Response Factor Report MSVOA_U

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 524U032923DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Thu Mar 30 13:33:10 2023
Response Via : Initial Calibration

Calibration Files
0.5 =VU053463.D 1 =VU053464.D 2 =VU053465.D 5 =VU053466.D 10 =VU053467.D 15 =VU053468.D

		Compound	0.5	1	2	5	10	15	Avg	%RSD
1)	i	Fluorobenzene	----------	ISTD	----------					
2)	T	Dichlorodifluo...	0.357	0.325	0.351	0.369	0.388	0.379	0.361	6.25
3)	t	Chloromethane	0.412	0.359	0.365	0.355	0.369	0.350	0.368	6.05
4)	Rt	Vinyl Chloride	0.423	0.348	0.373	0.388	0.415	0.387	0.389	7.08
5)	T	Bromomethane	0.475	0.321	0.314	0.298	0.296	0.274	0.330	22.23
6)	T	Chloroethane	0.266	0.203	0.223	0.247	0.245	0.309	0.249	14.78
7)	T	Trichlorofluor...	0.611	0.496	0.532	0.553	0.597	0.708	0.583	12.77
8)		1,1,2-Trichlor...	0.356	0.236	0.274	0.288	0.291	0.287	0.289	13.39
9)	Rt	1,1-Dichloroet...	0.351	0.220	0.233	0.249	0.267	0.265	0.264	17.51
10)	t	Iodomethane		0.163	0.231	0.295	0.323	0.329	0.268	26.32
11)	t	Allyl Chloride	0.283	0.249	0.314	0.305	0.327	0.312	0.298	9.39
12)	t	Acrylonitrile	0.052	0.047	0.049	0.051	0.054	0.054	0.051	5.23
13)	T	Acetone	0.129	0.097	0.095	0.099	0.099	0.086	0.101	14.54
14)	T	Carbon Disulfide	0.969	0.675	0.755	0.781	0.855	0.825	0.810	12.29
15)	RT	Methylene Chlo...	1.268	0.785	0.569	0.422	0.359	0.340	0.624	57.15
16)	RT	trans-1,2-Dich...	0.277	0.237	0.263	0.280	0.290	0.292	0.273	7.48
17)	t	1,1-Dichloroet...	0.488	0.444	0.497	0.495	0.542	0.523	0.498	6.67
18)	T	2-Butanone	0.099	0.096	0.098	0.110	0.112	0.100	0.102	6.54
19)		Cyclohexane	0.406	0.376	0.396	0.417	0.442	0.424	0.410	5.55
20)		Methylcyclohexane	0.473	0.468	0.487	0.526	0.569	0.552	0.512	8.32
21)	T	2,2-Dichloropr...	0.390	0.380	0.424	0.441	0.474	0.450	0.426	8.39
22)	RT	cis-1,2-Dichlo...	0.306	0.275	0.273	0.288	0.326	0.312	0.297	7.22
23)	t	Diethyl Ether	0.239	0.195	0.199	0.207	0.217	0.202	0.210	7.83
24)	t	tert-Butyl Alc...		0.017	0.018	0.019	0.021	0.020	0.019	6.80
25)	t	Methyl tert-Bu...	0.549	0.520	0.569	0.607	0.640	0.628	0.586	8.05
26)	t	Bromochloromet...	0.118	0.100	0.118	0.124	0.129	0.128	0.120	8.98
27)	t	Chloroform	0.484	0.458	0.531	0.538	0.558	0.534	0.517	7.31
28)	RT	1,1,1-Trichlor...	0.403	0.415	0.433	0.452	0.494	0.479	0.446	7.99
29)	T	1,1-Dichloropr...	0.377	0.337	0.382	0.385	0.424	0.410	0.386	7.79
30)	RT	Carbon Tetrach...	0.314	0.312	0.340	0.369	0.406	0.388	0.355	11.01
31)	t	Isopropyl Ether	0.664	0.588	0.676	0.715	0.752	0.717	0.685	8.34
32)		Ethyl-t-butyl ...	0.640	0.610	0.709	0.716	0.773	0.776	0.704	9.64
33)		Tert-Amyl meth...	0.541	0.558	0.606	0.648	0.695	0.708	0.626	11.14
34)	t	Propionitrile	0.012	0.017	0.016	0.019	0.021	0.019	0.017	19.33
35)	RT	Benzene	1.094	0.993	1.116	1.139	1.234	1.195	1.129	7.47
36)	RT	1,2-Dichloroet...	0.331	0.298	0.324	0.322	0.343	0.328	0.324	4.65
37)	RT	Trichloroethene	0.262	0.254	0.273	0.285	0.319	0.309	0.284	9.16
38)	Rt	1,2-Dichloropr...	0.264	0.272	0.284	0.298	0.318	0.300	0.289	6.95
39)	t	Methacrylonitrile	0.065	0.068	0.071	0.071	0.076	0.073	0.070	5.44
40)	t	Methyl acrylate	0.133	0.117	0.125	0.131	0.127	0.134	0.128	4.93
41)	t	Tetrahydrofuran	0.033	0.030	0.038	0.040	0.041	0.038	0.037	11.45
42)	t	1-Chlorobutane	0.514	0.446	0.500	0.535	0.557	0.527	0.513	7.43
43)	T	Dibromomethane	0.121	0.123	0.141	0.139	0.154	0.149	0.138	9.91
44)	T	Bromodichlorom...	0.304	0.305	0.326	0.364	0.393	0.375	0.345	11.04
45)	T	4-Methyl-2-Pen...	0.123	0.132	0.140	0.149	0.159	0.154	0.143	9.62
46)	t	t-1,4-Dichloro...	0.065	0.061	0.070	0.080	0.094	0.100	0.078	20.46
47)	t	Methyl methacr...	0.119	0.112	0.123	0.129	0.139	0.139	0.127	8.66
48)	t	Ethyl methacry...	0.202	0.221	0.243	0.248	0.282	0.278	0.246	12.75
49)	Rt	Toluene	0.648	0.595	0.675	0.714	0.771	0.748	0.692	9.49
50)	T	t-1,3-Dichloro...	0.263	0.260	0.302	0.340	0.376	0.374	0.319	16.27
51)	T	cis-1,3-Dichlo...	0.351	0.336	0.377	0.405	0.457	0.447	0.395	12.58
52)	RT	1,1,2-Trichlor...	0.194	0.176	0.186	0.210	0.218	0.215	0.200	8.57
53)	t	1,3-Dichloropr...	0.318	0.292	0.339	0.364	0.382	0.373	0.345	10.15
54)	t	2-Hexanone	0.143	0.137	0.142	0.163	0.163	0.151	0.150	7.60
55)	t	Dibromochlorom...	0.175	0.163	0.188	0.213	0.241	0.239	0.203	16.24
56)	T	1,2-Dibromoethane	0.165	0.175	0.167	0.187	0.206	0.203	0.184	9.62
57)	S	4-Bromofluorob...	0.345	0.328	0.352	0.380	0.383	0.379	0.361	6.35

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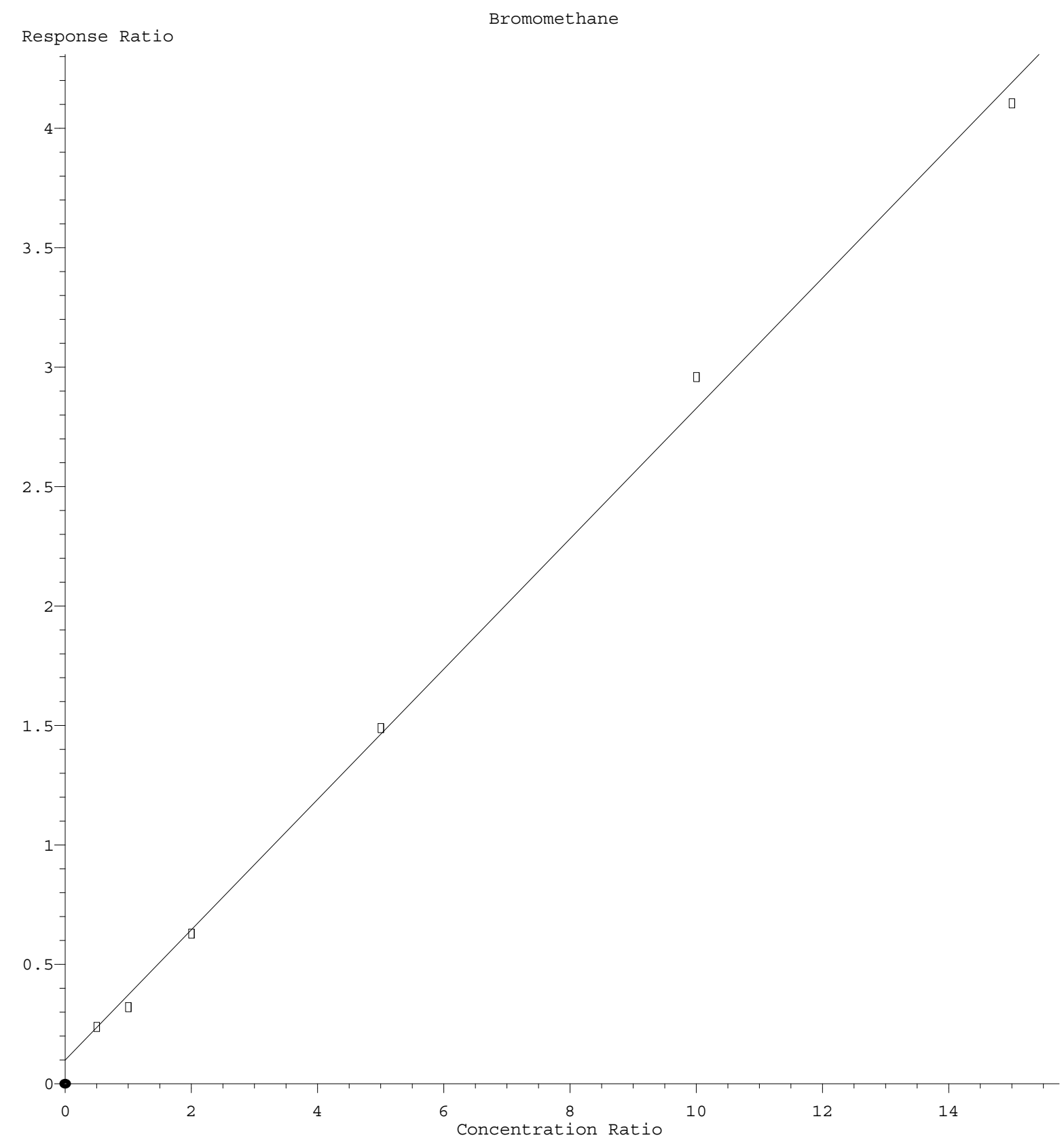
58)	RT	Tetrachloroethene	0.236	0.236	0.248	0.271	0.306	0.295	0.265	11.45
59)	Rt	Chlorobenzene	0.696	0.685	0.723	0.783	0.854	0.828	0.762	9.28
60)	T	1,1,1,2-Tetrac...	0.185	0.192	0.235	0.245	0.270	0.261	0.231	15.31
61)	t	Pentachloroethane	0.155	0.140	0.154	0.172	0.175	0.180	0.163	9.34
62)	t	Hexachloroethane	0.150	0.140	0.165	0.192	0.235	0.241	0.187	23.01
63)	Rt	Ethyl Benzene	1.248	1.099	1.279	1.363	1.526	1.500	1.336	12.10
64)	RT	m/p-Xylenes	0.464	0.413	0.483	0.534	0.592	0.577	0.511	13.56
65)	RT	o-Xylene	0.445	0.428	0.476	0.511	0.573	0.565	0.500	12.15
66)	RT	Styrene	0.623	0.634	0.702	0.809	0.926	0.915	0.768	17.62
67)	t	Bromoform	0.084	0.069	0.088	0.099	0.117	0.118	0.096	20.04
68)	S	1,2-Dichlorobe...	0.325	0.348	0.359	0.356	0.385	0.400	0.362	7.35
69)	T	Isopropylbenzene	1.193	1.078	1.240	1.338	1.516	1.487	1.309	13.11
70)	T	1,1,2,2-Tetrac...	0.214	0.218	0.232	0.246	0.267	0.267	0.240	9.68
71)	T	1,2,3-Trichlor...	0.175	0.131	0.186	0.201	0.169	0.227	0.182	17.76
72)	t	Bromobenzene	0.236	0.241	0.258	0.285	0.310	0.315	0.274	12.54
73)	t	n-propylbenzene	0.291	0.277	0.312	0.371	0.412	0.411	0.346	17.45
74)	t	2-Chlorotoluene	0.285	0.252	0.271	0.307	0.341	0.338	0.299	12.16
75)	t	1,3,5-Trimethy...	0.951	0.903	1.012	1.147	1.289	1.292	1.099	15.42
76)	t	4-Chlorotoluene	0.271	0.265	0.291	0.321	0.354	0.360	0.310	13.25
77)	t	tert-Butylbenzene	0.859	0.885	0.942	1.061	1.173	1.191	1.019	14.21
78)	t	1,2,4-Trimethy...	0.978	0.901	1.037	1.170	1.320	1.309	1.119	15.65
79)	t	sec-Butylbenzene	1.268	1.198	1.382	1.523	1.733	1.697	1.467	15.12
80)		Nitrobenzene		0.005	0.005	0.006	0.008	0.008	0.006	25.36
81)	t	p-Isopropyltol...	0.950	0.931	1.055	1.233	1.382	1.363	1.152	17.49
82)	t	1,3-Dichlorobe...	0.525	0.481	0.563	0.603	0.668	0.665	0.584	12.94
83)	Rt	1,4-Dichlorobe...	0.573	0.485	0.549	0.606	0.667	0.668	0.591	12.01
84)	t	n-Butylbenzene	0.898	0.878	1.070	1.223	1.395	1.366	1.139	19.83
85)	Rt	1,2-Dichlorobe...	0.528	0.465	0.511	0.569	0.624	0.625	0.554	11.58
86)	t	1,2-Dibromo-3-...	0.037	0.027	0.033	0.038	0.042	0.042	0.037	15.90
87)	Rt	1,2,4-Trichlor...	0.307	0.252	0.291	0.326	0.385	0.376	0.323	15.77
88)	t	Hexachlorobuta...	0.121	0.129	0.155	0.165	0.182	0.174	0.154	15.88
89)	t	Naphthalene		0.489	0.556	0.652	0.777	0.775	0.650	19.82
90)	t	1,2,3-Trichlor...	0.223	0.220	0.257	0.296	0.338	0.335	0.278	19.07

(#) = Out of Range



Response = 2.730e-001 * Amt + 9.886e-002
Coef of Det (r^2) = 0.997754 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U032923DW.M
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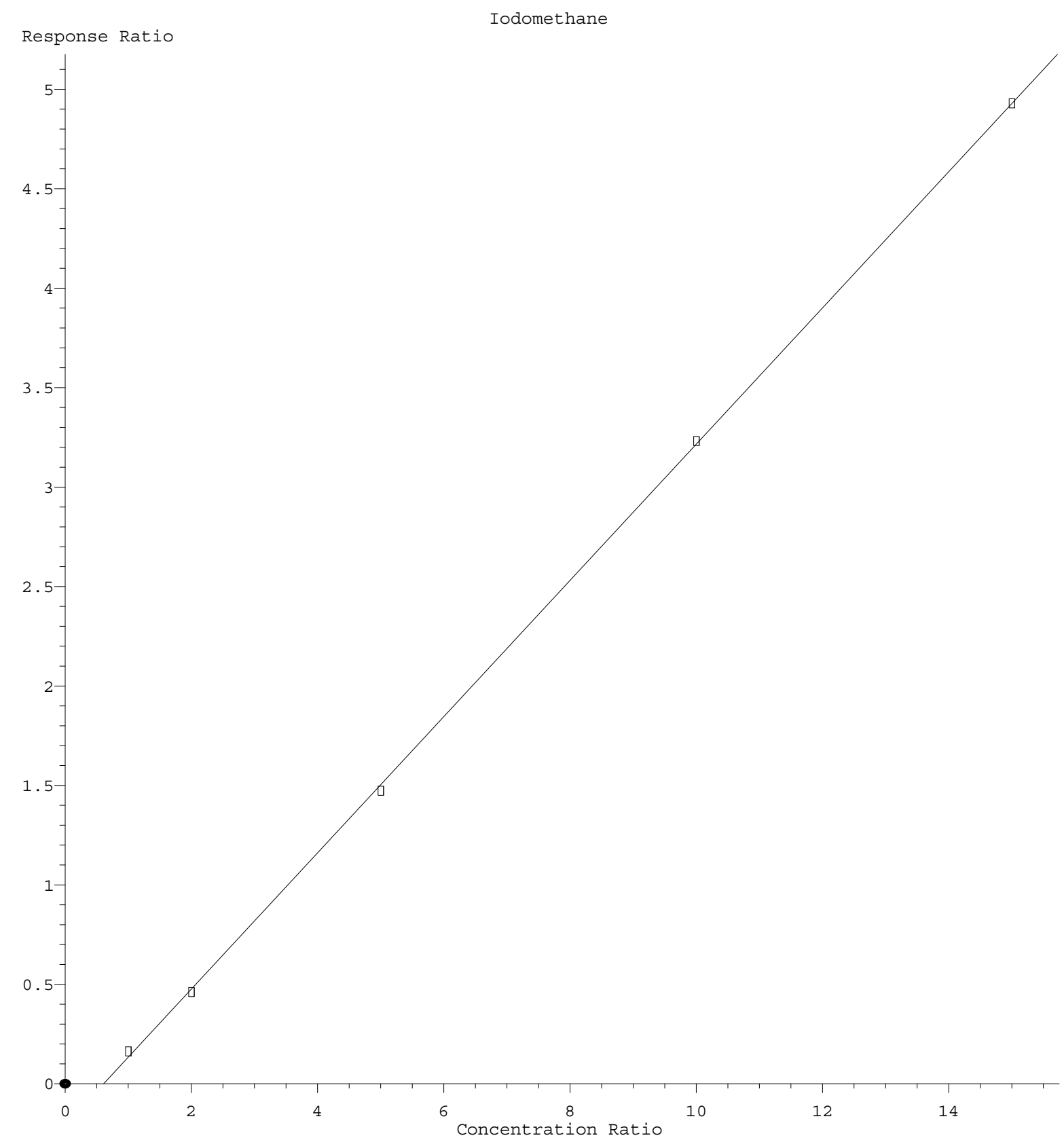

Response = 3.426e-001 * Amt - 2.096e-001
Coef of Det (r^2) = 0.999861 Curve Fit: Linear
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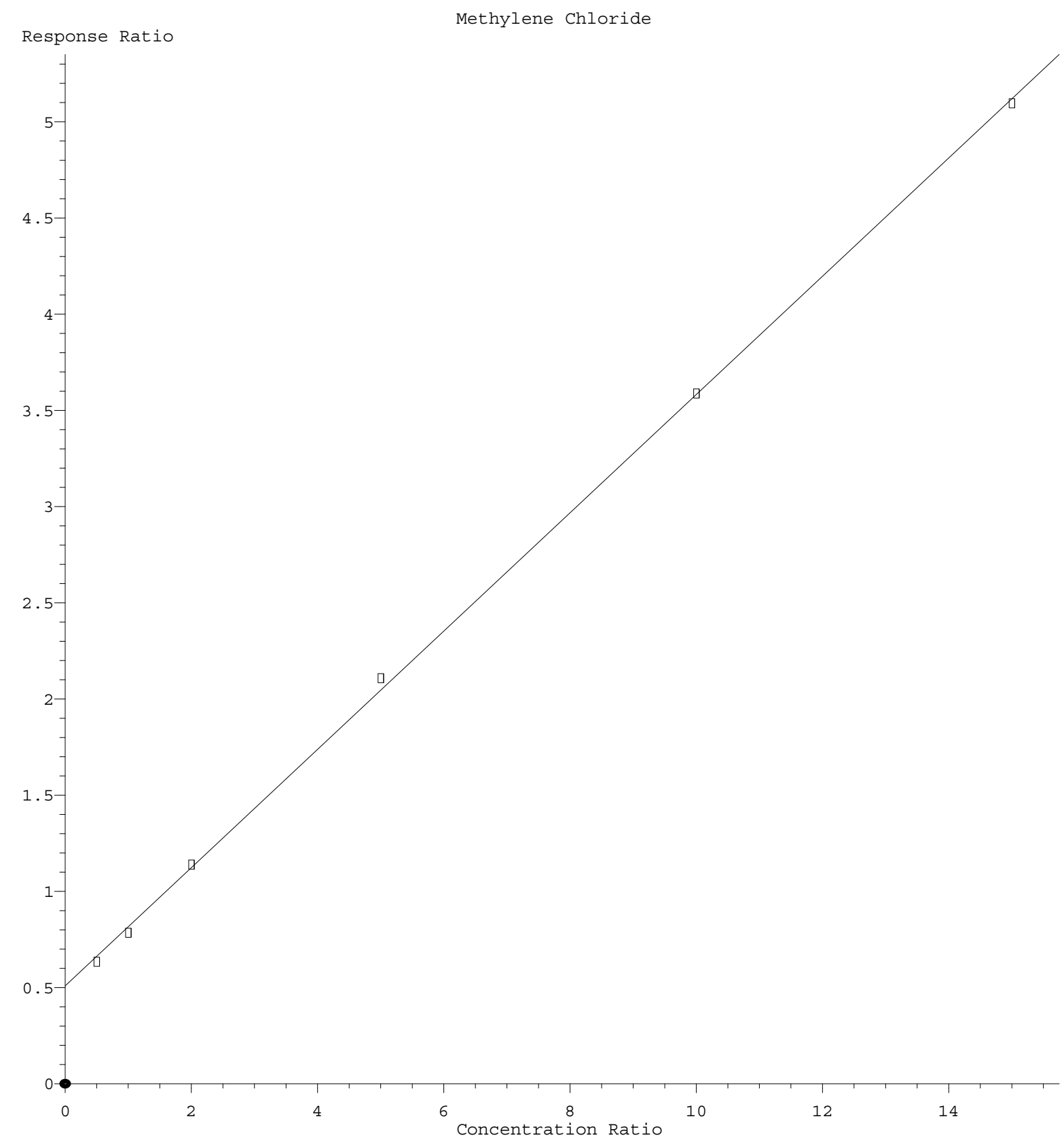

Response = 3.074e-001 * Amt + 5.086e-001
Coef of Det (r^2) = 0.999592 Curve Fit: Linear
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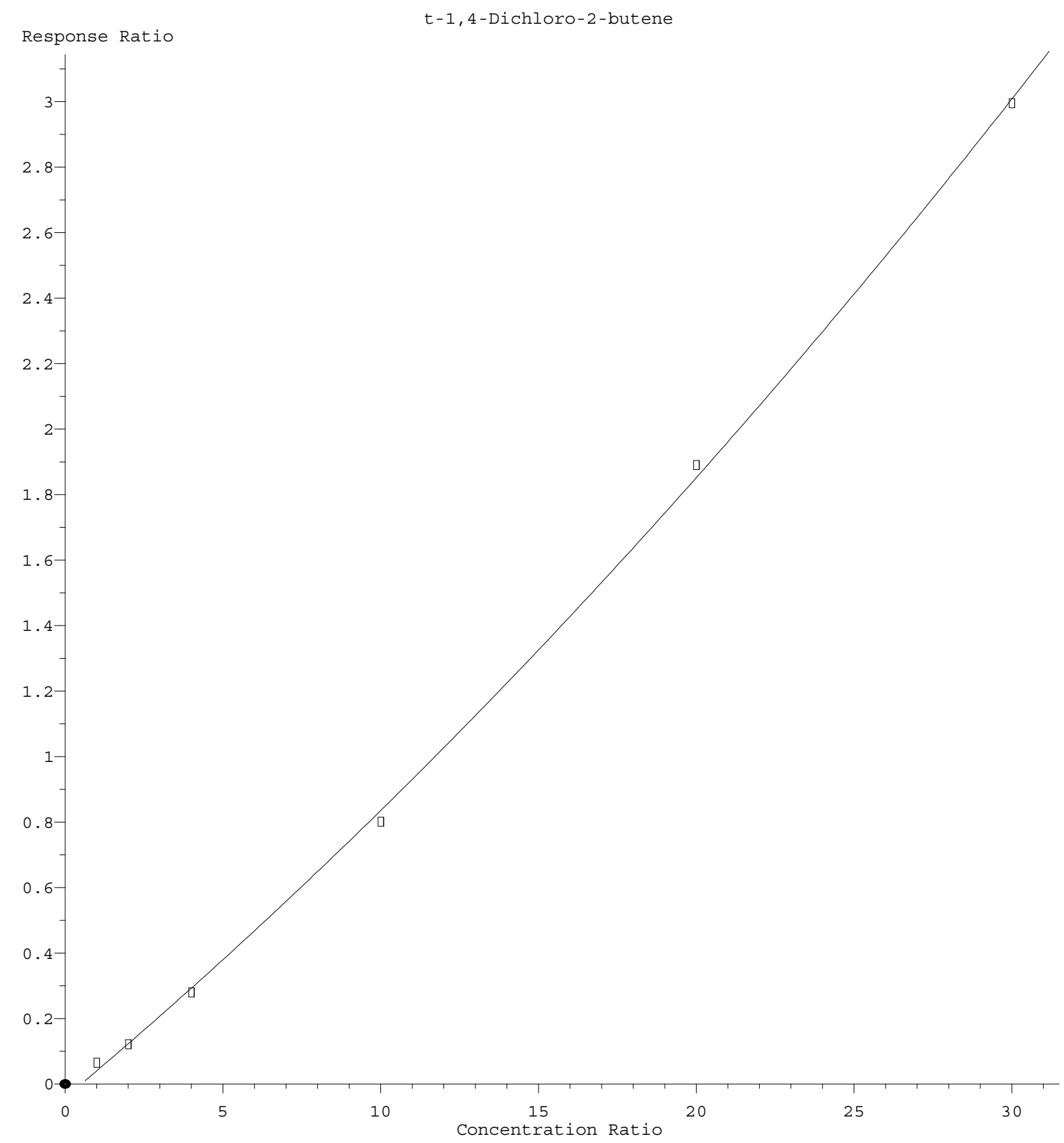
Calibration Table Last Updated: Thu Mar 30 13:33:10 2023



R = 7.006e-004 A*A + 8.060e-002 A - 4.064e-002
Coef of Det (r^2) = 0.999484 Curve Fit: Quadratic
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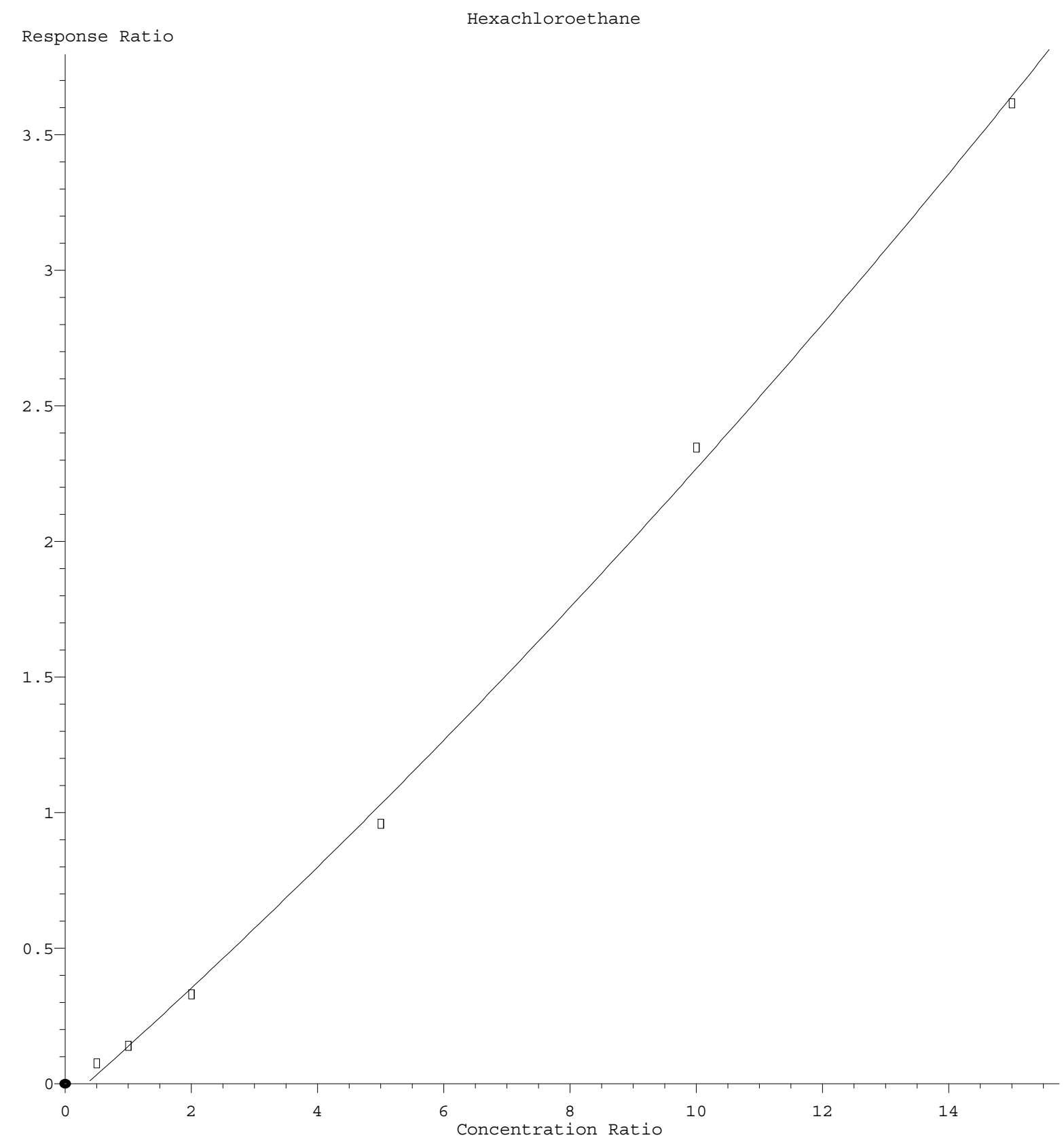

R = 2.716e-003 A*A + 2.068e-001 A - 7.129e-002
Coef of Det (r^2) = 0.998621 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U032923DW.M
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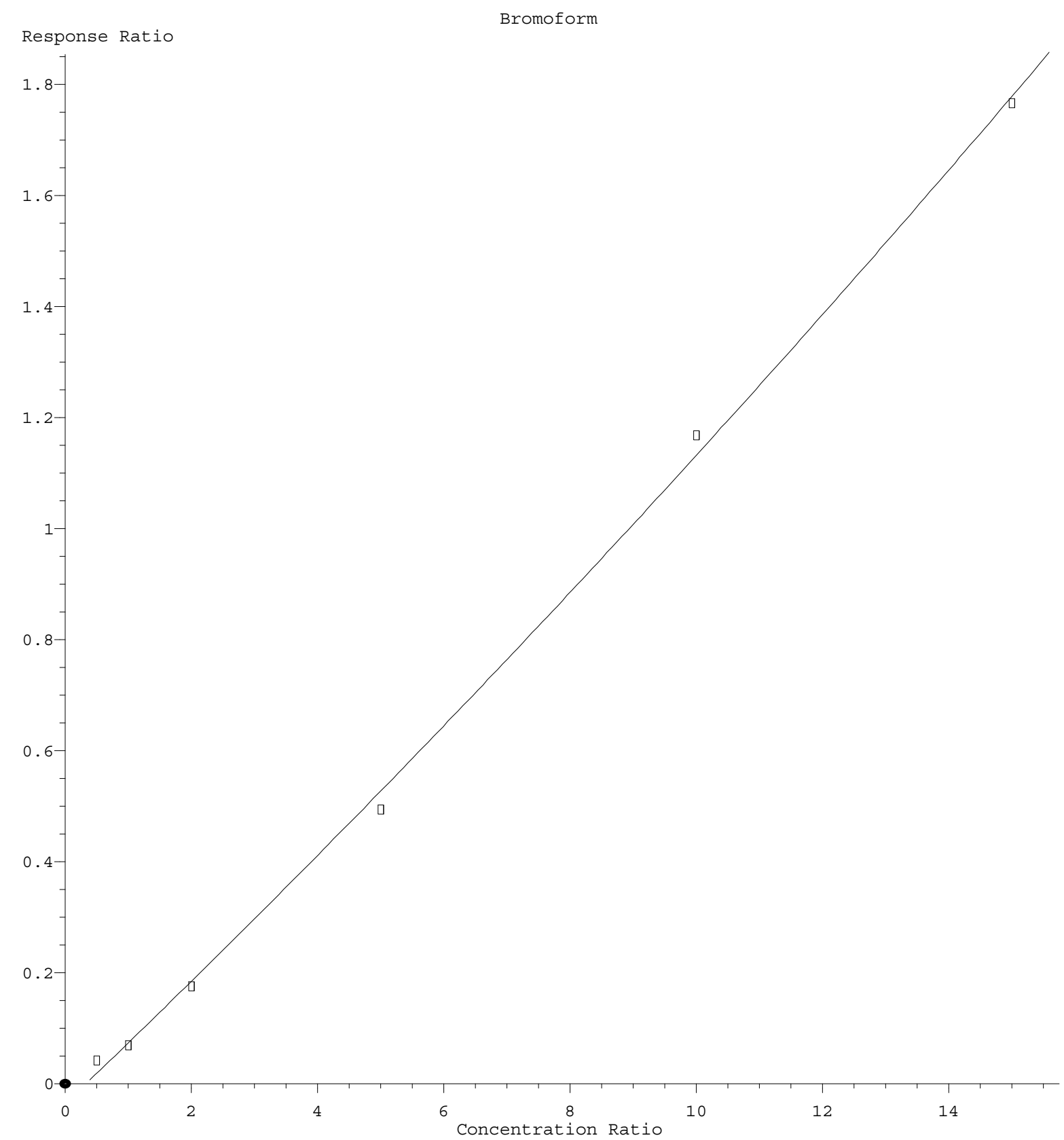

R = 8.338e-004 A*A + 1.084e-001 A - 3.554e-002
Coef of Det (r^2) = 0.998702 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U032923DW.M
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