

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D101922S.M
 Title : SW846 8260
 Last Update : Thu Oct 20 06:41:20 2022
 Response Via : Initial Calibration

Calibration Files

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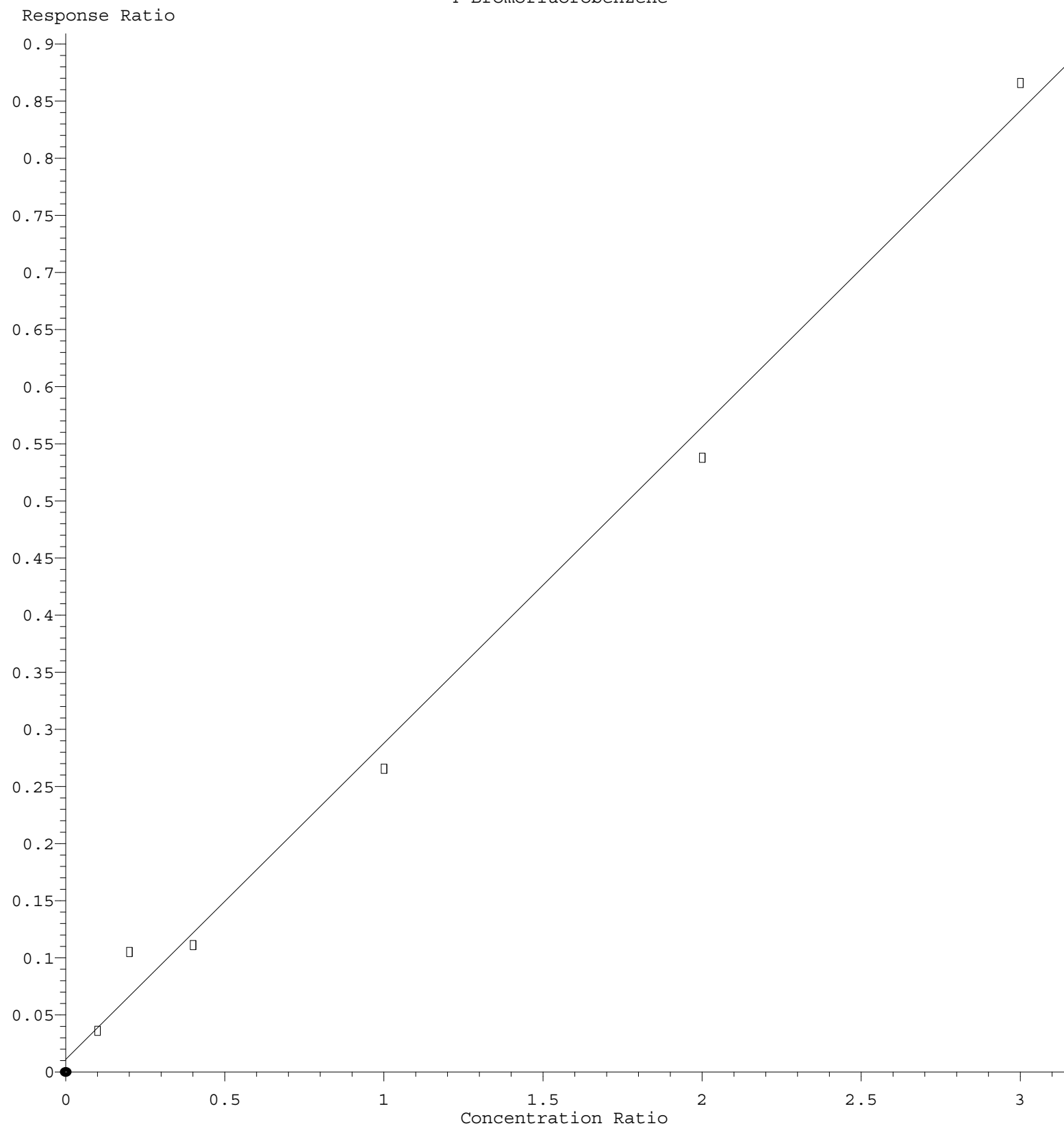
	Compound	10	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.407	0.456	0.397	0.372	0.348	0.349	0.388	10.64
3) P	Chloromethane	0.589	0.626	0.510	0.518	0.456	0.455	0.525	13.26
4) C	Vinyl Chloride	0.592	0.624	0.573	0.585	0.552	0.560	0.581	4.47#
5) T	Bromomethane	0.447	0.527	0.491	0.391	0.389	0.394	0.440	13.39
6) T	Chloroethane	0.421	0.397	0.405	0.401	0.385	0.388	0.399	3.26
7) T	Trichlorofluor...	0.844	0.877	0.839	0.798	0.786	0.797	0.824	4.29
8) T	Diethyl Ether	0.245	0.219	0.243	0.255	0.235	0.234	0.238	5.16
9) T	1,1,2-Trichlor...	0.556	0.532	0.561	0.529	0.497	0.511	0.531	4.66
10) T	Methyl Iodide	0.462	0.484	0.565	0.670	0.713	0.737	0.605	19.57
11) T	Tert butyl alc...	0.080	0.148	0.065	0.038	0.029	0.027	0.064	71.46
12) CM	1,1-Dichloroet...	0.531	0.544	0.553	0.532	0.507	0.520	0.531	3.09#
13) T	Acrolein	0.043	0.042	0.043	0.041	0.038	0.039	0.041	4.46
14) T	Allyl chloride	0.591	0.575	0.568	0.599	0.554	0.555	0.574	3.21
15) T	Acrylonitrile	0.094	0.095	0.101	0.103	0.096	0.096	0.097	3.74
16) T	Acetone	0.078	0.096	0.088	0.084	0.080	0.075	0.083	9.01
17) T	Carbon Disulfide	1.530	1.696	1.475	1.398	1.313	1.308	1.454	10.16
18) T	Methyl Acetate	0.246	0.347	0.257	0.235	0.211	0.218	0.252	19.62
19) T	Methyl tert-bu...	1.033	1.009	1.038	1.096	1.015	1.037	1.038	2.98
20) T	Methylene Chlo...	1.007	1.578	0.894	0.695	0.565	0.553	0.882	43.73
21) T	trans-1,2-Dich...	0.586	0.687	0.589	0.584	0.548	0.558	0.592	8.34
22) T	Diisopropyl ether	1.195	1.095	1.215	1.203	1.116	1.122	1.158	4.51
23) T	Vinyl Acetate	0.447	0.455	0.555	0.516	0.525	0.539	0.506	8.91
24) P	1,1-Dichloroet...	0.922	0.959	0.893	0.921	0.851	0.845	0.898	4.94
25) T	2-Butanone	0.112	0.132	0.115	0.110	0.100	0.100	0.111	10.71
26) T	2,2-Dichloropr...	0.904	0.997	0.854	0.821	0.787	0.791	0.859	9.38
27) T	cis-1,2-Dichlo...	0.667	0.689	0.647	0.670	0.630	0.638	0.657	3.36
28) T	Bromochloromet...	0.155	0.244	0.151	0.261	0.248	0.253	0.219	23.40
29) T	Tetrahydrofuran	0.060	0.061	0.060	0.064	0.059	0.060	0.061	2.55
30) C	Chloroform	0.994	1.032	0.973	0.972	0.918	0.912	0.967	4.73#
31) T	Cyclohexane	0.829	0.908	0.782	0.722	0.681	0.679	0.767	11.81
32) T	1,1,1-Trichlor...	0.924	0.938	0.891	0.879	0.831	0.856	0.887	4.54
33) S	1,2-Dichloroet...	0.426	0.470	0.373	0.362	0.330	0.330	0.382	14.67
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.408	0.349	0.276	0.264	0.260	0.280	0.306	19.47
36) T	1,1-Dichloropr...	0.451	0.447	0.458	0.436	0.427	0.476	0.449	3.82
37) T	Ethyl Acetate	0.138	0.137	0.144	0.144	0.138	0.149	0.142	3.36
38) T	Carbon Tetrach...	0.424	0.413	0.430	0.439	0.439	0.493	0.440	6.34
39) T	Methylcyclohexane	0.536	0.514	0.542	0.545	0.536	0.547	0.537	2.25
40) TM	Benzene	1.304	1.306	1.356	1.361	1.288	1.383	1.333	2.89
41) T	Methacrylonitrile	0.077	0.062	0.077	0.067	0.087	0.088	0.076	13.61
42) TM	1,2-Dichloroet...	0.315	0.317	0.305	0.312	0.297	0.300	0.308	2.71
43) T	Isopropyl Acetate	0.255	0.270	0.258	0.275	0.254	0.269	0.263	3.34
44) TM	Trichloroethene	0.387	0.412	0.391	0.391	0.385	0.377	0.391	2.96
45) C	1,2-Dichloropr...	0.303	0.310	0.265	0.298	0.290	0.289	0.293	5.33#
46) T	Dibromomethane	0.167	0.181	0.156	0.174	0.166	0.168	0.169	5.08
47) T	Bromodichlorom...	0.422	0.415	0.391	0.436	0.421	0.421	0.418	3.53
48) T	Methyl methacr...	0.115	0.121	0.118	0.122	0.123	0.124	0.120	2.88
49) T	1,4-Dioxane	0.001	0.001	0.002	0.002	0.002	0.002	0.002	12.82
50) S	Toluene-d8	0.970	1.257	0.933	1.001	0.888	0.955	1.001	13.08
51) T	4-Methyl-2-Pen...	0.129	0.131	0.127	0.139	0.126	0.133	0.131	3.63
52) CM	Toluene	0.824	0.806	0.813	0.870	0.769	0.851	0.822	4.30#
53) T	t-1,3-Dichloro...	0.351	0.373	0.355	0.385	0.343	0.397	0.367	5.74
54) T	cis-1,3-Dichlo...	0.452	0.468	0.434	0.478	0.467	0.480	0.463	3.79
55) T	1,1,2-Trichlor...	0.245	0.248	0.215	0.243	0.210	0.230	0.232	7.05
56) T	Ethyl methacry...	0.246	0.228	0.242	0.279	0.248	0.279	0.254	8.22

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57)	T	1,3-Dichloropr...	0.389	0.400	0.357	0.394	0.340	0.378	0.376	6.19
58)	T	2-Chloroethyl ...	0.028	0.062	0.042	0.056	0.070	0.078	0.056	32.65
59)	T	2-Hexanone	0.088	0.089	0.088	0.095	0.084	0.093	0.089	4.23
60)	T	Dibromochlorom...	0.262	0.304	0.266	0.300	0.256	0.289	0.280	7.40
61)	T	1,2-Dibromoethane	0.192	0.231	0.212	0.225	0.199	0.212	0.212	7.04
62)	S	4-Bromofluorob...	0.525	0.361	0.278	0.265	0.269	0.289	0.331	30.60
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.392	0.411	0.367	0.356	0.347	0.346	0.370	7.16
65)	PM	Chlorobenzene	1.075	1.060	1.044	1.064	1.037	1.038	1.053	1.48
66)	T	1,1,1,2-Tetrac...	0.343	0.360	0.364	0.368	0.366	0.370	0.362	2.75
67)	C	Ethyl Benzene	1.822	1.763	1.849	1.823	1.873	1.874	1.834	2.26#
68)	T	m/p-Xylenes	0.737	0.715	0.748	0.676	0.746	0.753	0.729	4.00
69)	T	o-Xylene	0.676	0.660	0.685	0.645	0.699	0.708	0.679	3.52
70)	T	Styrene	1.149	1.057	1.176	1.093	1.192	1.190	1.143	4.90
71)	P	Bromoform	0.190	0.198	0.194	0.177	0.190	0.191	0.190	3.77
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.953	3.534	4.002	4.008	3.936	3.963	3.899	4.64
74)	T	N-amyl acetate	0.576	0.511	0.594	0.601	0.584	0.592	0.576	5.75
75)	P	1,1,2,2-Tetrac...	0.637	0.602	0.644	0.628	0.588	0.604	0.617	3.60
76)	T	1,2,3-Trichlor...	0.419	0.425	0.527	0.493	0.376	0.379	0.437	14.06
77)	T	Bromobenzene	0.884	0.843	0.864	0.922	0.886	0.882	0.880	2.98
78)	T	n-propylbenzene	4.681	4.246	4.799	4.697	4.594	4.634	4.608	4.14
79)	T	2-Chlorotoluene	2.577	2.416	2.560	2.525	2.448	2.454	2.497	2.65
80)	T	1,3,5-Trimethy...	3.217	2.934	3.263	3.189	3.164	3.226	3.165	3.74
81)	T	trans-1,4-Dich...	0.172	0.149	0.186	0.164	0.175	0.180	0.171	7.70
82)	T	4-Chlorotoluene	2.705	2.484	2.626	2.570	2.491	2.513	2.565	3.40
83)	T	tert-Butylbenzene	2.808	2.594	2.864	2.857	2.882	2.938	2.824	4.26
84)	T	1,2,4-Trimethy...	3.190	2.816	3.158	3.224	3.102	3.201	3.115	4.90
85)	T	sec-Butylbenzene	4.284	3.974	4.321	4.327	4.169	4.350	4.238	3.40
86)	T	p-Isopropyltol...	3.556	3.109	3.607	3.647	3.631	3.750	3.550	6.35
87)	T	1,3-Dichlorobe...	1.930	1.708	1.840	1.834	1.798	1.862	1.829	4.01
88)	T	1,4-Dichlorobe...	1.849	1.831	1.785	1.775	1.734	1.768	1.790	2.38
89)	T	n-Butylbenzene	3.237	2.989	3.245	3.344	3.264	3.327	3.234	3.96
90)	T	Hexachloroethane	0.616	0.583	0.620	0.619	0.620	0.649	0.618	3.36
91)	T	1,2-Dichlorobe...	1.586	1.467	1.547	1.542	1.499	1.513	1.526	2.74
92)	T	1,2-Dibromo-3-...	0.084	0.080	0.094	0.087	0.083	0.084	0.085	5.62
93)	T	1,2,4-Trichlor...	0.935	0.962	1.009	1.019	1.050	1.064	1.006	4.98
94)	T	Hexachlorobuta...	0.556	0.526	0.543	0.563	0.558	0.577	0.554	3.16
95)	T	Naphthalene	1.762	1.758	1.899	1.934	1.970	2.045	1.894	6.06
96)	T	1,2,3-Trichlor...	0.826	0.802	0.855	0.896	0.888	0.909	0.863	4.91

(#) = Out of Range

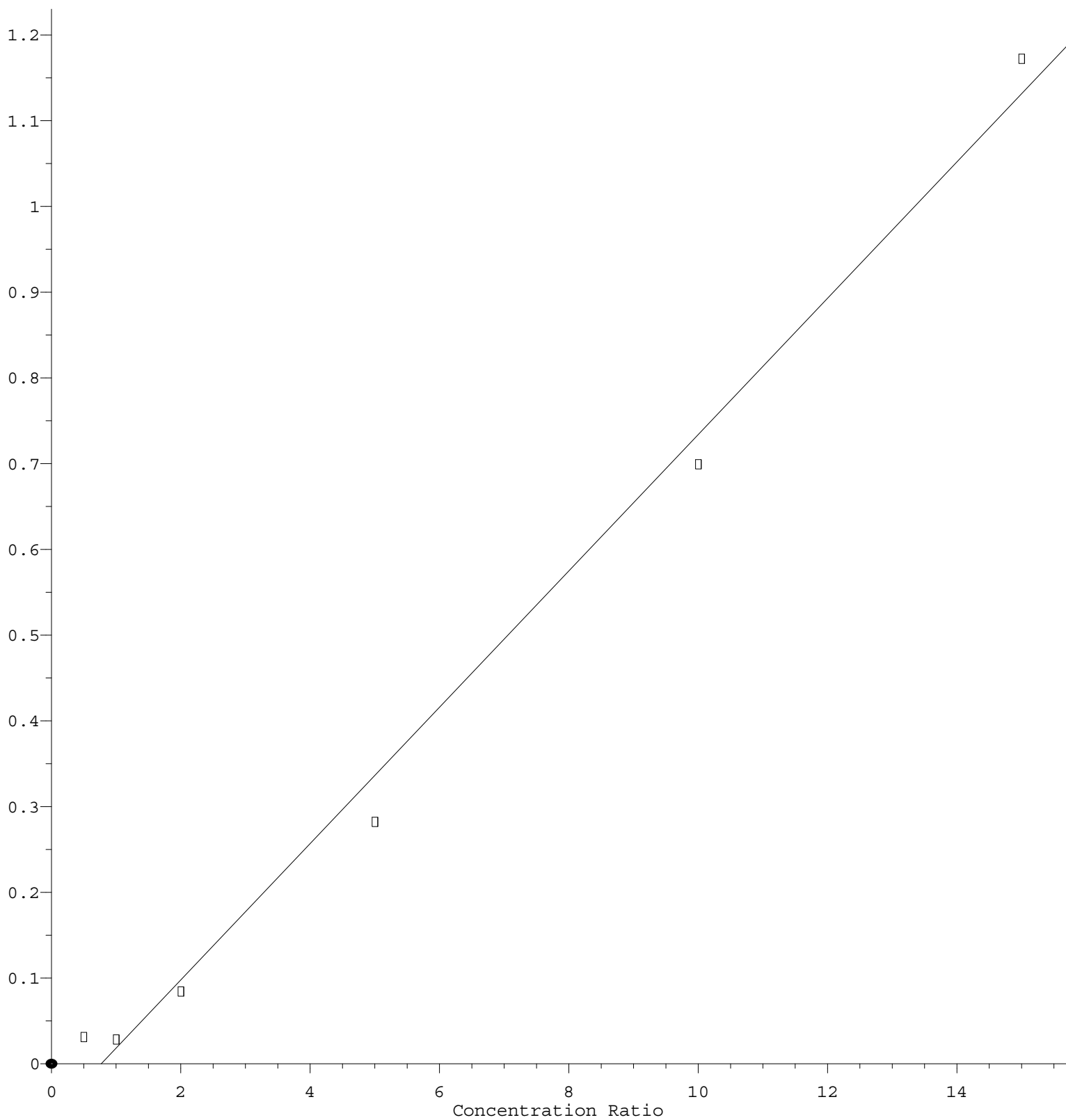
4-Bromofluorobenzene



Response = 2.767e-001 * Amt + 1.115e-002
Coef of Det (r^2) = 0.993382 Curve Fit: Linear
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2-Chloroethyl Vinyl ether

Response Ratio



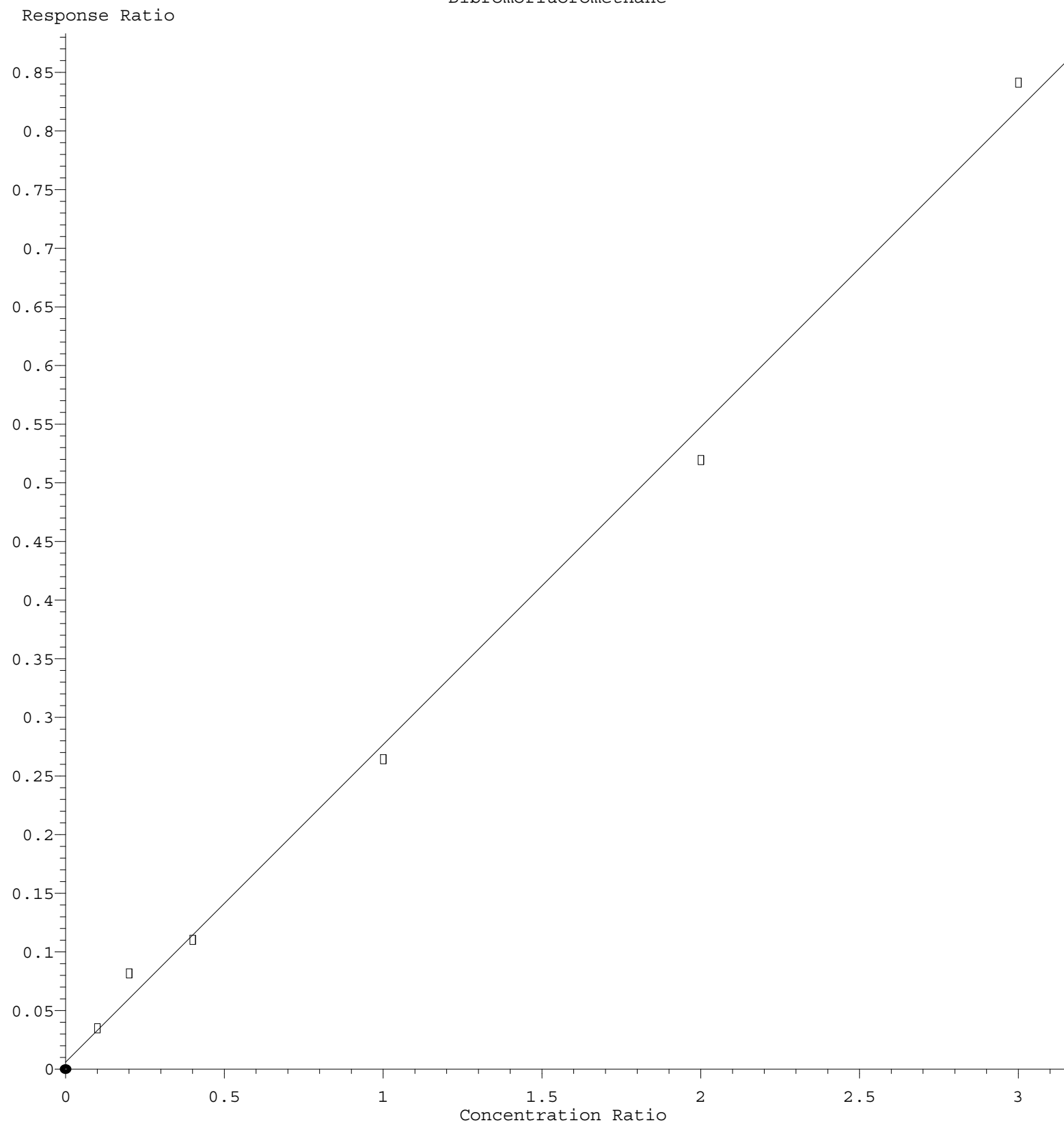
$$\text{Response} = 7.949\text{e-}002 * \text{Amt} - 6.096\text{e-}002$$

Coef of Det (r^2) = 0.991750 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D101922S.M

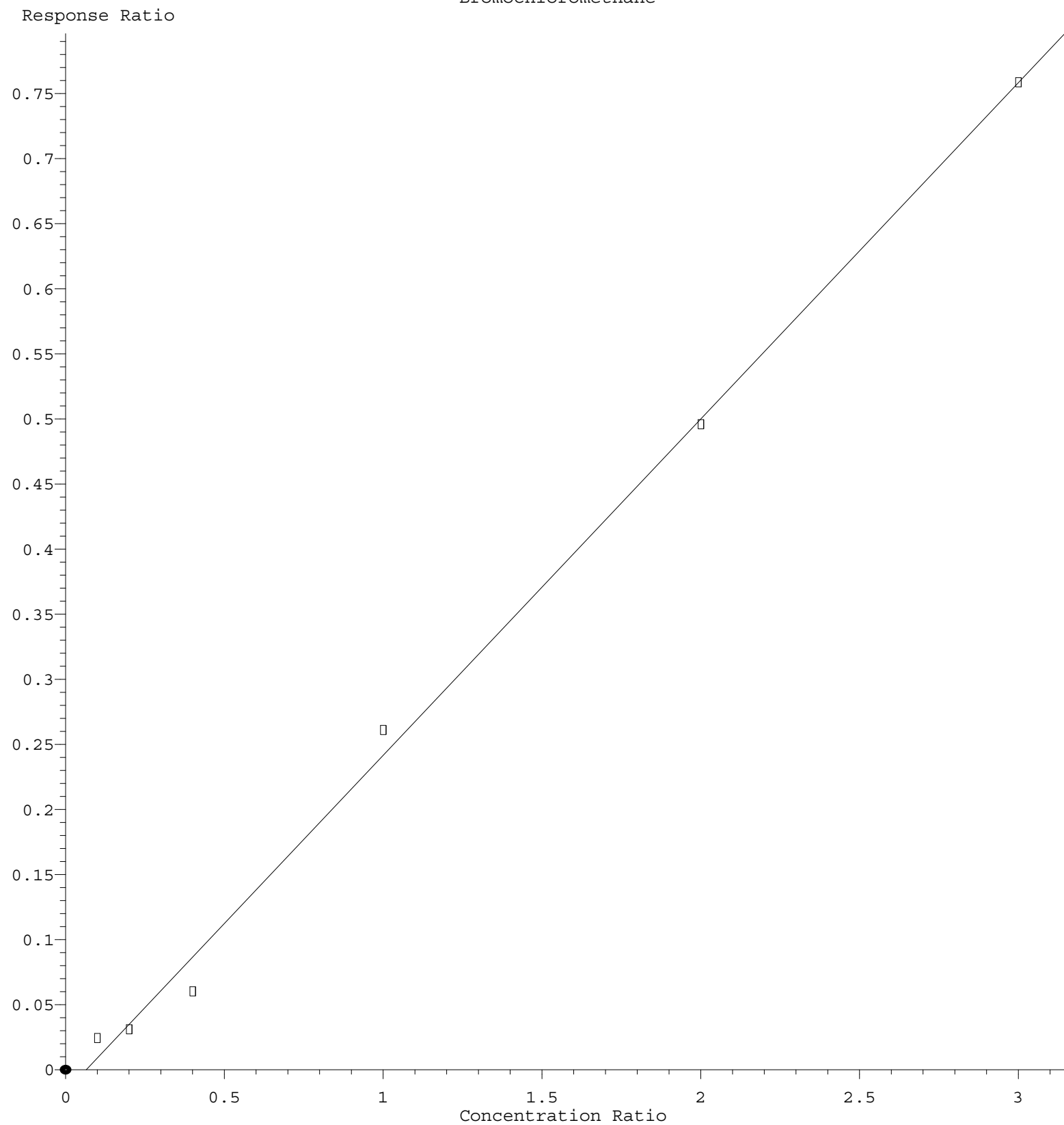
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Dibromofluoromethane



Response = 2.709e-001 * Amt + 6.101e-003
 Coef of Det (r^2) = 0.996059 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D101922S.M
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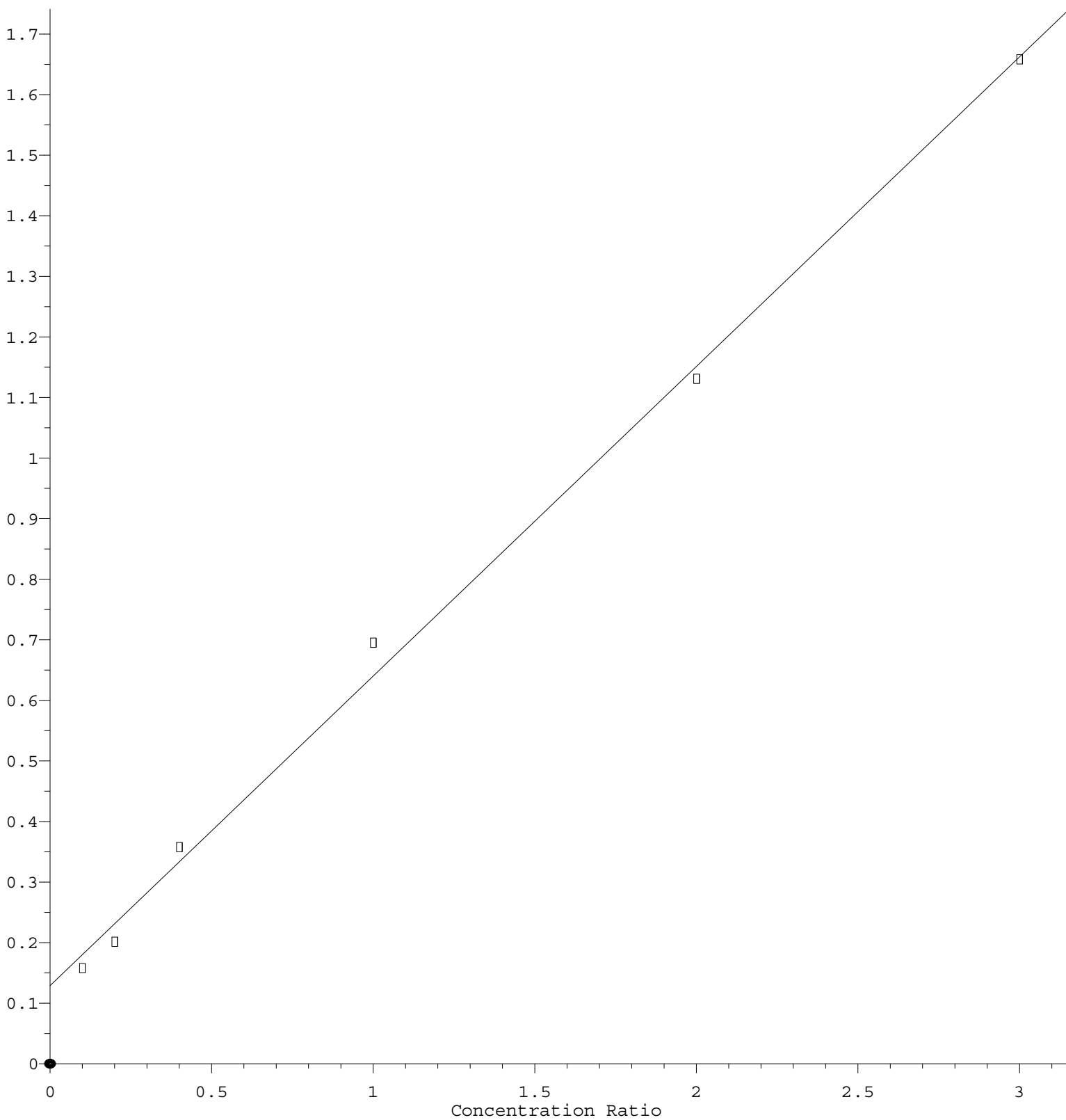
Bromochloromethane



Response = 2.586e-001 * Amt - 1.688e-002
 Coef of Det (r^2) = 0.997037 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D101922S.M
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Methylene Chloride

Response Ratio



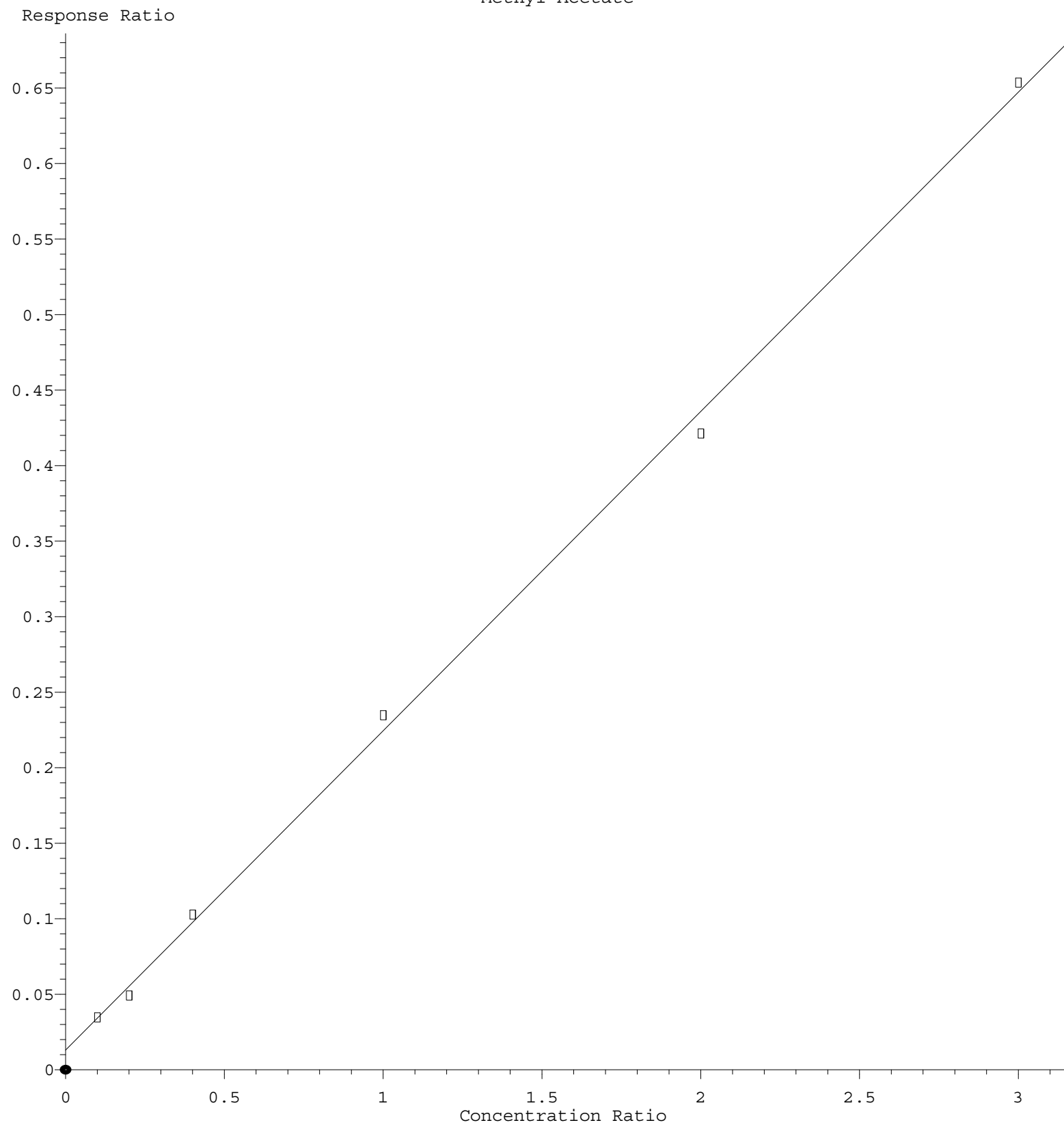
$$\text{Response} = 5.112\text{e-}001 * \text{Amt} + 1.293\text{e-}001$$

Coef of Det (r^2) = 0.996927 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D101922S.M

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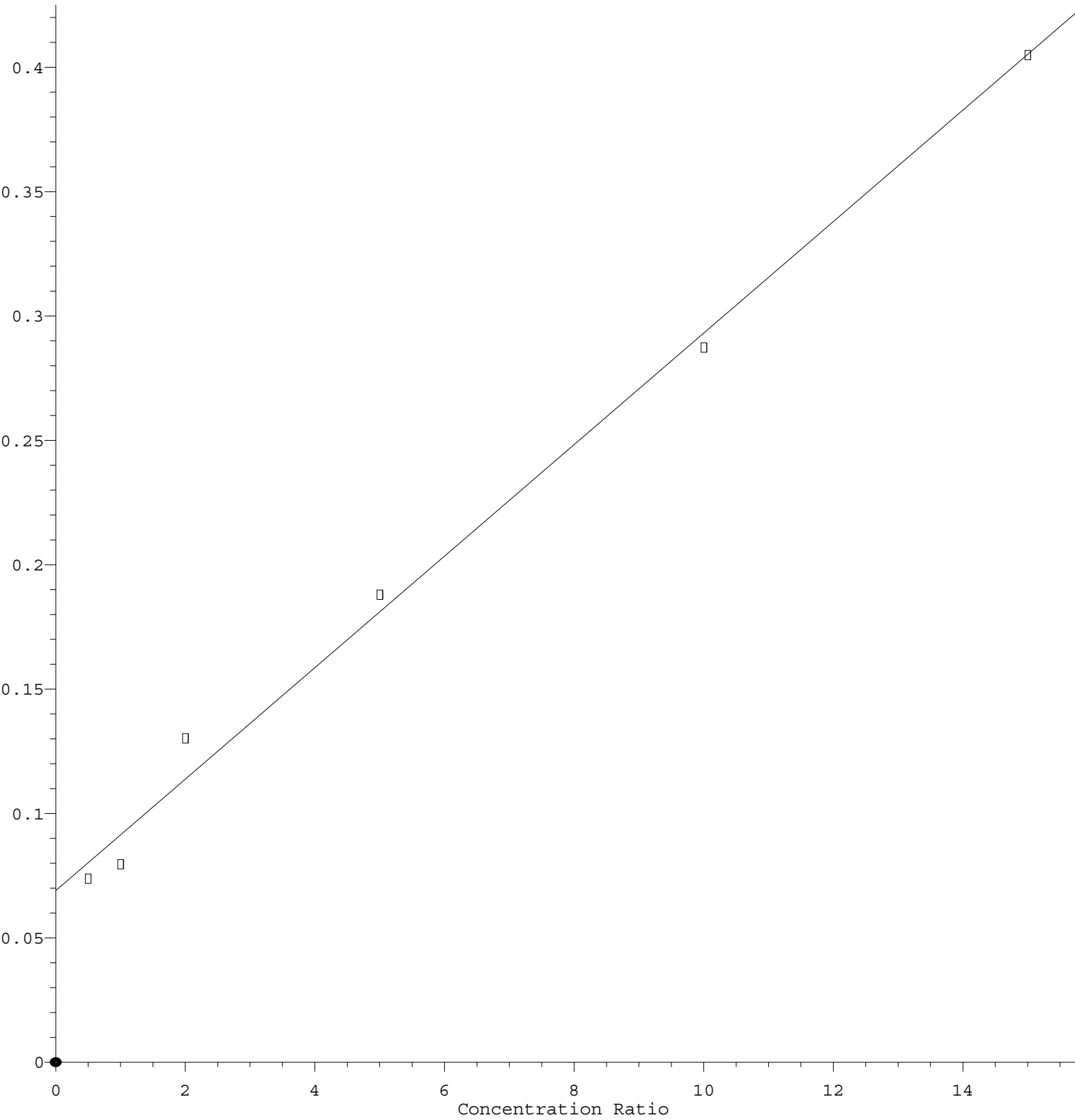
Methyl Acetate



Response = $2.113 \times 10^{-1} \times \text{Amt} + 1.340 \times 10^{-2}$
Coef of Det (r^2) = 0.998591 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D101922S.M
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Tert butyl alcohol

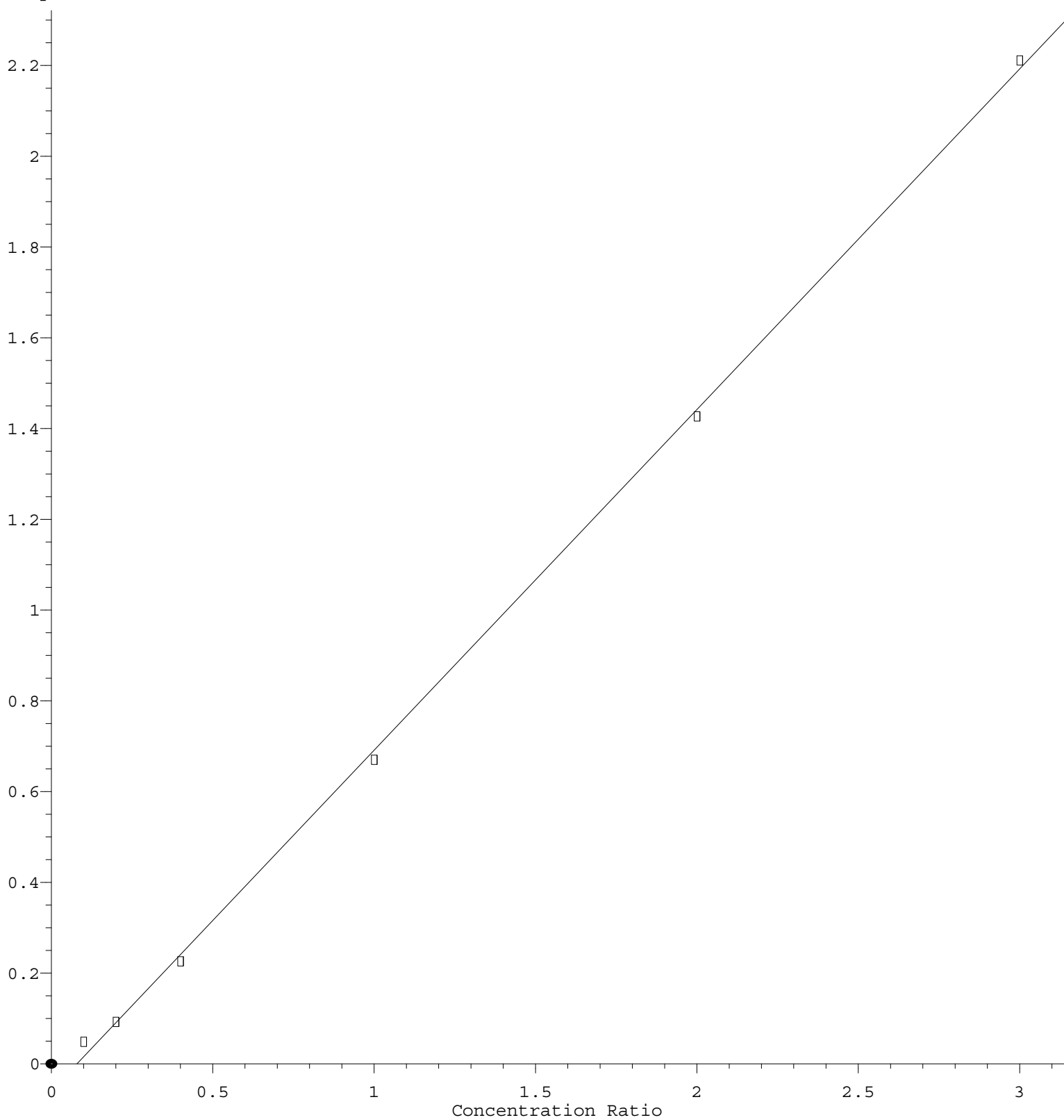
Response Ratio



Response = 2.238e-002 * Amt + 6.897e-002
 Coef of Det (r^2) = 0.993743 Curve Fit: Linear
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Methyl Iodide

Response Ratio



$$\text{Response} = 7.506\text{e-}001 * \text{Amt} - 5.914\text{e-}002$$

Coef of Det (r^2) = 0.999387 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D101922S.M

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