

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X061824W.M
 Title : SW846 8260
 Last Update : Wed Jun 19 07:57:22 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX041911.D 5 =VX041912.D 20 =VX041913.D 50 =VX041914.D 100 =VX041915.D 150 =VX041916.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.368	0.417	0.391	0.373	0.371	0.366	0.381	5.21
3) P	Chloromethane	0.489	0.534	0.492	0.462	0.446	0.444	0.478	7.22
4) C	Vinyl Chloride	0.476	0.520	0.495	0.464	0.458	0.461	0.479	5.07#
5) T	Bromomethane	0.236	0.232	0.233	0.238	0.243	0.237		1.96
6) T	Chloroethane	0.341	0.283	0.231	0.207	0.196	0.189	0.241	24.81
7) T	Trichlorofluor...	0.658	0.740	0.617	0.591	0.575	0.584	0.628	10.02
8) T	Diethyl Ether	0.283	0.316	0.305	0.288	0.285	0.291	0.295	4.48
9) T	1,1,2-Trichlor...	0.434	0.456	0.444	0.423	0.421	0.417	0.432	3.53
10) T	Methyl Iodide	0.585	0.567	0.528	0.511	0.496	0.537		7.03
11) T	Tert butyl alc...	0.100	0.094	0.111	0.119	0.123	0.109		11.23
12) CM	1,1-Dichloroet...	0.394	0.456	0.451	0.427	0.430	0.430	0.431	5.07#
13) T	Acrolein	0.124	0.122	0.122	0.123	0.122	0.123		0.74
14) T	Allyl chloride	0.639	0.736	0.688	0.691	0.679	0.670	0.684	4.59
15) T	Acrylonitrile	0.254	0.301	0.282	0.294	0.293	0.292	0.286	5.82
16) T	Acetone	0.316	0.265	0.234	0.231	0.237	0.234	0.253	13.20
17) T	Carbon Disulfide	0.830	0.935	0.883	0.818	0.887	0.924	0.879	5.43
18) T	Methyl Acetate	0.611	0.689	0.674	0.733	0.724	0.713	0.691	6.47
19) T	Methyl tert-bu...	1.238	1.480	1.461	1.452	1.446	1.473	1.425	6.50
20) T	Methylene Chlo...	0.695	0.605	0.541	0.502	0.490	0.493	0.554	14.67
21) T	trans-1,2-Dich...	0.420	0.448	0.462	0.429	0.433	0.434	0.438	3.44
22) T	Diisopropyl ether	1.285	1.504	1.507	1.472	1.444	1.462	1.446	5.69
23) T	Vinyl Acetate	0.991	1.239	1.325	1.288	1.281	1.283	1.235	9.90
24) P	1,1-Dichloroet...	0.721	0.857	0.847	0.812	0.805	0.815	0.810	5.92
25) T	2-Butanone	0.358	0.399	0.399	0.405	0.402	0.401	0.394	4.53
26) T	2,2-Dichloropr...	0.546	0.593	0.602	0.587	0.592	0.597	0.586	3.47
27) T	cis-1,2-Dichlo...	0.503	0.554	0.571	0.553	0.550	0.558	0.548	4.28
28) T	Bromochloromet...	0.311	0.397	0.394	0.332	0.320	0.327	0.347	11.05
29) T	Tetrahydrofuran	0.216	0.257	0.264	0.264	0.265	0.260	0.254	7.40
30) C	Chloroform	0.774	0.887	0.874	0.842	0.839	0.843	0.843	4.66#
31) T	Cyclohexane	0.714	0.704	0.650	0.652	0.651	0.674		4.73
32) T	1,1,1-Trichlor...	0.589	0.723	0.727	0.715	0.731	0.743	0.705	8.18
33) S	1,2-Dichloroet...	0.709	0.577	0.543	0.533	0.521	0.577		13.35
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.409	0.355	0.338	0.339	0.333	0.355		8.92
36) T	1,1-Dichloropr...	0.366	0.387	0.391	0.362	0.378	0.377	0.377	2.98
37) T	Ethyl Acetate	0.372	0.527	0.523	0.506	0.510	0.507	0.491	11.96
38) T	Carbon Tetrach...	0.379	0.413	0.421	0.412	0.432	0.439	0.416	5.03
39) T	Methylcyclohexane	0.443	0.484	0.515	0.459	0.482	0.476	0.476	5.20
40) TM	Benzene	1.187	1.347	1.356	1.238	1.252	1.244	1.271	5.25
41) T	Methacrylonitrile	0.216	0.263	0.277	0.276	0.284	0.280	0.266	9.52
42) TM	1,2-Dichloroet...	0.372	0.433	0.432	0.406	0.408	0.404	0.409	5.51
43) T	Isopropyl Acetate	0.646	0.760	0.766	0.764	0.790	0.794	0.753	7.25
44) TM	Trichloroethene	0.292	0.358	0.365	0.337	0.348	0.344	0.341	7.51
45) C	1,2-Dichloropr...	0.281	0.322	0.328	0.313	0.317	0.313	0.312	5.23#
46) T	Dibromomethane	0.202	0.233	0.239	0.229	0.233	0.230	0.228	5.80
47) T	Bromodichlorom...	0.370	0.401	0.420	0.427	0.444	0.445	0.418	6.85
48) T	Methyl methacr...	0.256	0.353	0.378	0.381	0.395	0.394	0.360	14.72
49) T	1,4-Dioxane	0.006	0.009	0.009	0.009	0.010	0.010	0.009	16.60
50) S	Toluene-d8	1.410	1.269	1.191	1.199	1.163	1.246		7.98
51) T	4-Methyl-2-Pen...	0.434	0.528	0.541	0.541	0.545	0.525	0.519	8.14
52) CM	Toluene	0.699	0.849	0.865	0.812	0.820	0.809	0.809	7.20#
53) T	t-1,3-Dichloro...	0.304	0.369	0.419	0.429	0.465	0.469	0.409	15.39
54) T	cis-1,3-Dichlo...	0.334	0.436	0.479	0.481	0.505	0.510	0.458	14.38
55) T	1,1,2-Trichlor...	0.284	0.356	0.354	0.346	0.347	0.336	0.337	8.03

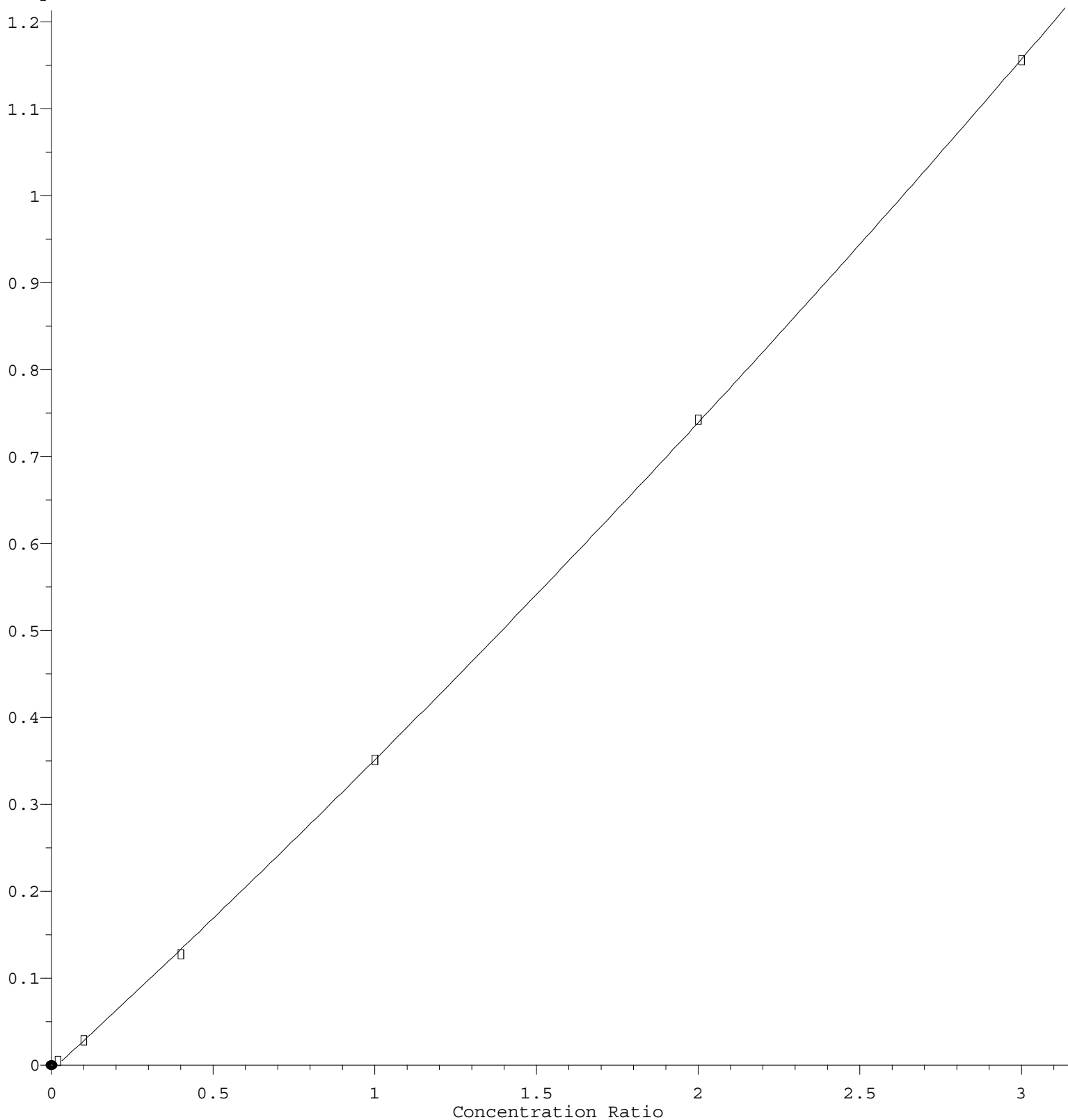
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 Method File : 82X061824W.M

56)	T	Ethyl methacry...	0.383	0.500	0.538	0.562	0.585	0.579	0.524	14.50
57)	T	1,3-Dichloropr...	0.479	0.575	0.568	0.552	0.554	0.540	0.545	6.32
58)	T	2-Chloroethyl ...	0.185	0.243	0.267	0.263	0.254	0.254	0.244	12.36
59)	T	2-Hexanone	0.312	0.397	0.418	0.420	0.425	0.412	0.397	10.79
60)	T	Dibromochlorom...	0.284	0.339	0.365	0.387	0.411	0.411	0.366	13.30
61)	T	1,2-Dibromoethane	0.301	0.352	0.370	0.355	0.362	0.357	0.350	7.08
62)	S	4-Bromofluorob...	0.461	0.450	0.459	0.467	0.459	0.459		1.33
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.360	0.388	0.387	0.345	0.348	0.358	0.364	5.15
65)	PM	Chlorobenzene	0.985	1.099	1.080	1.017	1.026	1.033	1.040	4.07
66)	T	1,1,1,2-Tetrac...	0.309	0.366	0.368	0.375	0.379	0.387	0.364	7.68
67)	C	Ethyl Benzene	1.439	1.650	1.714	1.642	1.660	1.672	1.630	5.93#
68)	T	m/p-Xylenes	0.581	0.670	0.703	0.660	0.665	0.669	0.658	6.20
69)	T	o-Xylene	0.544	0.664	0.695	0.663	0.667	0.674	0.651	8.26
70)	T	Styrene	0.855	1.059	1.164	1.147	1.158	1.171	1.092	11.30
71)	P	Bromoform	0.242	0.286	0.319	0.351	0.371	0.385	0.326	16.81
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.713	3.241	3.258	3.088	3.001	2.940	3.040	6.73
74)	T	N-amyl acetate	1.139	1.340	1.418	1.405	1.395	1.407	1.350	7.95
75)	P	1,1,2,2-Tetrac...	1.147	1.222	1.159	1.119	1.071	1.064	1.130	5.22
76)	T	1,2,3-Trichlor...	0.858	1.025	1.012	0.884	0.841	0.827	0.908	9.72
77)	T	Bromobenzene	0.850	0.955	0.960	0.910	0.882	0.875	0.905	4.92
78)	T	n-propylbenzene	2.859	3.376	3.530	3.408	3.329	3.291	3.299	6.99
79)	T	2-Chlorotoluene	1.995	2.286	2.256	2.119	2.057	2.037	2.125	5.66
80)	T	1,3,5-Trimethy...	2.192	2.648	2.744	2.594	2.527	2.489	2.532	7.48
81)	T	trans-1,4-Dich...	0.252	0.301	0.334	0.351	0.361	0.320		13.85
82)	T	4-Chlorotoluene	2.079	2.387	2.521	2.417	2.363	2.329	2.349	6.29
83)	T	tert-Butylbenzene	2.411	2.903	2.938	2.843	2.800	2.777	2.779	6.84
84)	T	1,2,4-Trimethy...	2.063	2.645	2.767	2.646	2.579	2.543	2.541	9.69
85)	T	sec-Butylbenzene	2.519	3.298	3.393	3.271	3.204	3.171	3.143	10.03
86)	T	p-Isopropyltol...	2.273	2.741	2.925	2.873	2.842	2.819	2.745	8.72
87)	T	1,3-Dichlorobe...	1.463	1.632	1.672	1.613	1.586	1.584	1.592	4.46
88)	T	1,4-Dichlorobe...	1.581	1.722	1.666	1.612	1.594	1.600	1.629	3.32
89)	T	n-Butylbenzene	1.688	1.969	2.195	2.219	2.293	2.317	2.113	11.46
90)	T	Hexachloroethane	0.400	0.457	0.455	0.480	0.499	0.513	0.467	8.58
91)	T	1,2-Dichlorobe...	1.469	1.732	1.724	1.644	1.600	1.601	1.629	5.96
92)	T	1,2-Dibromo-3-...	0.171	0.210	0.228	0.238	0.245	0.252	0.224	13.36
93)	T	1,2,4-Trichlor...	0.839	1.011	1.106	1.111	1.140	1.194	1.067	11.86
94)	T	Hexachlorobuta...	0.512	0.545	0.551	0.534	0.540	0.555	0.539	2.85
95)	T	Naphthalene	2.357	3.069	3.514	3.585	3.567	3.641	3.289	15.25
96)	T	1,2,3-Trichlor...	0.930	1.076	1.193	1.172	1.169	1.211	1.125	9.44

(#) = Out of Range

Bromoform

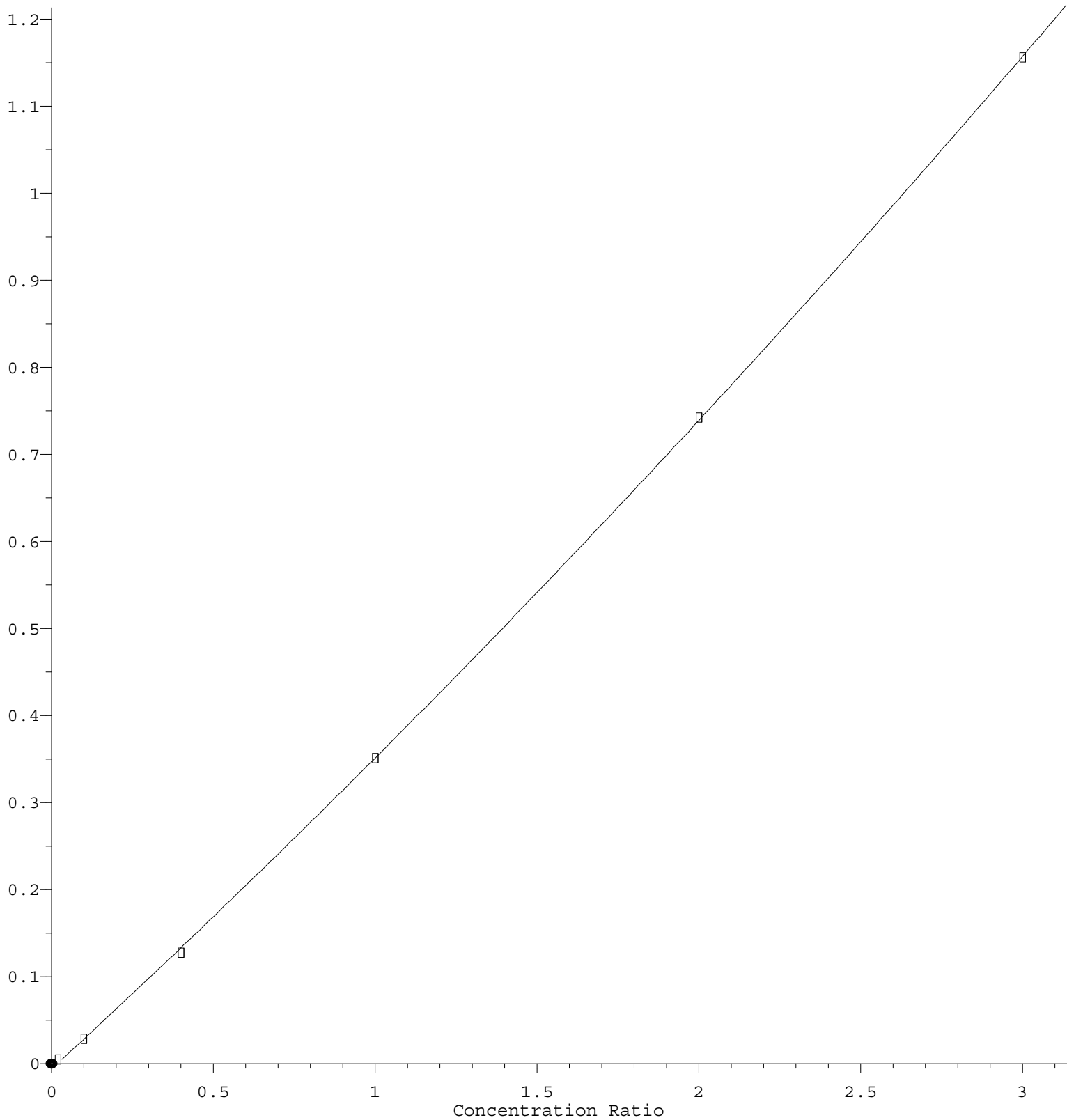
Response Ratio



$R = 1.522e-002 A^2 + 3.421e-001 A - 5.995e-003$
 Coef of Det (r^2) = 0.999942 Curve Fit: Quadratic
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Bromoform

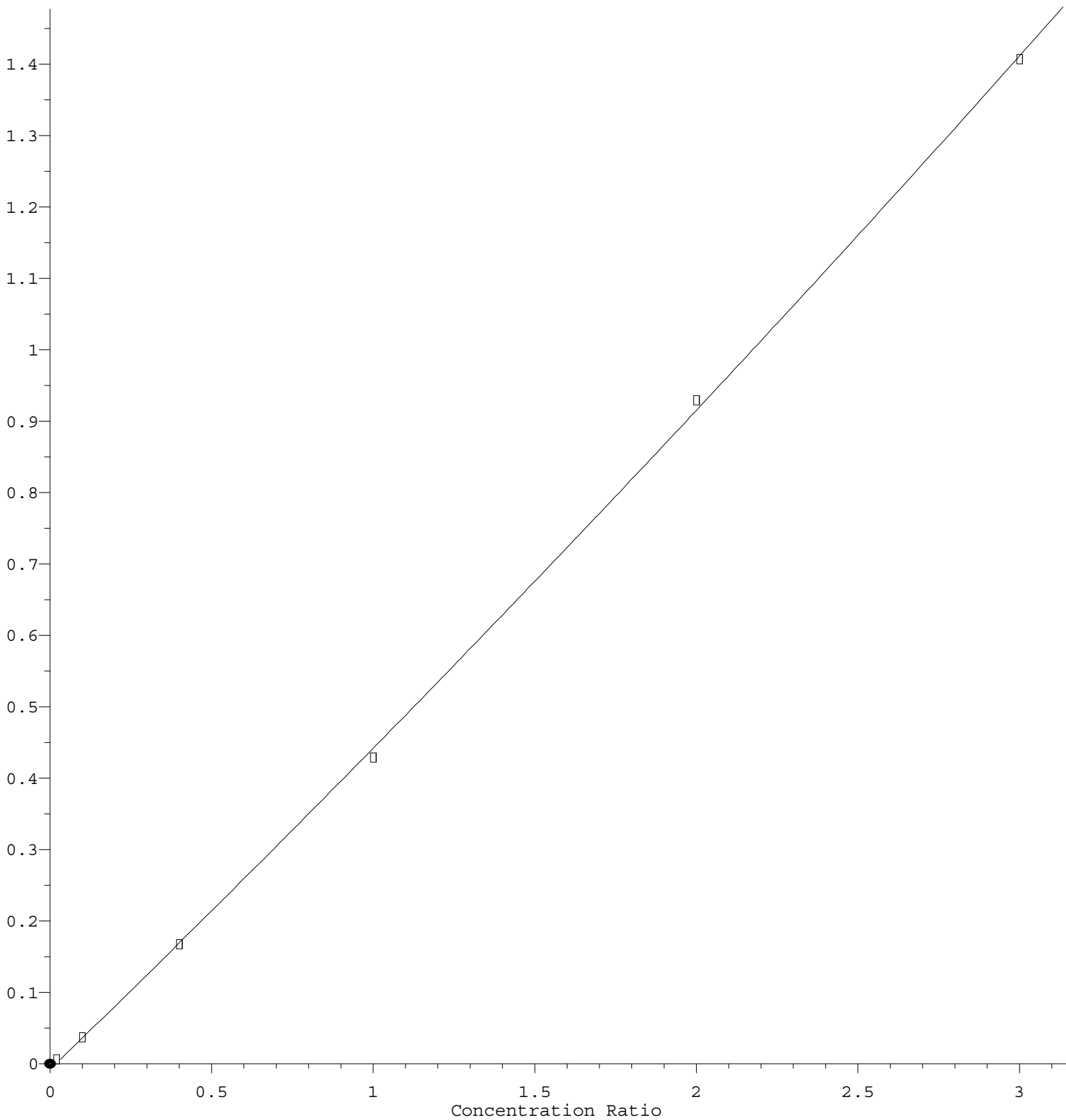
Response Ratio



$R = 1.522e-002 A^2 + 3.421e-001 A - 5.995e-003$
Coef of Det (r^2) = 0.999942 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061824W.M
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t-1,3-Dichloropropene

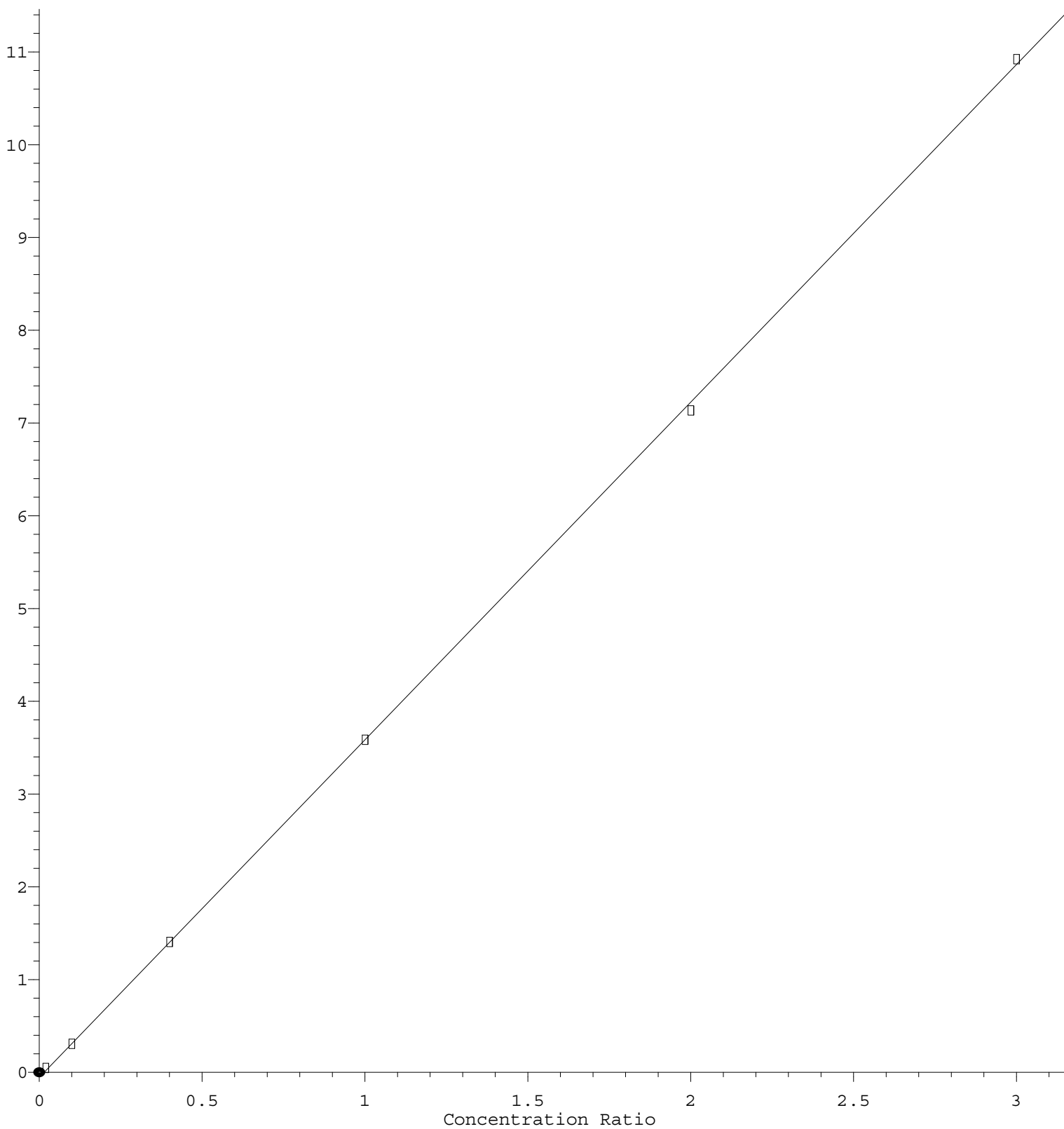
Response Ratio



$R = 1.164e-002 A^2 + 4.382e-001 A - 7.816e-003$
 Coef of Det (r^2) = 0.999732 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061824W.M
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Naphthalene

Response Ratio



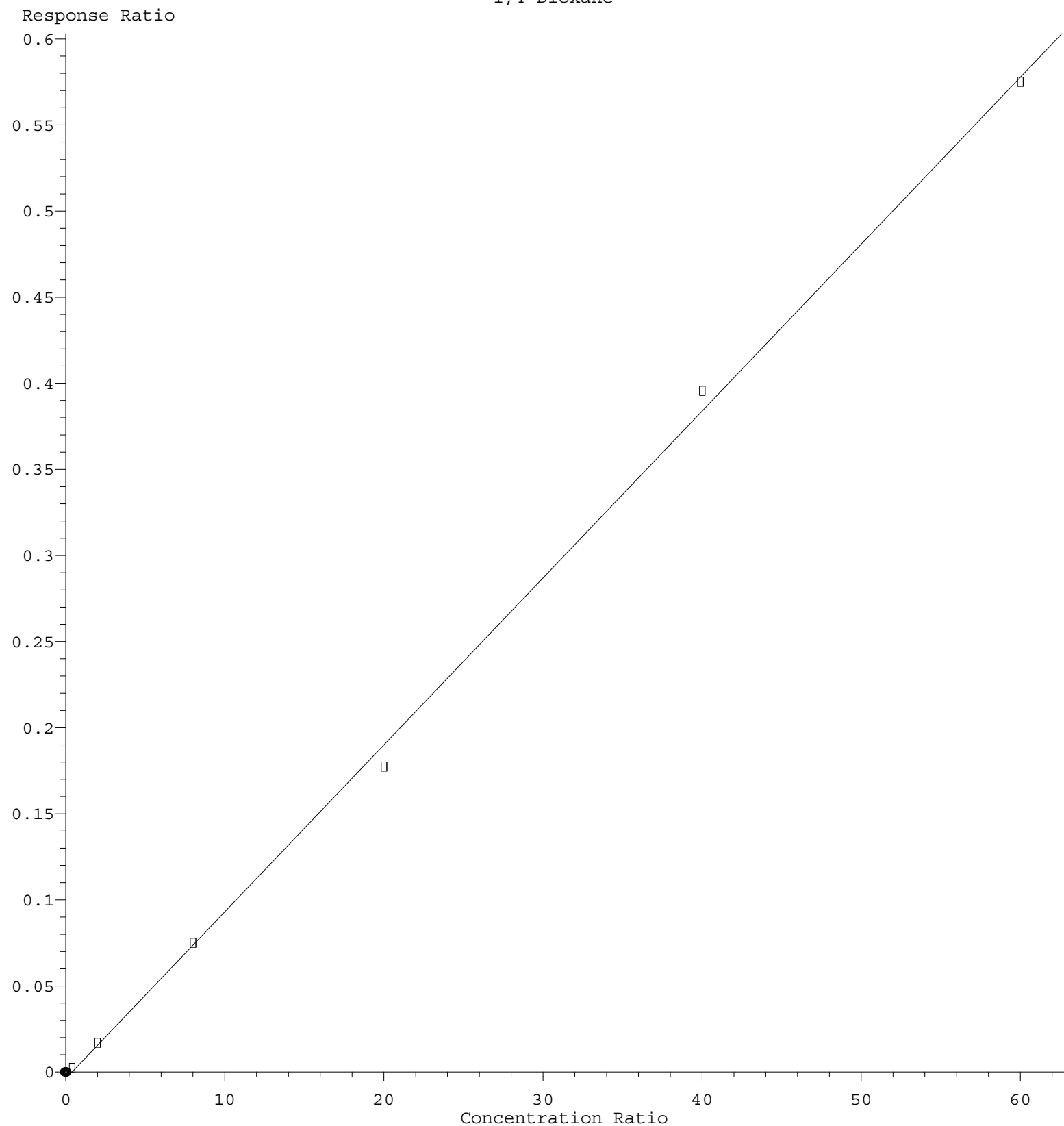
$$\text{Response} = 3.639\text{e}+000 * \text{Amt} - 5.443\text{e}-002$$

Coef of Det (r^2) = 0.999869 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061824W.M

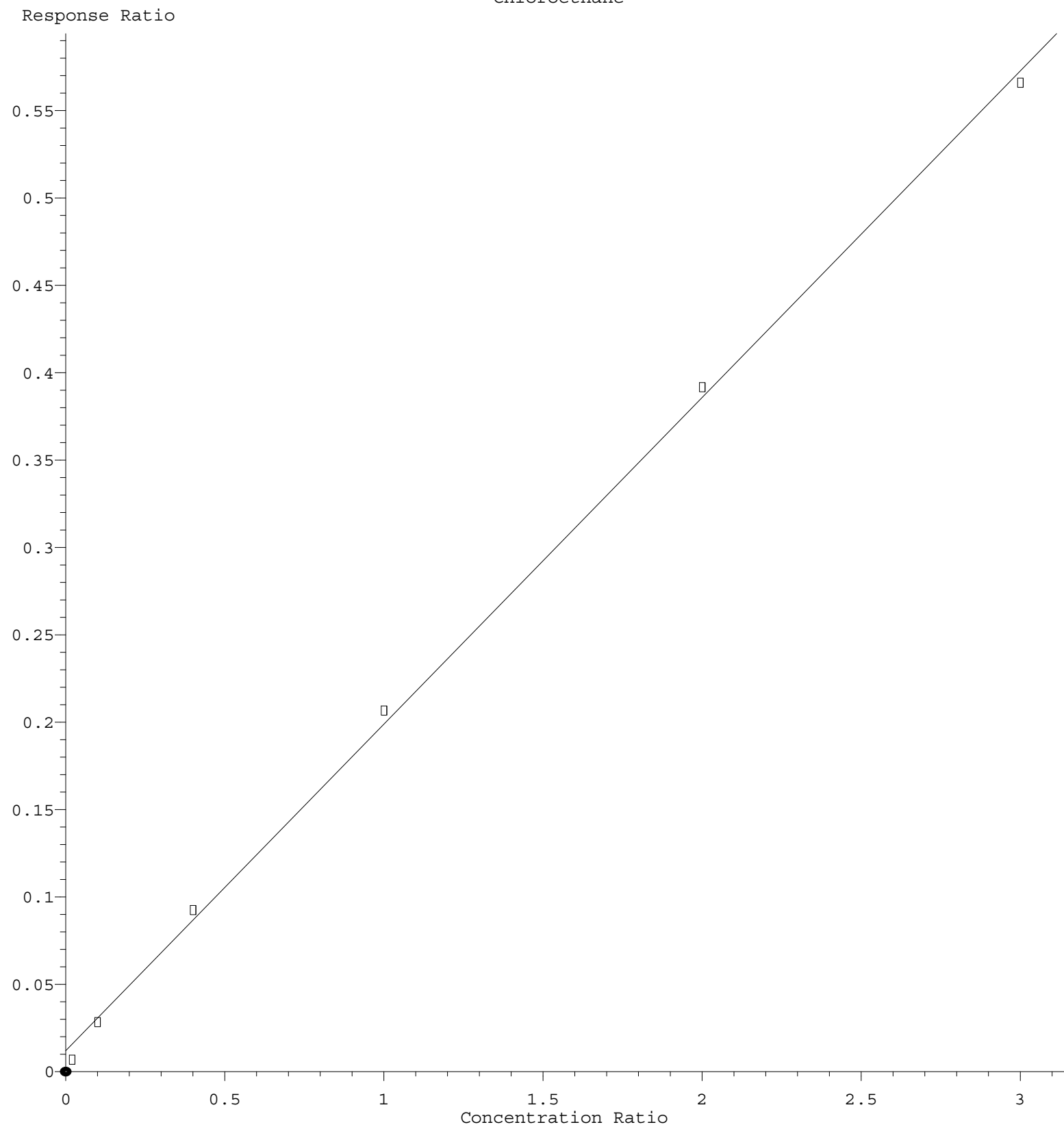
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1,4-Dioxane



Response = $9.706 \times 10^{-3} \times \text{Amt} - 3.869 \times 10^{-3}$
Coef of Det (r^2) = 0.998830 Curve Fit: Linear
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Chloroethane



Response = $1.869 \times 10^{-1} \times \text{Amt} + 1.227 \times 10^{-2}$
Coef of Det (r^2) = 0.998956 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061824W.M
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