Response Factor Report MSVOA_D

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
Method File : 82D072224S.M
Title : SW846 8260
Last Update : Tue Jul 23 10:24:07 2024
Response Via : Initial Calibration

Calibration Files
5 =VD079393.D 10 =VD079387.D 20 =VD079388.D 50 =VD079389.D 100 =VD079390.D 150 =VD079391.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.569	0.484	0.486	0.399	0.407	0.374	0.453	16.10
3)	P	Chloromethane	0.476	0.489	0.480	0.472	0.447	0.383	0.458	8.52
4)	C	Vinyl Chloride	0.462	0.596	0.575	0.598	0.470	0.399	0.517	16.25#
5)	T	Bromomethane	0.512	0.463	0.357	0.398	0.349	0.308	0.398	19.22
6)	T	Chloroethane	0.264	0.295	0.229	0.281	0.253	0.199	0.254	13.85
7)	T	Trichlorofluor...	1.031	1.018	0.848	0.851	0.850	0.763	0.893	11.96
8)	T	Diethyl Ether	0.303	0.326	0.255	0.302	0.290	0.259	0.289	9.55
9)	T	1,1,2-Trichlor...	0.722	0.676	0.590	0.594	0.590	0.516	0.615	11.85
10)	T	Methyl Iodide	0.577	0.638	0.665	0.633	0.768	0.724	0.667	10.27
11)	T	Tert butyl alc...	0.040	0.038	0.034	0.036	0.034	0.032	0.035	8.47
12)	CM	1,1-Dichloroet...	0.664	0.628	0.549	0.555	0.574	0.526	0.583	9.06#
13)	T	Acrolein	0.037	0.039	0.032	0.023	0.020	0.018	0.028	31.79
14)	T	Allyl chloride	0.588	0.796	0.547	0.745	0.776		0.691	16.56
15)	T	Acrylonitrile	0.149	0.150	0.122	0.144	0.142	0.133	0.140	7.55
16)	T	Acetone	0.093	0.126	0.087	0.122	0.098	0.075	0.100	19.89
17)	T	Carbon Disulfide	1.830	1.977	1.636	1.669	1.675	1.396	1.697	11.54
18)	T	Methyl Acetate	0.327	0.373	0.265	0.343	0.345		0.331	12.15
19)	T	Methyl tert-bu...	1.336	1.323	1.200	1.365	1.375	1.311	1.318	4.78
20)	T	Methylene Chlo...	2.820	1.913	1.169	0.933	0.764	0.720	1.386	59.63
21)	T	trans-1,2-Dich...	0.736	0.667	0.654	0.631	0.631	0.602	0.653	7.05
22)	T	Diisopropyl ether	1.684	1.835	1.768	1.763	1.709	1.598	1.726	4.75
23)	T	Vinyl Acetate	1.298	1.323	1.364	1.394	1.377	1.267	1.337	3.69
24)	P	1,1-Dichloroet...	1.437	1.238	1.161	1.120	1.123	1.055	1.189	11.39
25)	T	2-Butanone	0.190	0.172	0.174	0.169	0.165	0.154	0.171	6.92
26)	T	2,2-Dichloropr...	1.192	1.031	0.987	0.922	0.939	0.876	0.991	11.31
27)	T	cis-1,2-Dichlo...	0.789	0.766	0.749	0.733	0.761	0.730	0.755	2.93
28)	T	Bromochloromet...	0.574	0.488	0.499	0.469	0.449	0.419	0.483	10.99
29)	T	Tetrahydrofuran	0.105	0.099	0.107	0.107	0.105	0.097	0.103	4.05
30)	C	Chloroform	1.431	1.358	1.213	1.175	1.168	1.091	1.239	10.39#
31)	T	Cyclohexane	1.121	0.968	0.921	0.831	0.835	0.800	0.913	13.14
32)	T	1,1,1-Trichlor...	1.197	1.060	1.009	0.957	0.973	0.905	1.017	10.06
33)	S	1,2-Dichloroet...	0.606	0.560	0.600	0.576	0.553	0.514	0.568	5.96
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.357	0.351	0.361	0.356	0.343	0.320	0.348	4.30
36)	T	1,1-Dichloropr...	0.501	0.485	0.463	0.458	0.464	0.432	0.467	5.13
37)	T	Ethyl Acetate	0.212	0.194	0.199	0.218	0.206	0.187	0.203	5.64
38)	T	Carbon Tetrach...	0.545	0.515	0.505	0.473	0.476	0.444	0.493	7.28
39)	T	Methylcyclohexane	0.510	0.509	0.541	0.551	0.571	0.539	0.537	4.49
40)	TM	Benzene	1.587	1.496	1.458	1.433	1.474	1.371	1.470	4.87
41)	T	Methacrylonitrile	0.095	0.124	0.110	0.107	0.117	0.110	0.111	8.84
42)	TM	1,2-Dichloroet...	0.404	0.396	0.373	0.349	0.350	0.326	0.366	8.18
43)	T	Isopropyl Acetate	0.344	0.379	0.384	0.389	0.382	0.357	0.372	4.80
44)	TM	Trichloroethene	0.383	0.378	0.362	0.338	0.344	0.325	0.355	6.51
45)	C	1,2-Dichloropr...	0.380	0.401	0.364	0.356	0.359	0.338	0.366	5.88#
46)	T	Dibromomethane	0.235	0.234	0.214	0.208	0.208	0.189	0.214	8.11
47)	T	Bromodichlorom...	0.568	0.570	0.529	0.515	0.515	0.475	0.528	6.85
48)	T	Methyl methacr...	0.161	0.157	0.172	0.174	0.180	0.166	0.168	4.99
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.003	0.002	0.002	4.92
50)	S	Toluene-d8	1.226	1.256	1.371	1.375	1.355	1.310	1.315	4.76
51)	T	4-Methyl-2-Pen...	0.186	0.197	0.212	0.215	0.208	0.190	0.201	6.03
52)	CM	Toluene	0.933	0.915	0.928	0.909	0.946	0.888	0.920	2.21#
53)	T	t-1,3-Dichloro...	0.494	0.485	0.476	0.470	0.487	0.458	0.478	2.75
54)	T	cis-1,3-Dichlo...	0.552	0.569	0.566	0.562	0.576	0.531	0.559	2.87
55)	T	1,1,2-Trichlor...	0.303	0.296	0.290	0.284	0.283	0.258	0.286	5.41
56)	T	Ethyl methacry...	0.299	0.323	0.341	0.364	0.381	0.355	0.344	8.52

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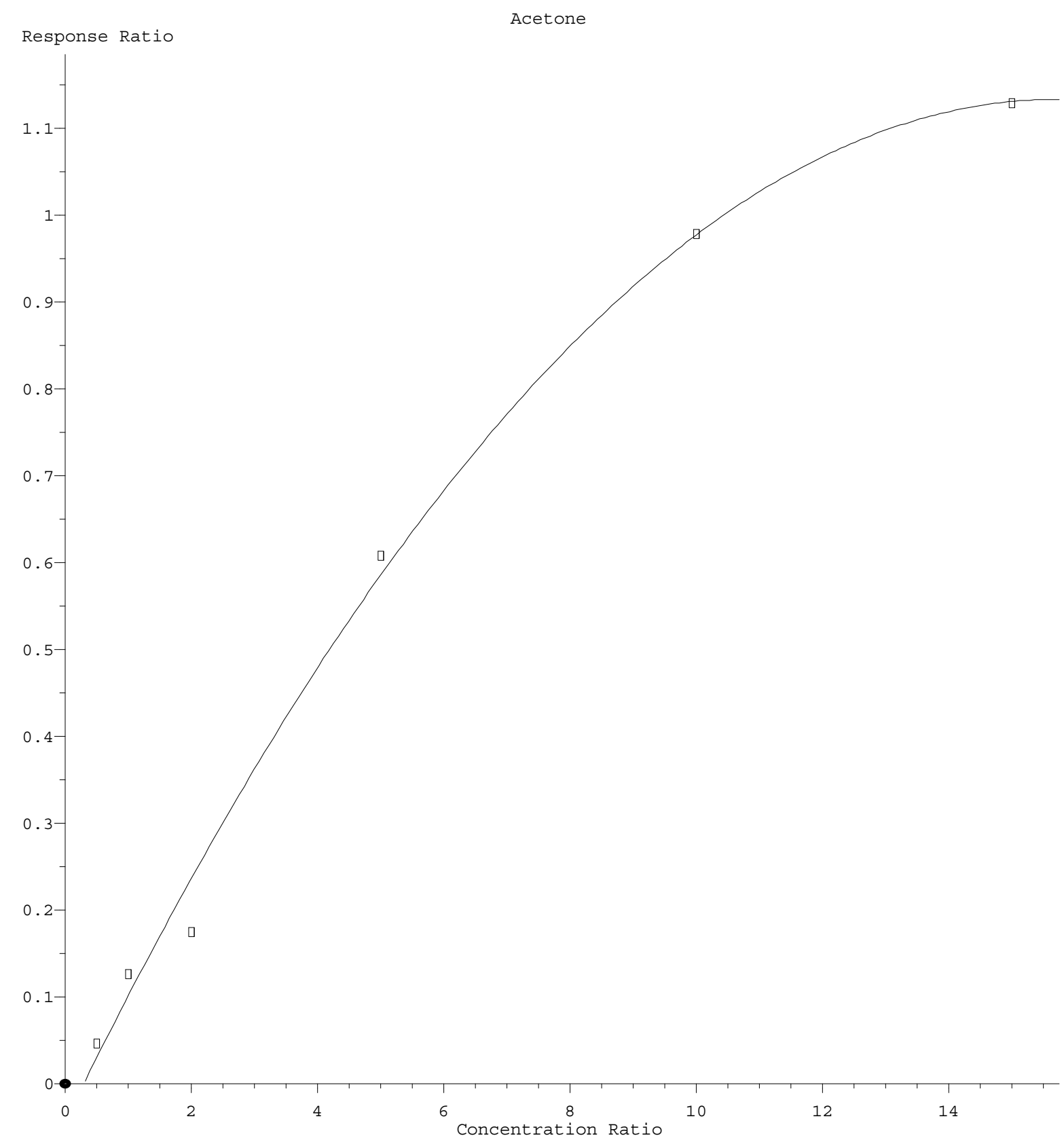
57)	T	1,3-Dichloropr...	0.462	0.501	0.479	0.469	0.474	0.439	0.471	4.33
58)	T	2-Chloroethyl ...	0.130	0.146	0.150	0.167	0.168	0.158	0.153	9.23
59)	T	2-Hexanone	0.130	0.139	0.150	0.153	0.148	0.136	0.143	6.26
60)	T	Dibromochlorom...	0.387	0.379	0.375	0.366	0.359	0.336	0.367	4.90
61)	T	1,2-Dibromoethane	0.279	0.267	0.269	0.265	0.264	0.246	0.265	4.06
62)	S	4-Bromofluorob...	0.372	0.379	0.415	0.420	0.417	0.412	0.402	5.26
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.378	0.326	0.305	0.293	0.303	0.289	0.316	10.53
65)	PM	Chlorobenzene	1.220	1.102	1.097	1.064	1.068	1.039	1.098	5.84
66)	T	1,1,1,2-Tetrac...	0.400	0.375	0.368	0.367	0.366	0.361	0.373	3.75
67)	C	Ethyl Benzene	1.744	1.703	1.780	1.845	1.932	1.917	1.820	5.13#
68)	T	m/p-Xylenes	0.649	0.669	0.707	0.723	0.743	0.745	0.706	5.59
69)	T	o-Xylene	0.619	0.608	0.636	0.679	0.695	0.701	0.656	6.16
70)	T	Styrene	1.036	1.055	1.168	1.229	1.258	1.243	1.165	8.37
71)	P	Bromoform	0.235	0.222	0.223	0.216	0.211	0.210	0.219	4.14
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.262	3.368	3.497	3.567	3.657	3.569	3.487	4.19
74)	T	N-amyl acetate	0.737	0.769	0.838	0.834	0.814	0.764	0.793	5.29
75)	P	1,1,2,2-Tetrac...	0.842	0.808	0.771	0.762	0.735	0.673	0.765	7.68
76)	T	1,2,3-Trichlor...	0.637	0.438	0.563	0.442	0.517	0.486	0.514	14.94
77)	T	Bromobenzene	0.883	0.851	0.857	0.841	0.842	0.807	0.847	2.93
78)	T	n-propylbenzene	4.281	4.160	4.421	4.514	4.533	4.402	4.385	3.25
79)	T	2-Chlorotoluene	2.509	2.449	2.528	2.505	2.538	2.480	2.501	1.31
80)	T	1,3,5-Trimethy...	2.720	2.810	2.950	2.996	3.080	2.989	2.924	4.57
81)	T	trans-1,4-Dich...	0.256	0.270	0.288	0.270	0.261	0.247	0.265	5.36
82)	T	4-Chlorotoluene	2.753	2.642	2.775	2.621	2.677	2.553	2.670	3.13
83)	T	tert-Butylbenzene	2.340	2.324	2.463	2.528	2.666	2.609	2.488	5.60
84)	T	1,2,4-Trimethy...	2.675	2.780	2.990	3.070	3.185	3.105	2.968	6.70
85)	T	sec-Butylbenzene	3.824	3.707	3.872	3.869	4.076	3.944	3.882	3.17
86)	T	p-Isopropyltol...	2.905	2.916	3.174	3.250	3.474	3.369	3.181	7.34
87)	T	1,3-Dichlorobe...	1.890	1.803	1.762	1.717	1.746	1.679	1.766	4.16
88)	T	1,4-Dichlorobe...	1.947	1.854	1.772	1.689	1.708	1.621	1.765	6.73
89)	T	n-Butylbenzene	3.034	2.882	3.096	3.185	3.271	3.188	3.109	4.44
90)	T	Hexachloroethane	0.807	0.744	0.713	0.672	0.683	0.664	0.714	7.60
91)	T	1,2-Dichlorobe...	1.591	1.558	1.555	1.488	1.519	1.459	1.528	3.20
92)	T	1,2-Dibromo-3-...	0.116	0.107	0.111	0.106	0.102	0.094	0.106	7.00
93)	T	1,2,4-Trichlor...	0.881	0.862	0.850	0.884	0.904	0.888	0.878	2.20
94)	T	Hexachlorobuta...	0.561	0.489	0.494	0.471	0.471	0.458	0.491	7.53
95)	T	Naphthalene	1.700	1.589	1.716	1.875	1.940		1.764	8.04
96)	T	1,2,3-Trichlor...	0.874	0.740	0.775	0.803	0.816	0.775	0.797	5.77

(#) = Out of Range



R = -4.758e-003 A*A + 1.497e-001 A - 4.355e-002
Coef of Det (r^2) = 0.995182 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
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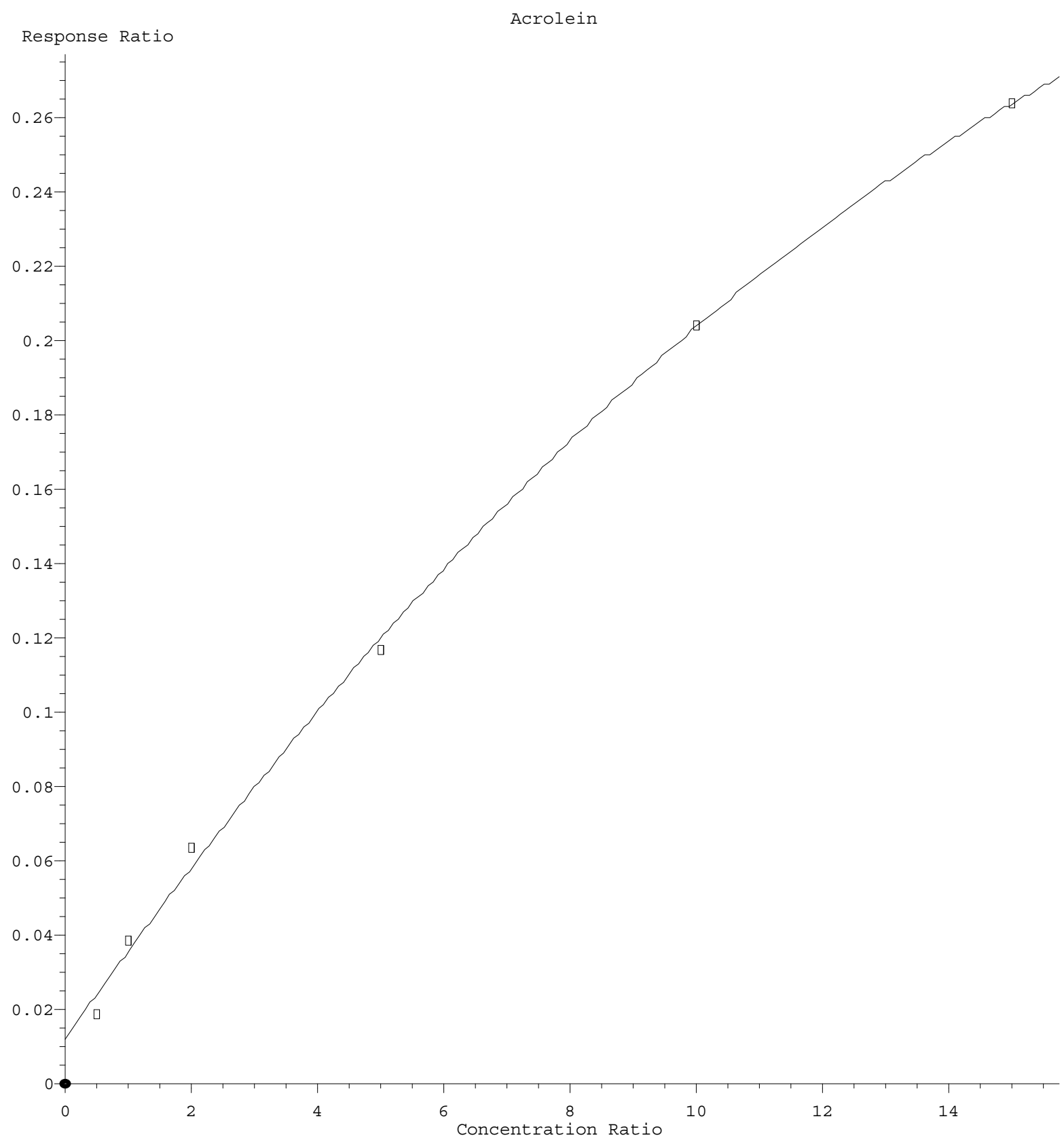
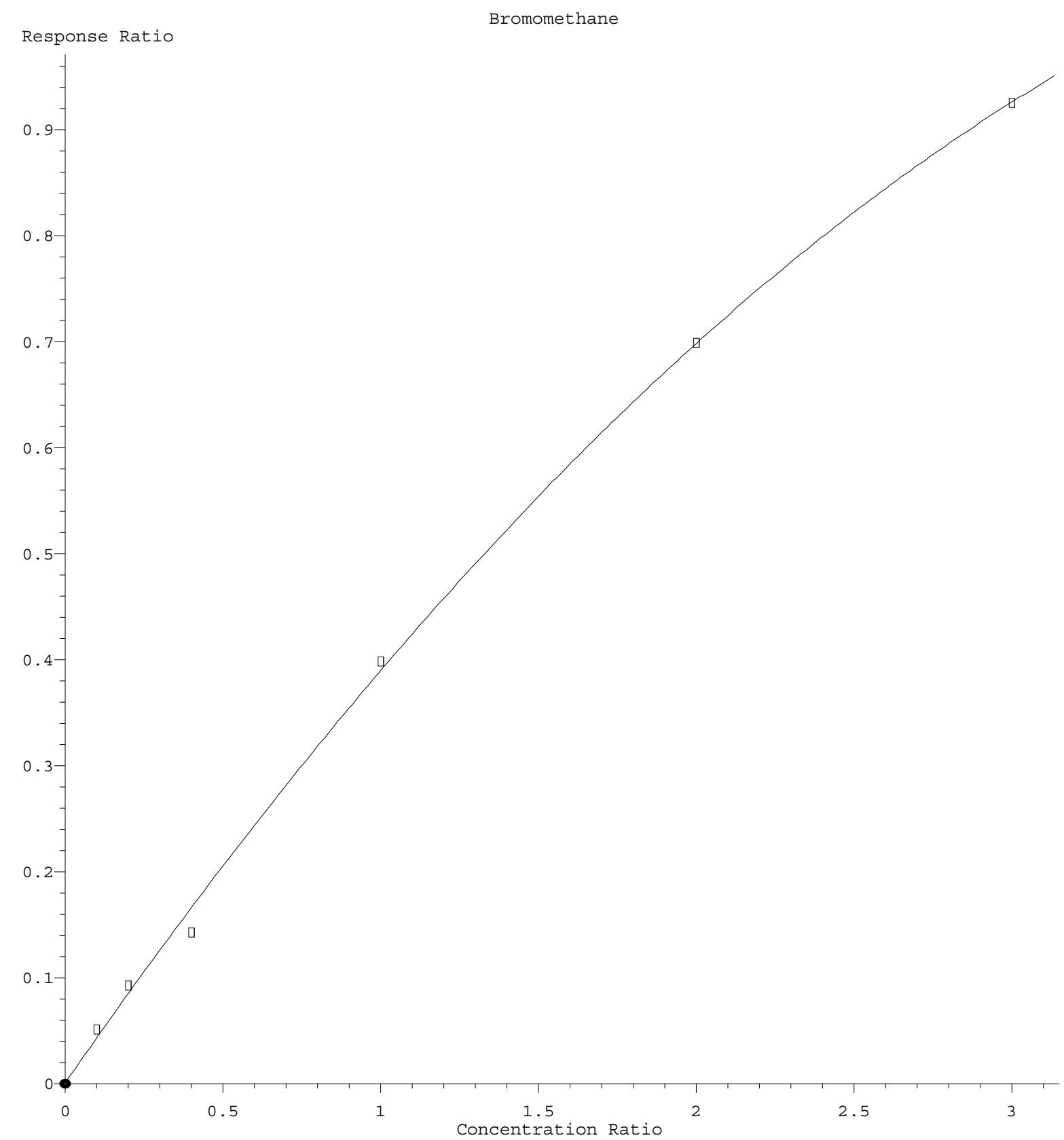


R = -4.746e-004 A*A + 2.388e-002 A + 1.232e-002
Coef of Det (r^2) = 0.998430 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
Calibration Table Last Updated: Tue Jul 23 10:24:07 2024



R = -4.031e-002 A*A + 4.293e-001 A + 8.705e-004
Coef of Det (r^2) = 0.998856 Curve Fit: Quadratic
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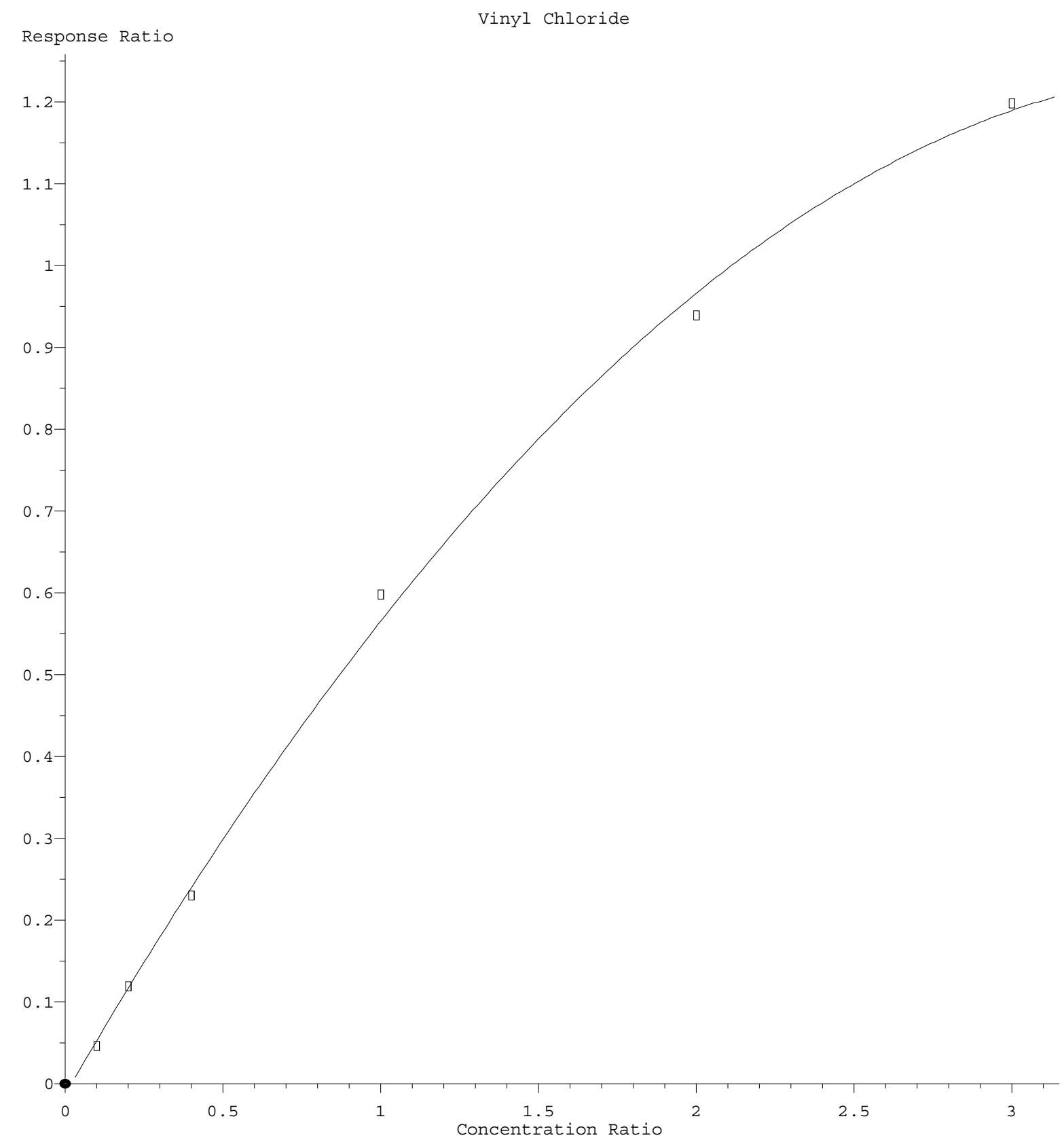

R = -8.879e-002 A*A + 6.672e-001 A - 1.299e-002
Coef of Det (r^2) = 0.998192 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
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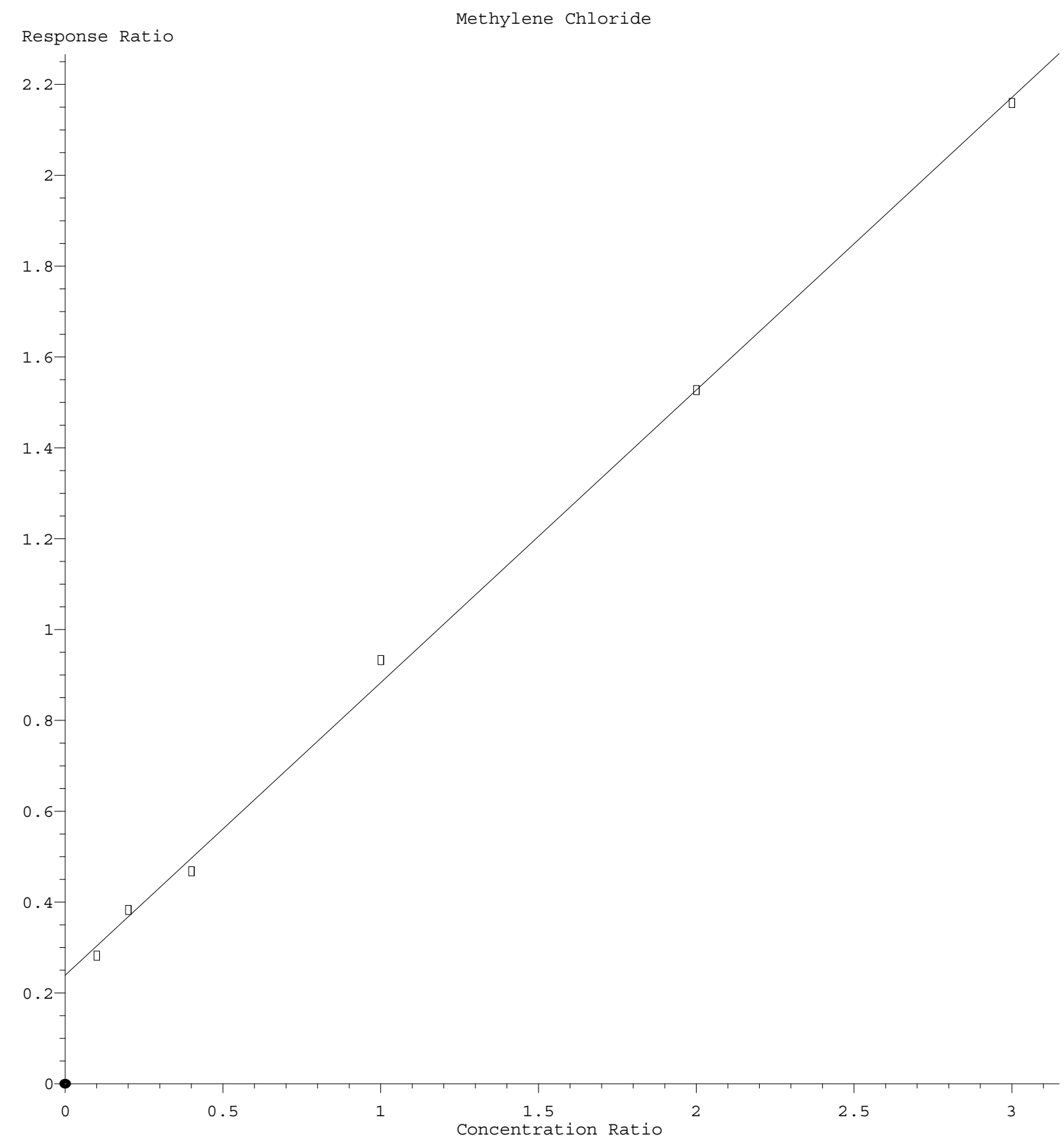

Response = 6.441e-001 * Amt + 2.393e-001
Coef of Det (r^2) = 0.998527 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
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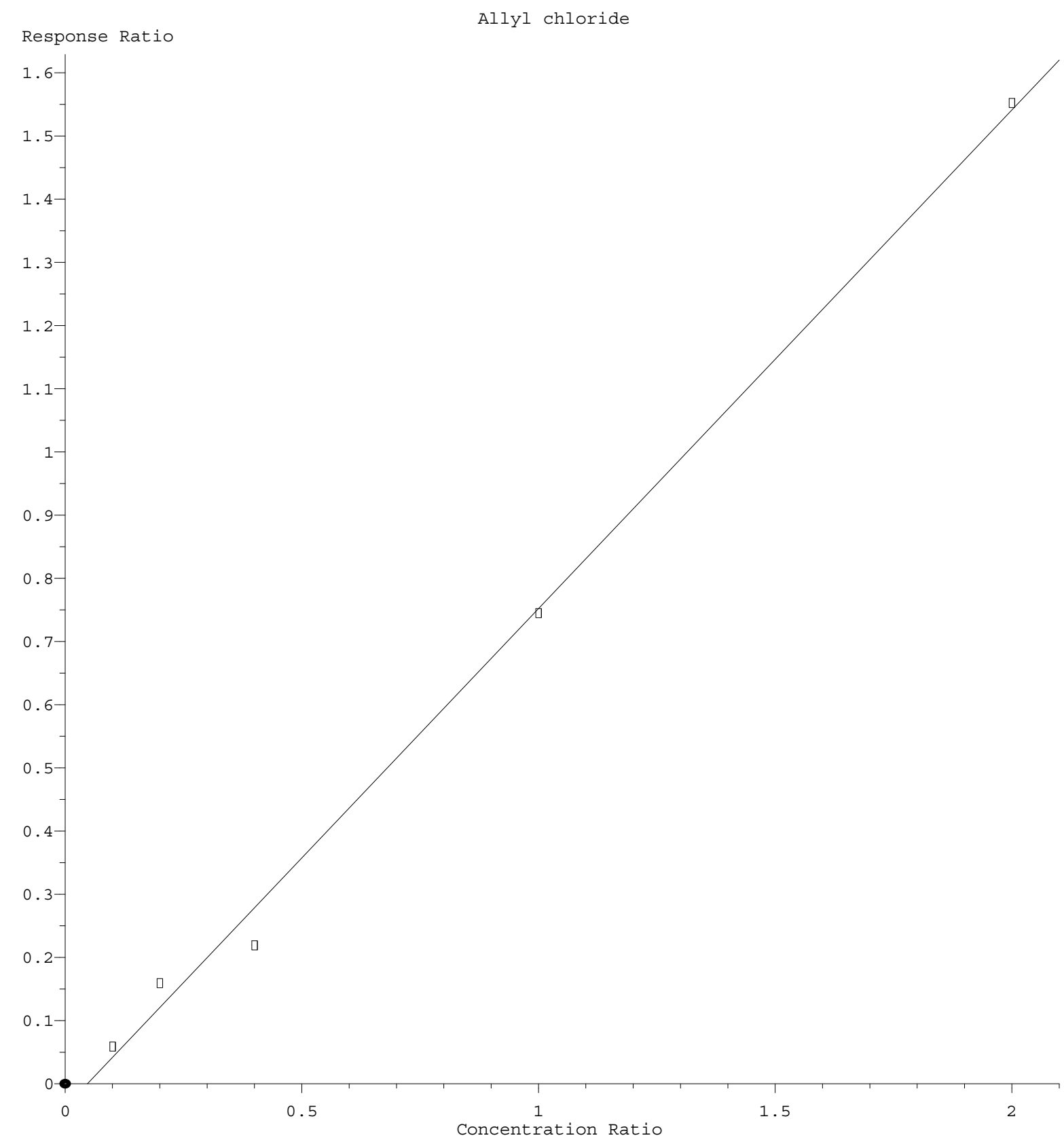

Response = 7.893e-001 * Amt - 3.732e-002
Coef of Det (r^2) = 0.996445 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
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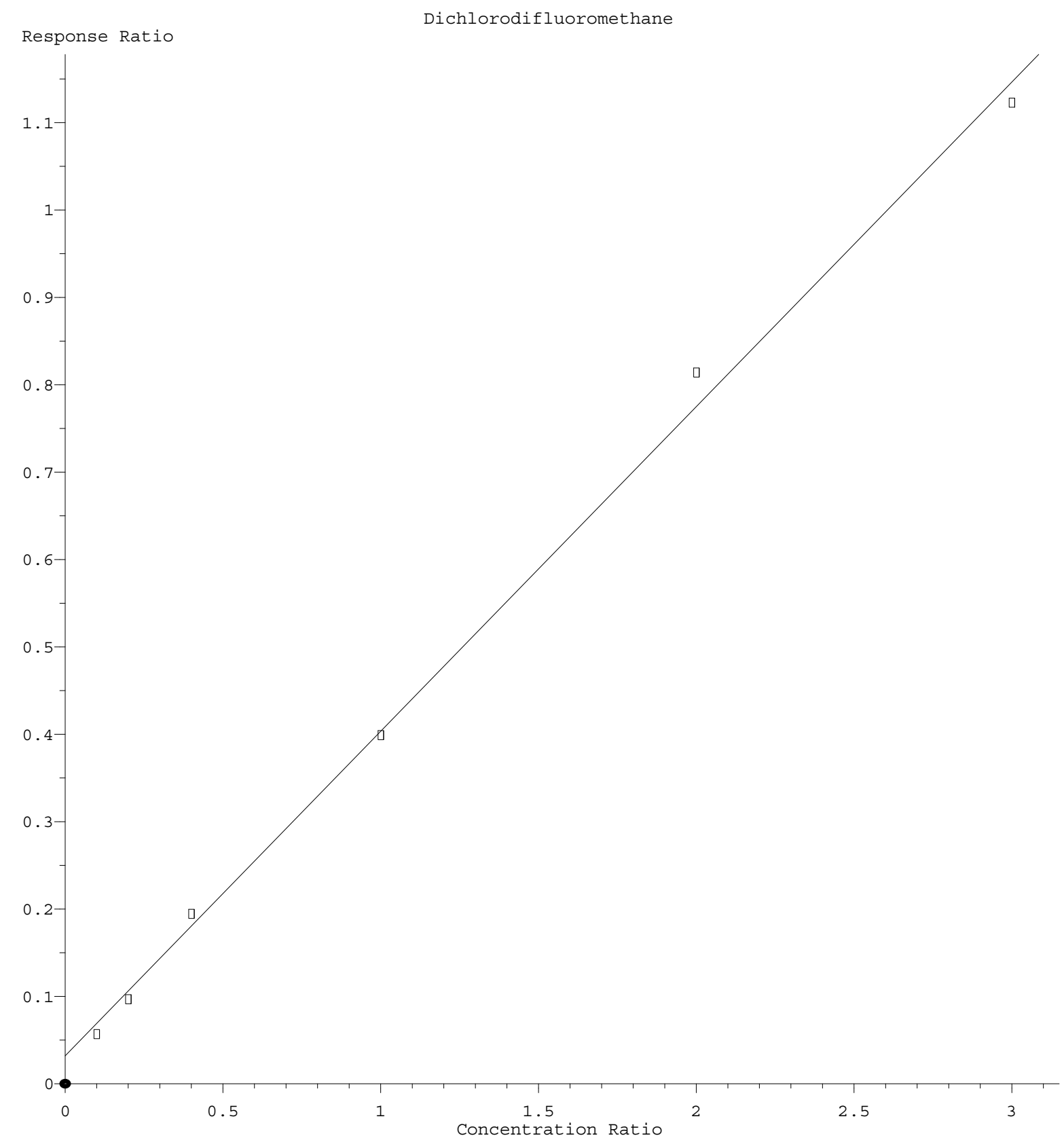

Response = 3.718e-001 * Amt + 3.217e-002
Coef of Det (r^2) = 0.997282 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
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