

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D081224S.M
 Title : SW846 8260
 Last Update : Tue Aug 13 01:06:11 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD079703.D 10 =VD079704.D 20 =VD079705.D 50 =VD079706.D 100 =VD079707.D 150 =VD079708.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.633	0.562	0.595	0.385	0.376	0.393	0.491	24.17
3) P	Chloromethane	1.131	1.070	1.064	0.845	0.826	0.859	0.966	14.17
4) C	Vinyl Chloride	1.315	1.198	1.216	1.046	1.023	1.052	1.142	10.36#
5) T	Bromomethane	0.928	0.808	0.798	0.697	0.683	0.748	0.777	11.56
6) T	Chloroethane	0.868	0.806	0.824	0.726	0.717	0.735	0.779	7.95
7) T	Trichlorofluor...	1.144	1.071	1.112	0.943	0.907	0.949	1.021	9.81
8) T	Diethyl Ether	0.329	0.311	0.331	0.271	0.329	0.345	0.319	8.09
9) T	1,1,2-Trichlor...	0.697	0.597	0.644	0.560	0.540	0.569	0.601	9.81
10) T	Methyl Iodide	0.584	0.615	0.683	0.695	0.720	0.739	0.673	9.05
11) T	Tert butyl alc...	0.044	0.036	0.037	0.022	0.033	0.034	0.035	20.93
12) CM	1,1-Dichloroet...	0.646	0.599	0.660	0.617	0.615	0.634	0.628	3.60#
13) T	Acrolein	0.068	0.065	0.070	0.053	0.072	0.075	0.067	11.18
14) T	Allyl chloride	0.921	0.904	0.960	0.912	0.950	1.009	0.943	4.17
15) T	Acrylonitrile	0.149	0.147	0.151	0.121	0.156	0.157	0.147	8.98
16) T	Acetone	0.114	0.112	0.111	0.116	0.160	0.158	0.129	18.36
17) T	Carbon Disulfide	2.413	2.249	2.356	2.136	2.067	2.144	2.228	6.11
18) T	Methyl Acetate	0.420	0.454	0.417	0.297	0.380	0.384	0.392	13.75
19) T	Methyl tert-bu...	1.266	1.197	1.340	1.114	1.388	1.438	1.290	9.43
20) T	Methylene Chlo...	1.649	1.117	1.023	0.772	0.740	0.745	1.008	34.92
21) T	trans-1,2-Dich...	0.687	0.663	0.710	0.694	0.683	0.703	0.690	2.42
22) T	Diisopropyl ether	1.767	1.872	2.144	1.900	1.965	2.008	1.943	6.63
23) T	Vinyl Acetate	1.262	1.303	1.508	1.307	1.563	1.600	1.424	10.49
24) P	1,1-Dichloroet...	1.346	1.255	1.372	1.249	1.226	1.257	1.284	4.64
25) T	2-Butanone	0.178	0.166	0.169	0.146	0.202	0.201	0.177	12.19
26) T	2,2-Dichloropr...	1.153	0.979	1.009	0.983	0.967	0.994	1.014	6.83
27) T	cis-1,2-Dichlo...	0.818	0.776	0.827	0.768	0.796	0.818	0.800	3.03
28) T	Bromochloromet...	0.555	0.578	0.588	0.500	0.527	0.532	0.546	6.10
29) T	Tetrahydrofuran	0.102	0.107	0.113	0.083	0.120	0.119	0.108	12.87
30) C	Chloroform	1.338	1.300	1.268	1.179	1.186	1.212	1.247	5.20#
31) T	Cyclohexane	1.184	1.041	1.099	0.983	0.984	1.017	1.051	7.40
32) T	1,1,1-Trichlor...	1.109	1.037	1.035	1.012	0.983	1.014	1.032	4.12
33) S	1,2-Dichloroet...	0.591	0.599	0.606	0.472	0.582	0.601	0.575	8.90
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.312	0.316	0.317	0.268	0.315	0.321	0.308	6.50
36) T	1,1-Dichloropr...	0.458	0.452	0.505	0.485	0.480	0.487	0.478	4.12
37) T	Ethyl Acetate	0.233	0.214	0.240	0.165	0.224	0.221	0.216	12.24
38) T	Carbon Tetrach...	0.485	0.475	0.512	0.481	0.470	0.486	0.485	3.02
39) T	Methylcyclohexane	0.535	0.514	0.570	0.567	0.584	0.618	0.565	6.50
40) TM	Benzene	1.523	1.518	1.626	1.557	1.531	1.569	1.554	2.62
41) T	Methacrylonitrile	0.120	0.106	0.118	0.094	0.113	0.132	0.114	11.26
42) TM	1,2-Dichloroet...	0.373	0.351	0.382	0.329	0.360	0.359	0.359	5.09
43) T	Isopropyl Acetate	0.366	0.357	0.386	0.315	0.413	0.425	0.377	10.61
44) TM	Trichloroethene	0.339	0.329	0.346	0.343	0.342	0.348	0.341	1.98
45) C	1,2-Dichloropr...	0.391	0.371	0.404	0.370	0.379	0.381	0.382	3.36#
46) T	Dibromomethane	0.188	0.190	0.211	0.180	0.195	0.199	0.194	5.45
47) T	Bromodichlorom...	0.501	0.479	0.511	0.461	0.483	0.494	0.488	3.60
48) T	Methyl methacr...	0.144	0.153	0.185	0.156	0.200	0.204	0.173	14.85
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	13.49
50) S	Toluene-d8	1.199	1.229	1.334	1.186	1.371	1.410	1.288	7.42
51) T	4-Methyl-2-Pen...	0.177	0.185	0.206	0.160	0.217	0.218	0.194	12.18
52) CM	Toluene	0.868	0.874	0.962	0.953	0.942	0.992	0.932	5.37#
53) T	t-1,3-Dichloro...	0.424	0.441	0.466	0.426	0.484	0.497	0.456	6.76
54) T	cis-1,3-Dichlo...	0.540	0.509	0.582	0.553	0.581	0.596	0.560	5.80
55) T	1,1,2-Trichlor...	0.270	0.255	0.273	0.230	0.257	0.262	0.258	5.97
56) T	Ethyl methacry...	0.262	0.279	0.325	0.279	0.367	0.379	0.315	15.72

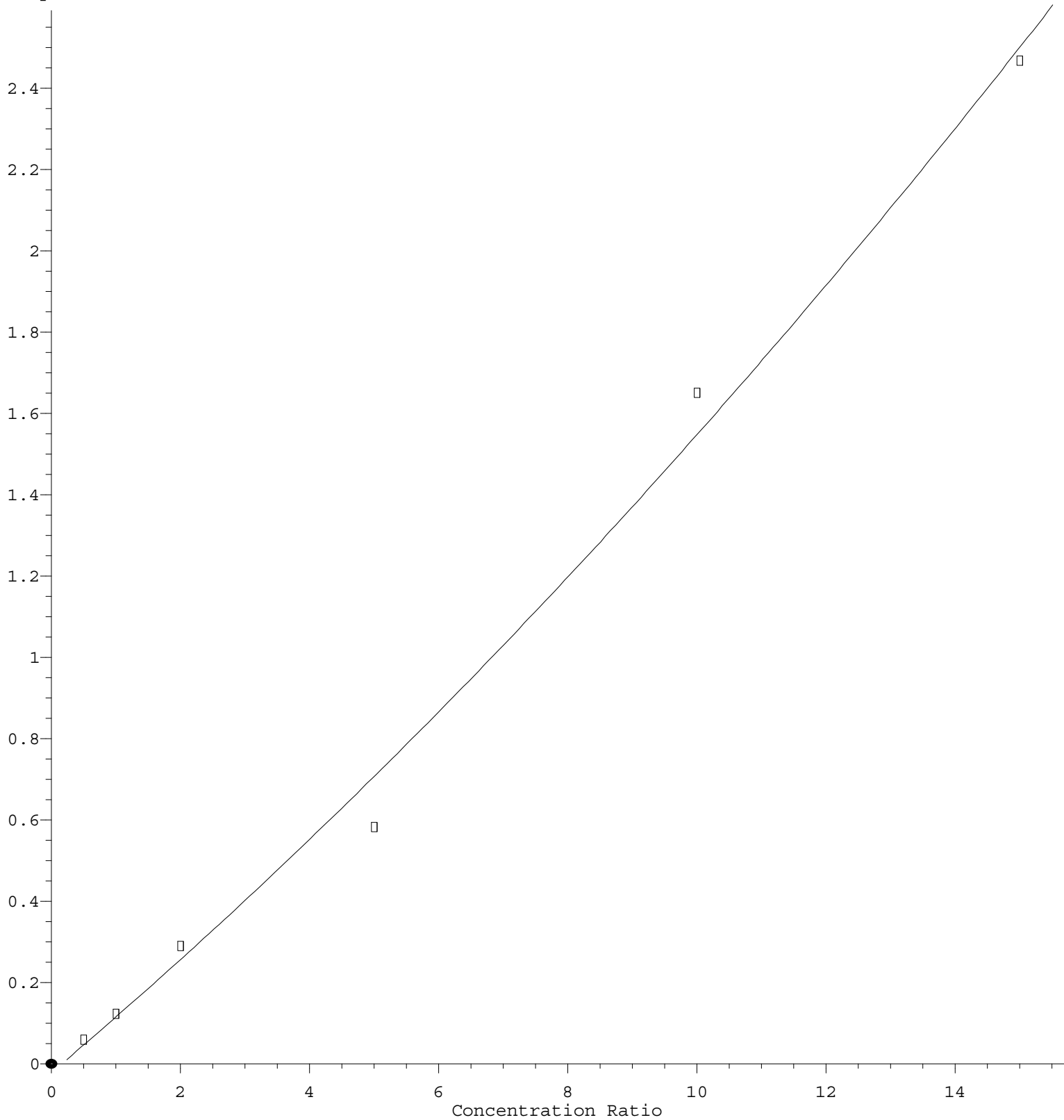
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57)	T	1,3-Dichloropr...	0.410	0.437	0.482	0.410	0.461	0.469	0.445	6.95
58)	T	2-Chloroethyl ...	0.118	0.125	0.149	0.129	0.160	0.163	0.141	13.79
59)	T	2-Hexanone	0.119	0.123	0.145	0.117	0.165	0.165	0.139	16.22
60)	T	Dibromochlorom...	0.317	0.324	0.329	0.289	0.319	0.330	0.318	4.82
61)	T	1,2-Dibromoethane	0.217	0.231	0.248	0.202	0.234	0.243	0.229	7.30
62)	S	4-Bromofluorob...	0.323	0.341	0.370	0.321	0.395	0.415	0.361	10.86
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.318	0.282	0.308	0.307	0.303	0.315	0.306	4.13
65)	PM	Chlorobenzene	1.079	1.055	1.119	1.125	1.090	1.120	1.098	2.56
66)	T	1,1,1,2-Tetrac...	0.364	0.343	0.364	0.343	0.358	0.376	0.358	3.65
67)	C	Ethyl Benzene	1.768	1.717	1.876	2.031	2.020	2.146	1.926	8.67#
68)	T	m/p-Xylenes	0.666	0.651	0.767	0.783	0.787	0.841	0.749	9.97
69)	T	o-Xylene	0.560	0.606	0.693	0.719	0.747	0.784	0.685	12.53
70)	T	Styrene	1.015	1.049	1.215	1.251	1.288	1.389	1.201	11.97
71)	P	Bromoform	0.175	0.185	0.200	0.160	0.190	0.194	0.184	7.81
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.131	3.133	3.444	3.886	3.692	3.775	3.510	9.31
74)	T	N-amyl acetate	0.725	0.710	0.820	0.721	0.878	0.838	0.782	9.20
75)	P	1,1,2,2-Tetrac...	0.705	0.699	0.673	0.575	0.649	0.631	0.655	7.40
76)	T	1,2,3-Trichlor...	0.423	0.407	0.432	0.375	0.421	0.387	0.408	5.50
77)	T	Bromobenzene	0.774	0.764	0.783	0.808	0.787	0.794	0.785	1.94
78)	T	n-propylbenzene	3.971	3.849	4.342	4.773	4.546	4.582	4.344	8.40
79)	T	2-Chlorotoluene	2.215	2.243	2.438	2.640	2.481	2.498	2.419	6.71
80)	T	1,3,5-Trimethy...	2.469	2.593	2.928	3.241	3.084	3.150	2.911	10.79
81)	T	trans-1,4-Dich...	0.229	0.224	0.260	0.223	0.252	0.248	0.239	6.59
82)	T	4-Chlorotoluene	2.360	2.453	2.590	2.688	2.575	2.595	2.544	4.60
83)	T	tert-Butylbenzene	2.161	2.151	2.365	2.721	2.606	2.736	2.457	10.91
84)	T	1,2,4-Trimethy...	2.506	2.618	2.967	3.298	3.177	3.303	2.978	11.63
85)	T	sec-Butylbenzene	3.372	3.333	3.764	4.156	3.974	4.116	3.786	9.59
86)	T	p-Isopropyltol...	2.583	2.685	3.087	3.519	3.520	3.687	3.180	14.74
87)	T	1,3-Dichlorobe...	1.588	1.550	1.663	1.719	1.734	1.775	1.671	5.26
88)	T	1,4-Dichlorobe...	1.619	1.637	1.643	1.665	1.649	1.686	1.650	1.39
89)	T	n-Butylbenzene	2.700	2.522	2.963	3.297	3.181	3.323	2.998	11.02
90)	T	Hexachloroethane	0.677	0.611	0.655	0.676	0.636	0.660	0.653	3.88
91)	T	1,2-Dichlorobe...	1.460	1.335	1.456	1.440	1.460	1.485	1.439	3.69
92)	T	1,2-Dibromo-3-...	0.088	0.098	0.092	0.073	0.095	0.091	0.089	9.85
93)	T	1,2,4-Trichlor...	0.807	0.721	0.799	0.827	0.882	0.932	0.828	8.77
94)	T	Hexachlorobuta...	0.396	0.365	0.402	0.439	0.437	0.460	0.416	8.42
95)	T	Naphthalene	1.471	1.478	1.544	1.498	1.928	1.584		12.27
96)	T	1,2,3-Trichlor...	0.684	0.677	0.699	0.695	0.797	0.803	0.726	7.98

(#) = Out of Range

2-Hexanone

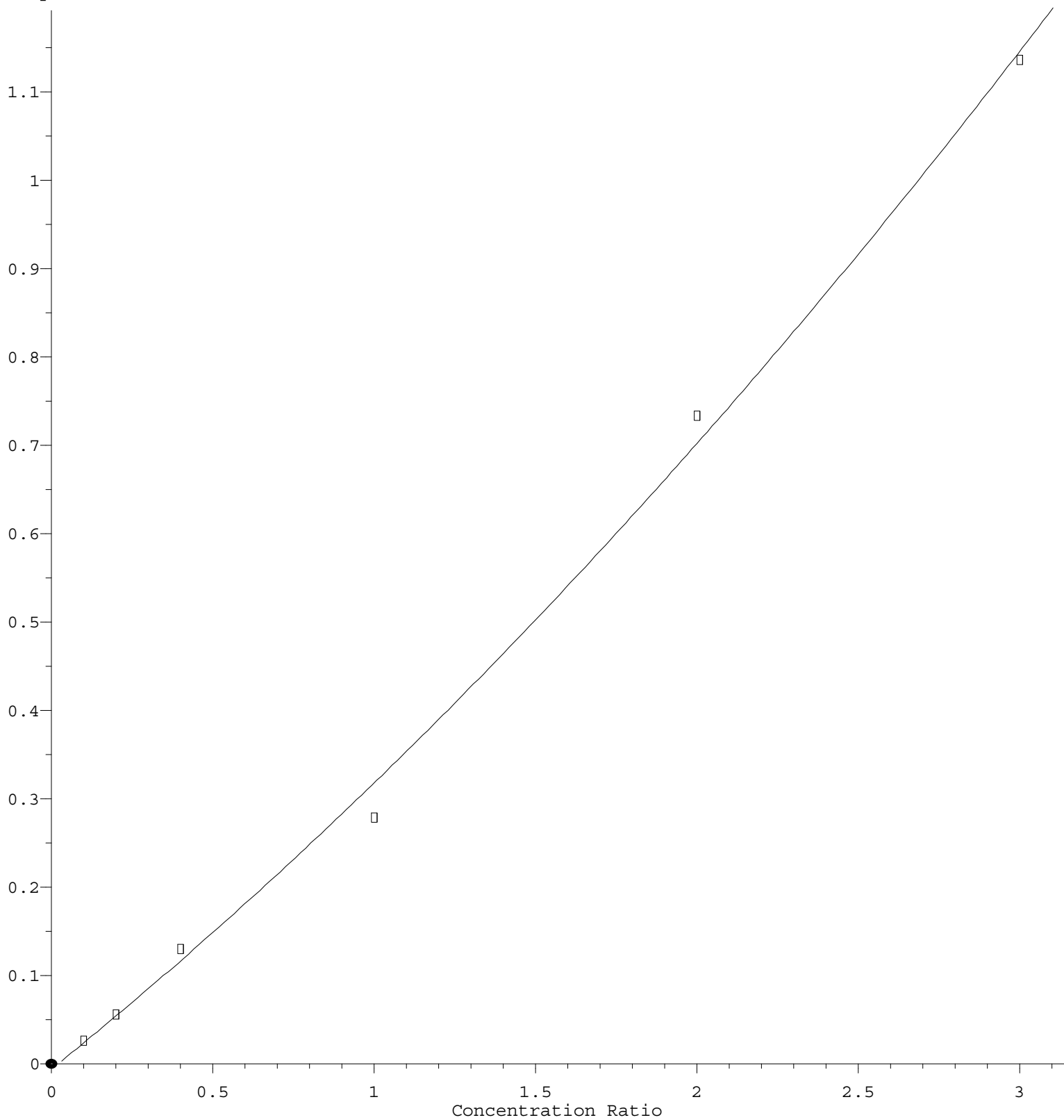
Response Ratio



$R = 2.244e-003 A^2 + 1.345e-001 A - 2.140e-002$
Coef of Det (r^2) = 0.994052 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081224S.M
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Ethyl methacrylate

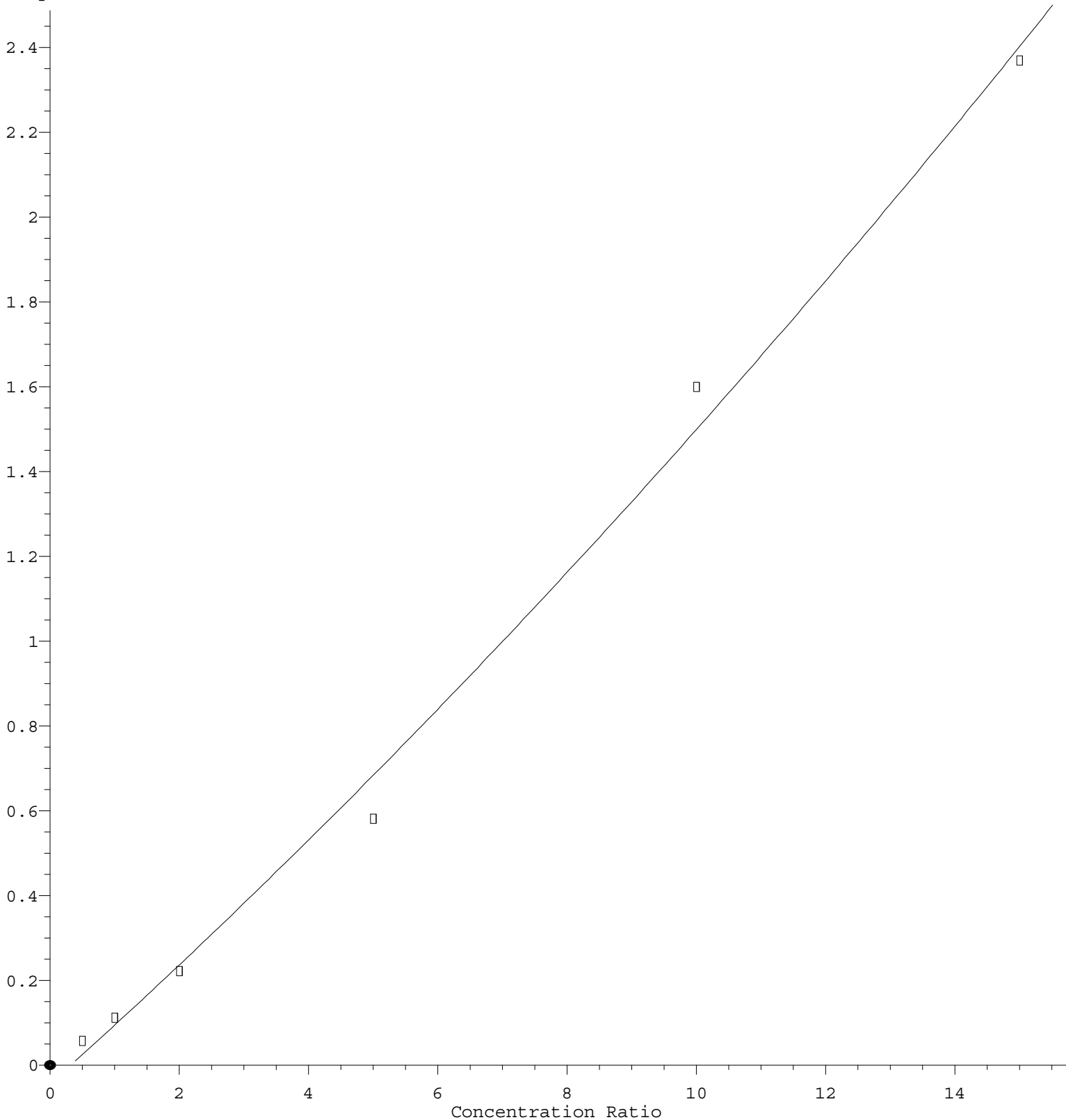
Response Ratio



$R = 3.003e-002 A^2 + 2.939e-001 A - 5.913e-003$
Coef of Det (r^2) = 0.997164 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081224S.M
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Acetone

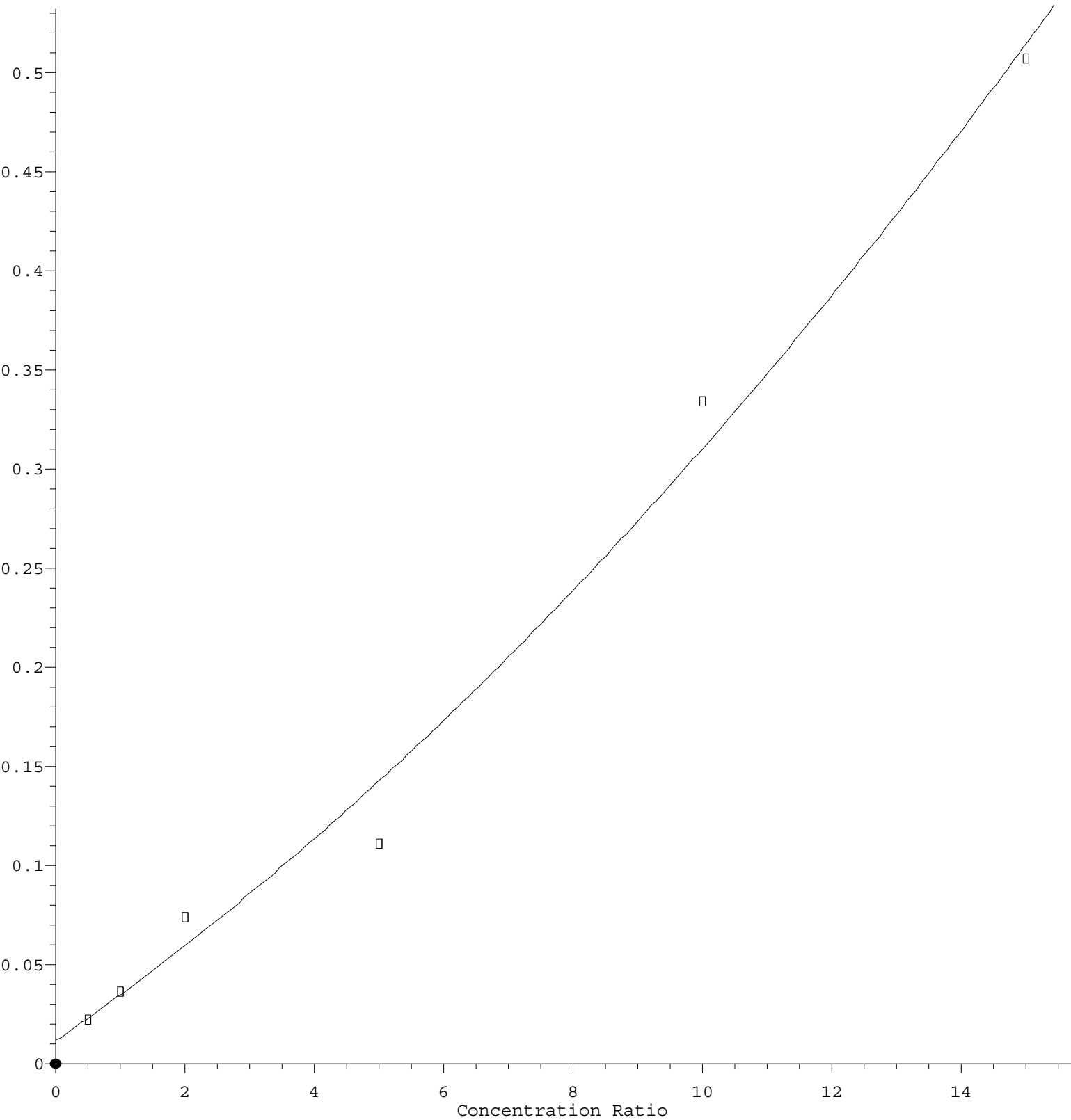
Response Ratio



$R = 1.756e-003 A^2 + 1.367e-001 A - 4.394e-002$
 Coef of Det (r^2) = 0.994842 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081224S.M
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Tert butyl alcohol

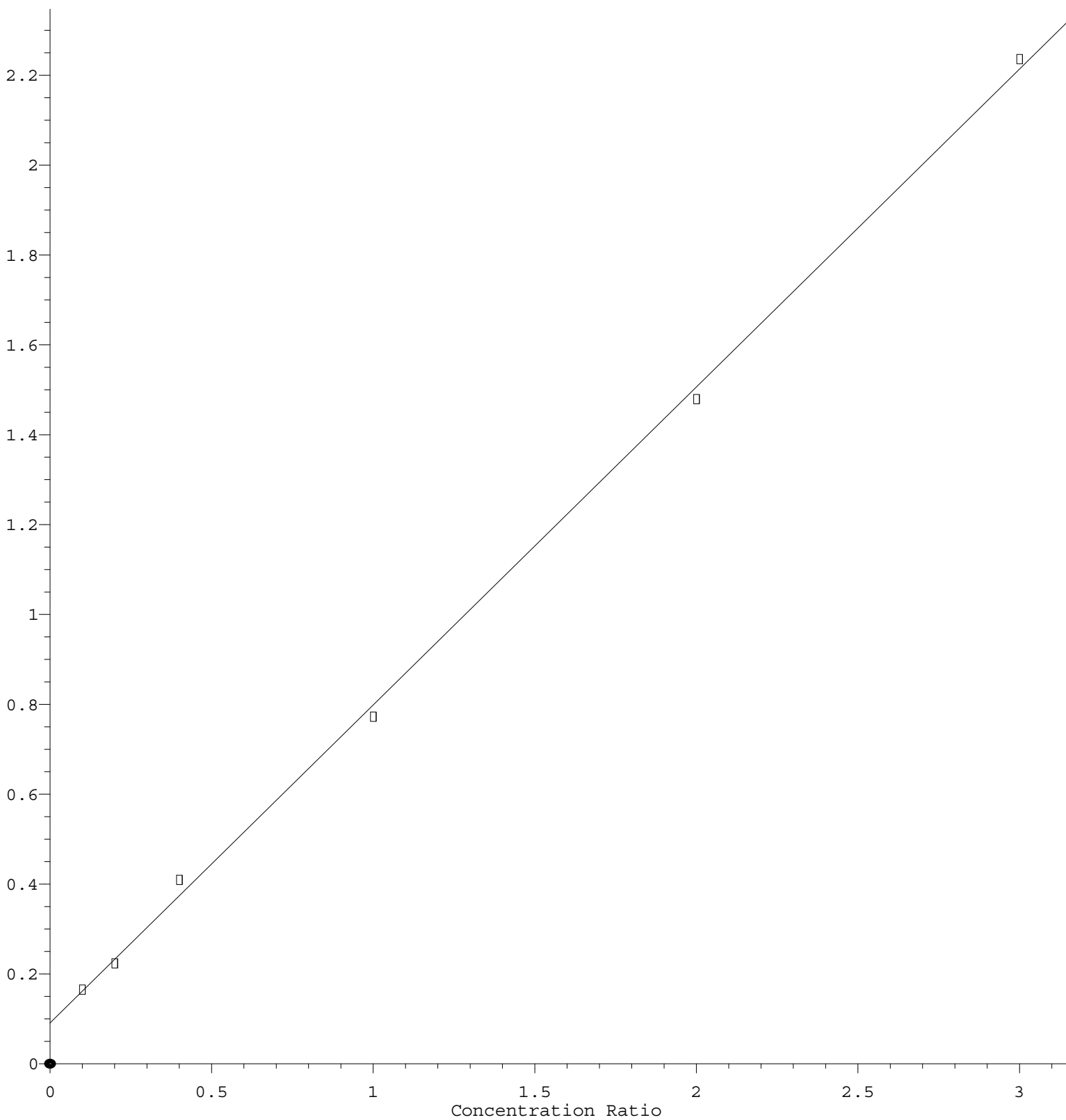
Response Ratio



$R = 7.299e-004 A^2 + 2.258e-002 A + 1.151e-002$
 Coef of Det (r^2) = 0.990467 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081224S.M
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Methylene Chloride

Response Ratio



$$\text{Response} = 7.077\text{e-}001 * \text{Amt} + 9.054\text{e-}002$$

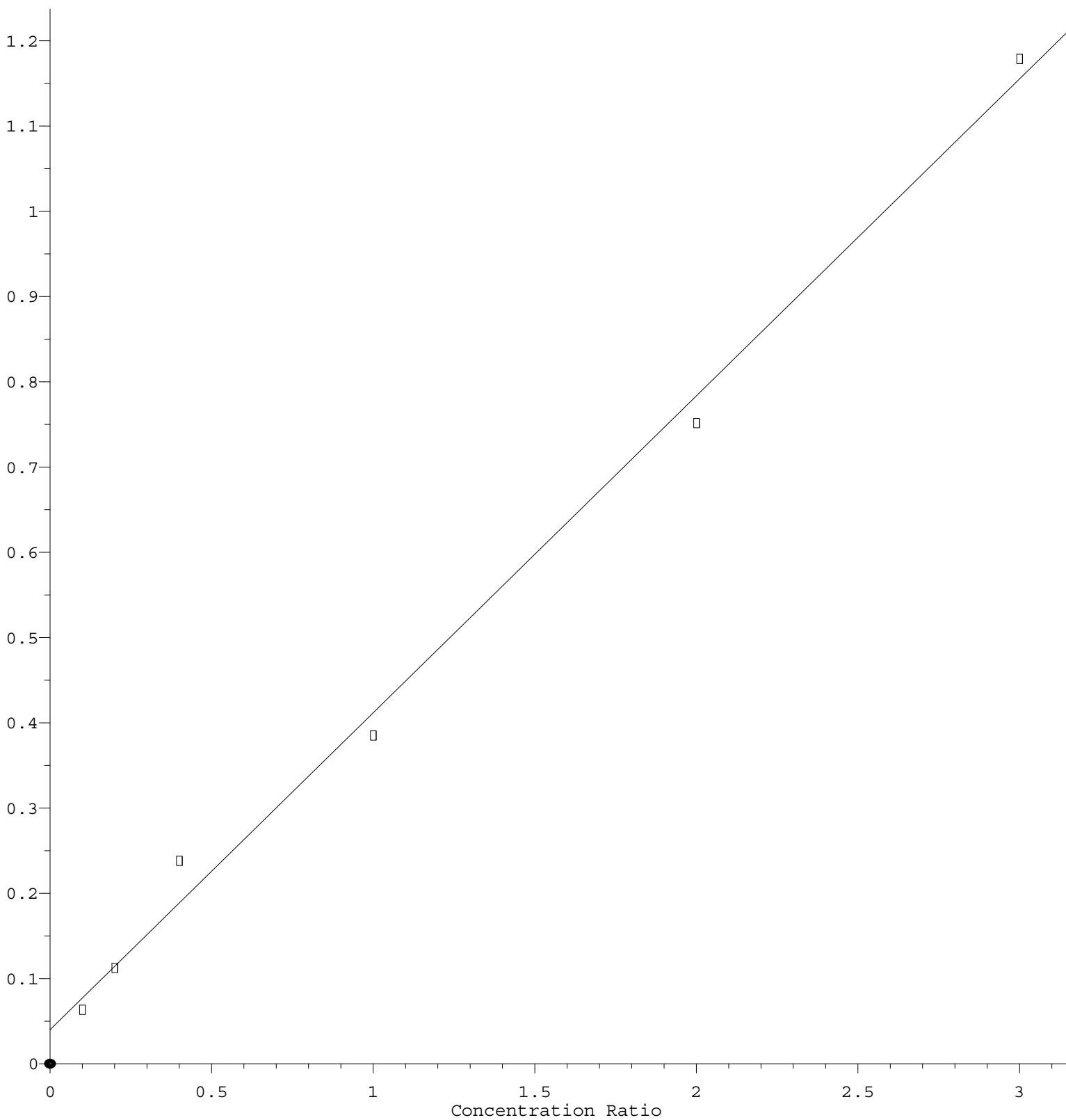
Coef of Det (r^2) = 0.999044 Curve Fit: Linear

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Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 3.717\text{e-}001 * \text{Amt} + 3.981\text{e-}002$$

Coef of Det (r^2) = 0.994740 Curve Fit: Linear

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