Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100523S.M
Title : SW846 8260
Last Update : Fri Oct 06 05:54:04 2023
Response Via : Initial Calibration

Calibration Files
5 =VY015843.D 10 =VY015844.D 20 =VY015845.D 50 =VY015850.D 100 =VY015847.D 150 =VY015848.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.233	0.213	0.215	0.249	0.228	0.242	0.230	6.20
3)	P	Chloromethane	0.236	0.228	0.227	0.289	0.273	0.281	0.256	11.20
4)	C	Vinyl Chloride	0.316	0.299	0.287	0.352	0.333	0.343	0.322	7.88#
5)	T	Bromomethane	0.295	0.236	0.182	0.247	0.196	0.174	0.222	20.90
6)	T	Chloroethane	0.231	0.226	0.216	0.258	0.222	0.226	0.230	6.44
7)	T	Trichlorofluor...	0.617	0.588	0.613	0.651	0.618	0.660	0.624	4.24
8)	T	Diethyl Ether	0.255	0.257	0.265	0.274	0.282	0.300	0.272	6.25
9)	T	1,1,2-Trichlor...	0.399	0.385	0.406	0.422	0.394	0.436	0.407	4.65
10)	T	Methyl Iodide	0.271	0.263	0.293	0.392	0.423	0.450	0.349	23.74
11)	T	Tert butyl alc...	0.068	0.136	0.167	0.102	0.106	0.118	0.116	28.87
12)	CM	1,1-Dichloroet...	0.310	0.294	0.305	0.345	0.335	0.364	0.325	8.18#
13)	T	Acrolein	0.033	0.036	0.039	0.037	0.041	0.042	0.038	9.08
14)	T	Allyl chloride	0.591	0.551	0.591	0.632	0.634	0.682	0.614	7.43
15)	T	Acrylonitrile	0.213	0.203	0.224	0.205	0.209	0.220	0.212	4.01
16)	T	Acetone	0.287	0.259	0.282	0.230	0.232	0.239	0.255	10.02
17)	T	Carbon Disulfide	0.373	0.353	0.365	0.572	0.556	0.611	0.472	25.35
18)	T	Methyl Acetate	0.794	0.731	0.823	0.830	0.867	0.931	0.829	8.12
19)	T	Methyl tert-bu...	1.497	1.437	1.539	1.531	1.564	1.664	1.539	4.91
20)	T	Methylene Chlo...	1.392	0.842	0.678	0.526	0.485	0.505	0.738	47.12
21)	T	trans-1,2-Dich...	0.349	0.340	0.348	0.397	0.394	0.422	0.375	8.99
22)	T	Diisopropyl ether	1.559	1.511	1.595	1.603	1.606	1.687	1.593	3.66
23)	T	Vinyl Acetate	0.925	0.905	0.993	0.957	0.979	1.027	0.964	4.67
24)	P	1,1-Dichloroet...	0.837	0.800	0.840	0.849	0.844	0.907	0.846	4.11
25)	T	2-Butanone	0.376	0.348	0.381	0.322	0.332	0.345	0.351	6.71
26)	T	2,2-Dichloropr...	0.847	0.773	0.755	0.773	0.758	0.812	0.786	4.56
27)	T	cis-1,2-Dichlo...	0.534	0.508	0.528	0.545	0.552	0.585	0.542	4.76
28)	T	Bromochloromet...	0.488	0.492	0.500	0.514	0.475	0.500	0.495	2.71
29)	T	Tetrahydrofuran	0.188	0.184	0.208	0.189	0.199	0.206	0.196	5.27
30)	C	Chloroform	0.955	0.920	0.961	0.923	0.934	0.987	0.947	2.71#
31)	T	Cyclohexane	0.626	0.525	0.503	0.566	0.535	0.572	0.554	7.86
32)	T	1,1,1-Trichlor...	0.771	0.741	0.763	0.774	0.770	0.824	0.774	3.51
33)	S	1,2-Dichloroet...	0.487	0.486	0.485	0.493	0.495	0.505	0.492	1.58
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.277	0.287	0.280	0.291	0.283	0.292	0.285	2.07
36)	T	1,1-Dichloropr...	0.323	0.320	0.327	0.359	0.346	0.366	0.340	5.74
37)	T	Ethyl Acetate	0.377	0.366	0.416	0.360	0.377	0.388	0.380	5.24
38)	T	Carbon Tetrach...	0.392	0.382	0.398	0.410	0.395	0.421	0.400	3.45
39)	T	Methylcyclohexane	0.327	0.332	0.336	0.398	0.377	0.411	0.364	10.09
40)	TM	Benzene	1.029	1.007	1.036	1.101	1.083	1.146	1.067	4.90
41)	T	Methacrylonitrile	0.163	0.164	0.195	0.185	0.190	0.196	0.182	8.25
42)	TM	1,2-Dichloroet...	0.371	0.378	0.390	0.384	0.382	0.400	0.384	2.59
43)	T	Isopropyl Acetate	0.638	0.632	0.681	0.637	0.656	0.686	0.655	3.61
44)	TM	Trichloroethene	0.315	0.297	0.309	0.316	0.310	0.326	0.312	3.03
45)	C	1,2-Dichloropr...	0.310	0.306	0.323	0.313	0.308	0.334	0.316	3.39#
46)	T	Dibromomethane	0.199	0.192	0.201	0.201	0.204	0.213	0.202	3.37
47)	T	Bromodichlorom...	0.467	0.456	0.470	0.465	0.464	0.488	0.468	2.28
48)	T	Methyl methacr...	0.276	0.273	0.294	0.282	0.289	0.302	0.286	3.96
49)	T	1,4-Dioxane	0.004	0.004	0.005	0.004	0.005	0.005	0.005	9.12
50)	S	Toluene-d8	0.892	0.899	0.878	0.966	0.952	0.965	0.925	4.30
51)	T	4-Methyl-2-Pen...	0.402	0.397	0.444	0.395	0.407	0.414	0.410	4.38
52)	CM	Toluene	0.676	0.656	0.690	0.716	0.709	0.742	0.698	4.38#
53)	T	t-1,3-Dichloro...	0.465	0.457	0.482	0.501	0.509	0.534	0.491	5.92
54)	T	cis-1,3-Dichlo...	0.501	0.491	0.516	0.530	0.532	0.561	0.522	4.83
55)	T	1,1,2-Trichlor...	0.325	0.308	0.323	0.312	0.309	0.324	0.317	2.48
56)	T	Ethyl methacry...	0.425	0.413	0.470	0.469	0.479	0.501	0.460	7.36

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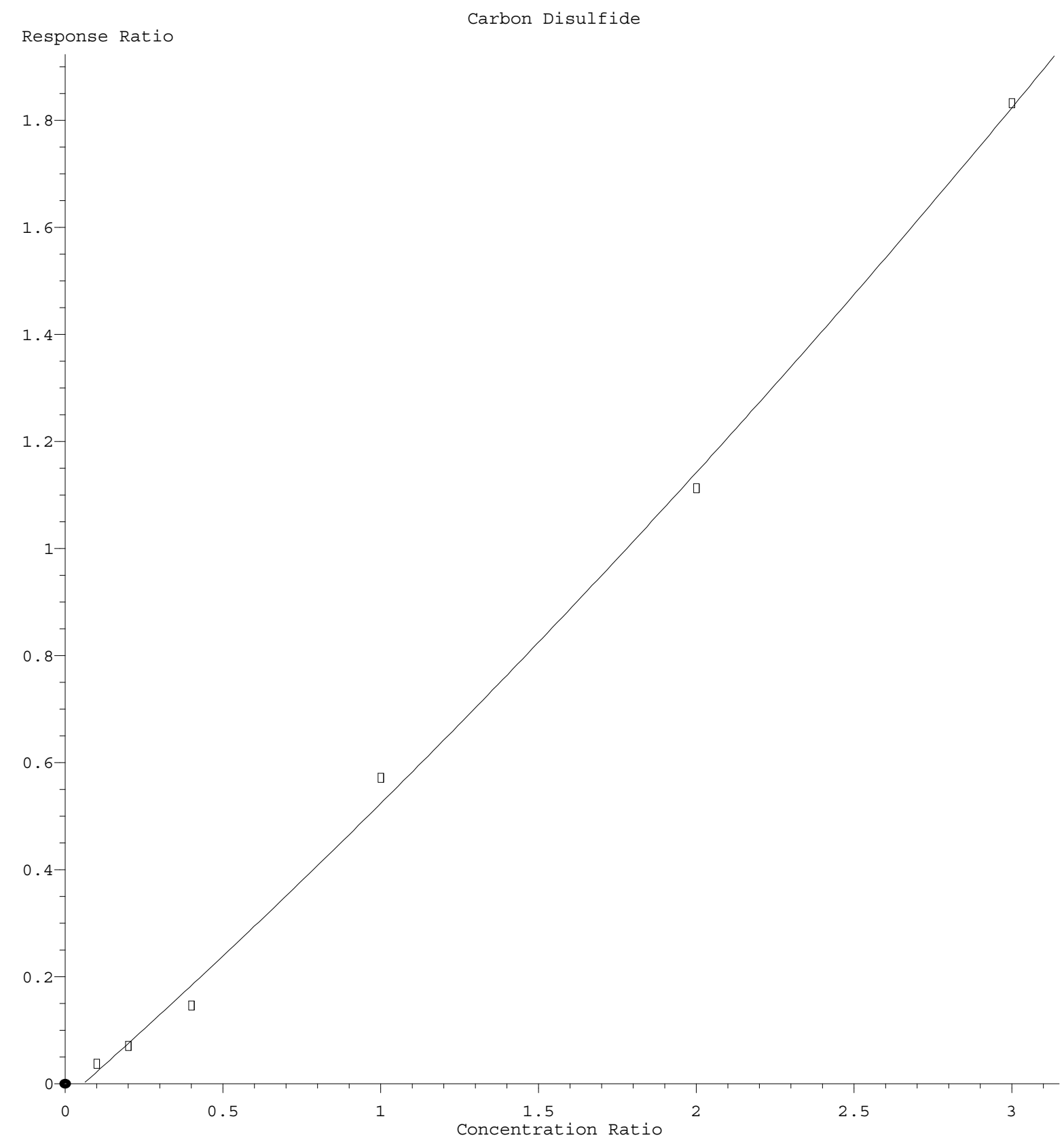
57)	T	1,3-Dichloropr...	0.496	0.488	0.512	0.507	0.509	0.528	0.507	2.74
58)	T	2-Chloroethyl ...	0.246	0.243	0.270	0.273	0.277	0.298	0.268	7.68
59)	T	2-Hexanone	0.310	0.311	0.349	0.306	0.314	0.317	0.318	4.95
60)	T	Dibromochlorom...	0.354	0.354	0.366	0.368	0.369	0.386	0.366	3.22
61)	T	1,2-Dibromoethane	0.289	0.287	0.298	0.295	0.298	0.311	0.296	2.93
62)	S	4-Bromofluorob...	0.372	0.386	0.372	0.388	0.375	0.377	0.378	1.86
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.338	0.347	0.367	0.348	0.351	0.358	0.351	2.90
65)	PM	Chlorobenzene	0.948	0.888	0.939	0.921	0.904	0.948	0.925	2.68
66)	T	1,1,1,2-Tetrac...	0.377	0.380	0.388	0.372	0.372	0.393	0.380	2.25
67)	C	Ethyl Benzene	1.541	1.517	1.595	1.602	1.585	1.655	1.583	3.07#
68)	T	m/p-Xylenes	0.570	0.578	0.610	0.616	0.603	0.633	0.602	3.93
69)	T	o-Xylene	0.563	0.573	0.607	0.615	0.603	0.630	0.598	4.22
70)	T	Styrene	0.971	0.990	1.067	1.085	1.059	1.096	1.045	4.95
71)	P	Bromoform	0.268	0.271	0.291	0.285	0.287	0.299	0.283	4.20
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.219	3.147	3.253	3.229	3.168	3.417	3.239	2.96
74)	T	N-amyl acetate	1.179	1.193	1.317	1.229	1.268	1.324	1.252	4.93
75)	P	1,1,2,2-Tetrac...	0.988	0.914	0.977	0.920	0.940	1.002	0.957	3.90
76)	T	1,2,3-Trichlor...	0.739	0.716	0.747	0.795	0.704	0.740	0.740	4.25
77)	T	Bromobenzene	0.806	0.767	0.804	0.790	0.787	0.854	0.801	3.69
78)	T	n-propylbenzene	3.815	3.722	3.927	3.929	3.807	4.078	3.880	3.23
79)	T	2-Chlorotoluene	2.229	2.160	2.245	2.224	2.193	2.354	2.234	2.95
80)	T	1,3,5-Trimethy...	2.648	2.608	2.721	2.727	2.650	2.841	2.699	3.09
81)	T	trans-1,4-Dich...	0.301	0.296	0.324	0.309	0.332	0.358	0.320	7.19
82)	T	4-Chlorotoluene	2.361	2.256	2.355	2.313	2.292	2.453	2.338	2.93
83)	T	tert-Butylbenzene	2.481	2.400	2.512	2.470	2.368	2.572	2.467	3.00
84)	T	1,2,4-Trimethy...	2.661	2.610	2.756	2.719	2.674	2.850	2.712	3.11
85)	T	sec-Butylbenzene	3.532	3.569	3.695	3.666	3.501	3.757	3.620	2.80
86)	T	p-Isopropyltol...	2.947	2.932	3.074	3.055	2.941	3.138	3.015	2.86
87)	T	1,3-Dichlorobe...	1.656	1.558	1.625	1.581	1.552	1.654	1.604	2.91
88)	T	1,4-Dichlorobe...	1.689	1.597	1.657	1.586	1.553	1.651	1.622	3.18
89)	T	n-Butylbenzene	2.827	2.811	2.922	2.923	2.792	2.936	2.868	2.27
90)	T	Hexachloroethane	0.574	0.573	0.595	0.580	0.581	0.626	0.588	3.38
91)	T	1,2-Dichlorobe...	1.542	1.480	1.543	1.494	1.461	1.545	1.511	2.45
92)	T	1,2-Dibromo-3-...	0.190	0.192	0.198	0.184	0.190	0.197	0.192	2.77
93)	T	1,2,4-Trichlor...	0.967	0.971	0.988	0.982	0.976	1.017	0.983	1.86
94)	T	Hexachlorobuta...	0.521	0.526	0.528	0.509	0.484	0.507	0.512	3.19
95)	T	Naphthalene	2.535	2.446	2.689	2.604	2.664	2.795	2.622	4.67
96)	T	1,2,3-Trichlor...	0.956	0.903	0.917	0.907	0.904	0.943	0.921	2.42

(#) = Out of Range



R = 3.187e-002 A*A + 5.224e-001 A - 3.046e-002
Coef of Det (r^2) = 0.998121 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100523S.M
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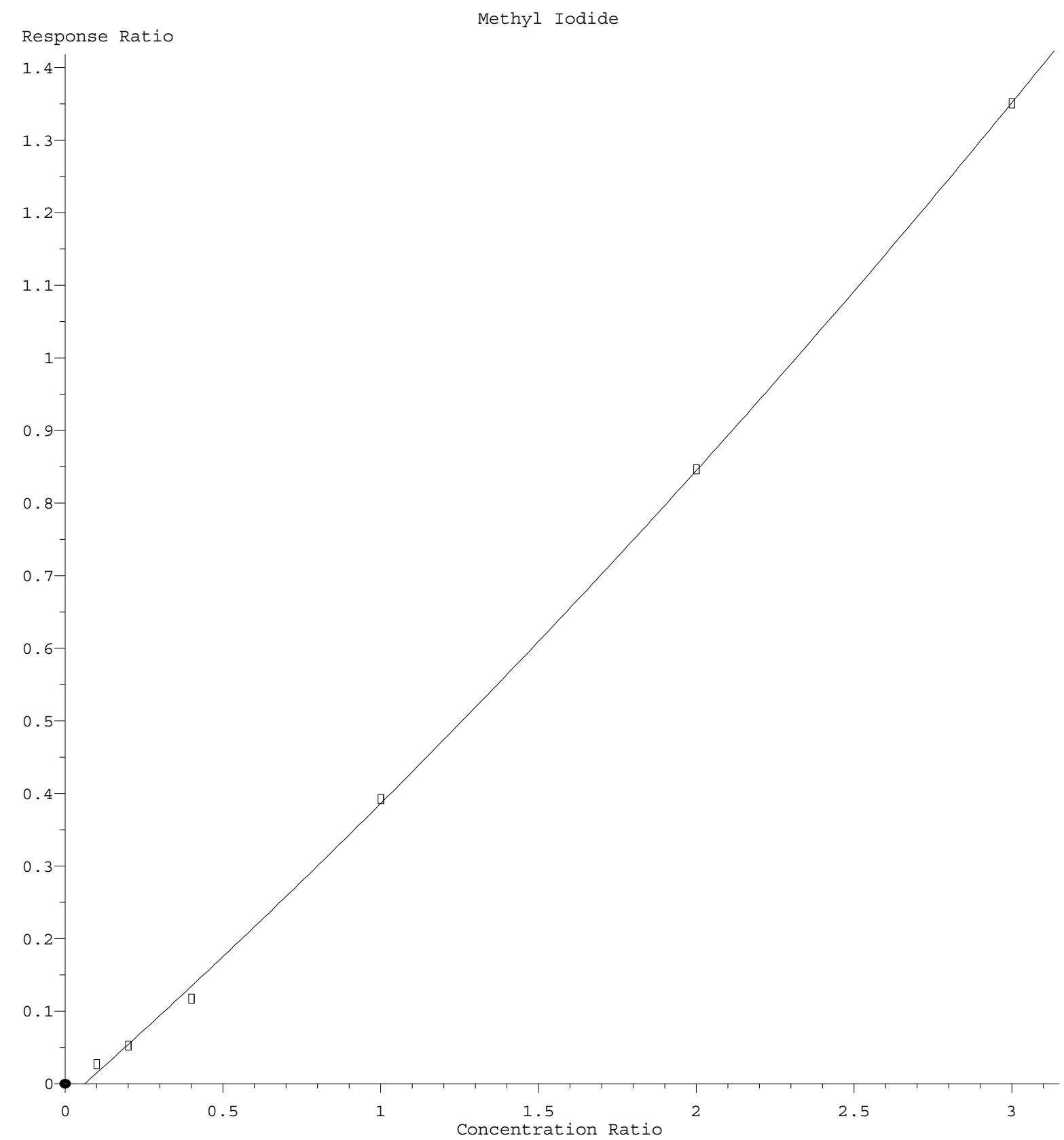

R = 2.418e-002 A*A + 3.860e-001 A - 2.400e-002
Coef of Det (r^2) = 0.999657 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100523S.M
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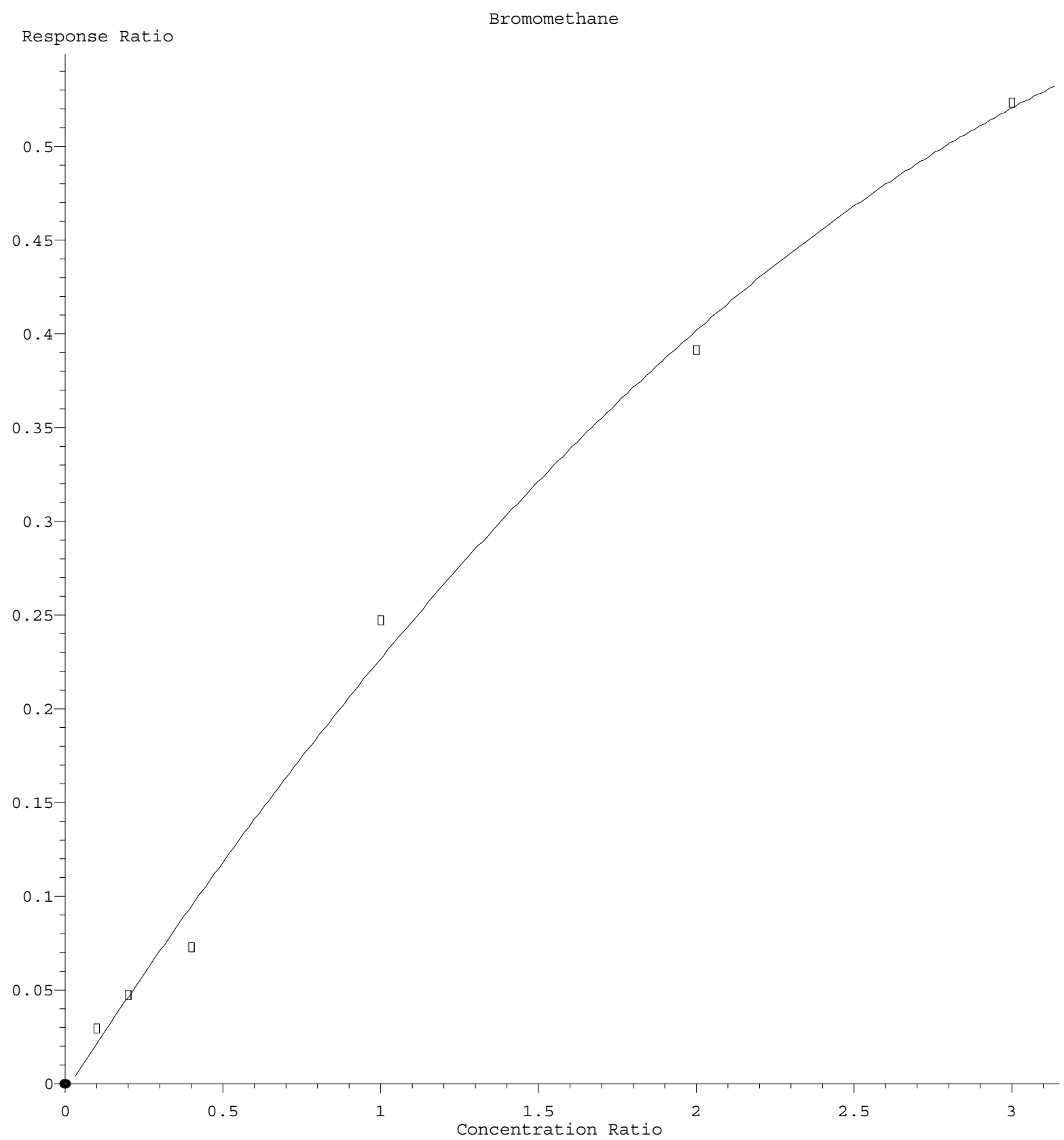

R = -2.813e-002 A*A + 2.594e-001 A - 4.459e-003
Coef of Det (r^2) = 0.994817 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100523S.M
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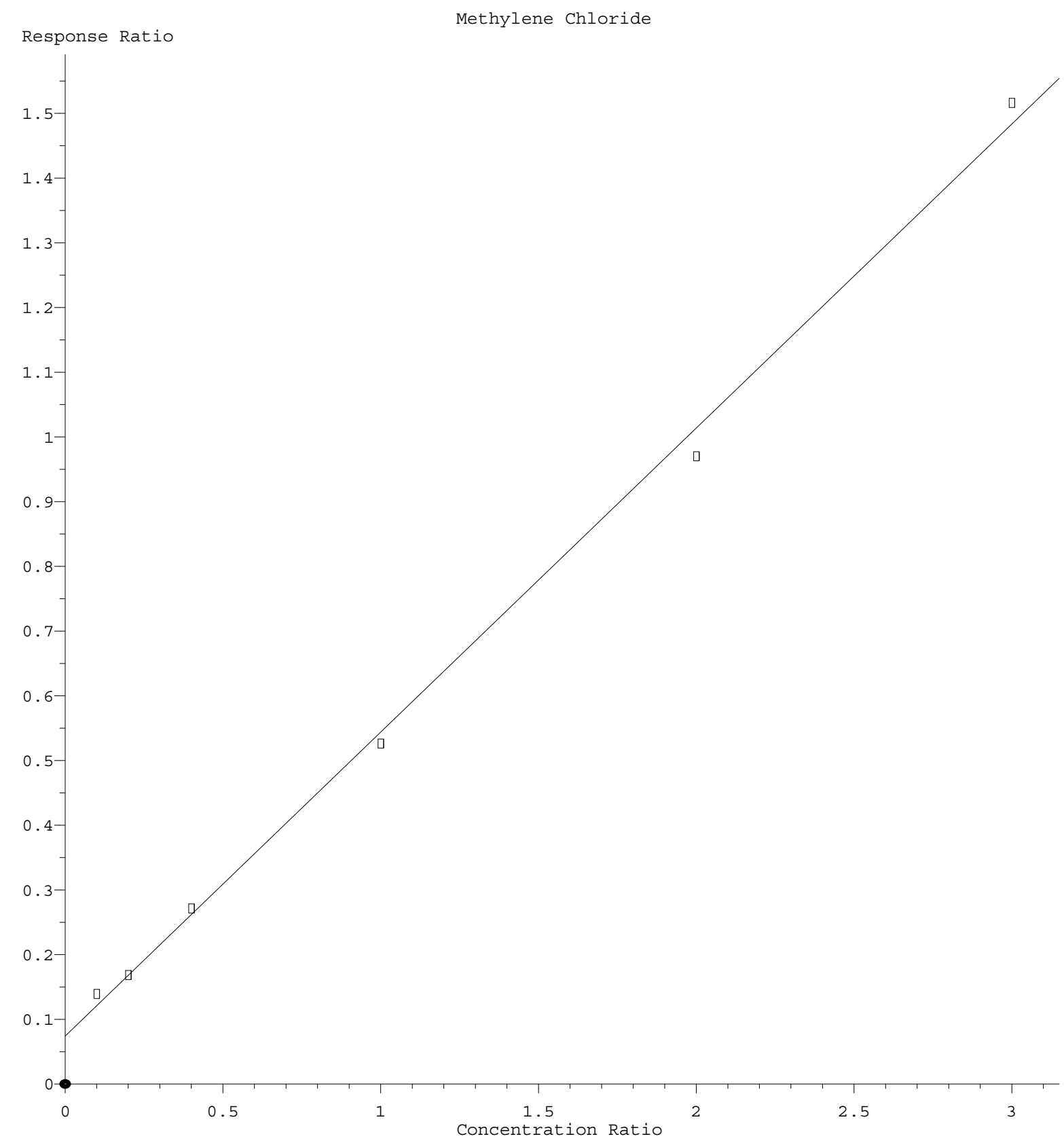

Response = 4.697e-001 * Amt + 7.400e-002
Coef of Det (r^2) = 0.997513 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100523S.M
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