Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y061324S.M
Title : SW846 8260
Last Update : Fri Jun 14 07:08:24 2024
Response Via : Initial Calibration

Calibration Files
5 =VY018576.D 10 =VY018577.D 20 =VY018578.D 50 =VY018579.D 100 =VY018580.D 150 =VY018581.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.307	0.320	0.263	0.365	0.356	0.366	0.329	12.34
3)	P	Chloromethane	0.696	0.722	0.558	0.826	0.668	0.599	0.678	14.00
4)	C	Vinyl Chloride	0.851	0.872	0.690	0.996	0.845	0.787	0.840	12.00#
5)	T	Bromomethane	0.681	0.678	0.514	0.701	0.599	0.573	0.624	11.85
6)	T	Chloroethane	0.562	0.586	0.466	0.644	0.542	0.501	0.550	11.45
7)	T	Trichlorofluor...	0.839	0.918	0.794	1.057	0.910	0.909	0.904	9.89
8)	T	Diethyl Ether	0.232	0.257	0.218	0.315	0.265	0.260	0.258	12.95
9)	T	1,1,2-Trichlor...	0.445	0.474	0.405	0.541	0.484	0.486	0.473	9.64
10)	T	Methyl Iodide	0.389	0.472	0.394	0.686	0.582	0.565	0.515	22.77
11)	T	Tert butyl alc...	0.183	0.132	0.077	0.066	0.042	0.043	0.091	61.79
12)	CM	1,1-Dichloroet...	0.439	0.485	0.391	0.556	0.490	0.489	0.475	11.71#
13)	T	Acrolein	0.027	0.027	0.024	0.038	0.032	0.028	0.029	16.99
14)	T	Allyl chloride	0.593	0.677	0.537	0.762	0.651	0.621	0.640	11.98
15)	T	Acrylonitrile	0.106	0.128	0.094	0.139	0.114	0.107	0.115	14.12
16)	T	Acetone	0.107	0.112	0.081	0.127	0.099	0.089	0.102	16.02
17)	T	Carbon Disulfide	1.004	1.092	0.890	1.657	1.490	1.462	1.266	24.52
18)	T	Methyl Acetate	0.228	0.273	0.203	0.343	0.266	0.246	0.260	18.43
19)	T	Methyl tert-bu...	1.129	1.346	1.081	1.500	1.285	1.260	1.267	11.93
20)	T	Methylene Chlo...	1.553	1.056	0.673	0.718	0.575	0.548	0.854	45.39
21)	T	trans-1,2-Dich...	0.488	0.535	0.449	0.636	0.574	0.562	0.541	12.22
22)	T	Diisopropyl ether	1.420	1.587	1.297	1.745	1.432	1.191	1.445	13.76
23)	T	Vinyl Acetate	0.813	0.959	0.776	1.456	1.198	1.050	1.042	24.49
24)	P	1,1-Dichloroet...	0.890	0.984	0.792	1.081	0.939	0.902	0.931	10.44
25)	T	2-Butanone	0.146	0.174	0.126	0.191	0.148	0.137	0.154	15.87
26)	T	2,2-Dichloropr...	0.796	0.801	0.648	0.889	0.794	0.780	0.785	9.89
27)	T	cis-1,2-Dichlo...	0.621	0.647	0.550	0.762	0.677	0.662	0.653	10.69
28)	T	Bromochloromet...	0.494	0.416	0.401	0.315	0.353	0.312	0.382	18.26
29)	T	Tetrahydrofuran	0.087	0.107	0.079	0.117	0.092	0.083	0.094	15.71
30)	C	Chloroform	0.965	1.068	0.854	1.176	1.030	0.996	1.015	10.58#
31)	T	Cyclohexane	0.859	0.792	0.645	0.864	0.752	0.715	0.771	11.03
32)	T	1,1,1-Trichlor...	0.797	0.876	0.718	0.995	0.889	0.898	0.862	10.96
33)	S	1,2-Dichloroet...	0.597	0.513	0.419	0.508	0.497	0.488	0.503	11.30
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.335	0.303	0.256	0.302	0.315	0.319	0.305	8.85
36)	T	1,1-Dichloropr...	0.398	0.415	0.342	0.479	0.446	0.438	0.420	11.20
37)	T	Ethyl Acetate	0.202	0.208	0.160	0.237	0.195	0.186	0.198	12.87
38)	T	Carbon Tetrach...	0.371	0.436	0.362	0.501	0.479	0.494	0.440	13.98
39)	T	Methylcyclohexane	0.427	0.496	0.418	0.613	0.563	0.569	0.514	15.62
40)	TM	Benzene	1.178	1.304	1.069	1.518	1.383	1.339	1.298	12.13
41)	T	Methacrylonitrile	0.112	0.094	0.094	0.116	0.084	0.097	0.100	12.19
42)	TM	1,2-Dichloroet...	0.312	0.350	0.287	0.397	0.347	0.340	0.339	11.05
43)	T	Isopropyl Acetate	0.335	0.374	0.313	0.449	0.379	0.365	0.369	12.62
44)	TM	Trichloroethene	0.300	0.344	0.282	0.394	0.362	0.358	0.340	12.22
45)	C	1,2-Dichloropr...	0.283	0.303	0.250	0.344	0.308	0.295	0.297	10.44#
46)	T	Dibromomethane	0.158	0.187	0.153	0.218	0.195	0.194	0.184	13.20
47)	T	Bromodichlorom...	0.383	0.433	0.368	0.518	0.472	0.466	0.440	13.00
48)	T	Methyl methacr...	0.146	0.163	0.132	0.209	0.177	0.170	0.166	16.20
49)	T	1,4-Dioxane	0.002	0.003	0.002	0.003	0.002	0.002	0.002	15.86
50)	S	Toluene-d8	1.284	1.178	0.985	1.171	1.238	1.183	1.173	8.70
51)	T	4-Methyl-2-Pen...	0.174	0.208	0.164	0.242	0.200	0.179	0.195	14.74
52)	CM	Toluene	0.722	0.845	0.703	0.989	0.904	0.839	0.834	13.04#
53)	T	t-1,3-Dichloro...	0.306	0.362	0.316	0.473	0.435	0.413	0.384	17.41
54)	T	cis-1,3-Dichlo...	0.381	0.453	0.381	0.553	0.515	0.499	0.464	15.42
55)	T	1,1,2-Trichlor...	0.240	0.240	0.206	0.284	0.256	0.244	0.245	10.35
56)	T	Ethyl methacry...	0.250	0.320	0.263	0.413	0.356	0.320	0.321	18.79

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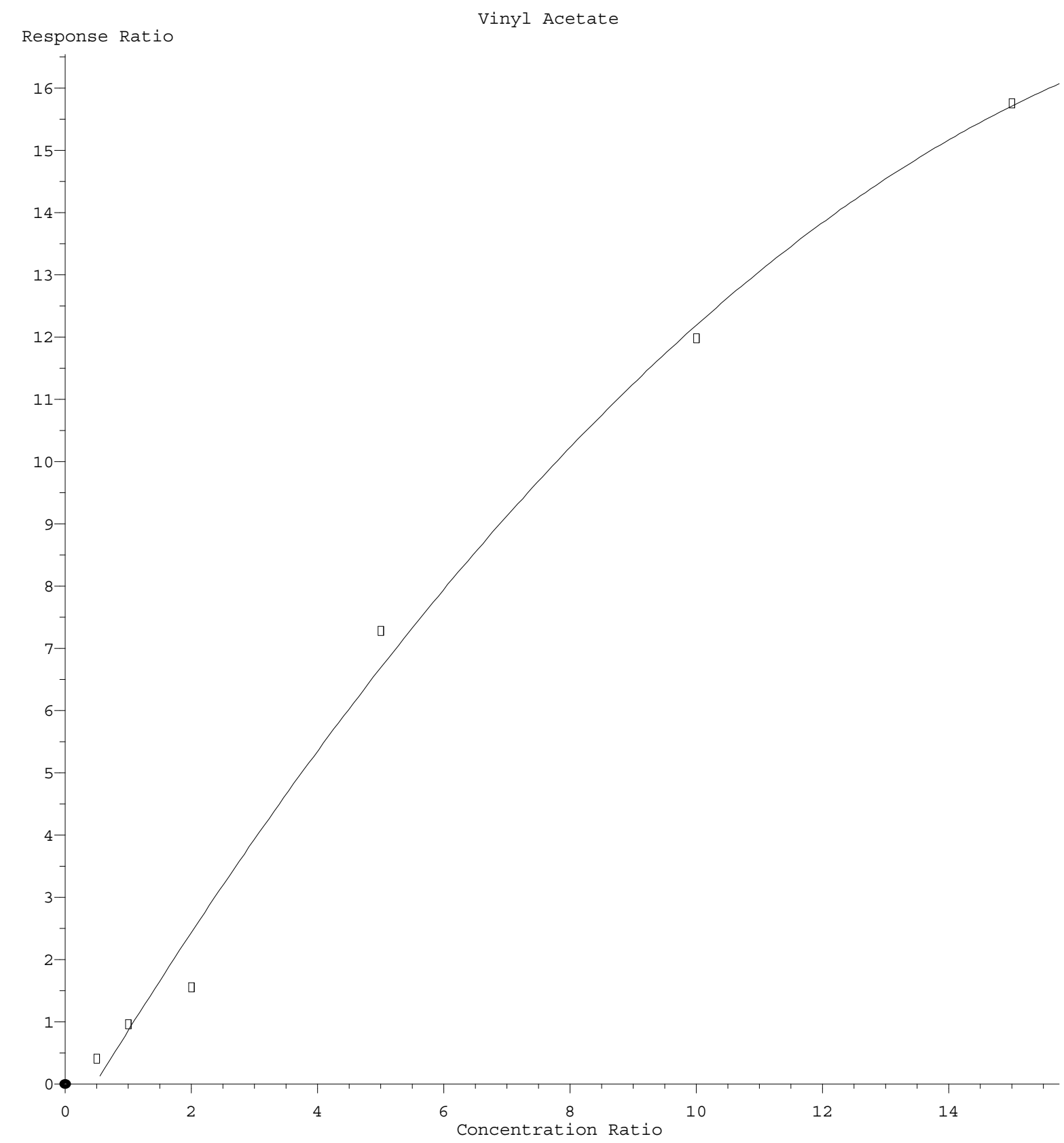
57)	T	1,3-Dichloropr...	0.377	0.415	0.334	0.484	0.424	0.408	0.407	12.31
58)	T	2-Chloroethyl ...	0.138	0.135	0.153	0.169	0.171	0.163	0.155	10.03
59)	T	2-Hexanone	0.119	0.151	0.115	0.172	0.139	0.122	0.136	16.29
60)	T	Dibromochlorom...	0.247	0.293	0.250	0.365	0.337	0.334	0.304	16.11
61)	T	1,2-Dibromoethane	0.196	0.222	0.185	0.277	0.243	0.235	0.226	14.77
62)	S	4-Bromofluorob...	0.411	0.370	0.296	0.386	0.381	0.378	0.370	10.54
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.329	0.350	0.293	0.410	0.372	0.385	0.357	11.70
65)	PM	Chlorobenzene	0.931	1.048	0.870	1.204	1.081	1.063	1.033	11.43
66)	T	1,1,1,2-Tetrac...	0.309	0.346	0.273	0.402	0.372	0.375	0.346	13.79
67)	C	Ethyl Benzene	1.638	1.758	1.491	2.116	1.918	1.833	1.792	12.17#
68)	T	m/p-Xylenes	0.610	0.676	0.577	0.843	0.741	0.736	0.697	13.94
69)	T	o-Xylene	0.614	0.651	0.557	0.802	0.702	0.698	0.671	12.56
70)	T	Styrene	0.947	1.082	0.926	1.359	1.161	1.171	1.108	14.53
71)	P	Bromoform	0.158	0.183	0.143	0.225	0.213	0.218	0.190	17.96
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.588	3.680	3.103	4.130	3.796	3.610	3.651	9.14
74)	T	N-amyl acetate	0.679	0.804	0.671	0.927	0.716	0.689	0.748	13.41
75)	P	1,1,2,2-Tetrac...	0.625	0.727	0.569	0.754	0.638	0.577	0.648	11.86
76)	T	1,2,3-Trichlor...	0.553	0.448	0.412	0.577	0.467	0.357	0.469	17.81
77)	T	Bromobenzene	0.753	0.846	0.731	0.936	0.911	0.890	0.844	10.07
78)	T	n-propylbenzene	4.077	4.409	3.790	4.916	4.320	4.126	4.273	8.92
79)	T	2-Chlorotoluene	2.378	2.498	2.103	2.770	2.423	2.299	2.412	9.18
80)	T	1,3,5-Trimethy...	2.617	2.928	2.514	3.352	3.034	2.917	2.894	10.40
81)	T	trans-1,4-Dich...	0.143	0.175	0.146	0.229	0.194	0.188	0.179	17.99
82)	T	4-Chlorotoluene	2.318	2.539	2.146	2.787	2.437	2.346	2.429	9.01
83)	T	tert-Butylbenzene	2.515	2.765	2.322	2.988	2.844	2.635	2.678	8.93
84)	T	1,2,4-Trimethy...	2.610	2.902	2.476	3.370	3.046	2.950	2.892	11.02
85)	T	sec-Butylbenzene	3.558	3.906	3.380	4.419	3.902	3.753	3.820	9.37
86)	T	p-Isopropyltol...	2.958	3.175	2.739	3.724	3.469	3.364	3.238	11.03
87)	T	1,3-Dichlorobe...	1.613	1.700	1.427	1.908	1.804	1.767	1.703	9.85
88)	T	1,4-Dichlorobe...	1.668	1.711	1.396	1.871	1.720	1.662	1.671	9.26
89)	T	n-Butylbenzene	2.757	2.965	2.632	3.385	2.944	2.830	2.919	8.88
90)	T	Hexachloroethane	0.516	0.564	0.501	0.693	0.646	0.611	0.588	12.78
91)	T	1,2-Dichlorobe...	1.363	1.424	1.249	1.677	1.528	1.489	1.455	10.10
92)	T	1,2-Dibromo-3-...	0.090	0.104	0.078	0.111	0.092	0.088	0.094	12.50
93)	T	1,2,4-Trichlor...	0.709	0.791	0.638	0.924	0.882	0.919	0.811	14.59
94)	T	Hexachlorobuta...	0.383	0.417	0.340	0.462	0.428	0.470	0.416	11.82
95)	T	Naphthalene	1.150	1.444	1.198	1.847	1.715	1.734	1.515	19.53
96)	T	1,2,3-Trichlor...	0.601	0.658	0.555	0.778	0.737	0.780	0.685	13.89

(#) = Out of Range



R = -3.963e-002 A*A + 1.695e+000 A - 7.944e-001
Coef of Det (r^2) = 0.993683 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y061324S.M
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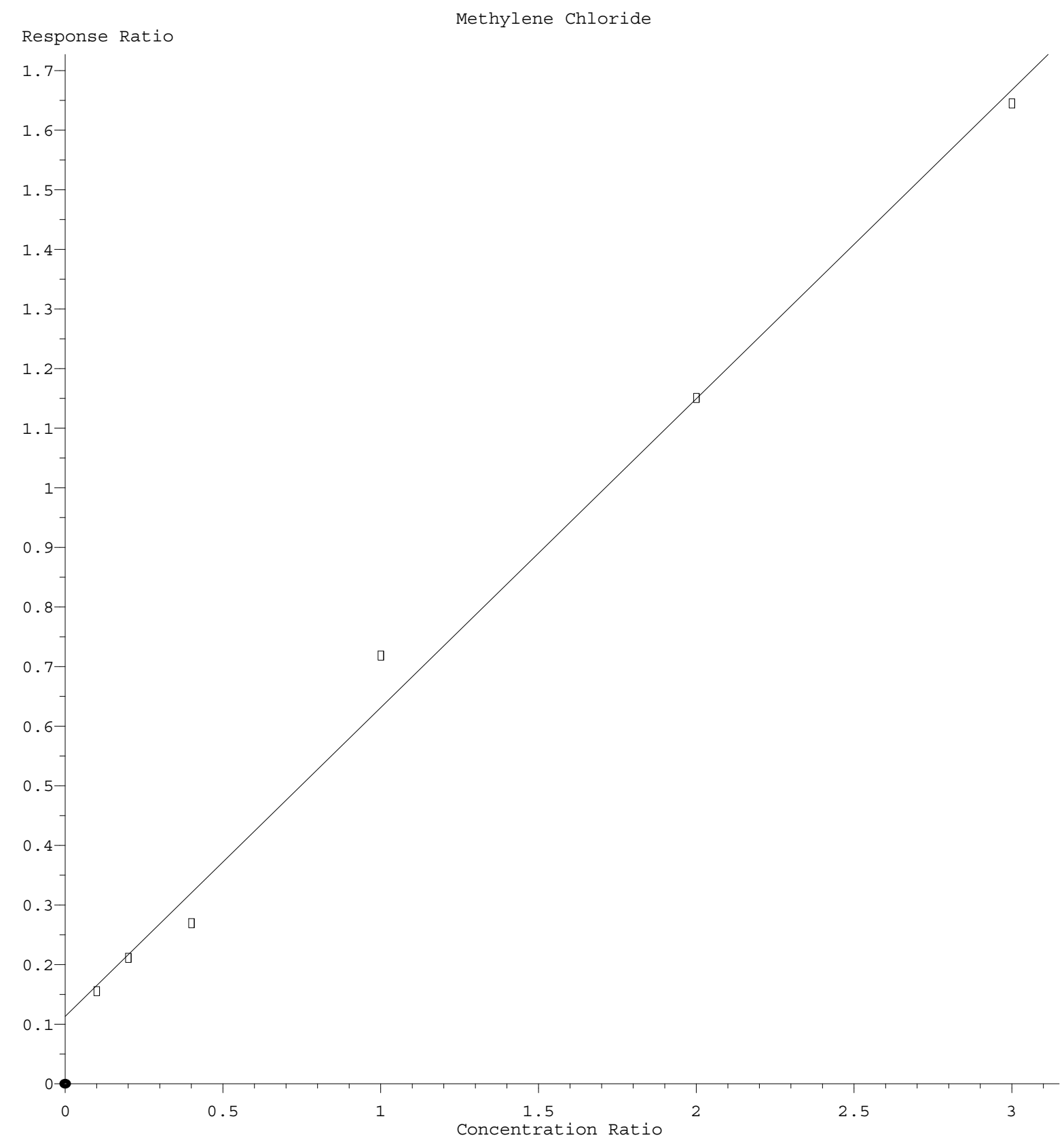

Response = 5.181e-001 * Amt + 1.131e-001
Coef of Det (r^2) = 0.994035 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y061324S.M
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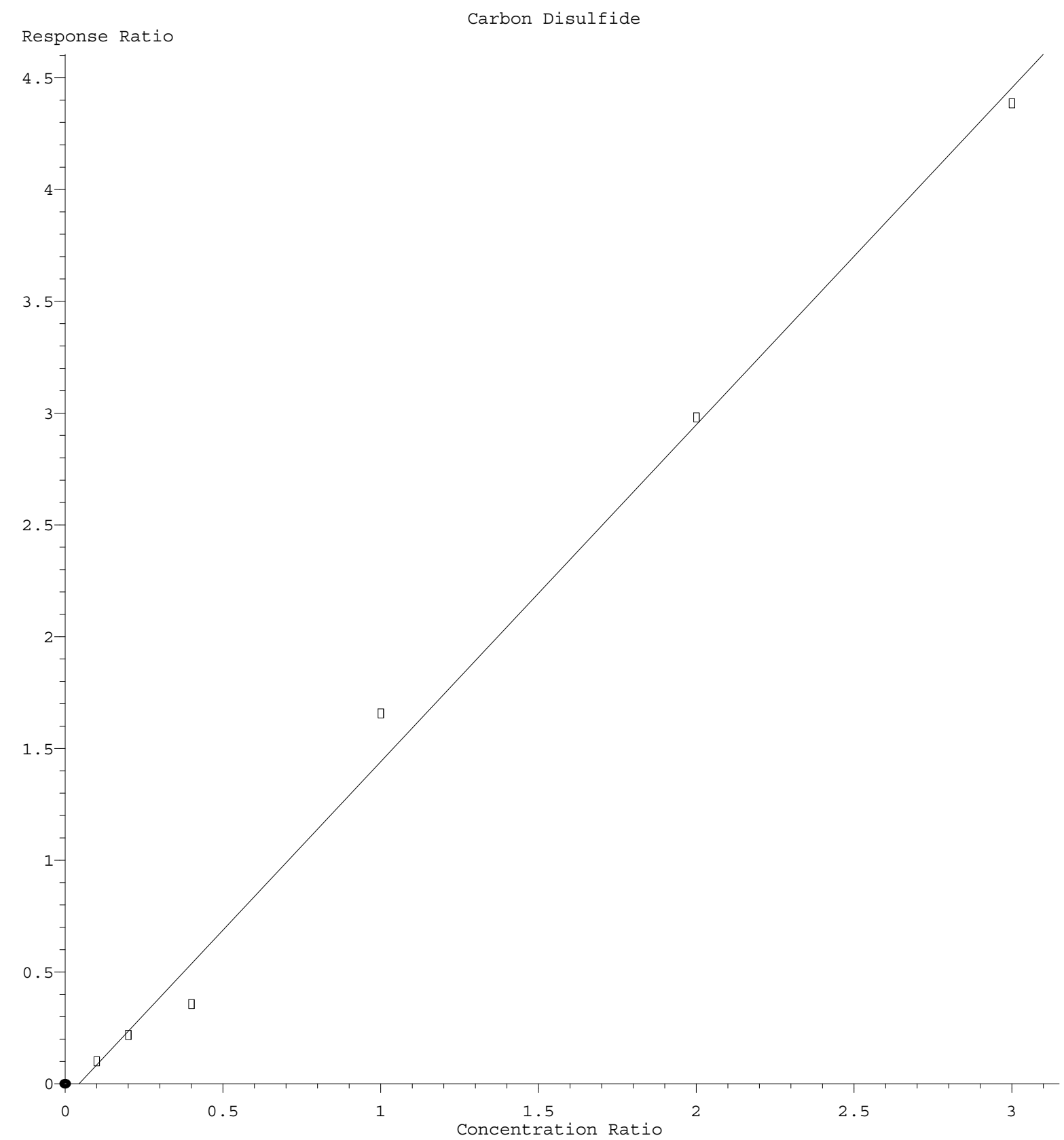

Response = 1.507e+000 * Amt - 6.688e-002
Coef of Det (r^2) = 0.994431 Curve Fit: Linear
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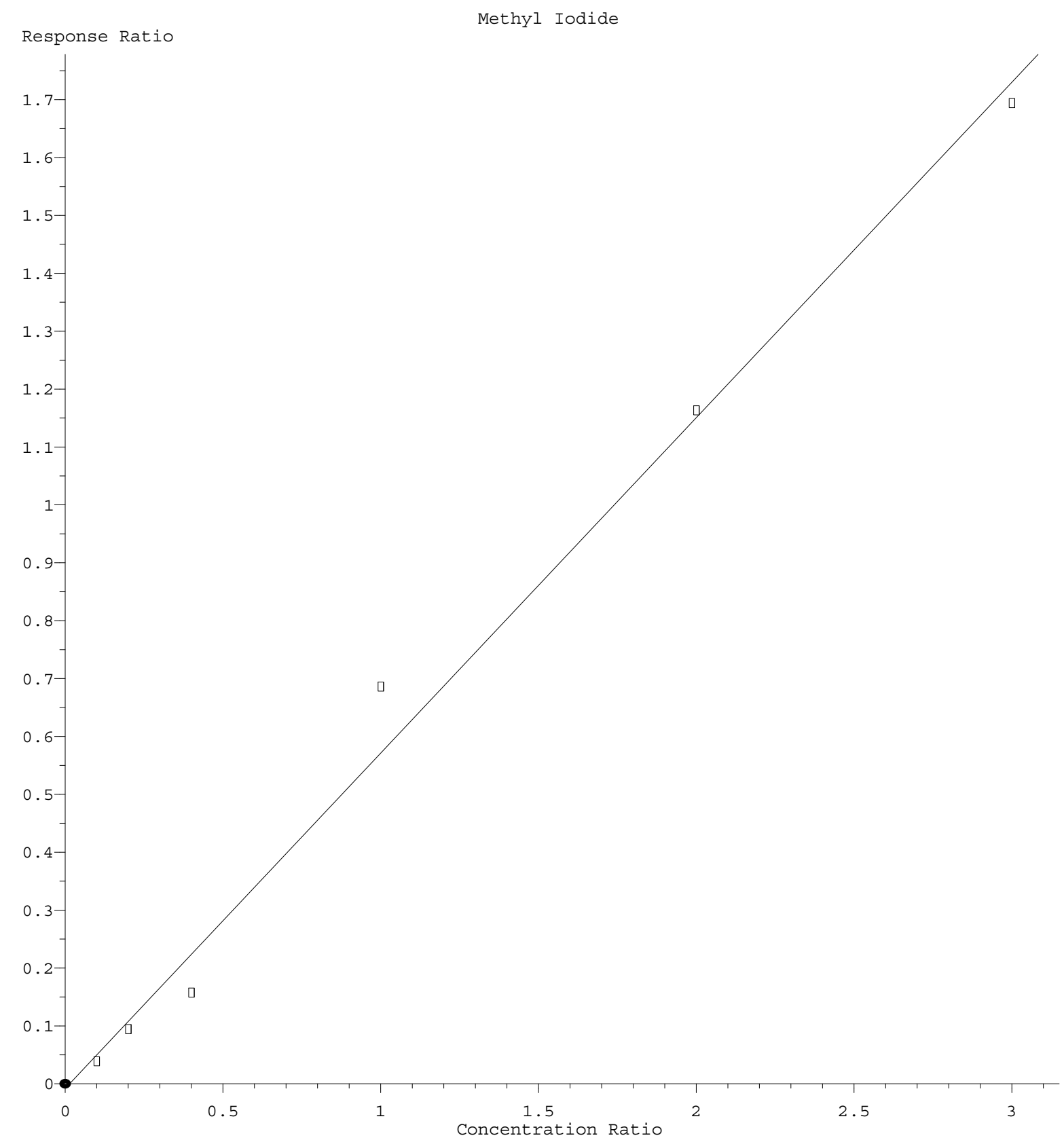

Response = 5.794e-001 * Amt - 8.040e-003
Coef of Det (r^2) = 0.991528 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y061324S.M
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