Response Factor Report MSVOA_U

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 524U060524DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Thu Jun 06 08:51:44 2024
Response Via : Initial Calibration

Calibration Files
0.5 =VU059144.D 1 =VU059151.D 2 =VU059145.D 5 =VU059147.D 10 =VU059148.D 15 =VU059149.D

		Compound	0.5	1	2	5	10	15	Avg	%RSD
1)	i	Fluorobenzene	----------	----------	ISTD	----------	----------	----------		
2)	T	Dichlorodifluo...	0.314	0.283	0.330	0.336	0.318	0.299	0.313	6.24
3)	t	Chloromethane	0.421	0.355	0.386	0.387	0.368	0.346	0.377	7.12
4)	Rt	Vinyl Chloride	0.413	0.356	0.386	0.395	0.377	0.359	0.381	5.67
5)	T	Bromomethane	0.271	0.237	0.237	0.224	0.216	0.205	0.232	9.93
6)	T	Chloroethane	0.265	0.207	0.237	0.245	0.232	0.285	0.245	11.10
7)	T	Trichlorofluor...	0.447	0.399	0.442	0.462	0.438	0.649	0.473	18.77
8)		1,1,2-Trichlor...	0.262	0.219	0.250	0.254	0.237	0.237	0.243	6.26
9)	Rt	1,1-Dichloroet...	0.257	0.213	0.241	0.247	0.237	0.249	0.241	6.26
10)	t	Iodomethane		0.237	0.319	0.358	0.347	0.258	0.304	17.79
11)	t	Allyl Chloride	0.344	0.291	0.321	0.336	0.328	0.333	0.326	5.71
12)	t	Acrylonitrile	0.045	0.052	0.057	0.056	0.058	0.058	0.054	8.96
13)	T	Acetone	0.095	0.059	0.072	0.102	0.075	0.094	0.083	19.85
14)	T	Carbon Disulfide	0.872	0.691	0.781	0.808	0.759	0.695	0.768	9.00
15)	RT	Methylene Chlo...	0.417	0.324	0.329	0.319	0.297	0.295	0.330	13.63
16)	RT	trans-1,2-Dich...	0.272	0.230	0.261	0.282	0.267	0.265	0.263	6.68
17)	t	1,1-Dichloroet...	0.594	0.496	0.567	0.563	0.544	0.539	0.550	6.00
18)	T	2-Butanone	0.102	0.070	0.082	0.104	0.088	0.105	0.092	15.43
19)		Cyclohexane	0.354	0.327	0.375	0.437	0.441	0.456	0.398	13.46
20)		Methylcyclohexane	0.342	0.336	0.363	0.435	0.452	0.473	0.400	15.03
21)	T	2,2-Dichloropr...	0.426	0.360	0.399	0.431	0.414	0.414	0.407	6.29
22)	RT	cis-1,2-Dichlo...	0.261	0.261	0.281	0.312	0.301	0.298	0.286	7.55
23)	t	Diethyl Ether	0.227	0.193	0.214	0.225	0.216	0.280	0.226	12.97
24)	t	tert-Butyl Alc...		0.014	0.015	0.015	0.013	0.016	0.014	6.13
25)	t	Methyl tert-Bu...	0.556	0.508	0.559	0.604	0.613	0.627	0.578	7.76
26)	t	Bromochloromet...	0.110	0.108	0.131	0.131	0.124	0.120	0.121	8.36
27)	t	Chloroform	0.598	0.501	0.559	0.580	0.549	0.532	0.553	6.26
28)	RT	1,1,1-Trichlor...	0.463	0.381	0.432	0.467	0.440	0.435	0.436	7.08
29)	T	1,1-Dichloropr...	0.336	0.326	0.357	0.399	0.389	0.386	0.366	8.36
30)	RT	Carbon Tetrach...	0.378	0.320	0.361	0.378	0.363	0.346	0.358	6.17
31)	t	Isopropyl Ether	0.704	0.623	0.674	0.750	0.773	0.808	0.722	9.43
32)		Ethyl-t-butyl ...	0.623	0.571	0.628	0.702	0.726	0.778	0.672	11.46
33)		Tert-Amyl meth...	0.538	0.493	0.559	0.637	0.644	0.686	0.593	12.45
34)	t	Propionitrile	0.020	0.018	0.023	0.022	0.021	0.022	0.021	8.10
35)	RT	Benzene	1.120	1.022	1.160	1.238	1.182	1.176	1.150	6.37
36)	RT	1,2-Dichloroet...	0.329	0.309	0.351	0.369	0.346	0.342	0.341	6.01
37)	RT	Trichloroethene	0.298	0.245	0.275	0.285	0.274	0.271	0.275	6.41
38)	Rt	1,2-Dichloropr...	0.320	0.301	0.328	0.346	0.334	0.330	0.326	4.61
39)	t	Methacrylonitrile	0.072	0.068	0.076	0.085	0.086	0.083	0.078	9.81
40)	t	Methyl acrylate	0.098	0.135	0.123	0.149	0.151	0.168	0.137	17.83
41)	t	Tetrahydrofuran	0.042	0.038	0.043	0.044	0.042	0.043	0.042	4.76
42)	t	1-Chlorobutane	0.455	0.425	0.492	0.559	0.547	0.553	0.505	11.24
43)	T	Dibromomethane	0.155	0.124	0.150	0.158	0.151	0.148	0.148	8.17
44)	T	Bromodichlorom...	0.389	0.331	0.395	0.409	0.390	0.384	0.383	6.98
45)	T	4-Methyl-2-Pen...	0.148	0.132	0.152	0.171	0.169	0.179	0.158	11.15
46)	t	t-1,4-Dichloro...	0.072	0.056	0.073	0.068	0.067	0.068	0.067	8.90
47)	t	Methyl methacr...	0.103	0.100	0.122	0.143	0.144	0.149	0.127	17.11
48)	t	Ethyl methacry...	0.183	0.175	0.203	0.244	0.260	0.280	0.224	19.37
49)	Rt	Toluene	0.553	0.521	0.604	0.710	0.699	0.711	0.633	13.44
50)	T	t-1,3-Dichloro...	0.295	0.279	0.315	0.354	0.354	0.369	0.328	11.11
51)	T	cis-1,3-Dichlo...	0.390	0.333	0.398	0.421	0.427	0.440	0.401	9.57
52)	RT	1,1,2-Trichlor...	0.229	0.186	0.229	0.229	0.214	0.222	0.218	7.72
53)	t	1,3-Dichloropr...	0.389	0.331	0.369	0.394	0.387	0.388	0.376	6.31
54)	t	2-Hexanone	0.102	0.088	0.107	0.152	0.132	0.156	0.123	22.87
55)	t	Dibromochlorom...	0.245	0.205	0.237	0.249	0.243	0.240	0.236	6.74
56)	T	1,2-Dibromoethane	0.195	0.173	0.189	0.201	0.193	0.198	0.192	5.28
57)	S	4-Bromofluorob...	0.343	0.311	0.337	0.345	0.349	0.357	0.340	4.67

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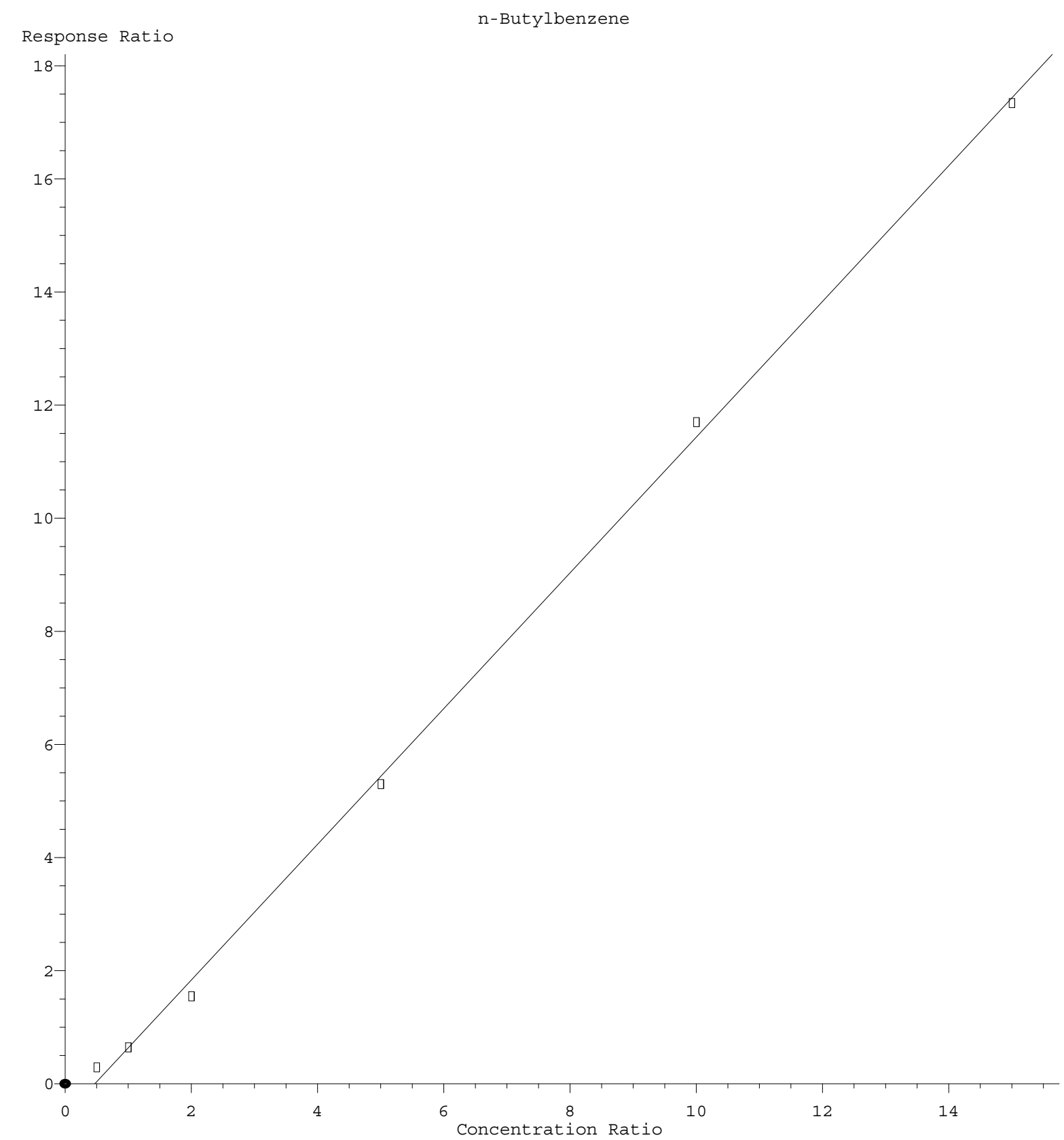
58)	RT	Tetrachloroethene	0.268	0.236	0.257	0.269	0.250	0.239	0.253	5.52
59)	Rt	Chlorobenzene	0.643	0.591	0.694	0.739	0.730	0.759	0.693	9.29
60)	T	1,1,1,2-Tetrac...	0.268	0.209	0.246	0.258	0.253	0.254	0.248	8.35
61)	t	Pentachloroethane	0.191	0.162	0.193	0.207	0.196	0.205	0.192	8.32
62)	t	Hexachloroethane	0.179	0.154	0.188	0.217	0.214	0.223	0.196	13.75
63)	Rt	Ethyl Benzene	0.963	0.931	1.080	1.298	1.329	1.417	1.169	17.57
64)	RT	m/p-Xylenes	0.345	0.343	0.401	0.510	0.514	0.532	0.441	19.96
65)	RT	o-Xylene	0.361	0.347	0.406	0.482	0.490	0.524	0.435	16.96
66)	RT	Styrene	0.528	0.521	0.643	0.800	0.821	0.858	0.695	21.77
67)	t	Bromoform	0.145	0.109	0.121	0.131	0.131	0.131	0.128	9.44
68)	S	1,2-Dichlorobe...	0.336	0.332	0.386	0.363	0.350	0.371	0.356	5.88
69)	T	Isopropylbenzene	0.907	0.872	1.009	1.248	1.286	1.366	1.114	18.98
70)	T	1,1,2,2-Tetrac...	0.263	0.251	0.278	0.292	0.282	0.282	0.275	5.41
71)	T	1,2,3-Trichlor...	0.248	0.173	0.218	0.210	0.197	0.210	0.210	11.71
72)	t	Bromobenzene	0.248	0.233	0.251	0.289	0.288	0.294	0.267	9.75
73)	t	n-propylbenzene	0.220	0.228	0.277	0.345	0.353	0.364	0.298	21.80
74)	t	2-Chlorotoluene	0.239	0.227	0.255	0.300	0.303	0.309	0.272	13.30
75)	t	1,3,5-Trimethy...	0.685	0.710	0.865	1.106	1.115	1.172	0.942	23.05
76)	t	4-Chlorotoluene	0.248	0.224	0.264	0.325	0.323	0.324	0.285	15.68
77)	t	tert-Butylbenzene	0.723	0.711	0.824	1.000	1.022	1.086	0.895	18.16
78)	t	1,2,4-Trimethy...	0.656	0.710	0.853	1.132	1.158	1.197	0.951	25.36
79)	t	sec-Butylbenzene	0.943	0.944	1.153	1.437	1.466	1.513	1.243	21.23
80)		Nitrobenzene	0.004	0.004	0.006	0.006	0.008	0.008	0.006	30.45
81)	t	p-Isopropyltol...	0.652	0.682	0.853	1.130	1.189	1.214	0.953	26.92
82)	t	1,3-Dichlorobe...	0.532	0.491	0.555	0.614	0.604	0.602	0.566	8.61
83)	Rt	1,4-Dichlorobe...	0.537	0.472	0.562	0.612	0.615	0.599	0.566	9.75
84)	t	n-Butylbenzene	0.580	0.643	0.773	1.059	1.170	1.156	0.897	29.44
85)	Rt	1,2-Dichlorobe...	0.519	0.454	0.519	0.577	0.574	0.563	0.534	8.83
86)	t	1,2-Dibromo-3-...	0.035	0.030	0.035	0.042	0.042	0.041	0.037	13.17
87)	Rt	1,2,4-Trichlor...	0.251	0.242	0.253	0.312	0.339	0.319	0.286	14.69
88)	t	Hexachlorobuta...	0.176	0.144	0.165	0.197	0.197	0.192	0.179	11.84
89)	t	Naphthalene		0.480	0.356	0.437	0.540	0.513	0.465	15.46
90)	t	1,2,3-Trichlor...	0.223	0.224	0.232	0.276	0.313	0.292	0.260	14.90

(#) = Out of Range



Response = 1.200e+000 * Amt - 5.663e-001
Coef of Det (r^2) = 0.998985 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U060524DW.M
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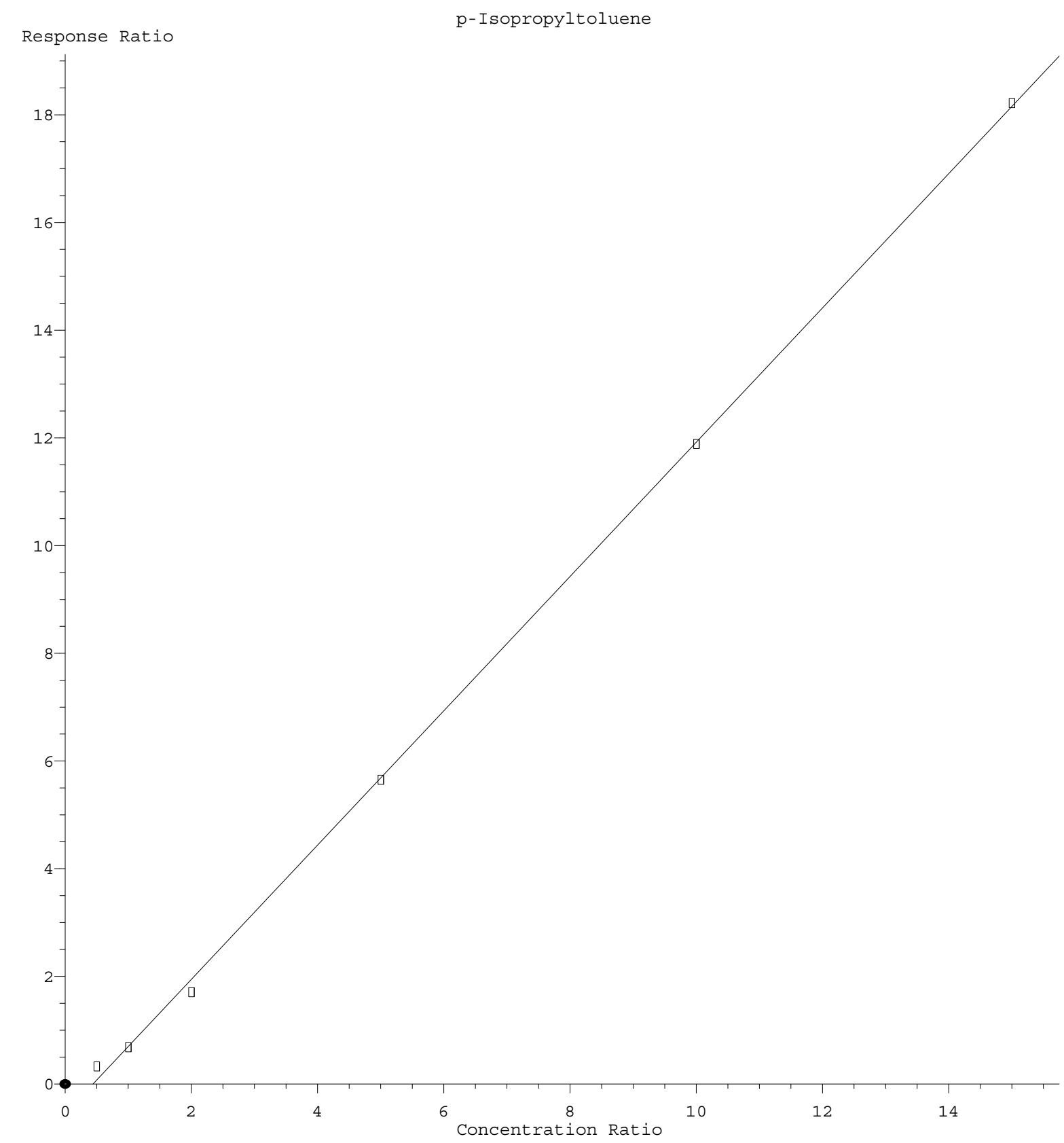

Response = 1.247e+000 * Amt - 5.544e-001
Coef of Det (r^2) = 0.999515 Curve Fit: Linear
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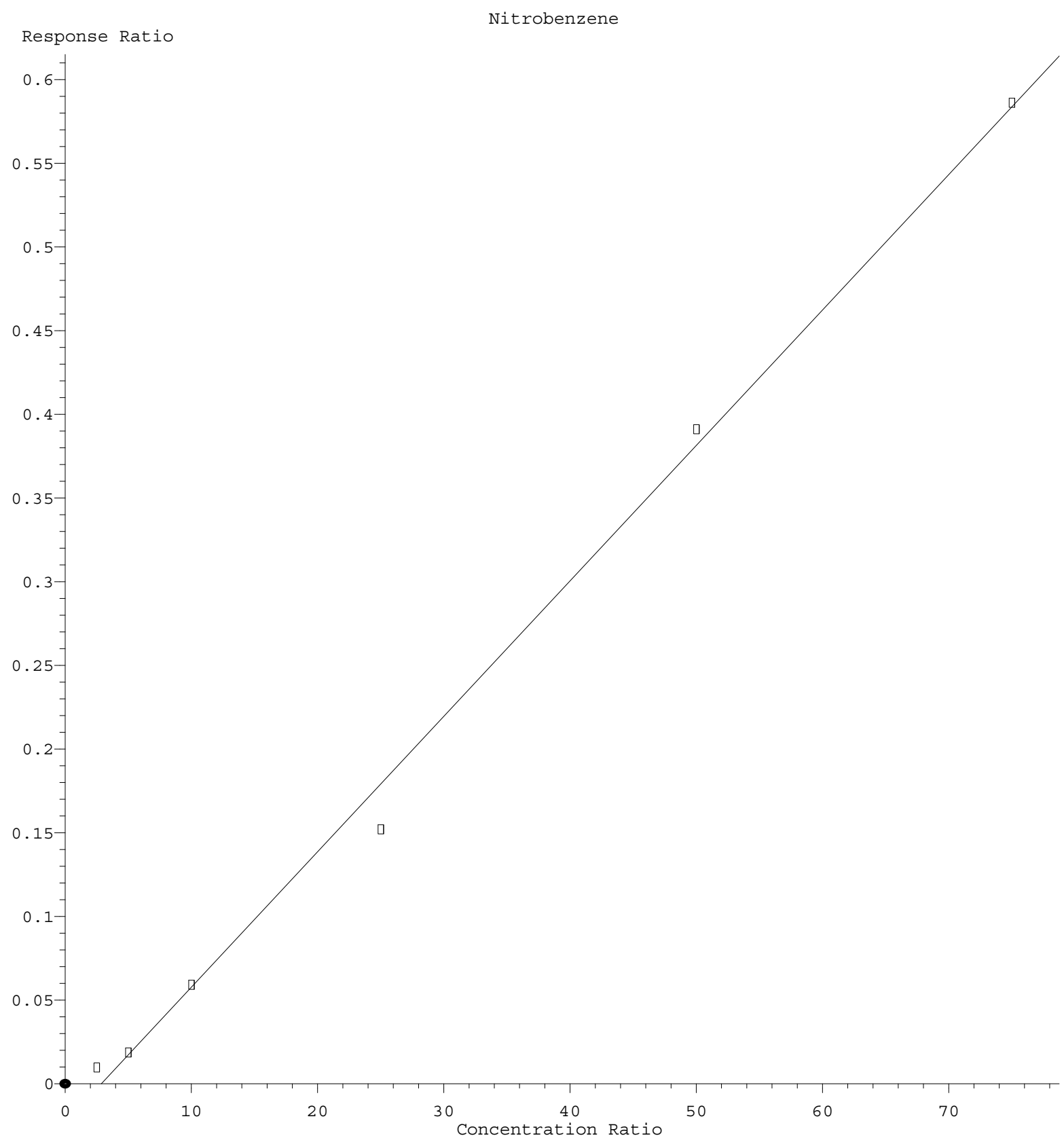
Calibration Table Last Updated: Thu Jun 06 08:51:44 2024



Response = 8.098e-003 * Amt - 2.326e-002
Coef of Det (r^2) = 0.996389 Curve Fit: Linear
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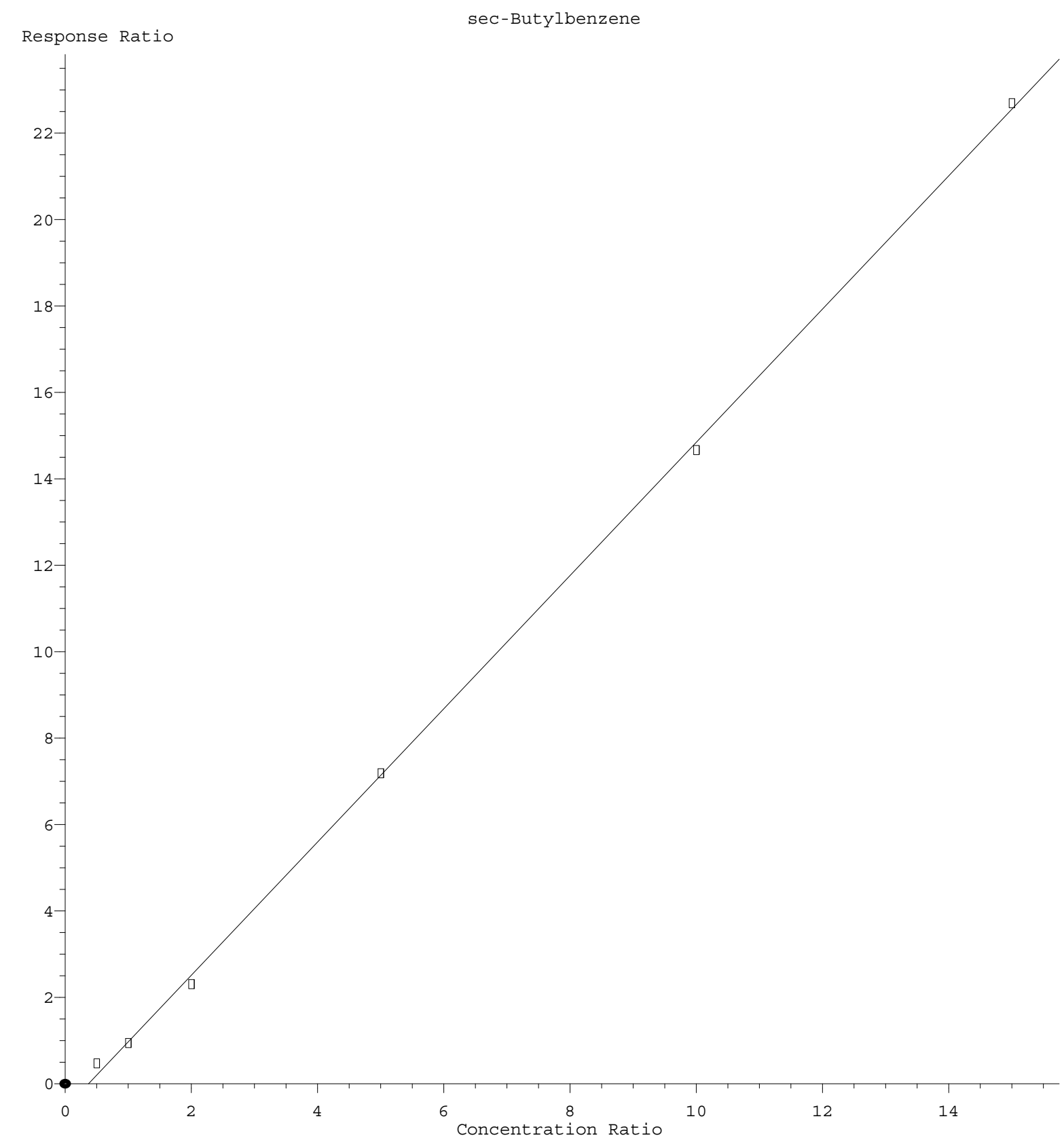
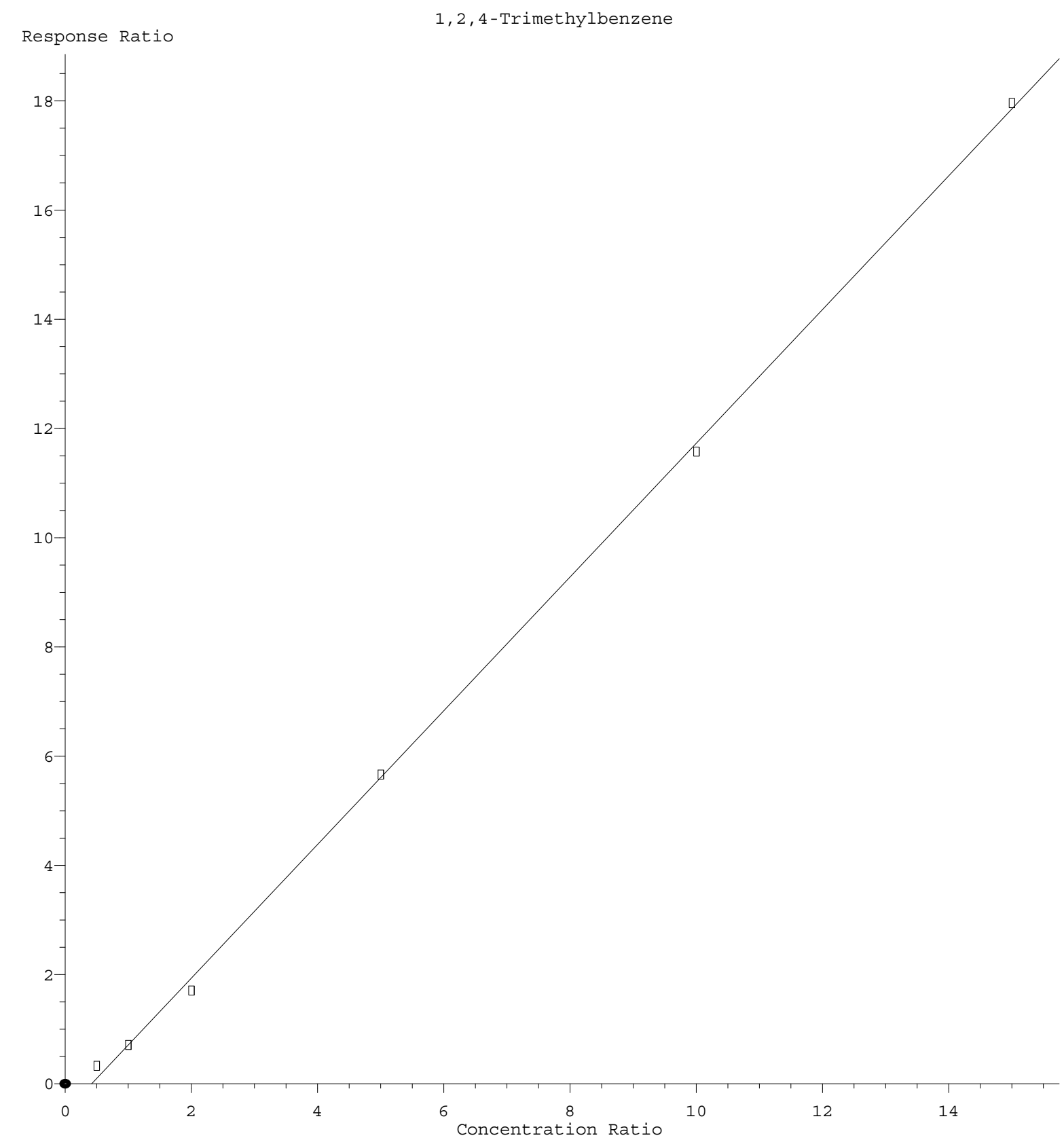
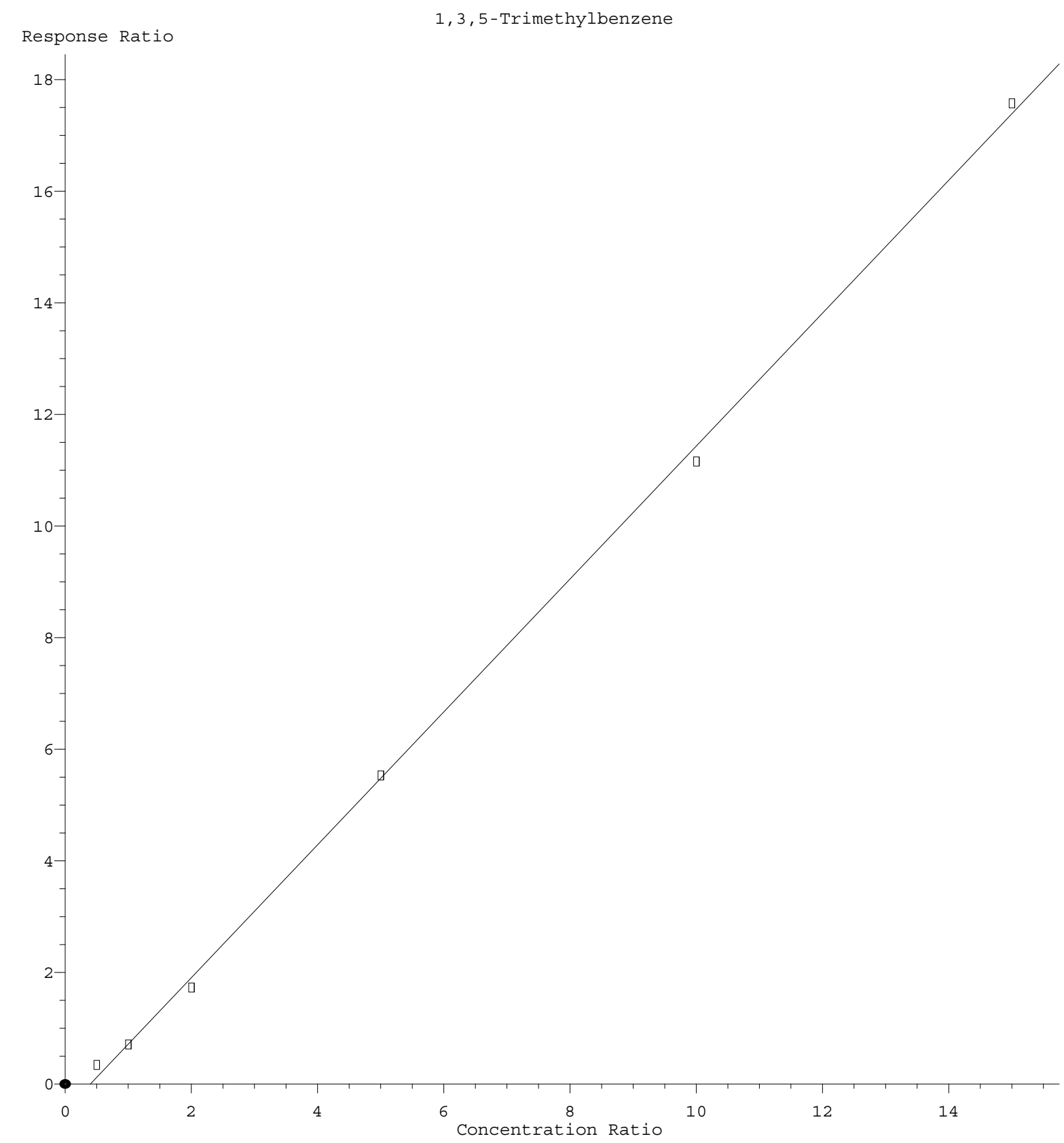
Calibration Table Last Updated: Thu Jun 06 08:51:44 2024



Response = 1.541e+000 * Amt - 5.626e-001
Coef of Det (r^2) = 0.999572 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U060524DW.M
Calibration Table Last Updated: Thu Jun 06 08:51:44 2024



Response = 1.224e+000 * Amt - 5.111e-001
Coef of Det (r^2) = 0.999433 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U060524DW.M
Calibration Table Last Updated: Thu Jun 06 08:51:44 2024



Response = 1.191e+000 * Amt - 4.762e-001
Coef of Det (r^2) = 0.999181 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U060524DW.M
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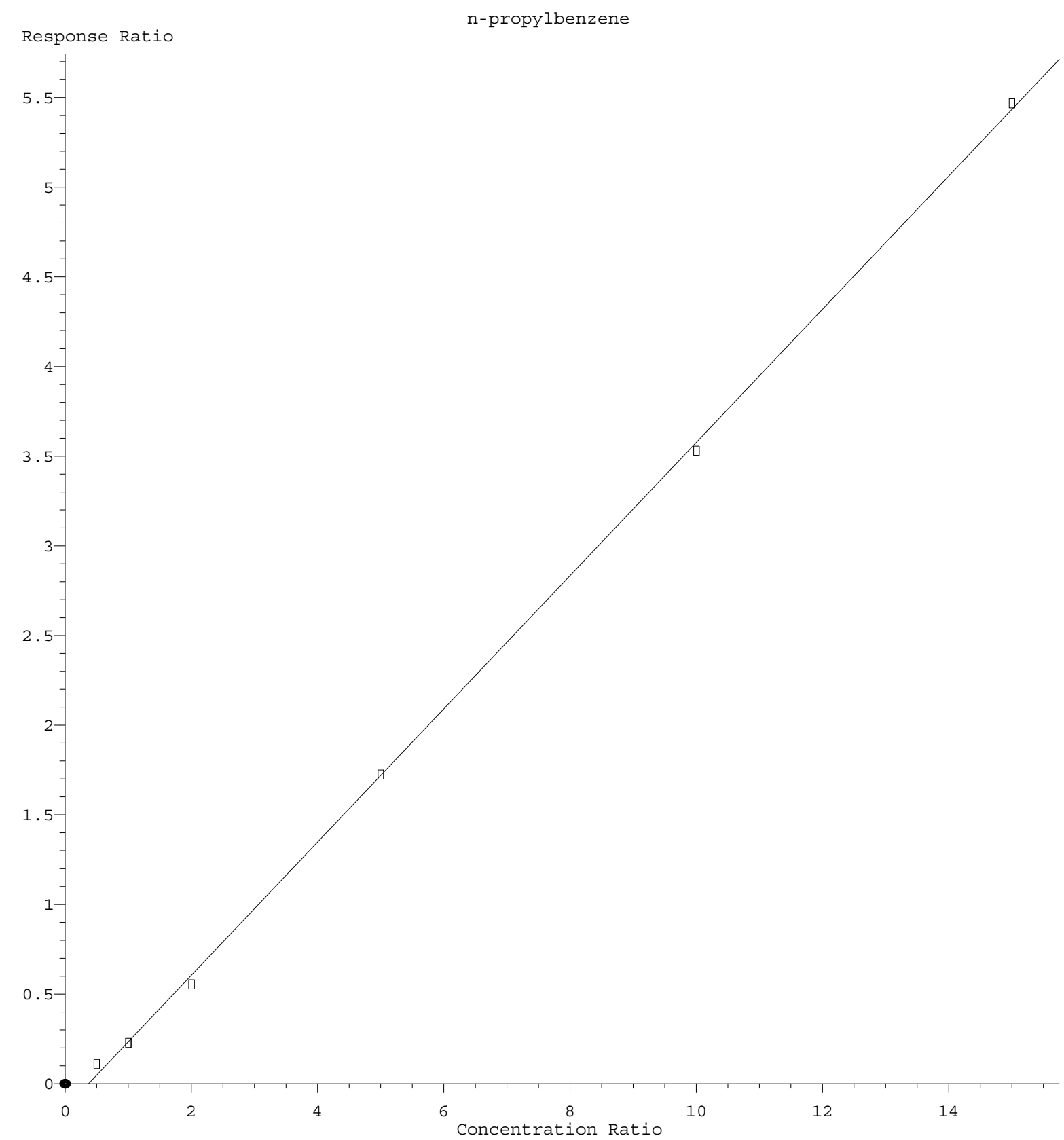

Response = 3.714e-001 * Amt - 1.383e-001
Coef of Det (r^2) = 0.999577 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U060524DW.M
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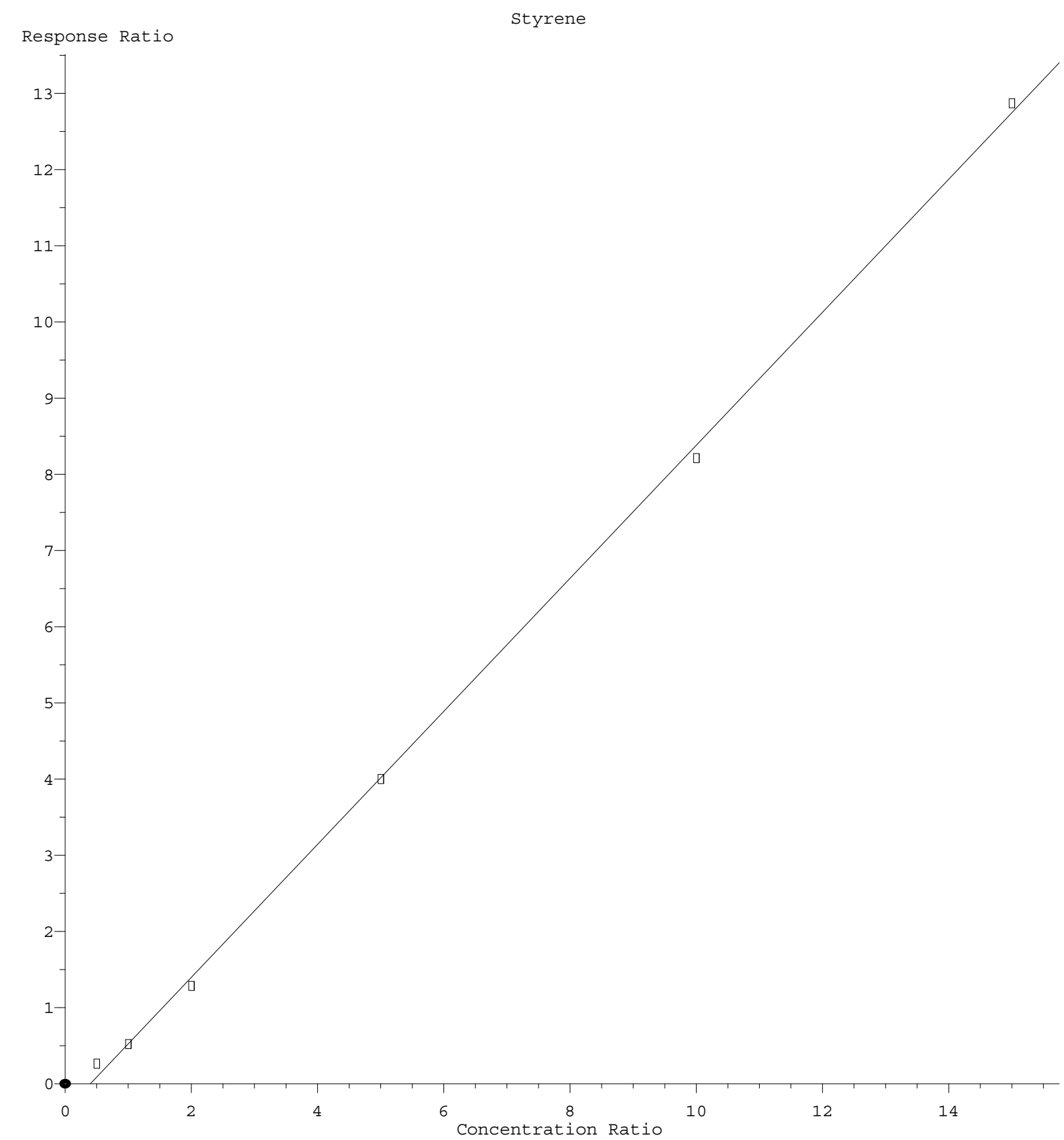
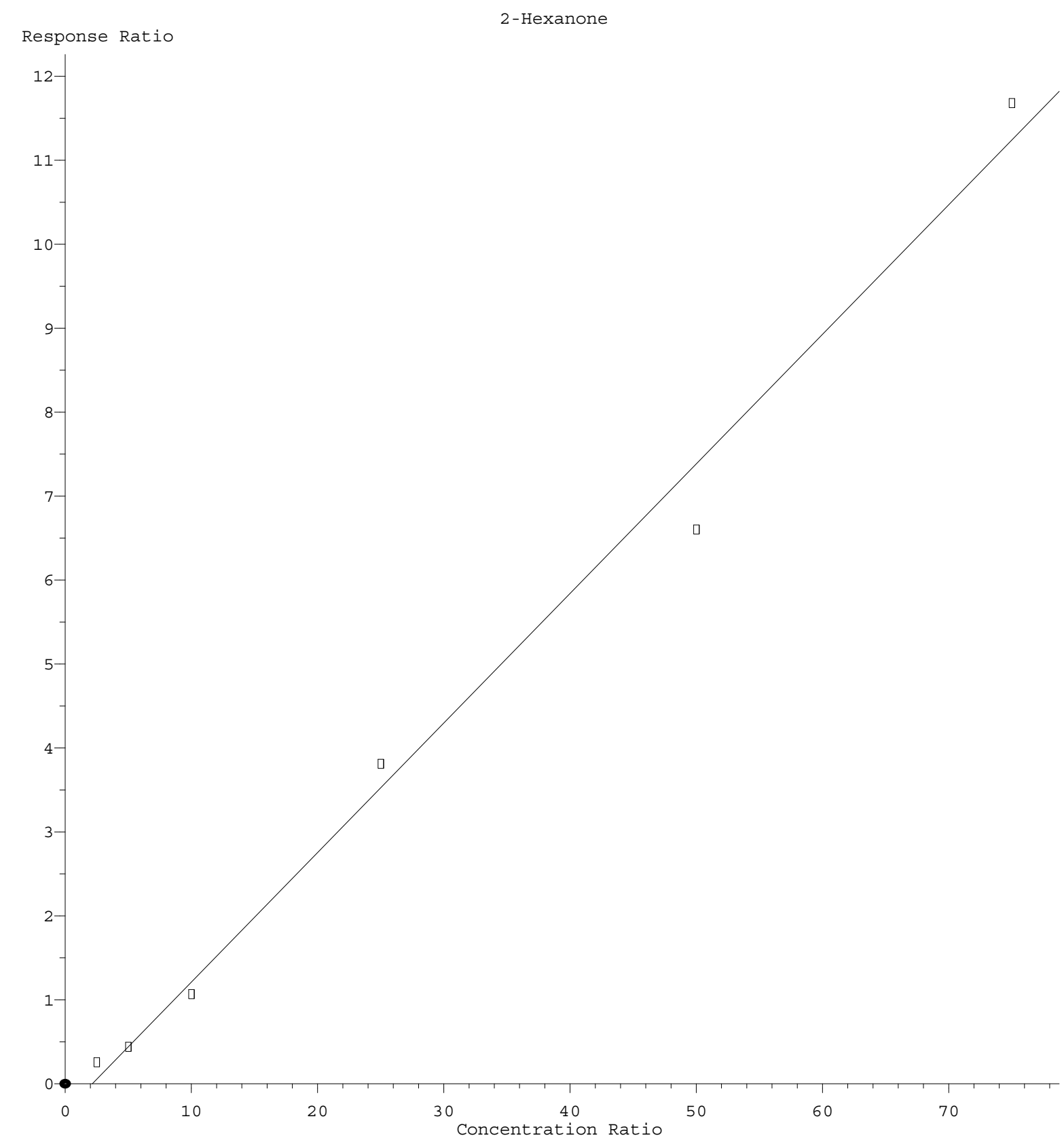


Response = 8.725e-001 * Amt - 3.468e-001
Coef of Det (r^2) = 0.999318 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U060524DW.M
Calibration Table Last Updated: Thu Jun 06 08:51:44 2024



Response = 1.543e-001 * Amt - 3.321e-001
Coef of Det (r^2) = 0.990637 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U060524DW.M
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