Response Factor Report MSVOA_U

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 524U073024DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Wed Jul 31 04:49:33 2024
Response Via : Initial Calibration

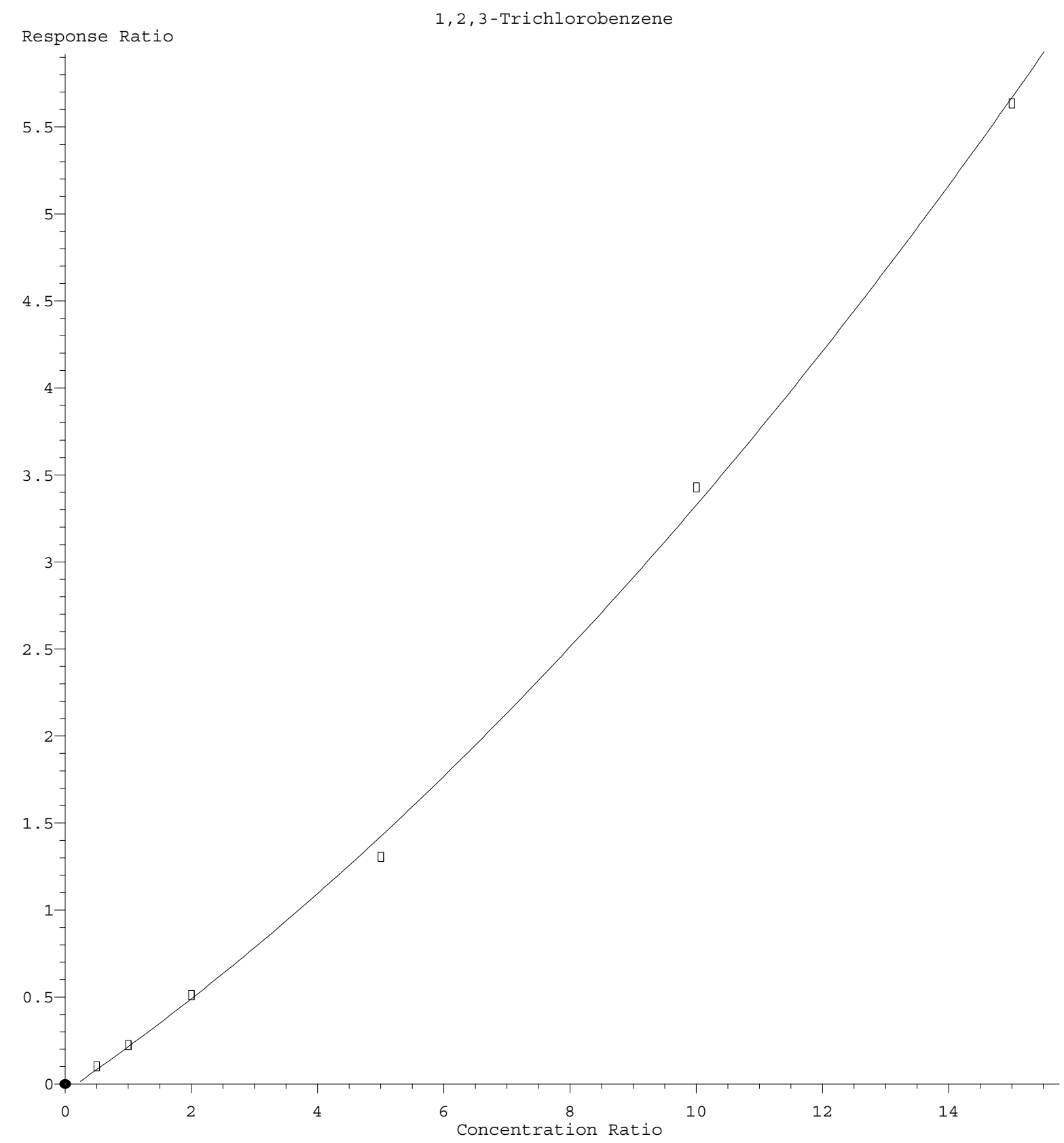
Calibration Files
0.5 =VU060265.D 1 =VU060266.D 2 =VU060267.D 5 =VU060268.D 10 =VU060269.D 15 =VU060270.D

		Compound	0.5	1	2	5	10	15	Avg	%RSD
1)	i	Fluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.347	0.353	0.367	0.332	0.371	0.379	0.358	4.85
3)	t	Chloromethane	0.448	0.441	0.436	0.391	0.431	0.439	0.431	4.73
4)	Rt	Vinyl Chloride	0.385	0.403	0.430	0.392	0.437	0.456	0.417	6.74
5)	T	Bromomethane	0.271	0.244	0.252	0.230	0.258	0.268	0.254	6.08
6)	T	Chloroethane	0.259	0.243	0.250	0.231	0.259	0.263	0.251	4.83
7)	T	Trichlorofluor...	0.463	0.464	0.489	0.439	0.483	0.491	0.472	4.25
8)		1,1,2-Trichlor...	0.258	0.257	0.268	0.248	0.273	0.276	0.263	4.14
9)	Rt	1,1-Dichloroet...	0.242	0.265	0.286	0.248	0.286	0.284	0.268	7.53
10)	t	Iodomethane	0.308	0.294	0.339	0.318	0.346	0.358	0.327	7.55
11)	t	Allyl Chloride	0.390	0.380	0.406	0.365	0.397	0.392	0.388	3.67
12)	t	Acrylonitrile	0.083	0.074	0.069	0.066	0.081	0.082	0.076	9.45
13)	T	Acetone	0.099	0.097	0.073	0.072	0.067	0.058	0.078	21.38
14)	T	Carbon Disulfide	0.892	0.927	0.991	0.885	0.984	1.009	0.948	5.67
15)	RT	Methylene Chlo...	0.482	0.382	0.359	0.334	0.349	0.343	0.375	14.68
16)	RT	trans-1,2-Dich...	0.281	0.286	0.312	0.281	0.307	0.309	0.296	5.08
17)	t	1,1-Dichloroet...	0.540	0.551	0.587	0.540	0.596	0.596	0.568	4.88
18)	T	2-Butanone	0.119	0.122	0.100	0.096	0.097	0.093	0.105	12.17
19)		Cyclohexane	0.498	0.509	0.525	0.482	0.526	0.544	0.514	4.32
20)		Methylcyclohexane	0.351	0.354	0.379	0.382	0.468	0.495	0.405	15.19
21)	T	2,2-Dichloropr...	0.419	0.427	0.423	0.403	0.436	0.428	0.423	2.71
22)	RT	cis-1,2-Dichlo...	0.313	0.312	0.331	0.296	0.333	0.328	0.319	4.59
23)	t	Diethyl Ether	0.230	0.214	0.235	0.210	0.241	0.249	0.230	6.73
24)	t	tert-Butyl Alc...	0.027	0.026	0.026	0.024	0.027	0.028	0.026	4.82
25)	t	Methyl tert-Bu...	0.654	0.677	0.703	0.638	0.727	0.736	0.689	5.73
26)	t	Bromochloromet...	0.136	0.126	0.132	0.119	0.130	0.127	0.128	4.68
27)	t	Chloroform	0.553	0.539	0.566	0.514	0.567	0.566	0.551	3.79
28)	RT	1,1,1-Trichlor...	0.427	0.436	0.476	0.430	0.477	0.478	0.454	5.53
29)	T	1,1-Dichloropr...	0.338	0.357	0.375	0.347	0.393	0.400	0.368	6.79
30)	RT	Carbon Tetrach...	0.339	0.363	0.379	0.346	0.389	0.394	0.368	6.16
31)	t	Isopropyl Ether	0.799	0.811	0.881	0.810	0.905	0.925	0.855	6.42
32)		Ethyl-t-butyl ...	0.716	0.763	0.833	0.769	0.859	0.865	0.801	7.57
33)		Tert-Amyl meth...	0.503	0.516	0.550	0.539	0.651	0.679	0.573	12.87
34)	t	Propionitrile	0.033	0.029	0.030	0.027	0.030	0.030	0.030	6.05
35)	RT	Benzene	1.027	1.086	1.161	1.095	1.237	1.257	1.144	7.92
36)	RT	1,2-Dichloroet...	0.334	0.314	0.339	0.306	0.346	0.344	0.330	5.04
37)	RT	Trichloroethene	0.290	0.256	0.283	0.260	0.298	0.306	0.282	7.25
38)	Rt	1,2-Dichloropr...	0.287	0.296	0.328	0.308	0.345	0.344	0.318	7.73
39)	t	Methacrylonitrile	0.131	0.107	0.115	0.102	0.115	0.115	0.114	8.53
40)	t	Methyl acrylate	0.191	0.187	0.186	0.173	0.195	0.197	0.188	4.46
41)	t	Tetrahydrofuran	0.060	0.059	0.063	0.054	0.060	0.059	0.059	4.93
42)	t	1-Chlorobutane	0.494	0.498	0.530	0.486	0.546	0.559	0.519	5.82
43)	T	Dibromomethane	0.154	0.146	0.159	0.150	0.168	0.169	0.158	6.10
44)	T	Bromodichlorom...	0.341	0.367	0.384	0.359	0.402	0.407	0.377	6.84
45)	T	4-Methyl-2-Pen...	0.134	0.133	0.149	0.154	0.187	0.195	0.159	16.70
46)	t	t-1,4-Dichloro...	0.054	0.063	0.063	0.063	0.074	0.080	0.066	14.07
47)	t	Methyl methacr...	0.115	0.109	0.130	0.135	0.166	0.171	0.138	18.78
48)	t	Ethyl methacry...	0.178	0.176	0.216	0.224	0.286	0.304	0.231	23.27
49)	Rt	Toluene	0.512	0.526	0.617	0.639	0.749	0.765	0.635	16.89
50)	T	t-1,3-Dichloro...	0.269	0.284	0.317	0.297	0.360	0.376	0.317	13.49
51)	T	cis-1,3-Dichlo...	0.323	0.344	0.384	0.359	0.421	0.438	0.378	11.85
52)	RT	1,1,2-Trichlor...	0.217	0.203	0.236	0.220	0.243	0.248	0.228	7.66
53)	t	1,3-Dichloropr...	0.328	0.340	0.379	0.360	0.416	0.423	0.374	10.46
54)	t	2-Hexanone	0.102	0.113	0.107	0.116	0.134	0.138	0.118	12.12
55)	t	Dibromochlorom...	0.228	0.235	0.252	0.238	0.270	0.277	0.250	7.97
56)	T	1,2-Dibromoethane	0.179	0.193	0.212	0.195	0.225	0.228	0.205	9.59
57)	S	4-Bromofluorob...	0.302	0.301	0.332	0.343	0.372	0.372	0.337	9.40

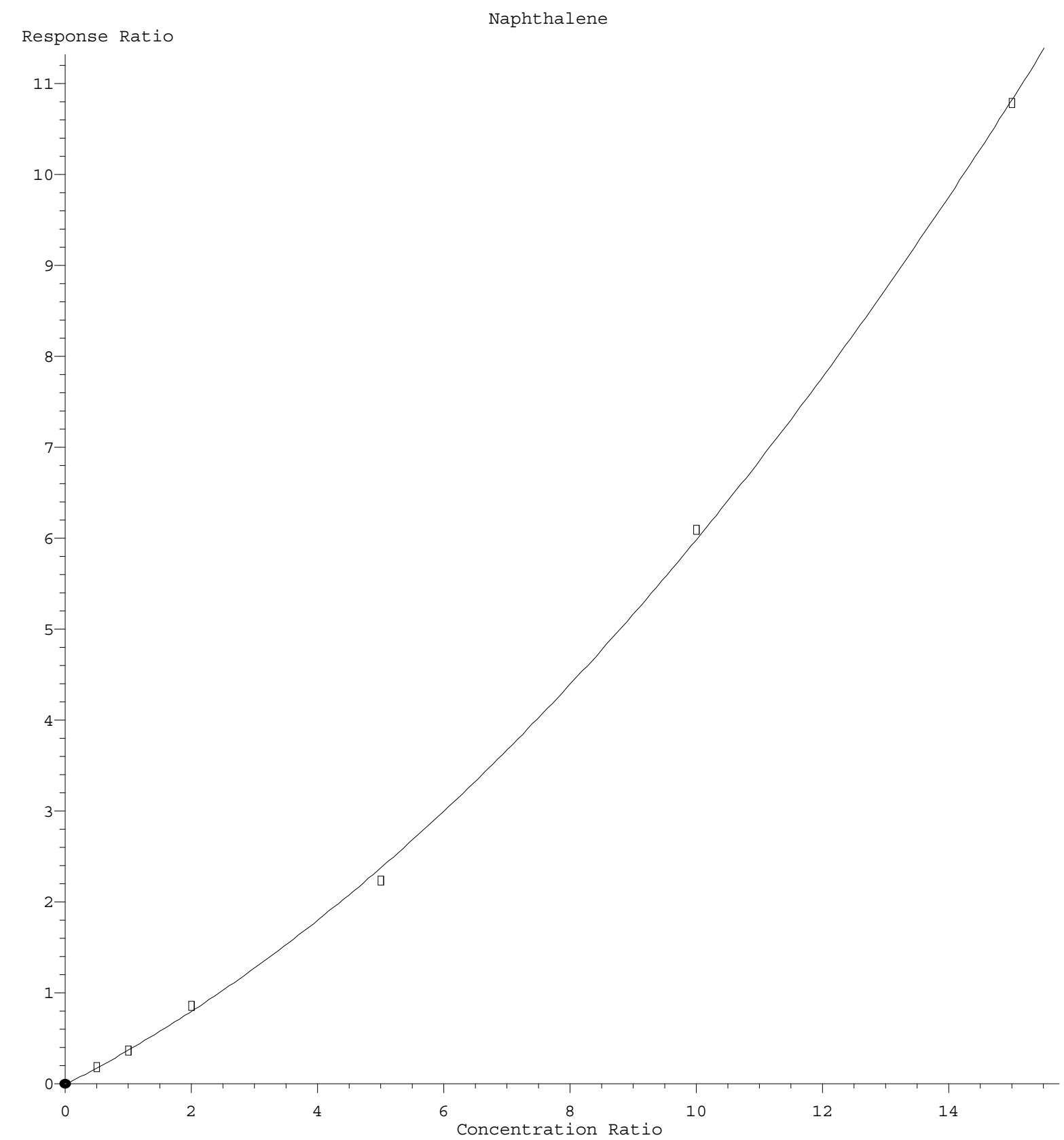
Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 524U073024DW.M

58)	RT	Tetrachloroethene	0.240	0.247	0.271	0.260	0.293	0.294	0.267	8.46
59)	Rt	Chlorobenzene	0.589	0.598	0.668	0.653	0.774	0.805	0.681	13.18
60)	T	1,1,1,2-Tetrac...	0.239	0.248	0.270	0.249	0.280	0.286	0.262	7.41
61)	t	Pentachloroethane	0.192	0.199	0.216	0.199	0.221	0.219	0.208	6.01
62)	t	Hexachloroethane	0.189	0.187	0.207	0.197	0.225	0.235	0.207	9.56
63)	Rt	Ethyl Benzene	0.803	0.870	0.992	1.083	1.363	1.440	1.092	23.79
64)	RT	m/p-Xylenes	0.305	0.323	0.397	0.449	0.547	0.562	0.431	25.35
65)	RT	o-Xylene	0.324	0.316	0.392	0.414	0.511	0.535	0.415	22.11
66)	RT	Styrene	0.450	0.515	0.618	0.703	0.881	0.911	0.680	27.74
67)	t	Bromoform	0.140	0.137	0.148	0.137	0.160	0.162	0.147	7.55
68)	S	1,2-Dichlorobe...	0.321	0.353	0.374	0.365	0.368	0.392	0.362	6.59
69)	T	Isopropylbenzene	0.746	0.835	0.993	1.066	1.310	1.390	1.057	24.14
70)	T	1,1,2,2-Tetrac...	0.270	0.287	0.314	0.290	0.334	0.335	0.305	8.76
71)	T	1,2,3-Trichlor...	0.195	0.218	0.223	0.205	0.245	0.249	0.223	9.61
72)	t	Bromobenzene	0.236	0.240	0.277	0.270	0.312	0.323	0.276	13.04
73)	t	n-propylbenzene	0.204	0.219	0.266	0.292	0.366	0.391	0.290	26.24
74)	t	2-Chlorotoluene	0.221	0.221	0.260	0.283	0.331	0.342	0.276	18.95
75)	t	1,3,5-Trimethy...	0.594	0.673	0.842	0.959	1.163	1.221	0.909	28.01
76)	t	4-Chlorotoluene	0.214	0.210	0.269	0.289	0.347	0.353	0.280	22.21
77)	t	tert-Butylbenzene	0.607	0.722	0.831	0.871	1.058	1.134	0.870	22.84
78)	t	1,2,4-Trimethy...	0.515	0.649	0.839	0.954	1.195	1.252	0.901	32.51
79)	t	sec-Butylbenzene	0.759	0.938	1.139	1.213	1.491	1.569	1.185	26.32
80)		Nitrobenzene	0.015	0.012	0.014	0.012	0.016	0.017	0.014	13.05
81)	t	p-Isopropyltol...	0.595	0.665	0.846	0.952	1.206	1.280	0.924	30.17
82)	t	1,3-Dichlorobe...	0.449	0.495	0.564	0.553	0.634	0.663	0.559	14.48
83)	Rt	1,4-Dichlorobe...	0.450	0.469	0.552	0.546	0.652	0.672	0.557	16.42
84)	t	n-Butylbenzene	0.568	0.647	0.756	0.831	1.089	1.186	0.846	28.96
85)	Rt	1,2-Dichlorobe...	0.444	0.469	0.549	0.533	0.620	0.644	0.543	14.63
86)	t	1,2-Dibromo-3-...	0.042	0.034	0.043	0.040	0.048	0.050	0.043	13.54
87)	Rt	1,2,4-Trichlor...	0.230	0.237	0.272	0.262	0.333	0.372	0.284	19.87
88)	t	Hexachlorobuta...	0.172	0.180	0.186	0.171	0.202	0.212	0.187	8.91
89)	t	Naphthalene	0.366	0.365	0.428	0.447	0.609	0.719	0.489	29.39
90)	t	1,2,3-Trichlor...	0.203	0.223	0.256	0.261	0.343	0.376	0.277	24.55

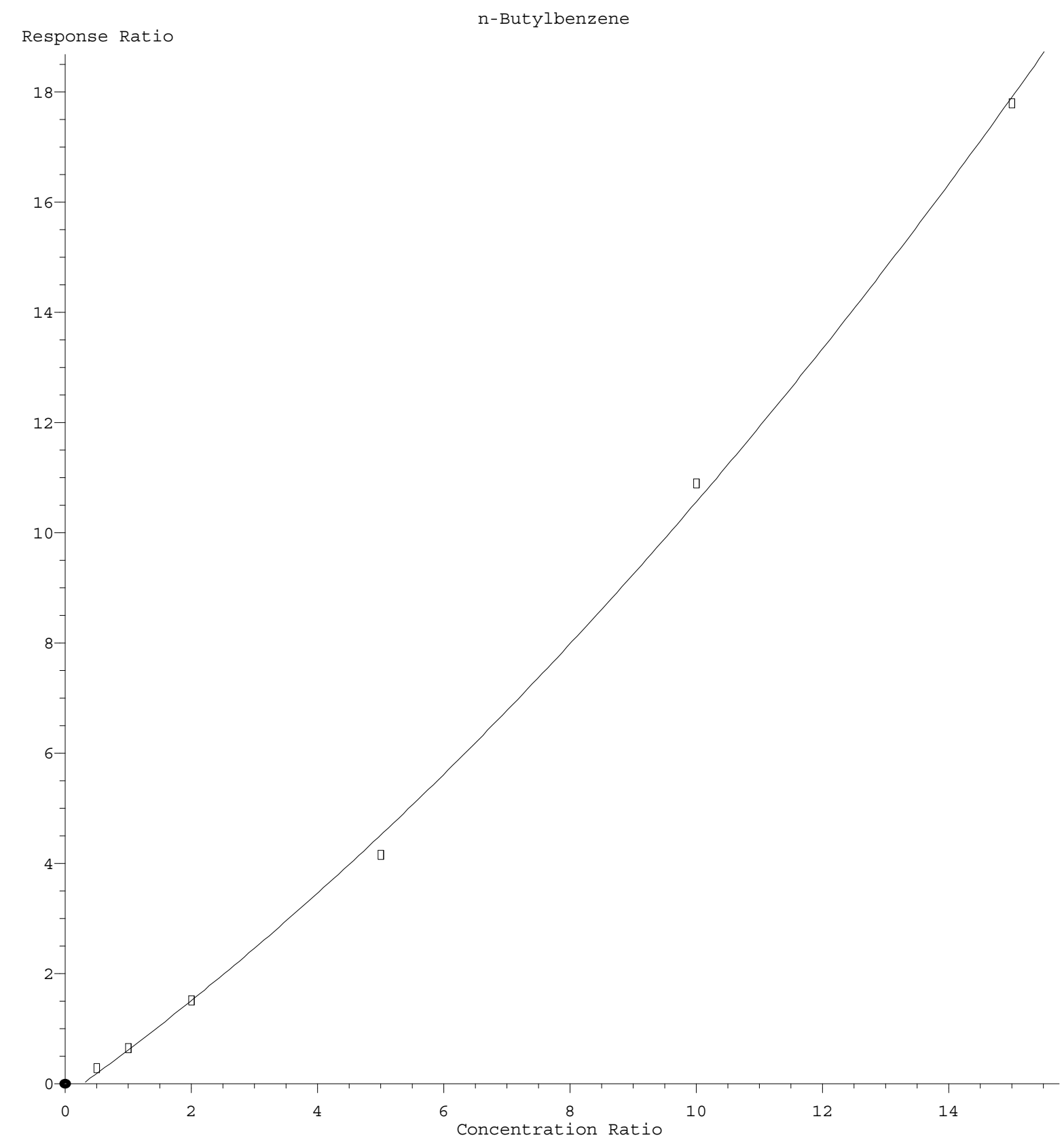
(#) = Out of Range



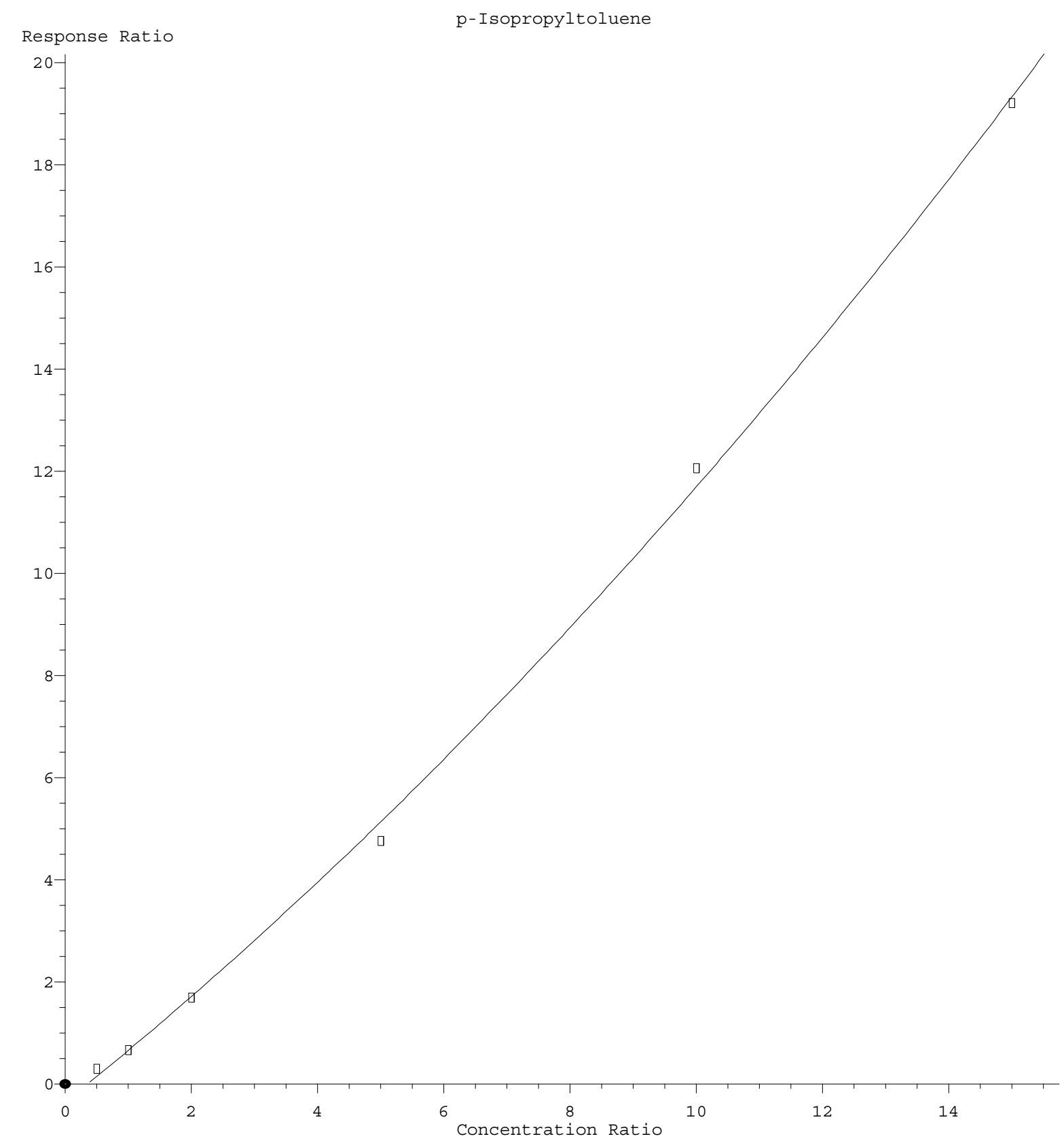
R = 8.733e-003 A*A + 2.498e-001 A - 4.417e-002
Coef of Det (r^2) = 0.998930 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



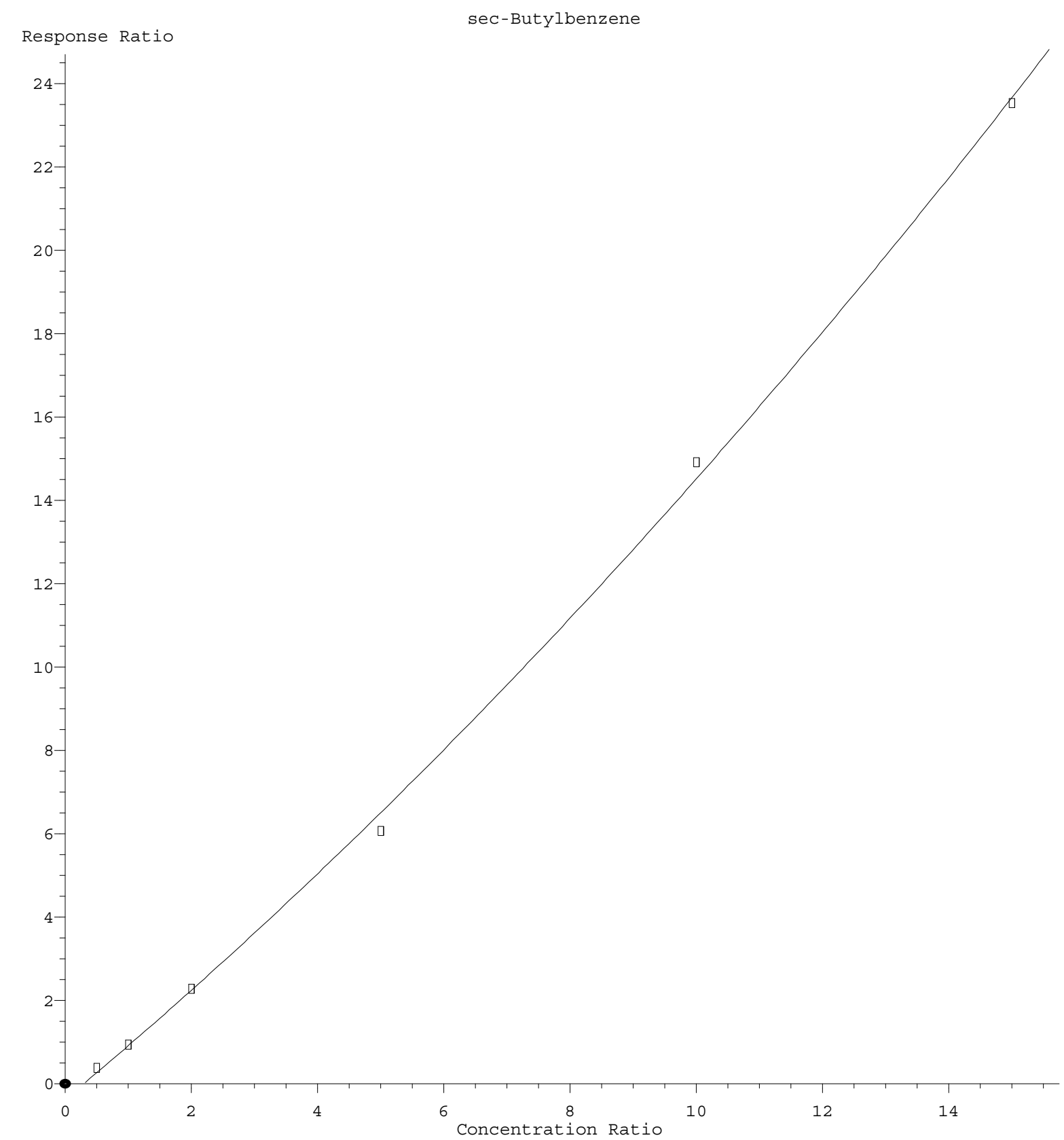
R = 2.453e-002 A*A + 3.540e-001 A - 9.375e-003
Coef of Det (r^2) = 0.999596 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



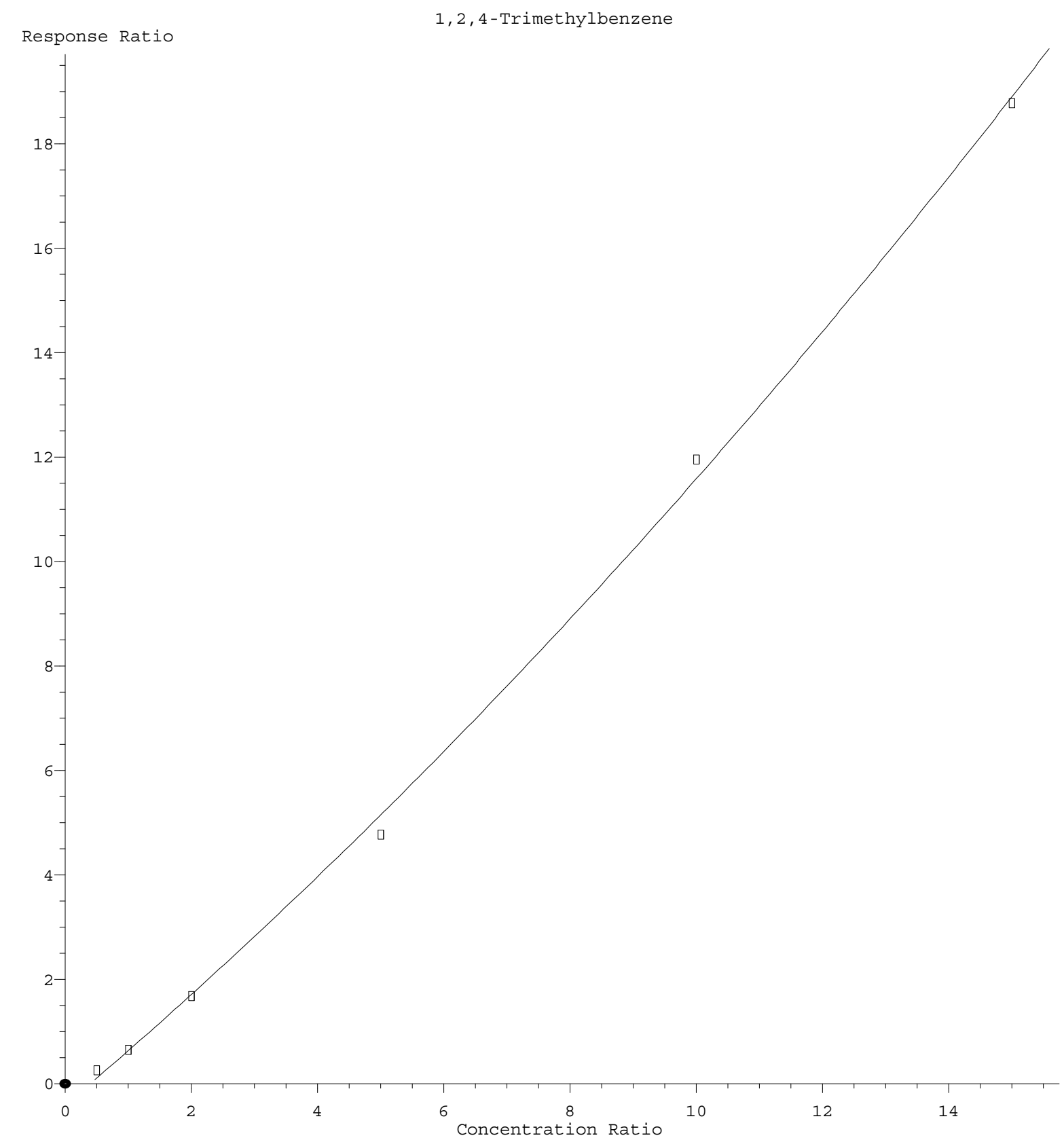
R = 2.598e-002 A*A + 8.192e-001 A - 2.313e-001
Coef of Det (r^2) = 0.998933 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



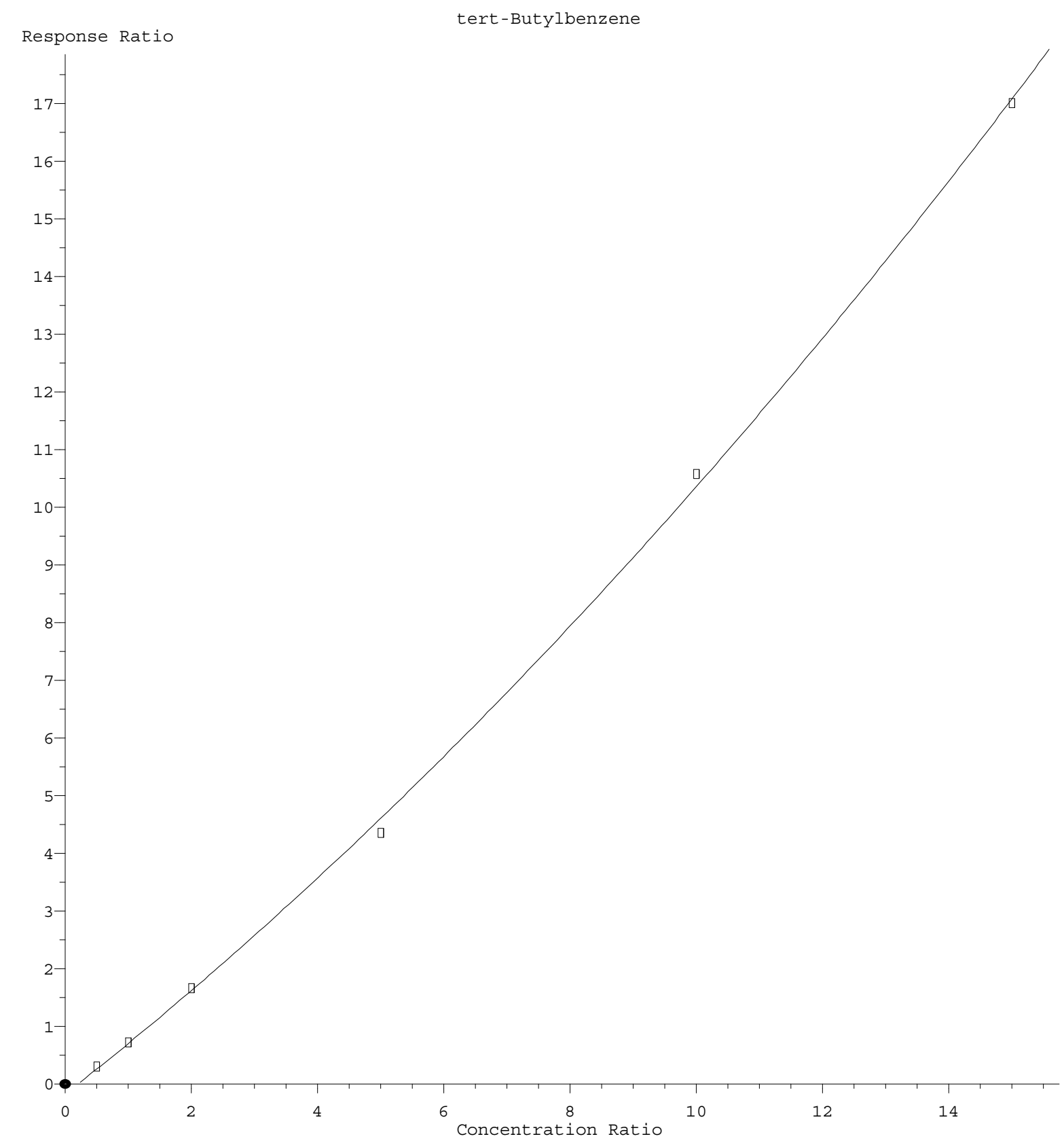
R = 2.147e-002 A*A + 9.898e-001 A - 3.515e-001
Coef of Det (r^2) = 0.998931 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



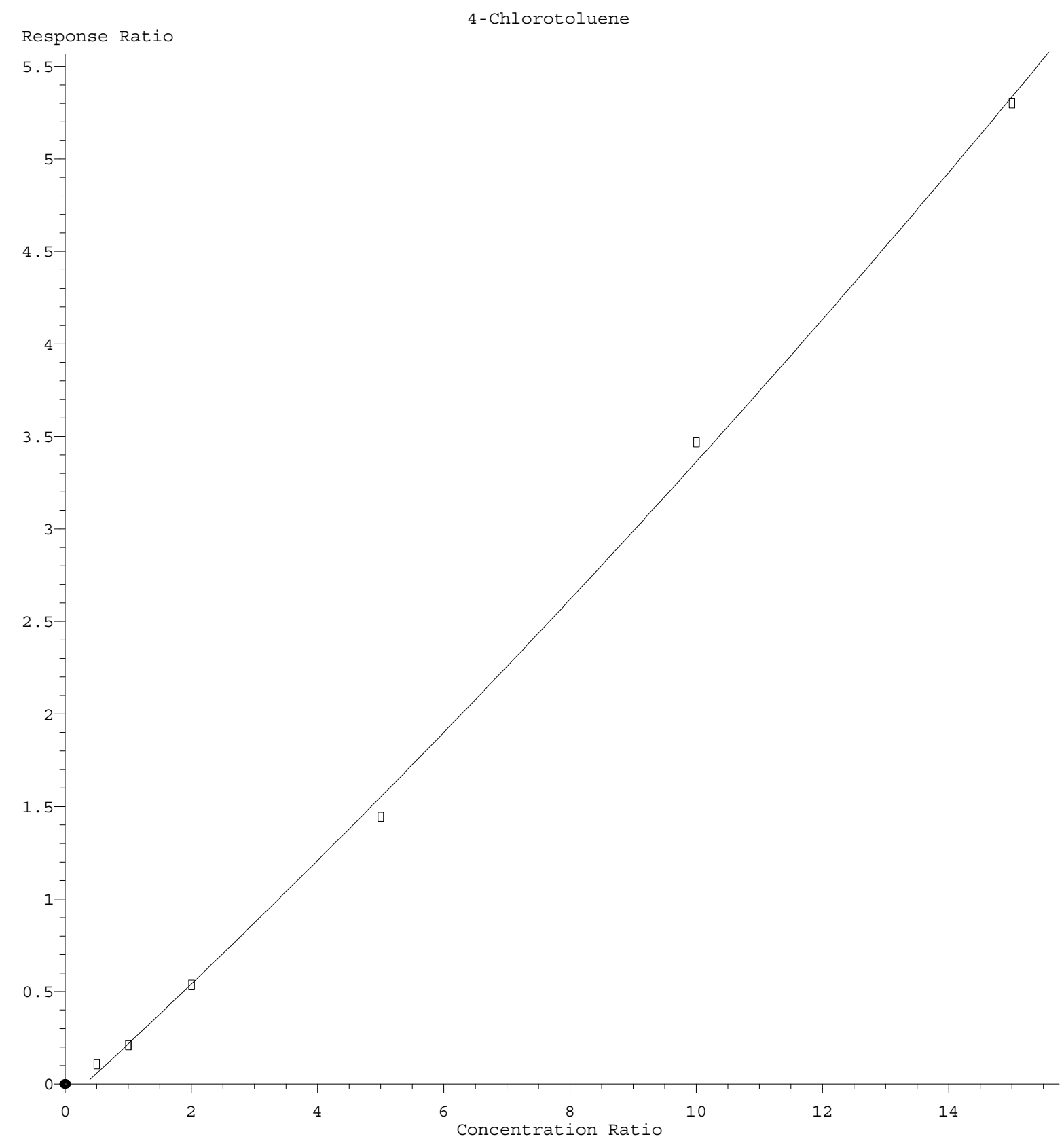
R = 2.271e-002 A*A + 1.261e+000 A - 3.692e-001
Coef of Det (r^2) = 0.999118 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



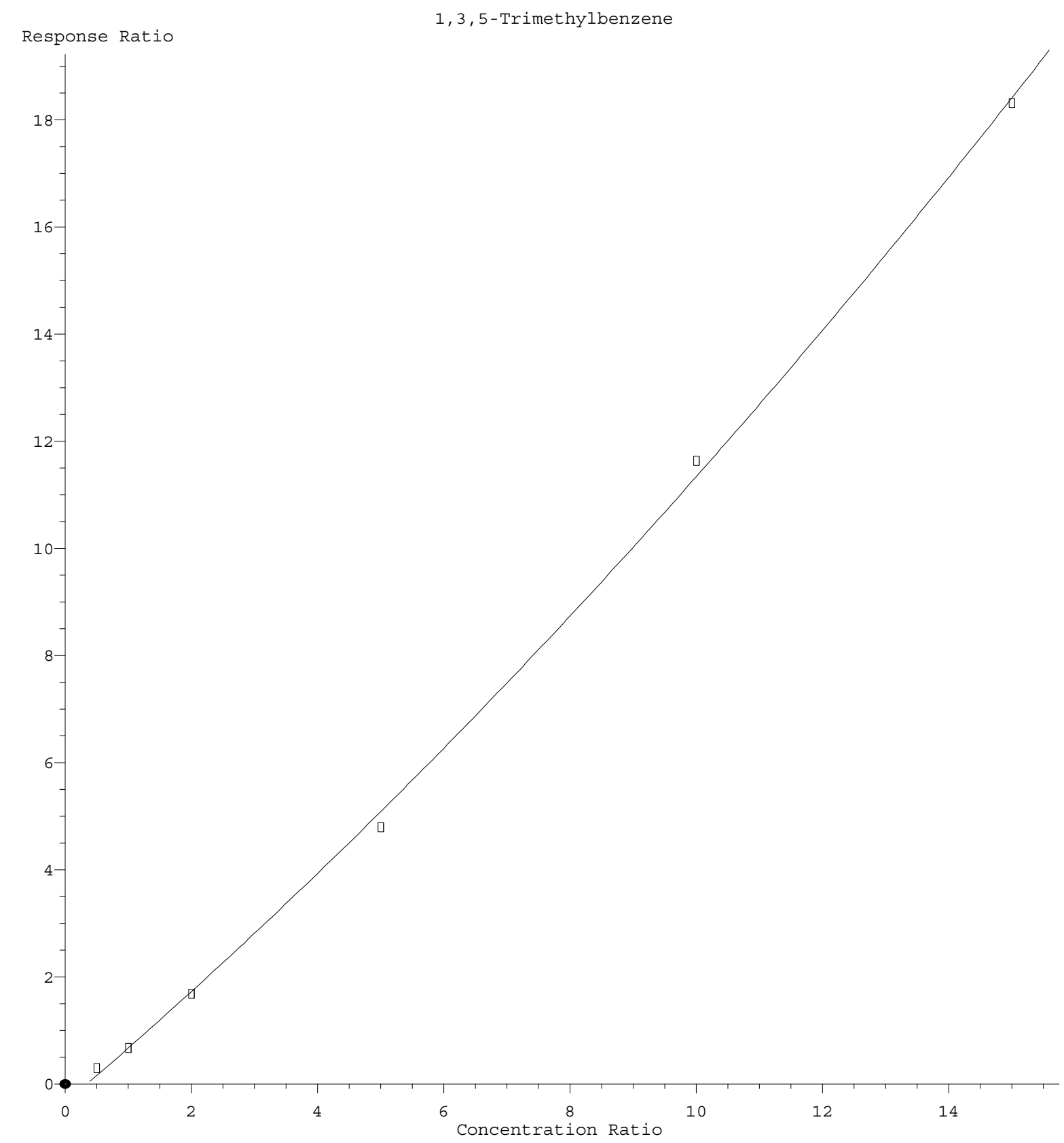
R = 1.759e-002 A*A + 1.023e+000 A - 4.063e-001
Coef of Det (r^2) = 0.998865 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



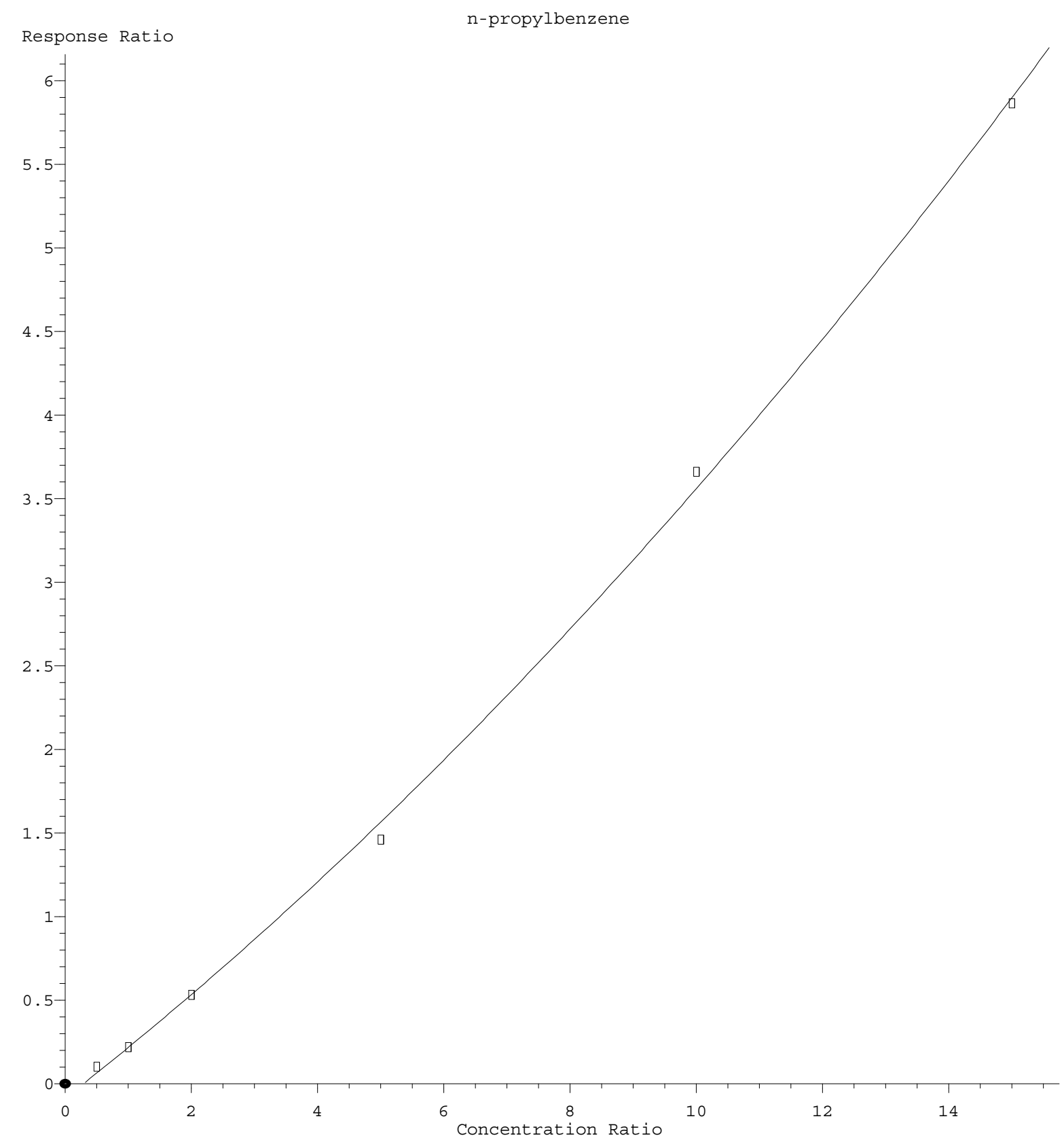
R = 1.937e-002 A*A + 8.596e-001 A - 1.754e-001
Coef of Det (r^2) = 0.999460 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



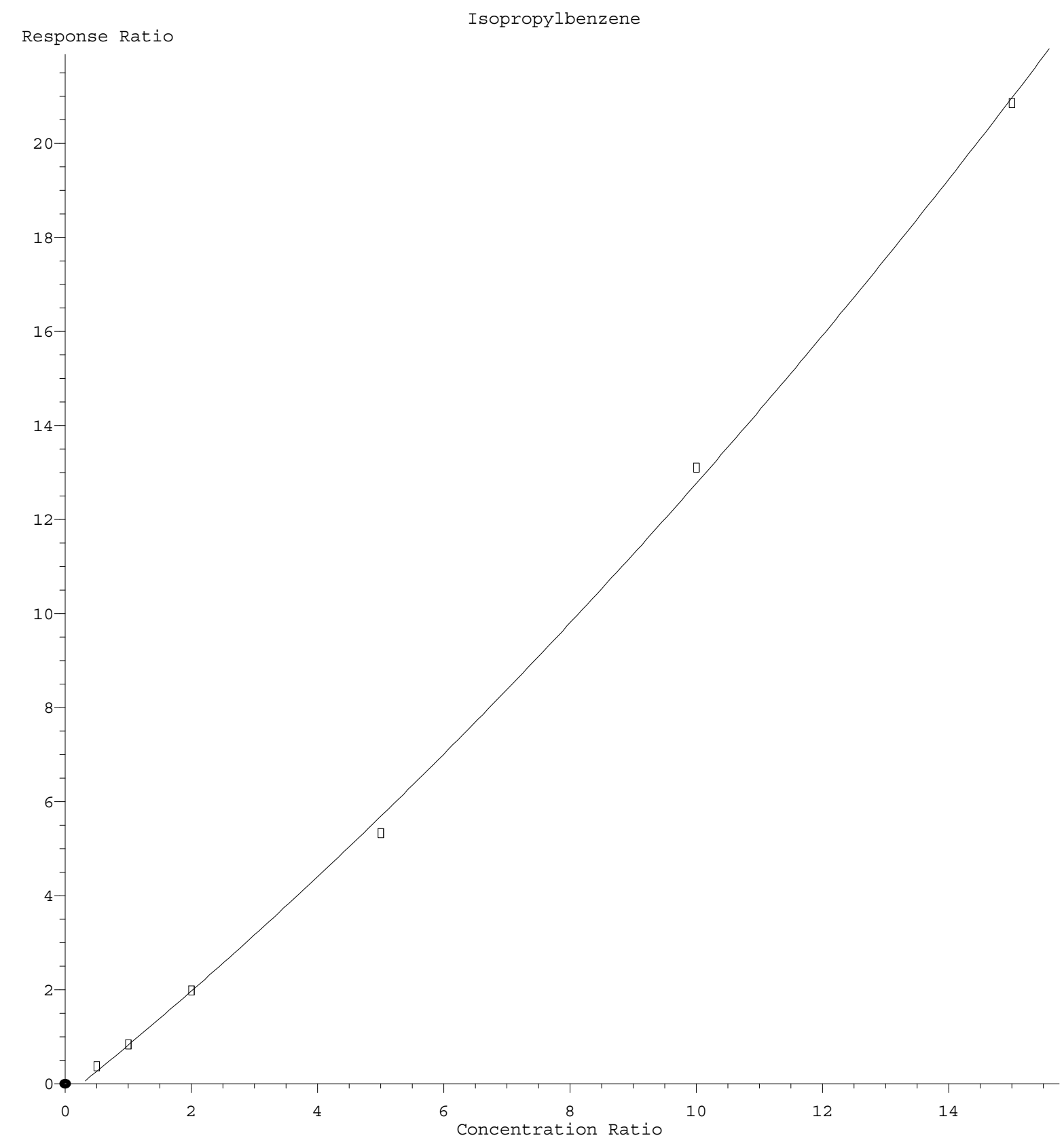
R = 3.190e-003 A*A + 3.145e-001 A - 1.004e-001
Coef of Det (r^2) = 0.998806 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



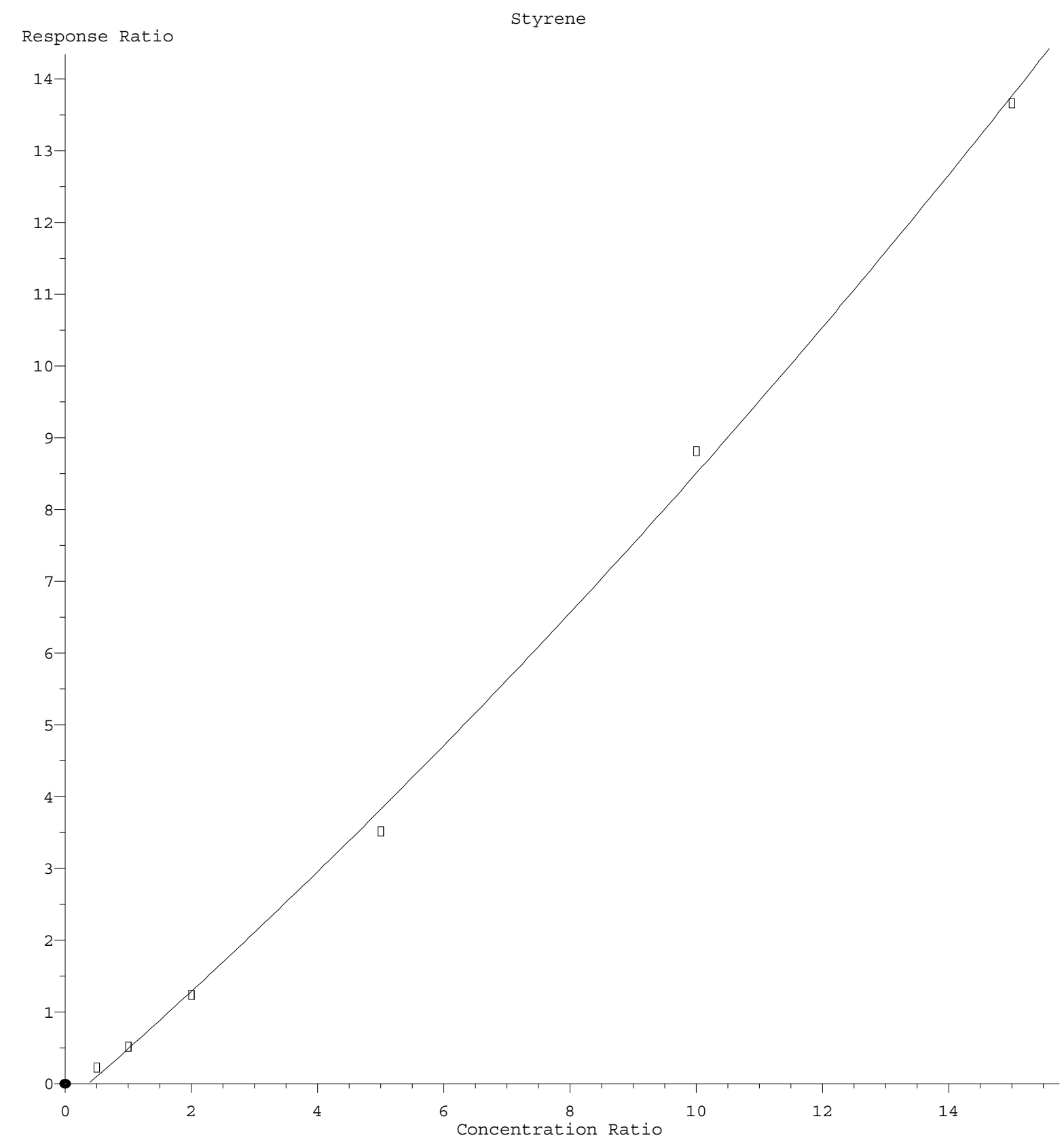
R = 1.636e-002 A*A + 1.005e+000 A - 3.485e-001
Coef of Det (r^2) = 0.999232 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



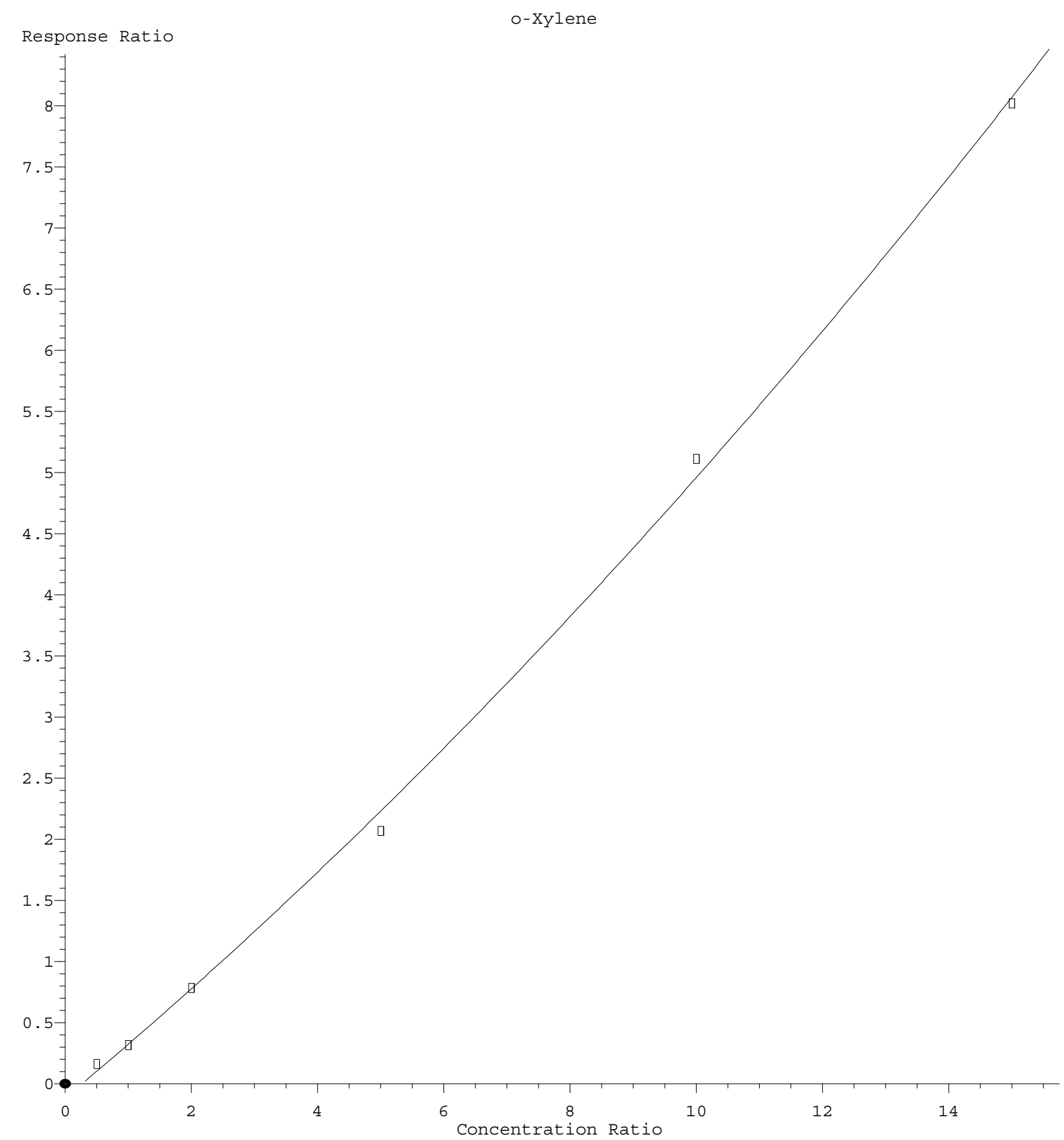
R = 6.867e-003 A*A + 2.959e-001 A - 8.539e-002
Coef of Det (r^2) = 0.999121 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



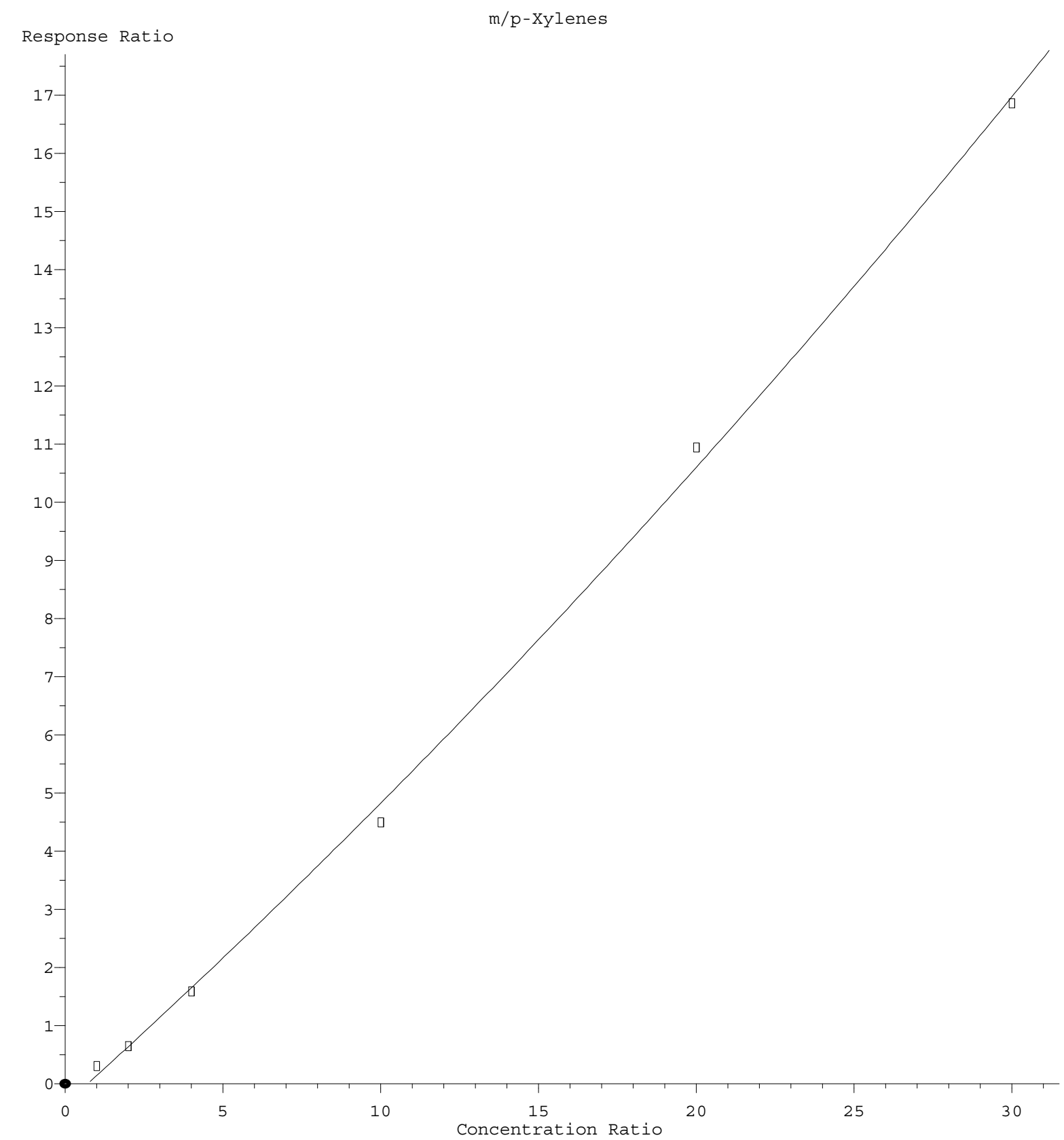
R = 2.224e-002 A*A + 1.083e+000 A - 2.823e-001
Coef of Det (r^2) = 0.999229 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



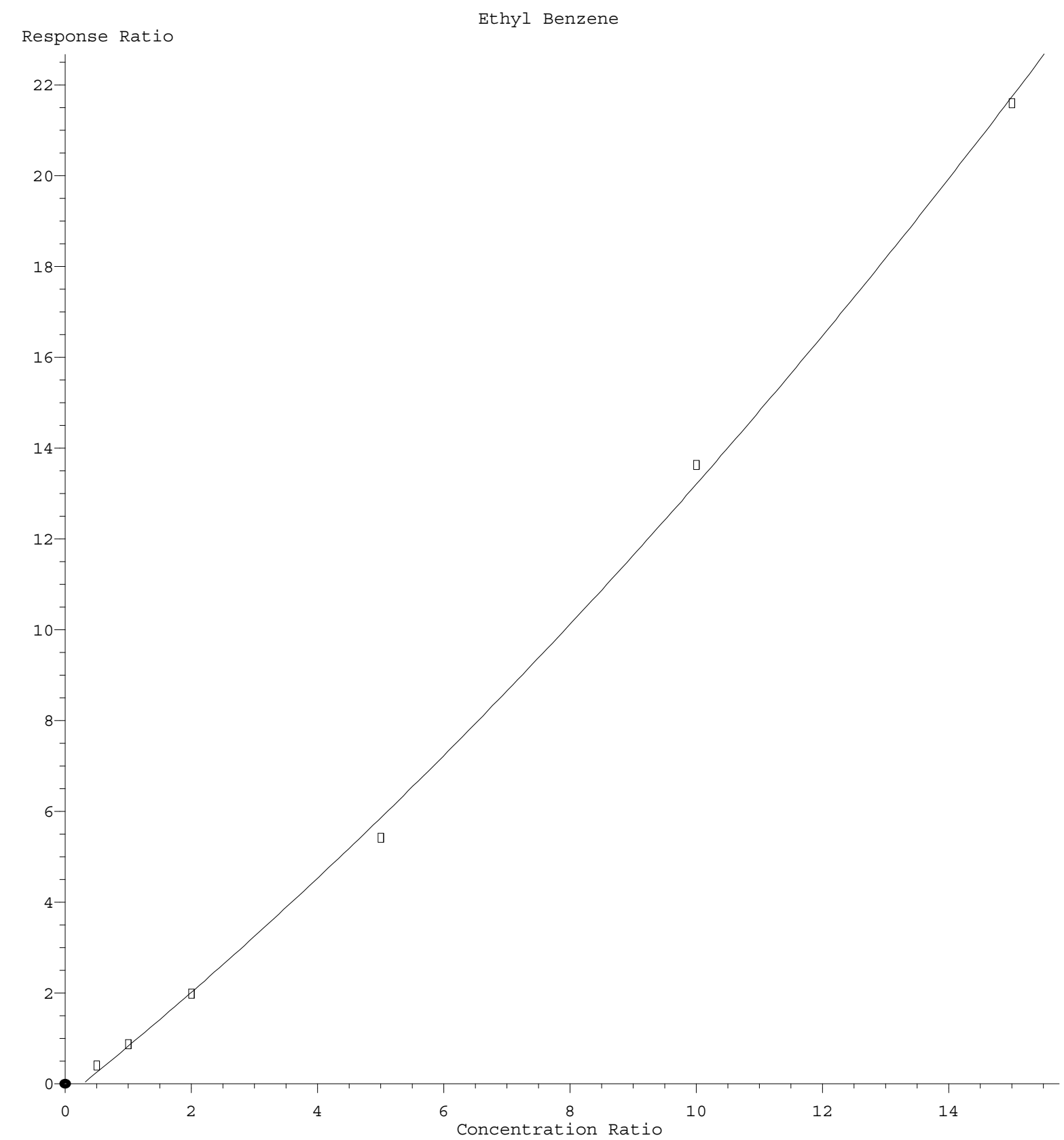
R = 1.147e-002 A*A + 7.646e-001 A - 2.867e-001
Coef of Det (r^2) = 0.998523 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



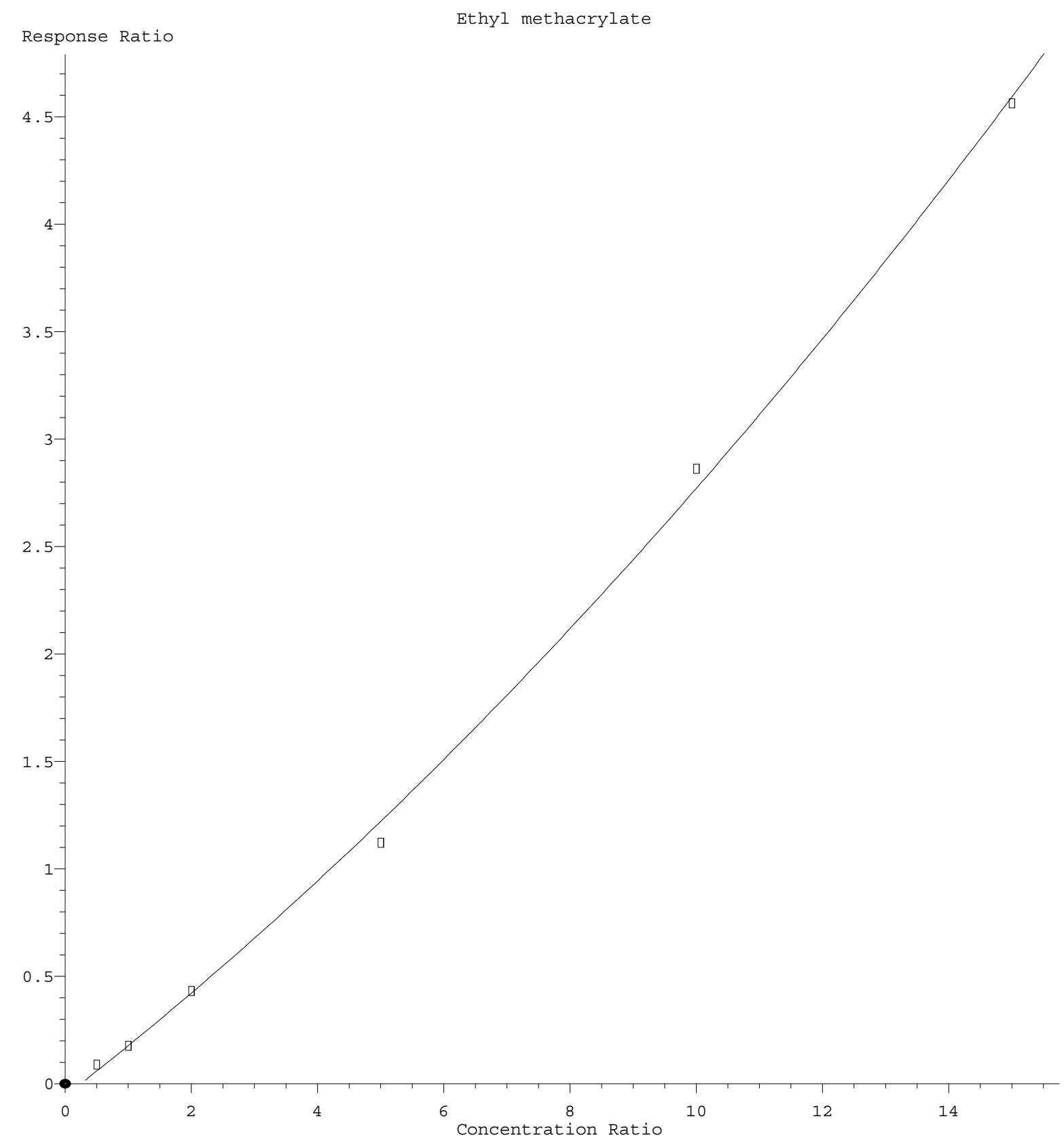
R = 7.635e-003 A*A + 4.311e-001 A - 1.156e-001
Coef of Det (r^2) = 0.998890 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



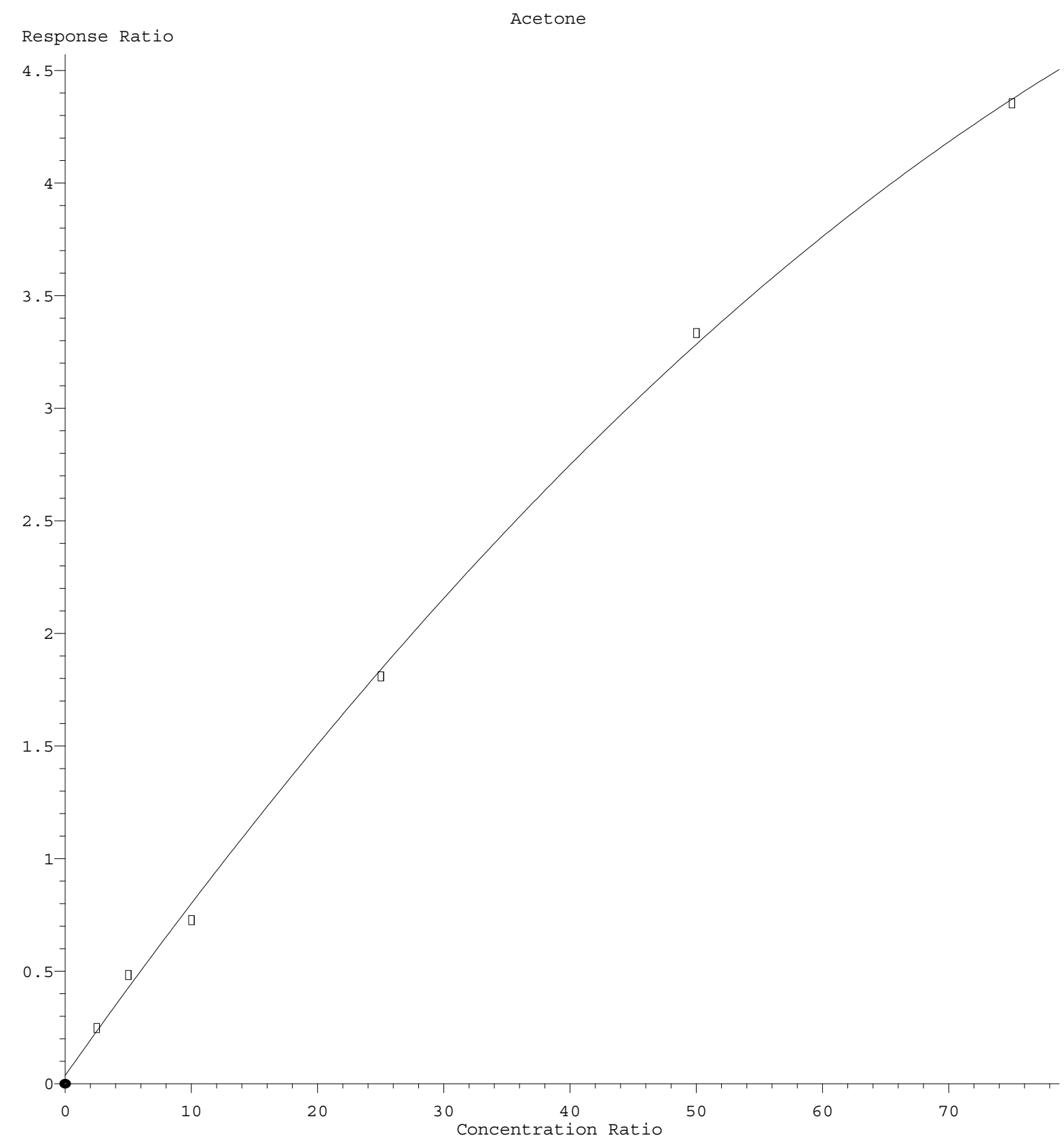
R = 2.997e-003 A*A + 4.874e-001 A - 3.474e-001
Coef of Det (r^2) = 0.998801 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



R = 2.364e-002 A*A + 1.115e+000 A - 3.088e-001
Coef of Det (r^2) = 0.998856 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



R = 5.432e-003 A*A + 2.284e-001 A - 5.638e-002
Coef of Det (r^2) = 0.998757 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024



R = -2.855e-004 A*A + 7.921e-002 A + 3.707e-002
Coef of Det (r^2) = 0.999109 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U073024DW.M
Calibration Table Last Updated: Wed Jul 31 04:49:33 2024