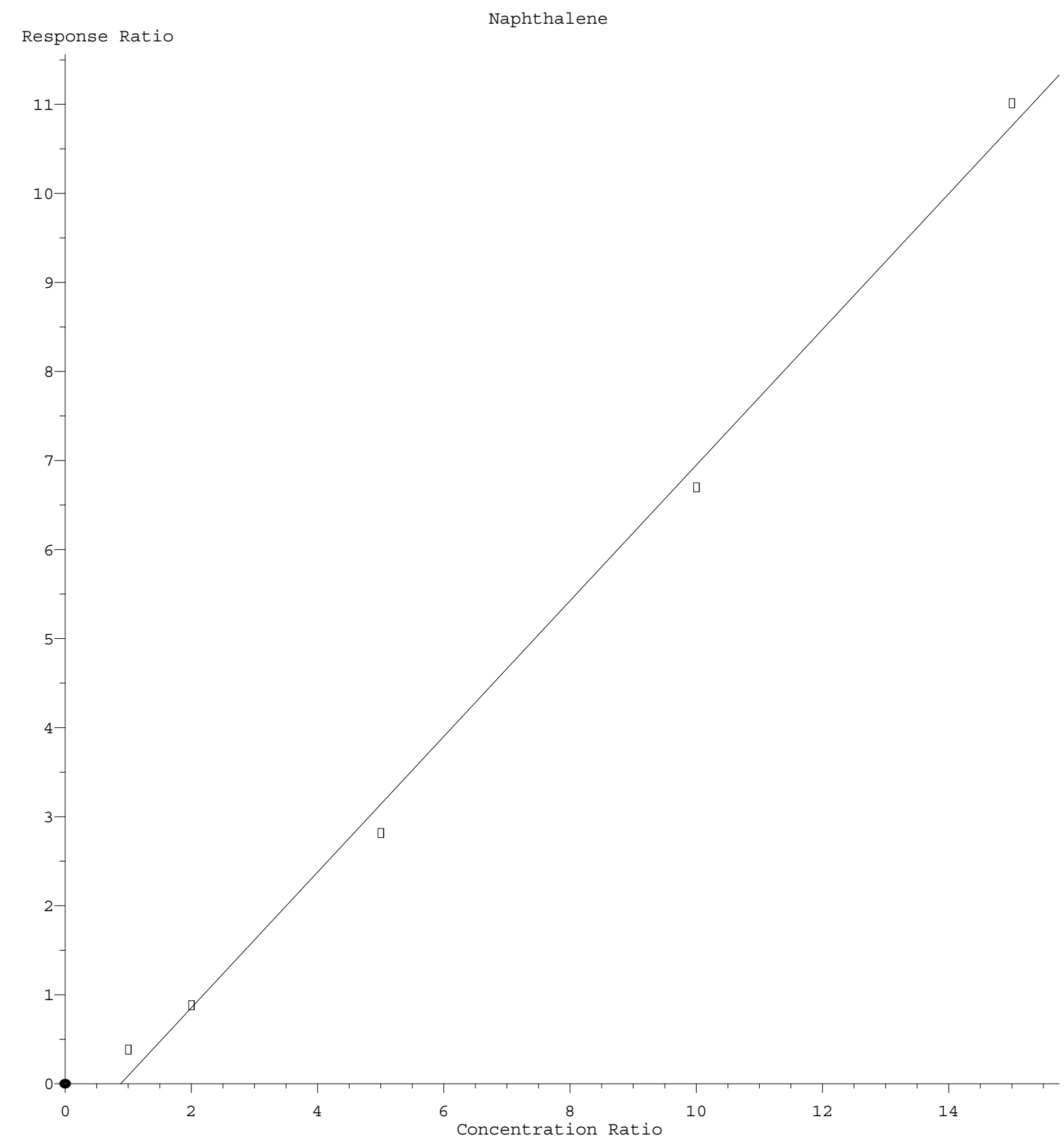
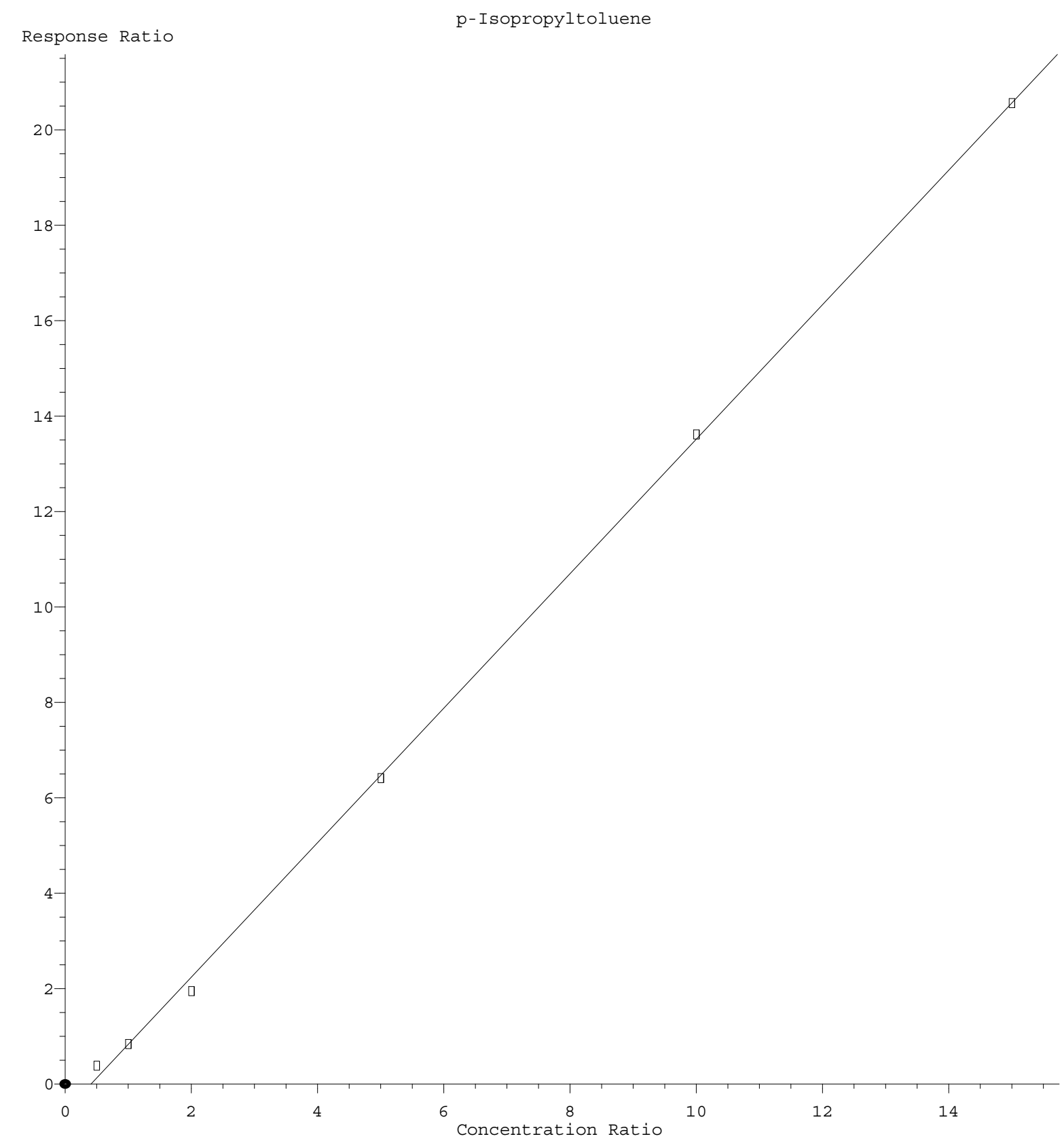
Calibration Table Last Updated: Tue Jun 24 05:06:50 2025



Response = 7.620e-001 * Amt - 6.711e-001
Coef of Det (r^2) = 0.996037 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U062325DW.M
Calibration Table Last Updated: Tue Jun 24 05:06:50 2025



Response = 1.410e+000 * Amt - 5.816e-001
Coef of Det (r^2) = 0.999508 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U062325DW.M
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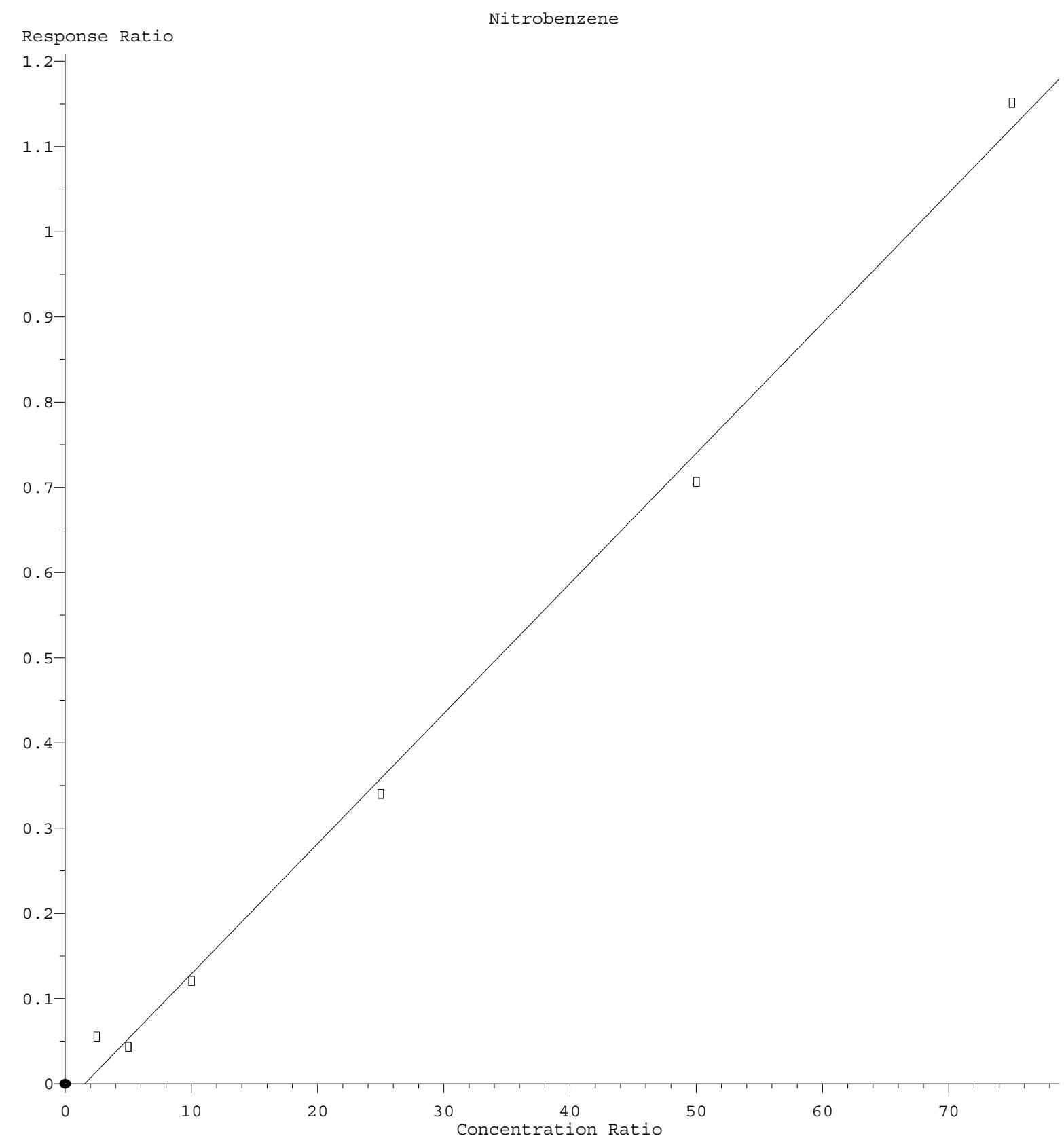

Response = 1.528e-002 * Amt - 2.367e-002
Coef of Det (r^2) = 0.995793 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U062325DW.M
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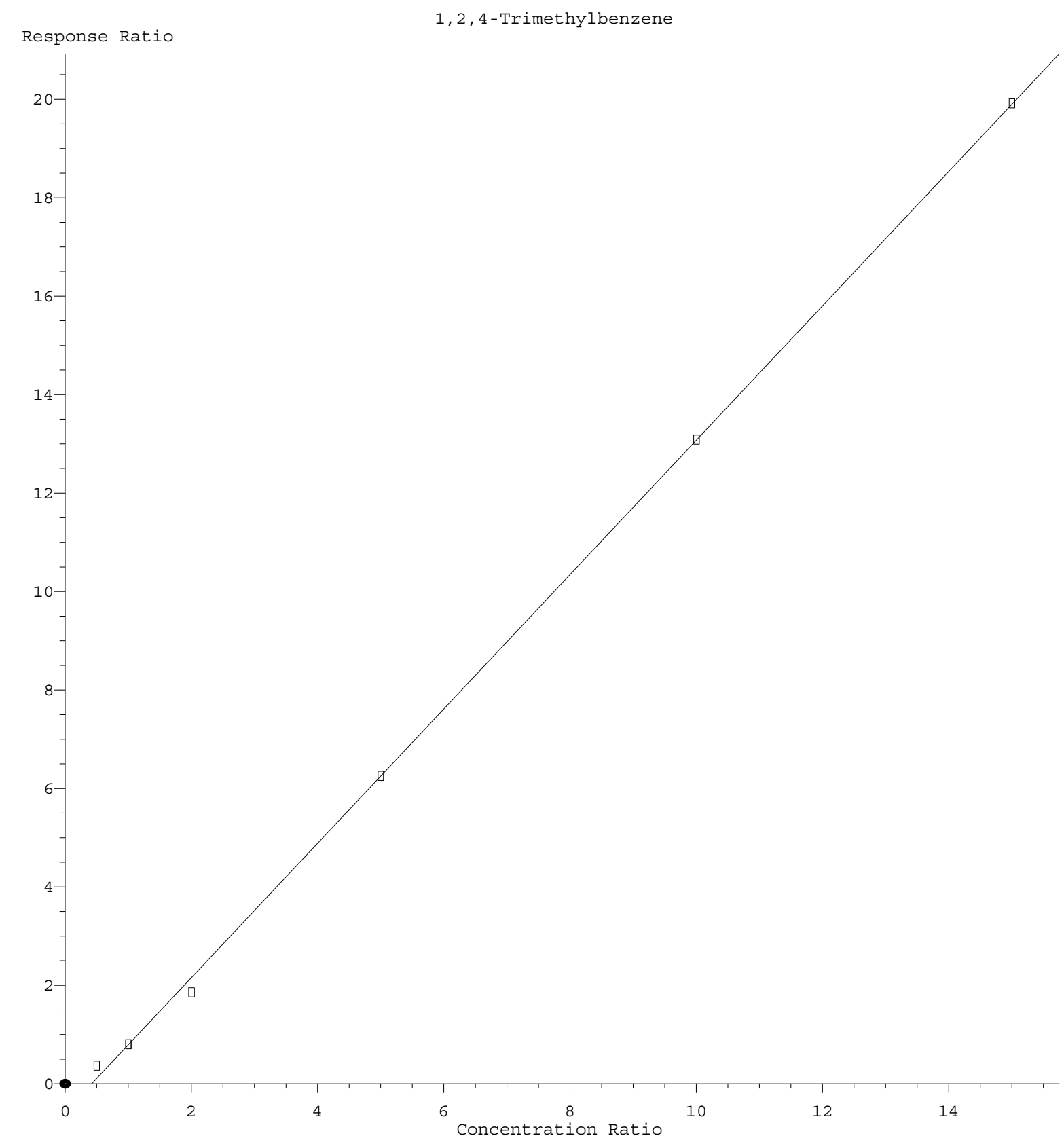

Response = 1.364e+000 * Amt - 5.703e-001
Coef of Det (r^2) = 0.999505 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U062325DW.M
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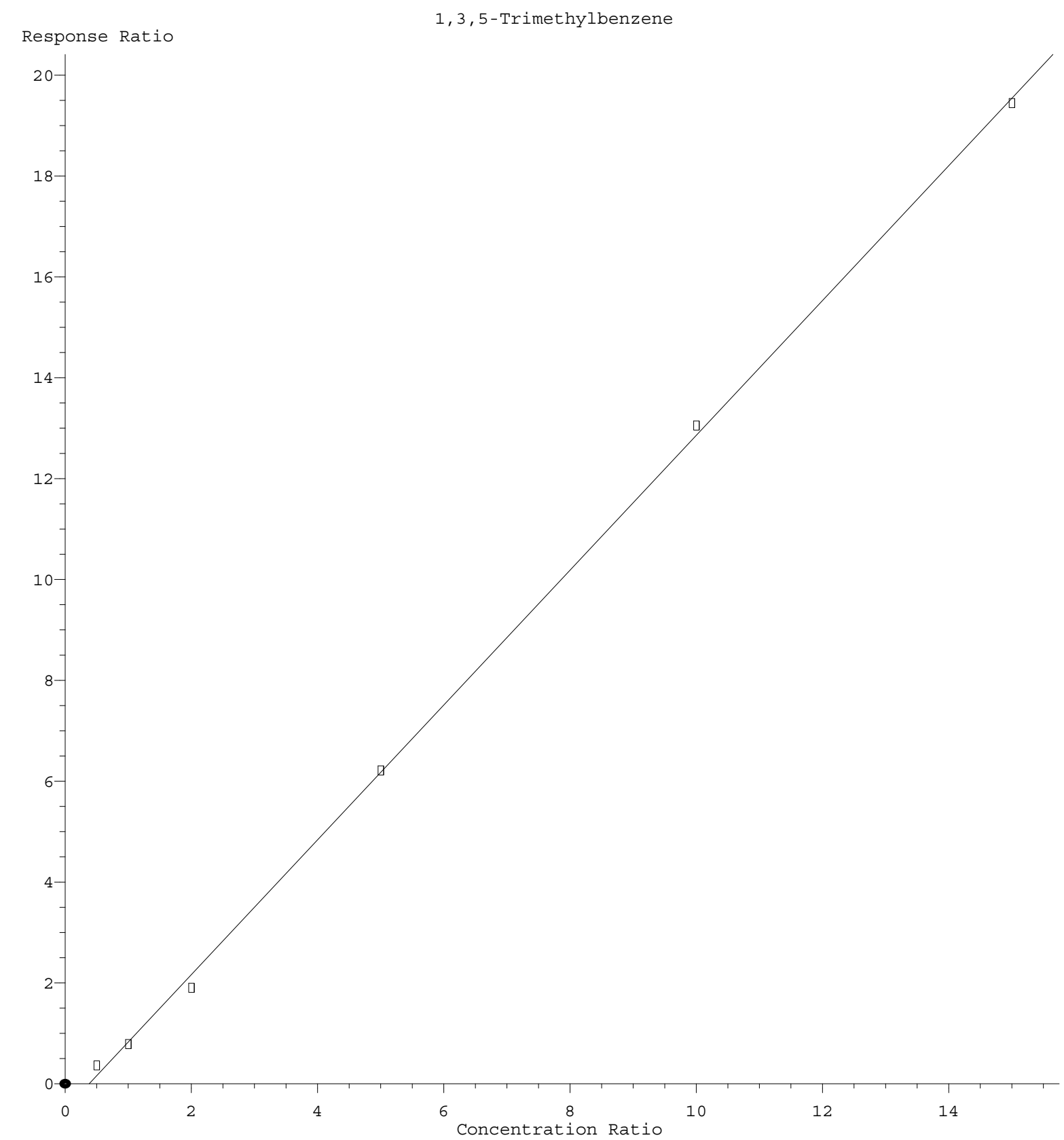

Response = 1.337e+000 * Amt - 5.041e-001
Coef of Det (r^2) = 0.999468 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U062325DW.M
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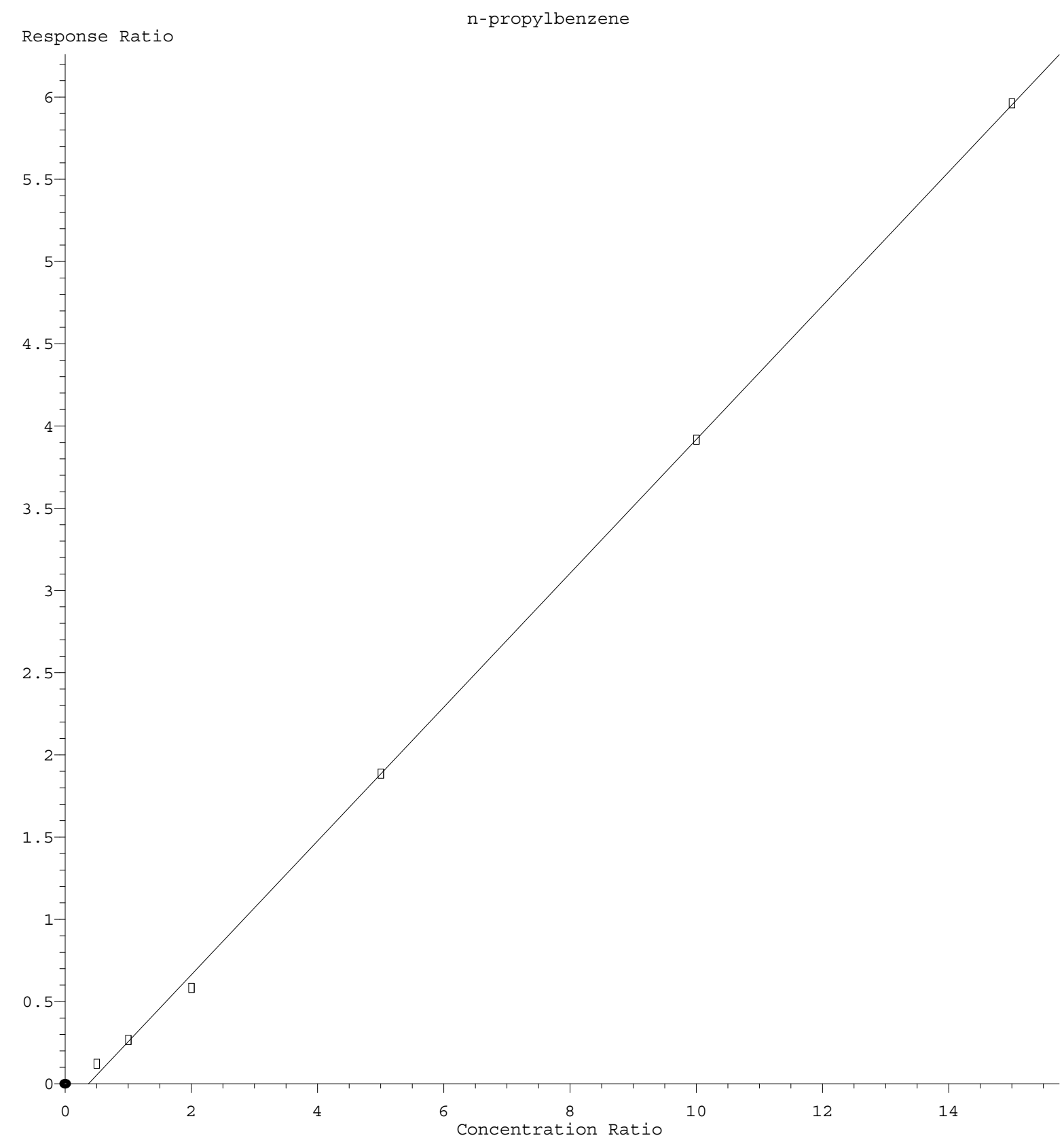
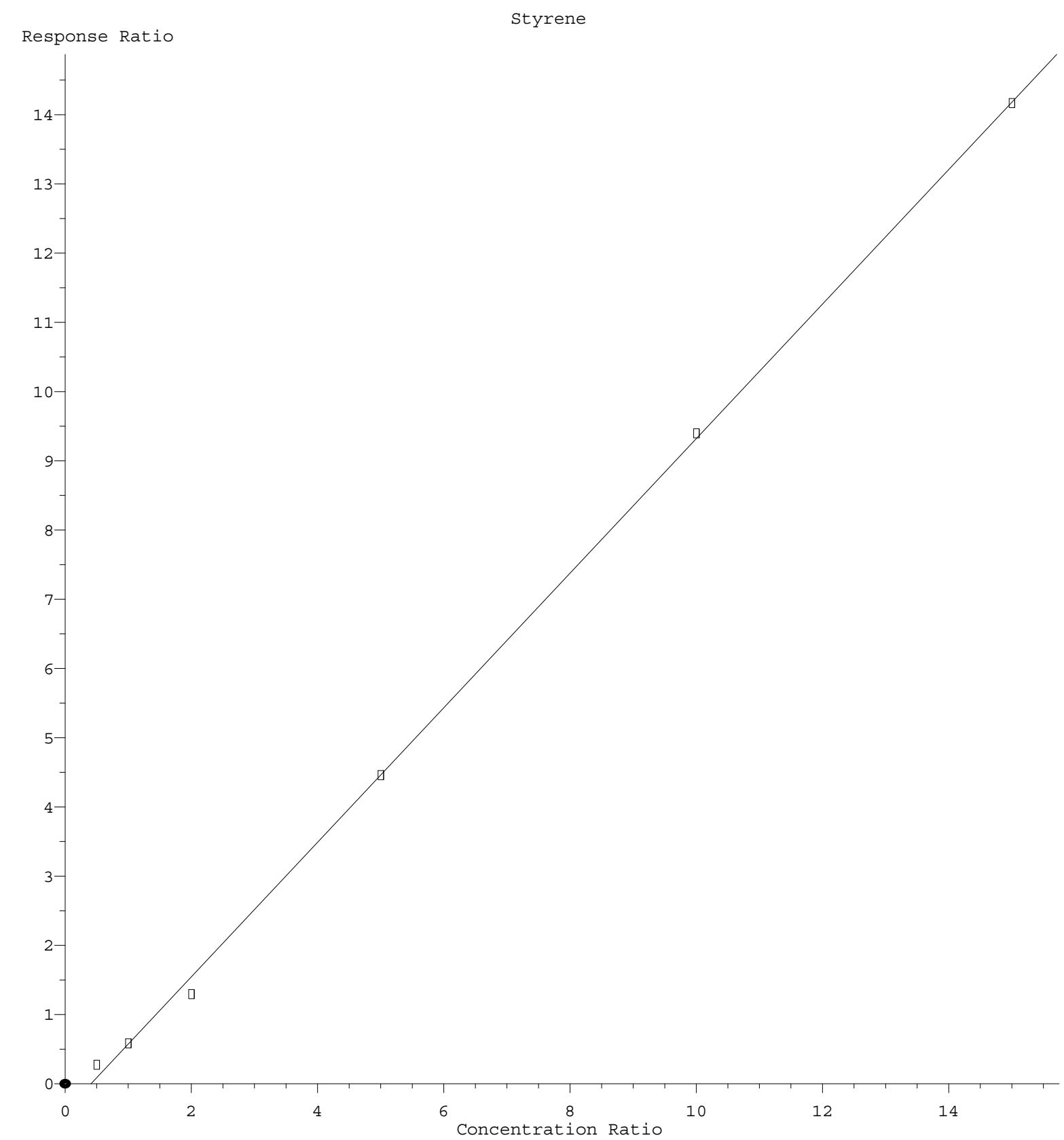


Response = 4.067e-001 * Amt - 1.486e-001
Coef of Det (r^2) = 0.999589 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U062325DW.M
Calibration Table Last Updated: Tue Jun 24 05:06:50 2025



Response = 9.726e-001 * Amt - 4.011e-001
Coef of Det (r^2) = 0.999346 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
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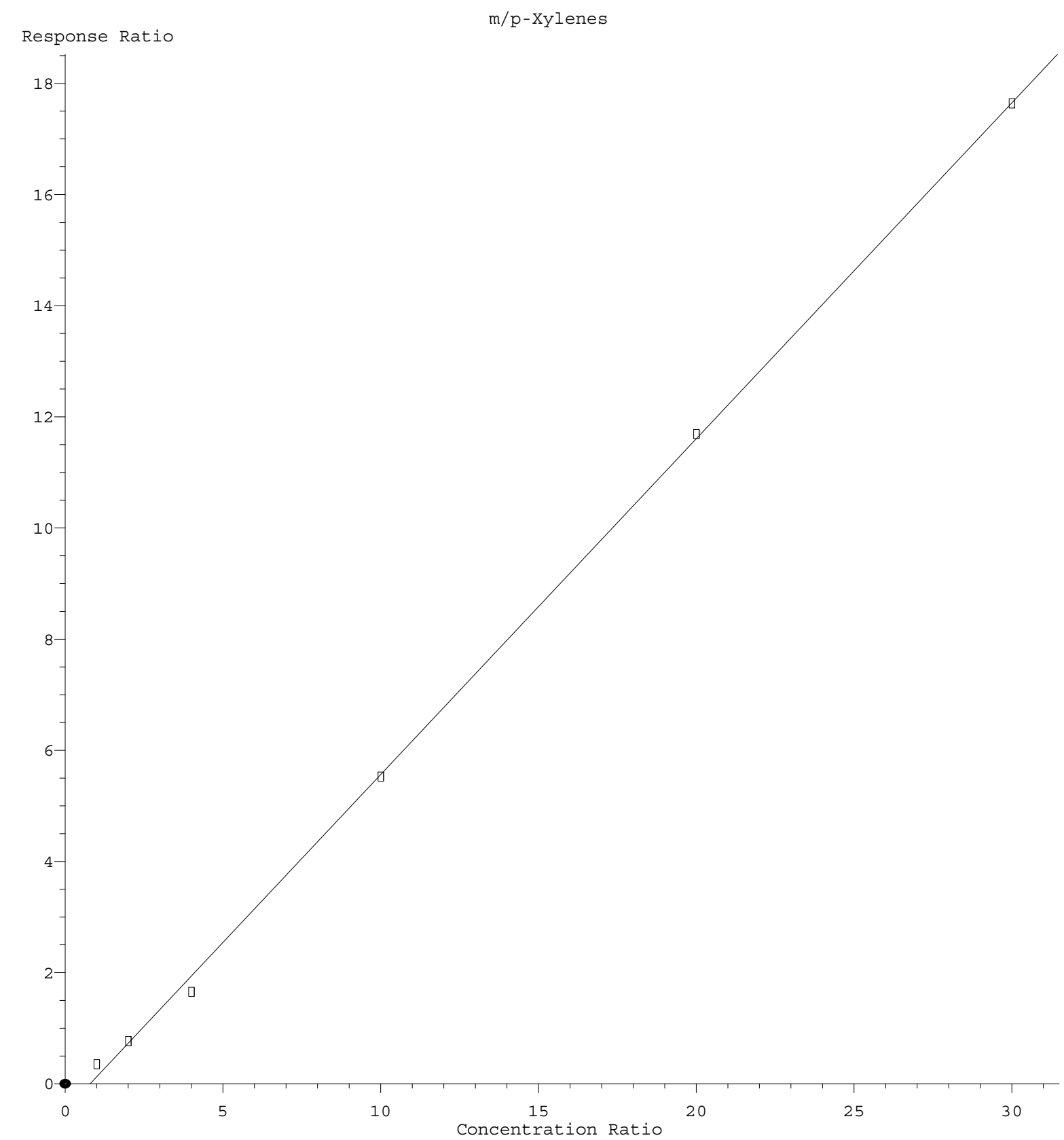

Response = 6.042e-001 * Amt - 4.758e-001
Coef of Det (r^2) = 0.999421 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
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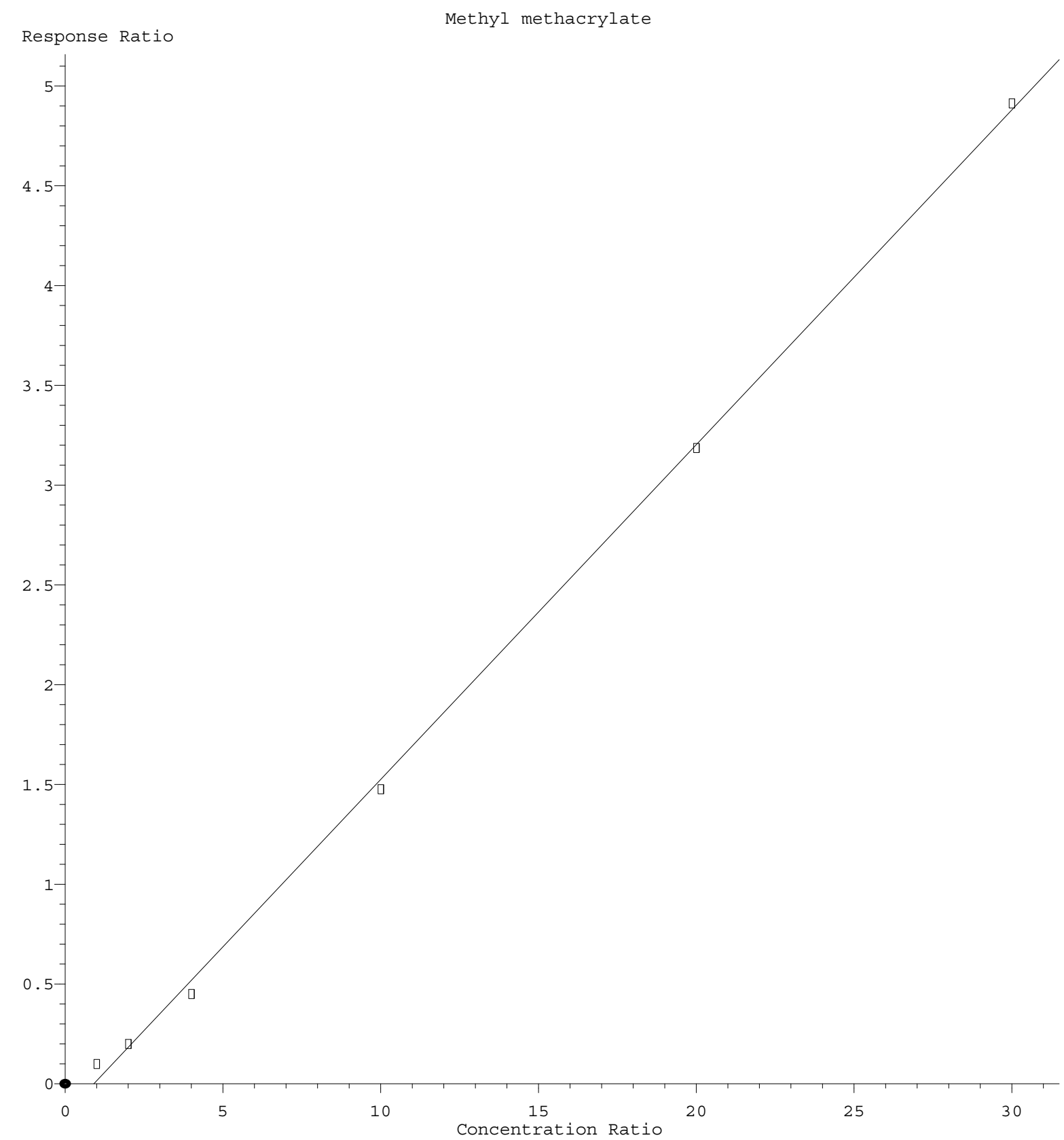

Response = 1.678e-001 * Amt - 1.532e-001
Coef of Det (r^2) = 0.999164 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U062325DW.M
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