

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W121025S.M
 Title : SW846 8260
 Last Update : Thu Dec 11 01:56:28 2025
 Response Via : Initial Calibration

Calibration Files

5 =VW032607.D 10 =VW032614.D 20 =VW032615.D 50 =VW032610.D 100 =VW032611.D 150 =VW032612.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.342	0.317	0.342	0.270	0.257	0.335	0.310	12.18
3) P	Chloromethane	0.608	0.577	0.563	0.448	0.487	0.604	0.548	11.91
4) C	Vinyl Chloride	0.682	0.674	0.669	0.577	0.600	0.721	0.654	8.31#
5) T	Bromomethane	0.451	0.471	0.445	0.383	0.399	0.462	0.435	8.21
6) T	Chloroethane	0.417	0.442	0.427	0.377	0.393	0.473	0.422	8.18
7) T	Trichlorofluor...	0.587	0.560	0.543	0.525	0.550	0.668	0.572	8.97
8) T	Diethyl Ether	0.406	0.381	0.369	0.332	0.362	0.450	0.383	10.56
9) T	1,1,2-Trichlor...	0.642	0.599	0.548	0.507	0.518	0.624	0.573	9.84
10) T	Methyl Iodide	0.795	0.785	0.789	0.732	0.756	0.930	0.798	8.63
11) T	Tert butyl alc...	0.054	0.052	0.049	0.041	0.050	0.065	0.052	15.00
12) CM	1,1-Dichloroet...	0.611	0.620	0.612	0.544	0.568	0.687	0.607	8.10#
13) T	Acrolein	0.068	0.085	0.085	0.092	0.094	0.100	0.087	12.72
14) T	Allyl chloride	1.075	1.142	1.093	1.028	1.089	1.342	1.128	9.85
15) T	Acrylonitrile	0.213	0.206	0.201	0.182	0.214	0.268	0.214	13.39
16) T	Acetone	0.304	0.317	0.246	0.199	0.229	0.277	0.262	17.34
17) T	Carbon Disulfide	1.763	1.828	1.763	1.583	1.657	1.991	1.764	8.01
18) T	Methyl Acetate	0.502	0.495	0.451	0.440	0.512	0.665	0.511	15.85
19) T	Methyl tert-bu...	1.167	1.187	1.178	1.114	1.144	1.442	1.205	9.87
20) T	Methylene Chlo...	0.958	0.888	0.824	0.656	0.656	0.816	0.800	15.33
21) T	trans-1,2-Dich...	0.662	0.669	0.657	0.592	0.627	0.771	0.663	9.09
22) T	Diisopropyl ether	2.111	2.284	2.305	2.148	2.176	2.685	2.285	9.20
23) T	Vinyl Acetate	1.387	1.487	1.496	1.410	1.563	1.926	1.545	12.76
24) P	1,1-Dichloroet...	1.291	1.319	1.305	1.177	1.225	1.523	1.307	9.11
25) T	2-Butanone	0.303	0.309	0.292	0.255	0.308	0.381	0.308	13.30
26) T	2,2-Dichloropr...	0.751	0.740	0.714	0.679	0.704	0.814	0.734	6.40
27) T	cis-1,2-Dichlo...	0.729	0.758	0.764	0.713	0.757	0.923	0.774	9.79
28) T	Bromochloromet...	0.501	0.459	0.585	0.527	0.453	0.590	0.519	11.52
29) T	Tetrahydrofuran	0.175	0.176	0.175	0.158	0.191	0.234	0.185	14.33
30) C	Chloroform	1.305	1.301	1.283	1.170	1.208	1.467	1.289	7.97#
31) T	Cyclohexane	1.379	1.272	1.182	1.054	1.041	1.299	1.204	11.38
32) T	1,1,1-Trichlor...	0.951	0.979	0.936	0.872	0.882	1.066	0.948	7.50
33) S	1,2-Dichloroet...	0.505	0.923	0.808	0.620	0.788	0.851	0.749	20.85
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.224	0.418	0.353	0.288	0.360	0.383	0.338	20.79
36) T	1,1-Dichloropr...	0.508	0.525	0.502	0.489	0.487	0.578	0.515	6.61
37) T	Ethyl Acetate	0.344	0.326	0.332	0.319	0.364	0.430	0.353	11.64
38) T	Carbon Tetrach...	0.484	0.469	0.453	0.450	0.456	0.544	0.476	7.51
39) T	Methylcyclohexane	0.628	0.618	0.601	0.634	0.641	0.763	0.647	9.05
40) TM	Benzene	1.533	1.568	1.534	1.472	1.500	1.763	1.562	6.65
41) T	Methacrylonitrile	0.168	0.170	0.169	0.177	0.199	0.247	0.188	16.55
42) TM	1,2-Dichloroet...	0.486	0.514	0.487	0.462	0.473	0.562	0.497	7.30
43) T	Isopropyl Acetate	0.596	0.591	0.576	0.565	0.645	0.779	0.625	12.85
44) TM	Trichloroethene	0.352	0.356	0.341	0.334	0.343	0.414	0.357	8.13
45) C	1,2-Dichloropr...	0.383	0.392	0.390	0.375	0.382	0.450	0.395	6.96#
46) T	Dibromomethane	0.226	0.228	0.223	0.215	0.227	0.269	0.232	8.23
47) T	Bromodichlorom...	0.512	0.540	0.516	0.509	0.522	0.632	0.539	8.70
48) T	Methyl methacr...	0.271	0.257	0.259	0.263	0.326	0.395	0.295	18.69
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.004	0.003	15.14
50) S	Toluene-d8	0.840	1.529	1.368	1.140	1.393	1.429	1.283	19.63
51) T	4-Methyl-2-Pen...	0.333	0.333	0.324	0.312	0.362	0.427	0.349	12.02
52) CM	Toluene	0.891	1.000	0.928	0.925	0.922	1.099	0.961	7.97#
53) T	t-1,3-Dichloro...	0.484	0.504	0.484	0.511	0.546	0.657	0.531	12.41
54) T	cis-1,3-Dichlo...	0.545	0.597	0.585	0.587	0.611	0.749	0.612	11.47
55) T	1,1,2-Trichlor...	0.307	0.313	0.296	0.285	0.304	0.359	0.311	8.23
56) T	Ethyl methacry...	0.386	0.404	0.409	0.426	0.481	0.585	0.448	16.64

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57)	T	1,3-Dichloropr...	0.549	0.545	0.524	0.526	0.548	0.654	0.558	8.66
58)	T	2-Chloroethyl ...	0.169	0.216	0.232	0.141	0.194	0.302	0.209	26.78
59)	T	2-Hexanone	0.239	0.242	0.237	0.225	0.262	0.310	0.253	12.19
60)	T	Dibromochlorom...	0.314	0.329	0.326	0.333	0.345	0.428	0.346	11.96
61)	T	1,2-Dibromoethane	0.290	0.295	0.284	0.285	0.294	0.355	0.300	9.03
62)	S	4-Bromofluorob...	0.330	0.573	0.500	0.405	0.511	0.507	0.471	18.62

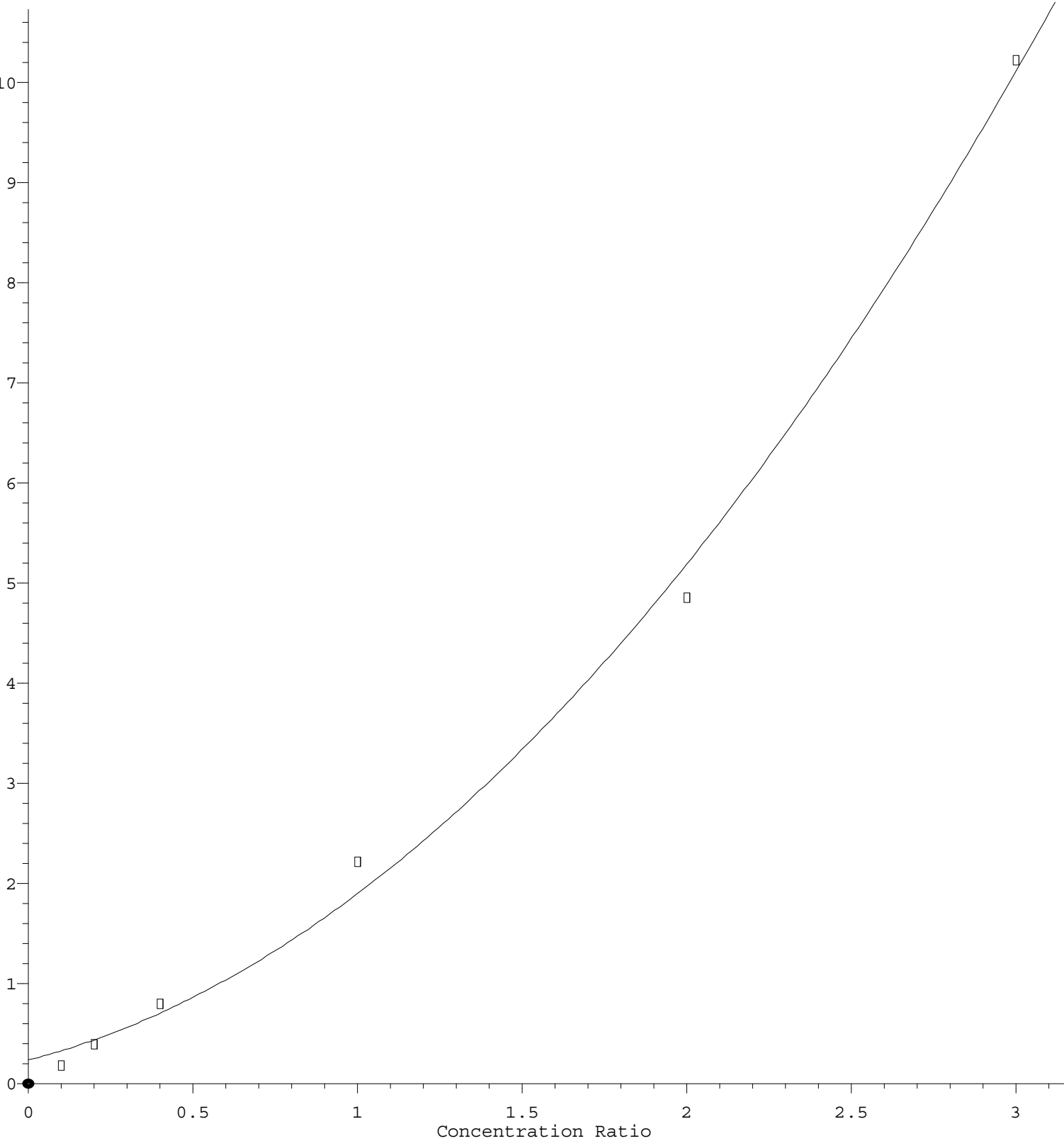
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.323	0.326	0.313	0.286	0.302	0.373	0.321	9.24
65)	PM	Chlorobenzene	1.143	1.106	1.105	1.064	1.099	1.333	1.142	8.50
66)	T	1,1,1,2-Tetrac...	0.340	0.335	0.342	0.349	0.352	0.421	0.357	9.06
67)	C	Ethyl Benzene	1.830	1.924	1.907	1.923	1.929	2.325	1.973	8.95#
68)	T	m/p-Xylenes	0.710	0.733	0.736	0.738	0.742	0.883	0.757	8.30
69)	T	o-Xylene	0.620	0.661	0.669	0.690	0.701	0.849	0.698	11.31
70)	T	Styrene	1.082	1.178	1.191	1.192	1.201	1.461	1.218	10.43
71)	P	Bromoform	0.191	0.194	0.195	0.187	0.212	0.263	0.207	13.83

72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.278	3.542	3.566	3.917	3.694	4.821	3.803	14.21
74)	T	N-amyl acetate	1.066	1.200	1.200	1.256	1.359	1.737	1.303	17.87
75)	P	1,1,2,2-Tetrac...	0.893	0.884	0.829	0.866	0.885	1.137	0.916	12.10
76)	T	1,2,3-Trichlor...	0.693	0.644	0.610	0.631	0.629	0.819	0.671	11.57
77)	T	Bromobenzene	0.827	0.833	0.836	0.832	0.812	1.095	0.873	12.54
78)	T	n-propylbenzene	4.375	4.521	4.672	4.941	4.618	6.020	4.858	12.34
79)	T	2-Chlorotoluene	2.615	2.725	2.746	2.864	2.690	3.469	2.851	10.99
80)	T	1,3,5-Trimethy...	2.765	3.045	3.114	3.236	3.041	3.965	3.194	12.77
81)	T	trans-1,4-Dich...	0.252	0.262	0.259	0.286	0.321	0.423	0.301	21.71
82)	T	4-Chlorotoluene	2.876	2.966	2.925	2.957	2.888	3.558	3.028	8.65
83)	T	tert-Butylbenzene	2.350	2.575	2.541	2.787	2.607	3.467	2.721	14.38
84)	T	1,2,4-Trimethy...	2.846	3.067	3.084	3.289	3.095	3.948	3.222	11.88
85)	T	sec-Butylbenzene	3.877	3.925	4.010	4.191	3.938	5.056	4.166	10.79
86)	T	p-Isopropyltol...	2.994	3.180	3.241	3.419	3.272	4.228	3.389	12.80
87)	T	1,3-Dichlorobe...	1.758	1.748	1.665	1.756	1.641	2.150	1.786	10.36
88)	T	1,4-Dichlorobe...	1.744	1.795	1.723	1.755	1.574	2.082	1.779	9.38
89)	T	n-Butylbenzene	3.123	3.251	3.190	3.394	3.261	4.208	3.405	11.86
90)	T	Hexachloroethane	0.592	0.599	0.596	0.635	0.582	0.793	0.633	12.68
91)	T	1,2-Dichlorobe...	1.577	1.564	1.553	1.573	1.487	1.920	1.612	9.56
92)	T	1,2-Dibromo-3-...	0.172	0.148	0.143	0.145	0.157	0.210	0.163	15.75
93)	T	1,2,4-Trichlor...	0.898	0.958	0.853	0.940	0.887	1.209	0.958	13.45
94)	T	Hexachlorobuta...	0.485	0.443	0.369	0.452	0.420	0.546	0.453	13.18
95)	T	Naphthalene	1.816	1.969	1.993	2.216	2.427	3.407	2.305	25.20
96)	T	1,2,3-Trichlor...	0.848	0.845	0.819	0.895	0.874	1.150	0.905	13.56

(#) = Out of Range

Naphthalene

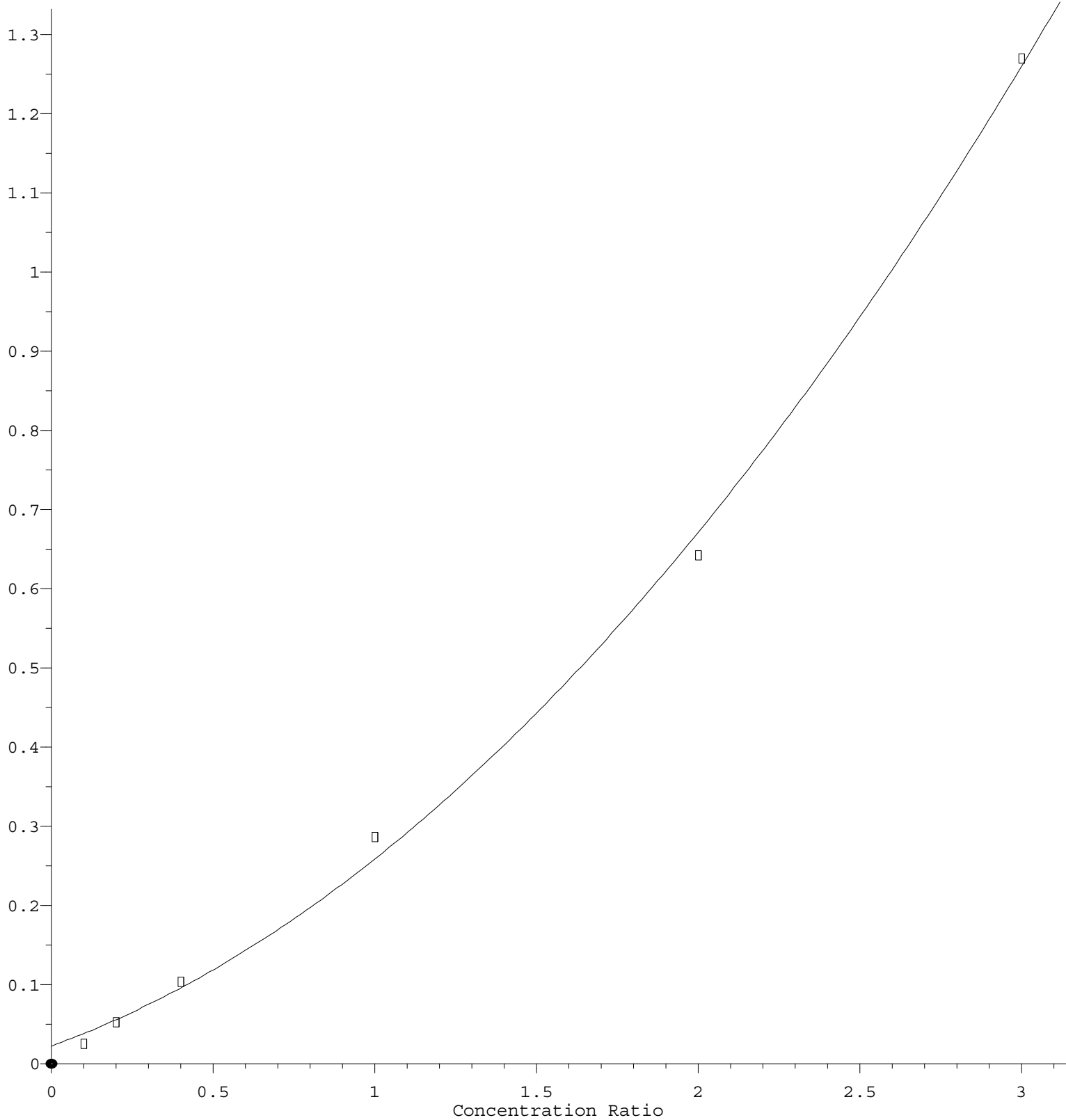
Response Ratio



$R = 8.149e-001 A^2 + 8.467e-001 A + 2.352e-001$
 Coef of Det (r^2) = 0.996596 Curve Fit: Quadratic
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trans-1,4-Dichloro-2-butene

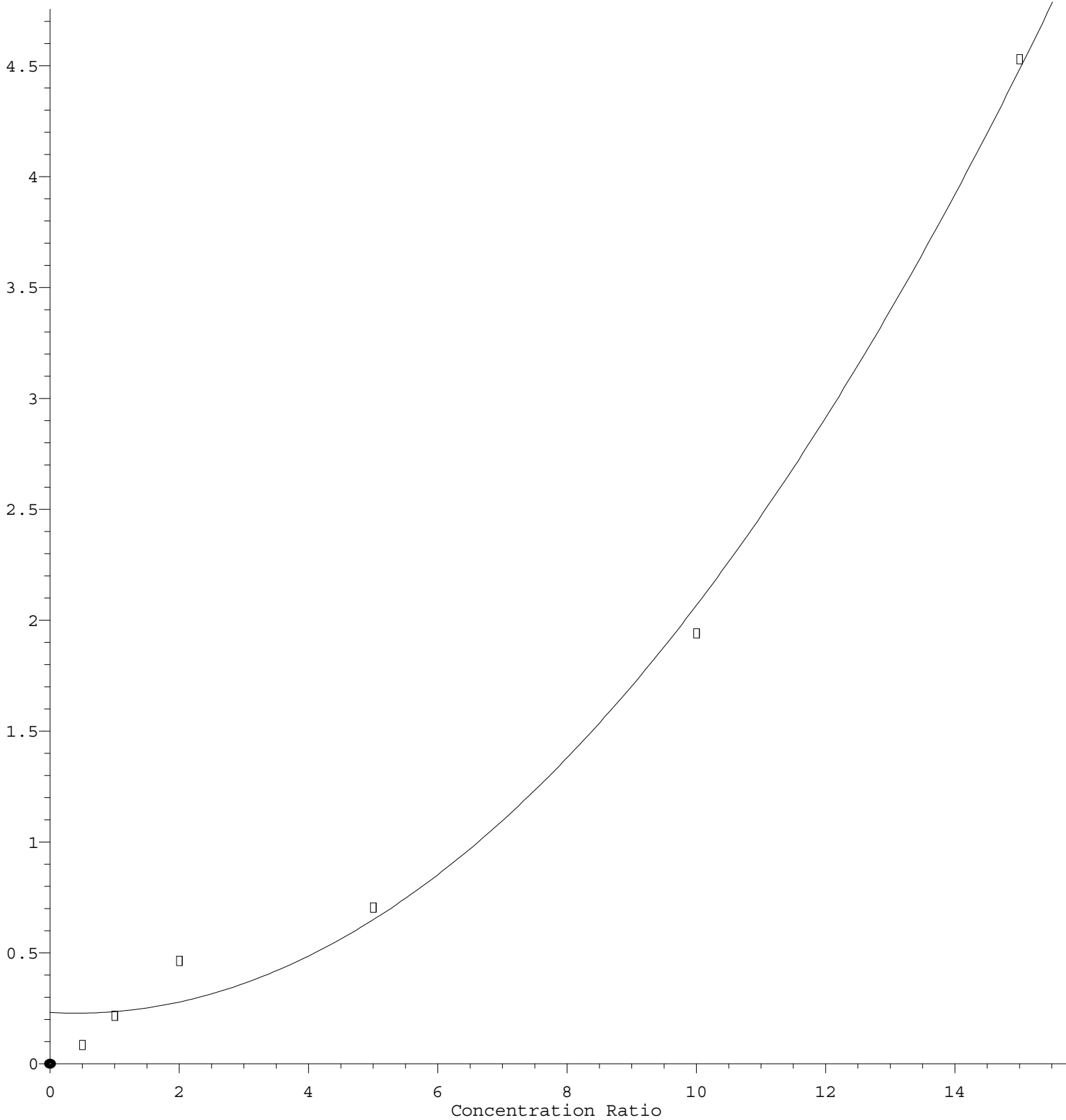
Response Ratio



$R = 8.812e-002 A^2 + 1.481e-001 A + 2.244e-002$
Coef of Det (r^2) = 0.998356 Curve Fit: Quadratic
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2-Chloroethyl Vinyl ether

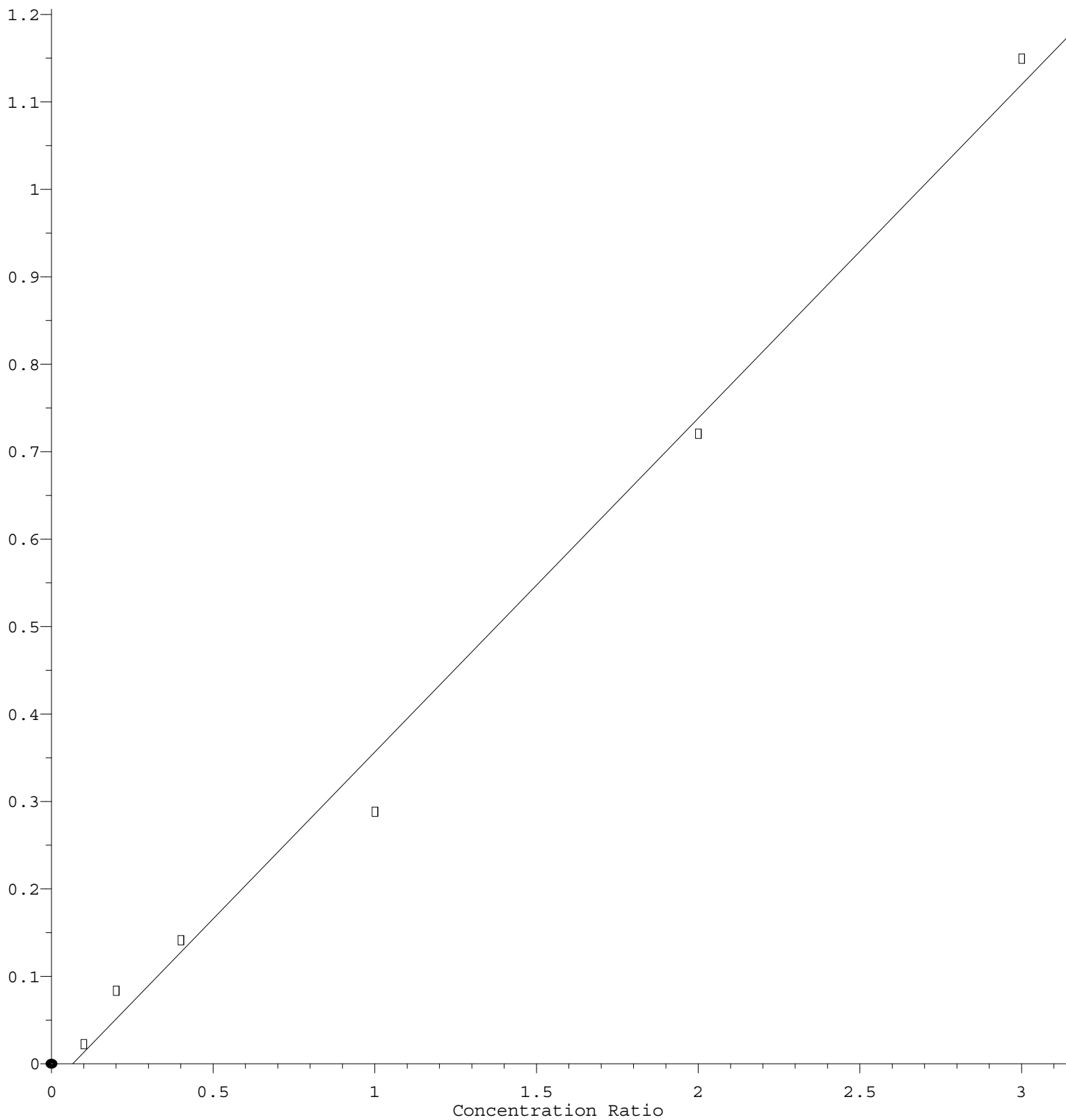
Response Ratio



$R = 1.998e-002 A^2 - 1.626e-002 A + 2.310e-001$
 Coef of Det (r^2) = 0.994760 Curve Fit: Quadratic
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Dibromofluoromethane

Response Ratio



$$\text{Response} = 3.815\text{e-}001 * \text{Amt} - 2.513\text{e-}002$$

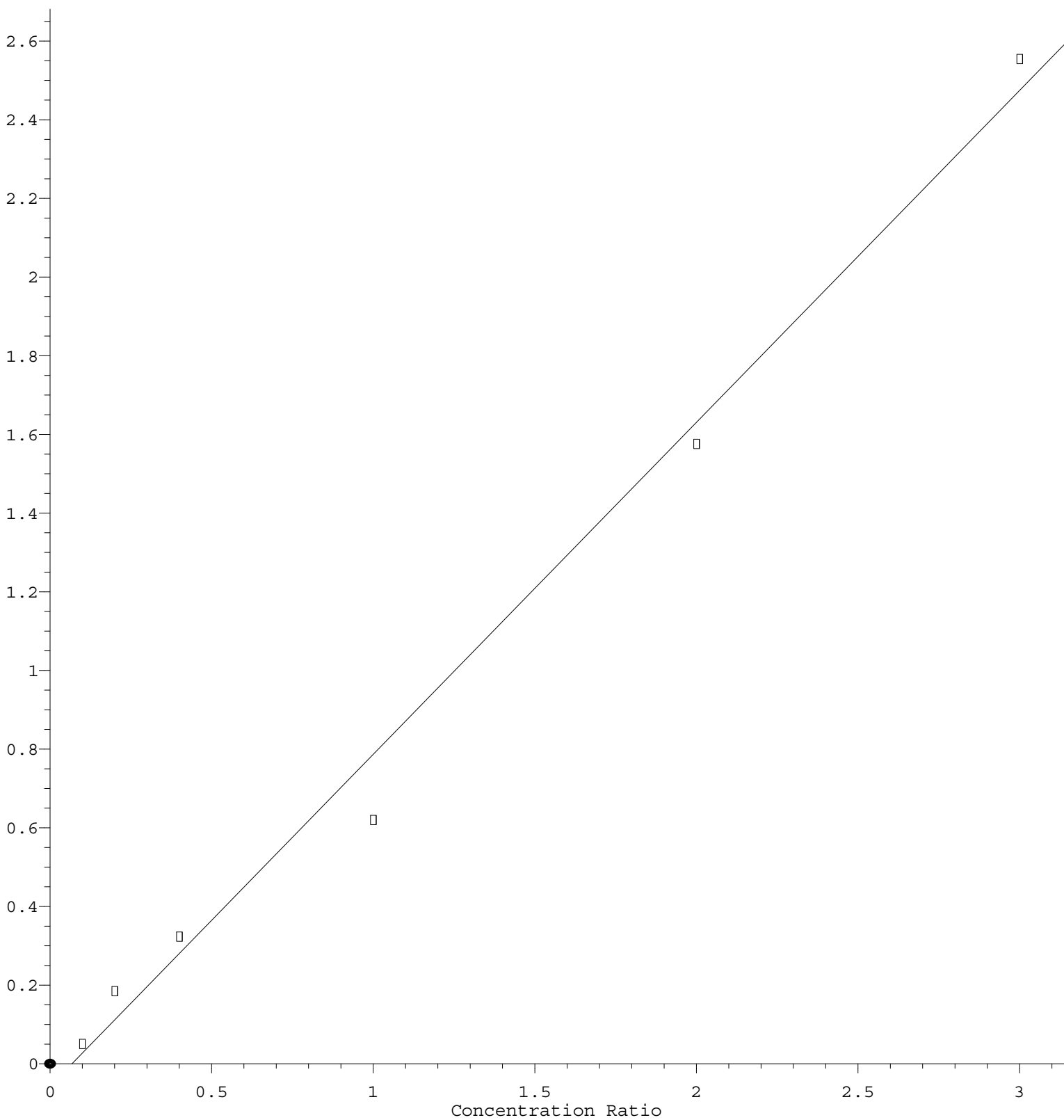
Coef of Det (r^2) = 0.992717 Curve Fit: Linear

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1,2-Dichloroethane-d4

Response Ratio



$$\text{Response} = 8.439\text{e-}001 * \text{Amt} - 5.776\text{e-}002$$

Coef of Det (r^2) = 0.990709 Curve Fit: Linear

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