

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D062824S.M
 Title : SW846 8260
 Last Update : Sat Jun 29 06:28:31 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD079279.D 10 =VD079280.D 20 =VD079281.D 50 =VD079282.D 100 =VD079283.D 150 =VD079284.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.635	0.617	0.577	0.515	0.523	0.524	0.565	9.29
3) P	Chloromethane	0.970	0.927	0.945	0.758	0.776	0.764	0.857	11.73
4) C	Vinyl Chloride	1.067	0.998	1.013	0.889	0.858	0.909	0.956	8.60#
5) T	Bromomethane	1.212	1.079	0.958	0.716	0.707	0.715	0.898	24.30
6) T	Chloroethane	0.765	0.744	0.723	0.602	0.619	0.614	0.678	10.91
7) T	Trichlorofluor...	1.248	1.192	1.156	0.983	0.989	0.989	1.093	10.94
8) T	Diethyl Ether	0.320	0.329	0.332	0.291	0.321	0.336	0.321	4.96
9) T	1,1,2-Trichlor...	0.750	0.742	0.713	0.614	0.629	0.627	0.679	9.24
10) T	Methyl Iodide	0.168	0.299	0.470	0.613	0.767	0.766	0.514	48.12
11) T	Tert butyl alc...	0.029	0.039	0.036	0.029	0.033	0.036	0.033	12.82
12) CM	1,1-Dichloroet...	0.666	0.695	0.676	0.612	0.642	0.653	0.657	4.43#
13) T	Acrolein	0.061	0.071	0.071	0.062	0.064	0.068	0.066	7.22
14) T	Allyl chloride	0.836	0.828	0.877	0.779	0.836	0.877	0.839	4.34
15) T	Acrylonitrile	0.143	0.145	0.157	0.135	0.145	0.155	0.147	5.59
16) T	Acetone	0.102	0.109	0.112	0.121	0.131	0.136	0.119	11.12
17) T	Carbon Disulfide	2.530	2.372	2.428	2.136	2.198	2.192	2.309	6.79
18) T	Methyl Acetate	0.327	0.328	0.396	0.329	0.331	0.358	0.345	8.06
19) T	Methyl tert-bu...	1.280	1.263	1.419	1.255	1.400	1.463	1.347	6.75
20) T	Methylene Chlo...	1.615	1.192	1.056	0.756	0.778	0.759	1.026	33.23
21) T	trans-1,2-Dich...	0.756	0.772	0.783	0.694	0.708	0.720	0.739	4.93
22) T	Diisopropyl ether	1.633	1.900	2.027	1.760	1.824	1.809	1.825	7.25
23) T	Vinyl Acetate	1.209	1.313	1.471	1.343	1.463	1.492	1.382	8.12
24) P	1,1-Dichloroet...	1.373	1.332	1.355	1.185	1.209	1.223	1.280	6.47
25) T	2-Butanone	0.142	0.158	0.170	0.157	0.177	0.188	0.165	9.89
26) T	2,2-Dichloropr...	1.084	1.037	1.058	0.939	0.979	0.966	1.010	5.67
27) T	cis-1,2-Dichlo...	0.792	0.814	0.839	0.756	0.819	0.835	0.809	3.84
28) T	Bromochloromet...	0.593	0.551	0.578	0.491	0.498	0.490	0.534	8.69
29) T	Tetrahydrofuran	0.091	0.100	0.108	0.097	0.107	0.114	0.103	8.16
30) C	Chloroform	1.449	1.405	1.409	1.195	1.238	1.224	1.320	8.52#
31) T	Cyclohexane	1.184	1.156	1.044	0.975	1.007	1.011	1.063	8.12
32) T	1,1,1-Trichlor...	1.157	1.154	1.132	1.007	1.024	1.026	1.084	6.58
33) S	1,2-Dichloroet...	0.676	0.657	0.675	0.454	0.462	0.467	0.565	20.24
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.361	0.344	0.364	0.306	0.297	0.298	0.328	9.58
36) T	1,1-Dichloropr...	0.504	0.490	0.508	0.511	0.523	0.524	0.510	2.52
37) T	Ethyl Acetate	0.188	0.157	0.196	0.188	0.211	0.225	0.194	12.10
38) T	Carbon Tetrach...	0.528	0.528	0.524	0.503	0.512	0.513	0.518	2.02
39) T	Methylcyclohexane	0.540	0.540	0.573	0.607	0.664	0.676	0.600	10.00
40) TM	Benzene	1.568	1.574	1.588	1.559	1.625	1.632	1.591	1.94
41) T	Methacrylonitrile	0.113	0.095	0.104	0.095	0.120	0.112	0.107	9.61
42) TM	1,2-Dichloroet...	0.389	0.387	0.399	0.369	0.378	0.375	0.383	2.89
43) T	Isopropyl Acetate	0.359	0.350	0.390	0.351	0.387	0.411	0.375	6.72
44) TM	Trichloroethene	0.381	0.374	0.359	0.350	0.354	0.362	0.363	3.33
45) C	1,2-Dichloropr...	0.373	0.390	0.406	0.380	0.384	0.392	0.387	2.91#
46) T	Dibromomethane	0.218	0.231	0.225	0.205	0.216	0.223	0.220	4.21
47) T	Bromodichlorom...	0.556	0.522	0.565	0.515	0.532	0.535	0.538	3.63
48) T	Methyl methacr...	0.137	0.155	0.171	0.171	0.184	0.196	0.169	12.40
49) T	1,4-Dioxane	0.002	0.003	0.002	0.002	0.002	0.002	0.002	14.90
50) S	Toluene-d8	1.256	1.310	1.390	1.040	1.040	1.048	1.181	13.30
51) T	4-Methyl-2-Pen...	0.158	0.186	0.199	0.193	0.210	0.223	0.195	11.30
52) CM	Toluene	0.889	0.918	0.991	0.978	1.017	1.018	0.968	5.52#
53) T	t-1,3-Dichloro...	0.455	0.468	0.487	0.472	0.507	0.524	0.486	5.33
54) T	cis-1,3-Dichlo...	0.550	0.569	0.590	0.573	0.599	0.613	0.583	3.89
55) T	1,1,2-Trichlor...	0.289	0.286	0.289	0.270	0.281	0.286	0.283	2.54
56) T	Ethyl methacry...	0.263	0.317	0.348	0.340	0.390	0.407	0.344	15.07

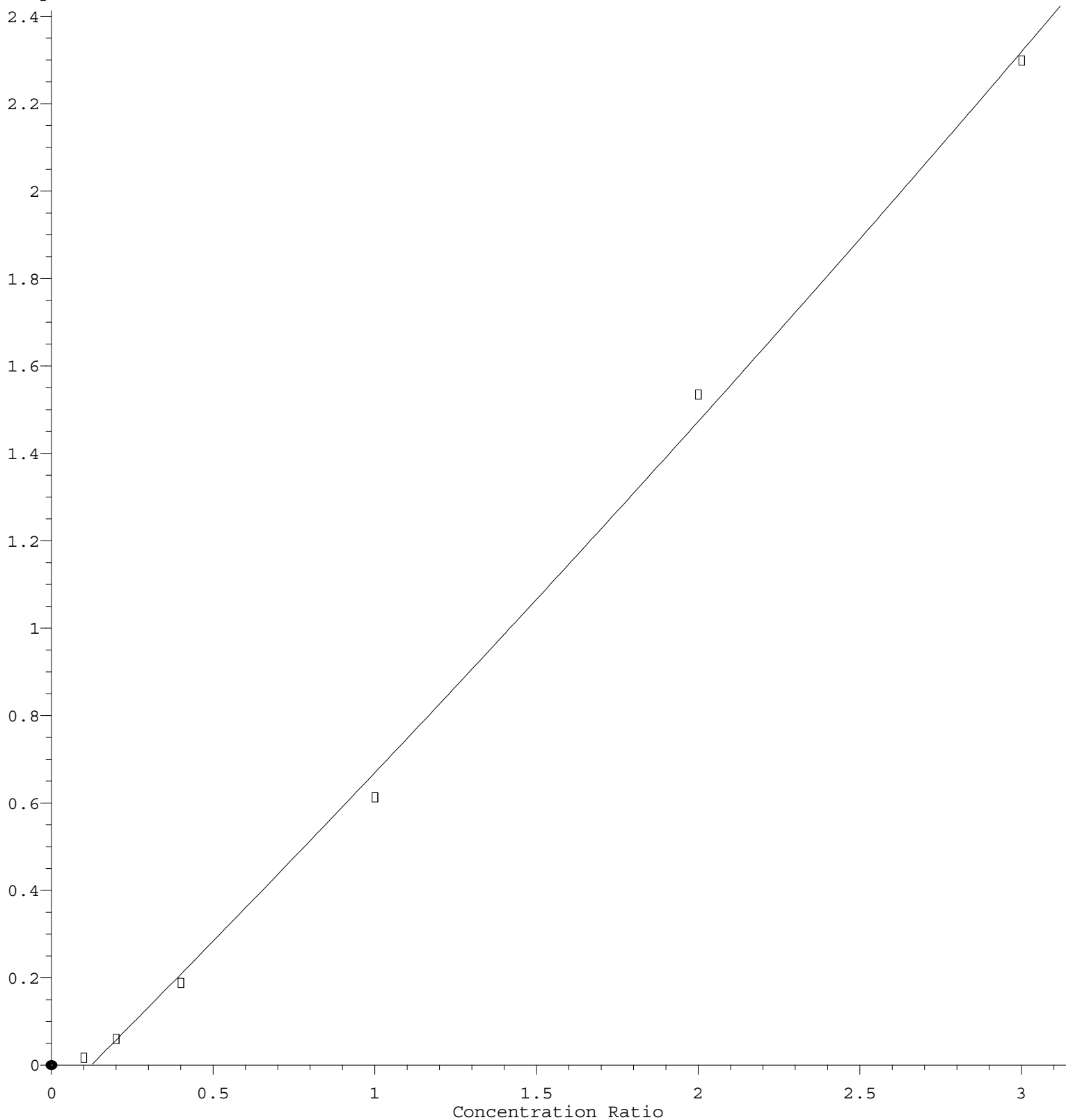
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57)	T	1,3-Dichloropr...	0.471	0.474	0.490	0.477	0.488	0.506	0.484	2.69
58)	T	2-Chloroethyl ...	0.117	0.138	0.155	0.162	0.173	0.188	0.155	16.10
59)	T	2-Hexanone	0.110	0.123	0.139	0.141	0.155	0.163	0.138	13.98
60)	T	Dibromochlorom...	0.359	0.366	0.367	0.337	0.353	0.365	0.358	3.16
61)	T	1,2-Dibromoethane	0.238	0.263	0.263	0.254	0.266	0.274	0.260	4.72
62)	S	4-Bromofluorob...	0.362	0.365	0.403	0.373	0.381	0.388	0.379	4.10
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.301	0.307	0.321	0.309	0.318	0.315	0.312	2.44
65)	PM	Chlorobenzene	1.083	1.102	1.139	1.103	1.122	1.124	1.112	1.81
66)	T	1,1,1,2-Tetrac...	0.398	0.375	0.391	0.359	0.376	0.372	0.379	3.69
67)	C	Ethyl Benzene	1.764	1.748	1.918	1.969	2.115	2.129	1.941	8.49#
68)	T	m/p-Xylenes	0.659	0.694	0.760	0.763	0.804	0.811	0.749	8.09
69)	T	o-Xylene	0.577	0.610	0.666	0.685	0.742	0.755	0.672	10.51
70)	T	Styrene	1.015	1.070	1.231	1.229	1.306	1.345	1.199	10.89
71)	P	Bromoform	0.198	0.210	0.218	0.194	0.203	0.209	0.205	4.29
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.258	3.353	3.638	3.924	4.015	4.114	3.717	9.61
74)	T	N-amyl acetate	0.670	0.838	0.805	0.812	0.864	0.905	0.816	9.81
75)	P	1,1,2,2-Tetrac...	0.806	0.829	0.781	0.740	0.746	0.748	0.775	4.73
76)	T	1,2,3-Trichlor...	0.487	0.496	0.460	0.540	0.544	0.476	0.500	6.89
77)	T	Bromobenzene	0.795	0.810	0.869	0.825	0.850	0.867	0.836	3.68
78)	T	n-propylbenzene	4.259	4.438	4.721	5.020	5.021	5.092	4.758	7.29
79)	T	2-Chlorotoluene	2.400	2.539	2.672	2.744	2.794	2.812	2.660	6.07
80)	T	1,3,5-Trimethy...	2.764	2.910	3.138	3.287	3.345	3.439	3.147	8.37
81)	T	trans-1,4-Dich...	0.248	0.272	0.265	0.266	0.286	0.280	0.270	4.99
82)	T	4-Chlorotoluene	2.490	2.732	2.895	2.857	2.869	2.928	2.795	5.86
83)	T	tert-Butylbenzene	2.165	2.268	2.471	2.707	2.797	2.886	2.549	11.54
84)	T	1,2,4-Trimethy...	2.559	2.938	3.135	3.324	3.426	3.518	3.150	11.32
85)	T	sec-Butylbenzene	3.442	3.763	3.984	4.317	4.357	4.474	4.056	9.87
86)	T	p-Isopropyltol...	2.784	3.015	3.273	3.526	3.683	3.805	3.348	11.85
87)	T	1,3-Dichlorobe...	1.791	1.759	1.769	1.733	1.795	1.821	1.778	1.73
88)	T	1,4-Dichlorobe...	1.827	1.766	1.795	1.722	1.727	1.764	1.767	2.27
89)	T	n-Butylbenzene	2.847	3.005	3.171	3.464	3.589	3.634	3.285	9.90
90)	T	Hexachloroethane	0.752	0.766	0.735	0.725	0.721	0.719	0.736	2.59
91)	T	1,2-Dichlorobe...	1.530	1.517	1.578	1.481	1.521	1.554	1.530	2.18
92)	T	1,2-Dibromo-3-...	0.114	0.112	0.105	0.097	0.103	0.106	0.106	5.76
93)	T	1,2,4-Trichlor...	0.718	0.748	0.793	0.837	0.875	0.924	0.816	9.57
94)	T	Hexachlorobuta...	0.477	0.437	0.437	0.447	0.459	0.464	0.454	3.53
95)	T	Naphthalene	1.345	1.419	1.562	1.701	1.935	1.592		14.78
96)	T	1,2,3-Trichlor...	0.659	0.641	0.698	0.741	0.777	0.811	0.721	9.28

(#) = Out of Range

Methyl Iodide

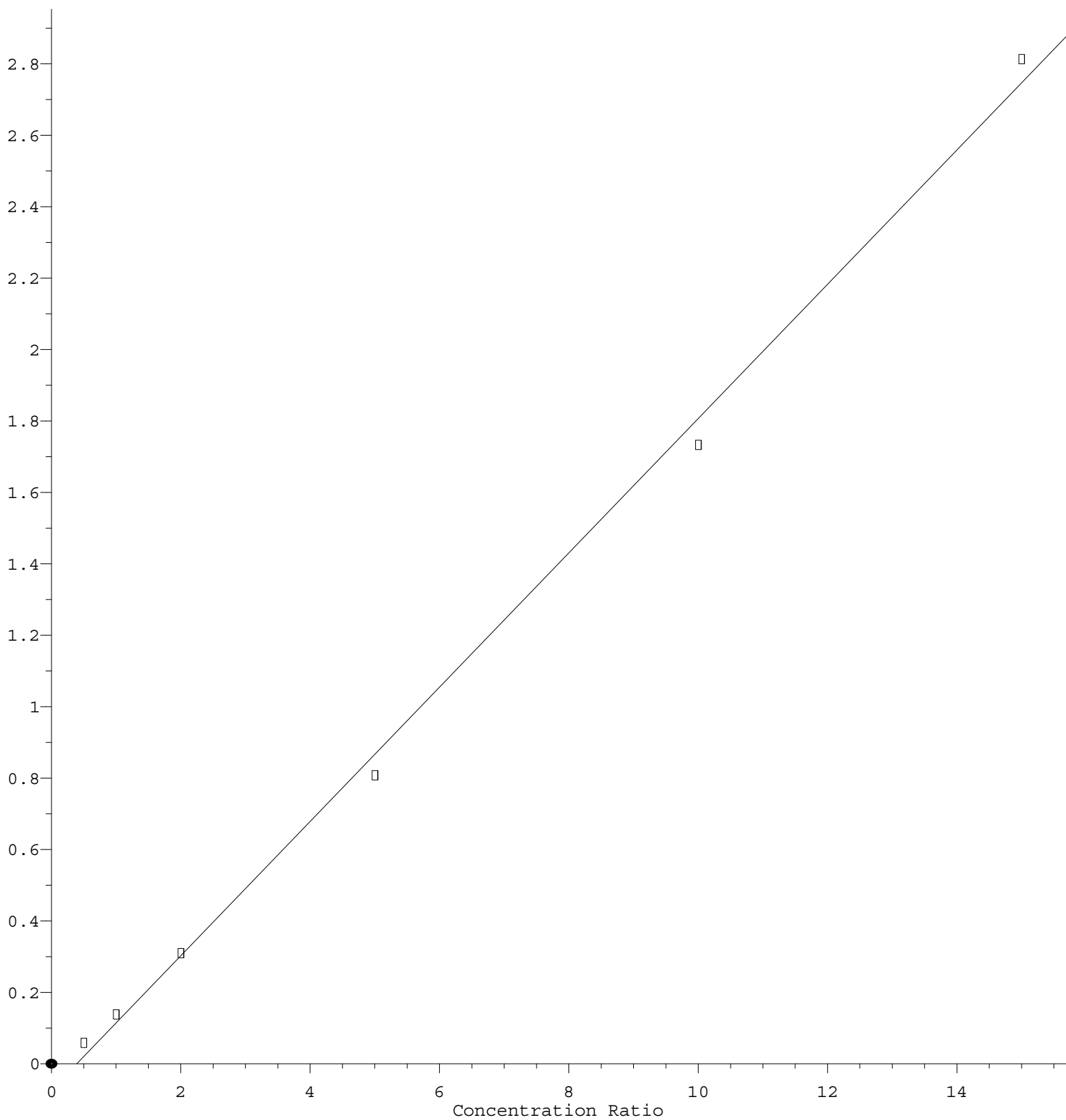
Response Ratio



$R = 2.150e-002 A^2 + 7.390e-001 A - 9.101e-002$
Coef of Det (r^2) = 0.997941 Curve Fit: Quadratic
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2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 1.880\text{e-}001 * \text{Amt} - 7.322\text{e-}002$$

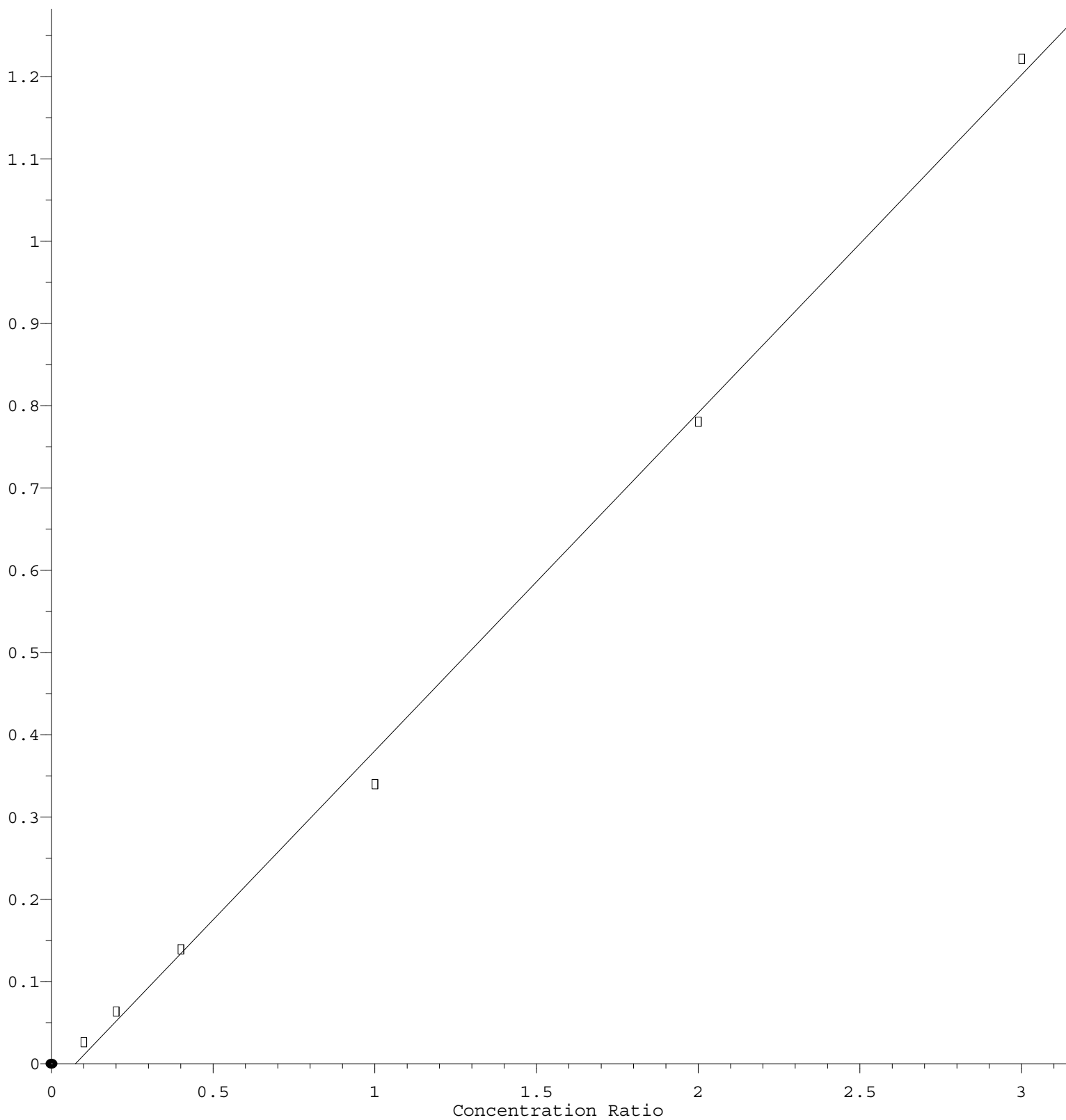
Coef of Det (r^2) = 0.997418 Curve Fit: Linear

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Ethyl methacrylate

Response Ratio



$$\text{Response} = 4.111\text{e-}001 * \text{Amt} - 3.059\text{e-}002$$

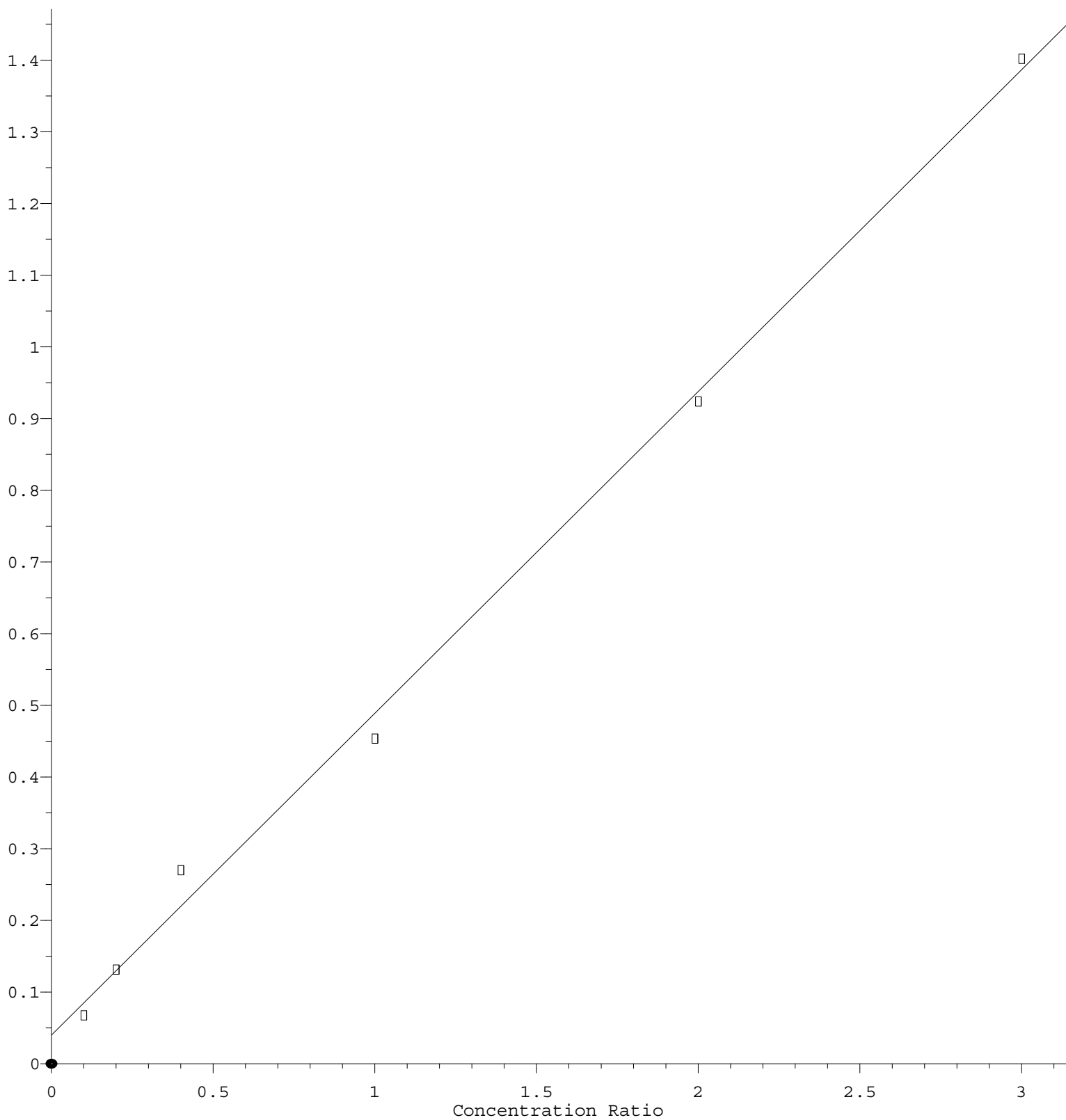
Coef of Det (r^2) = 0.997761 Curve Fit: Linear

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1,2-Dichloroethane-d4

Response Ratio



$$\text{Response} = 4.489\text{e-}001 * \text{Amt} + 4.004\text{e-}002$$

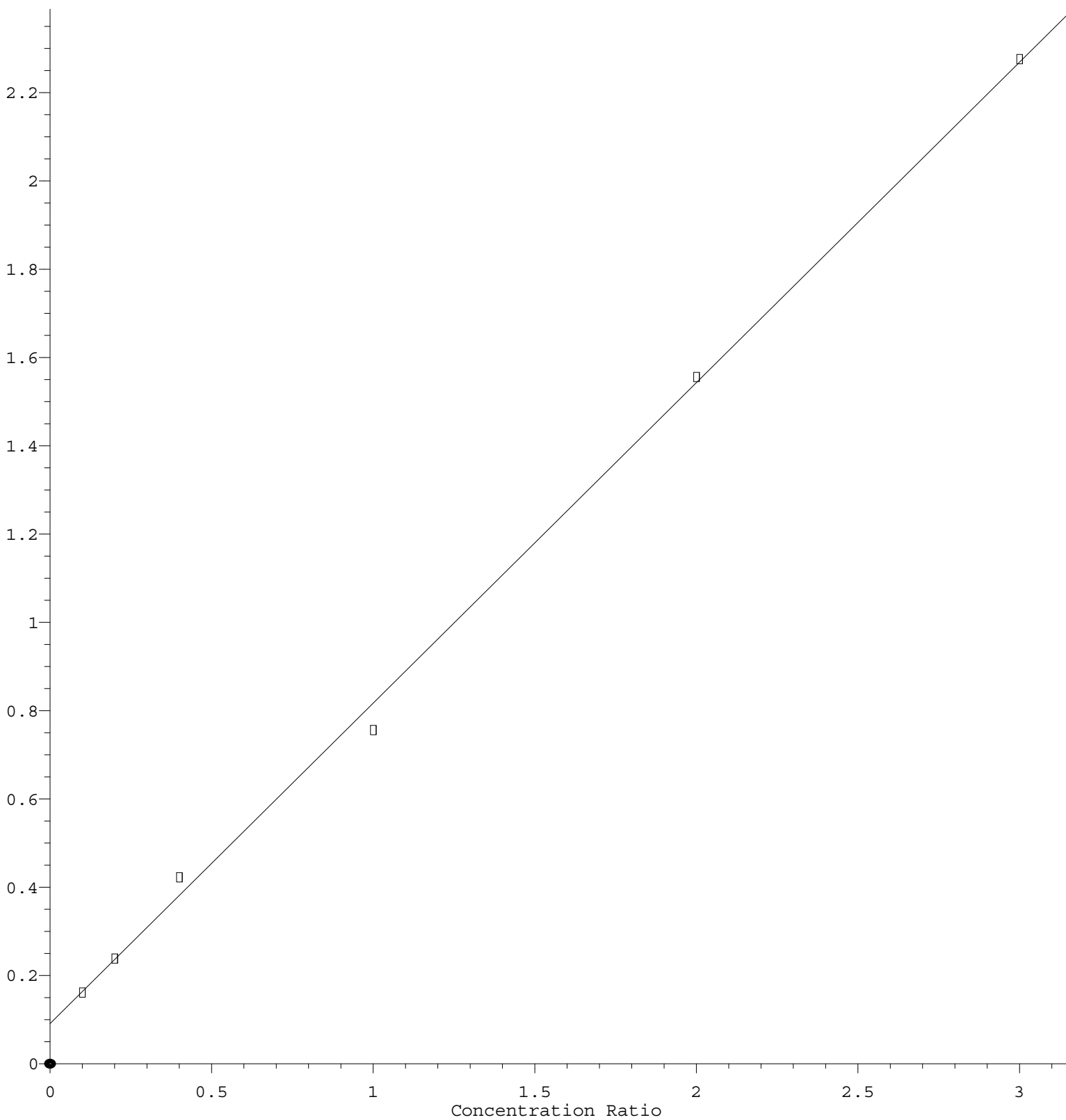
Coef of Det (r^2) = 0.996675 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 7.263\text{e-}001 * \text{Amt} + 9.055\text{e-}002$$

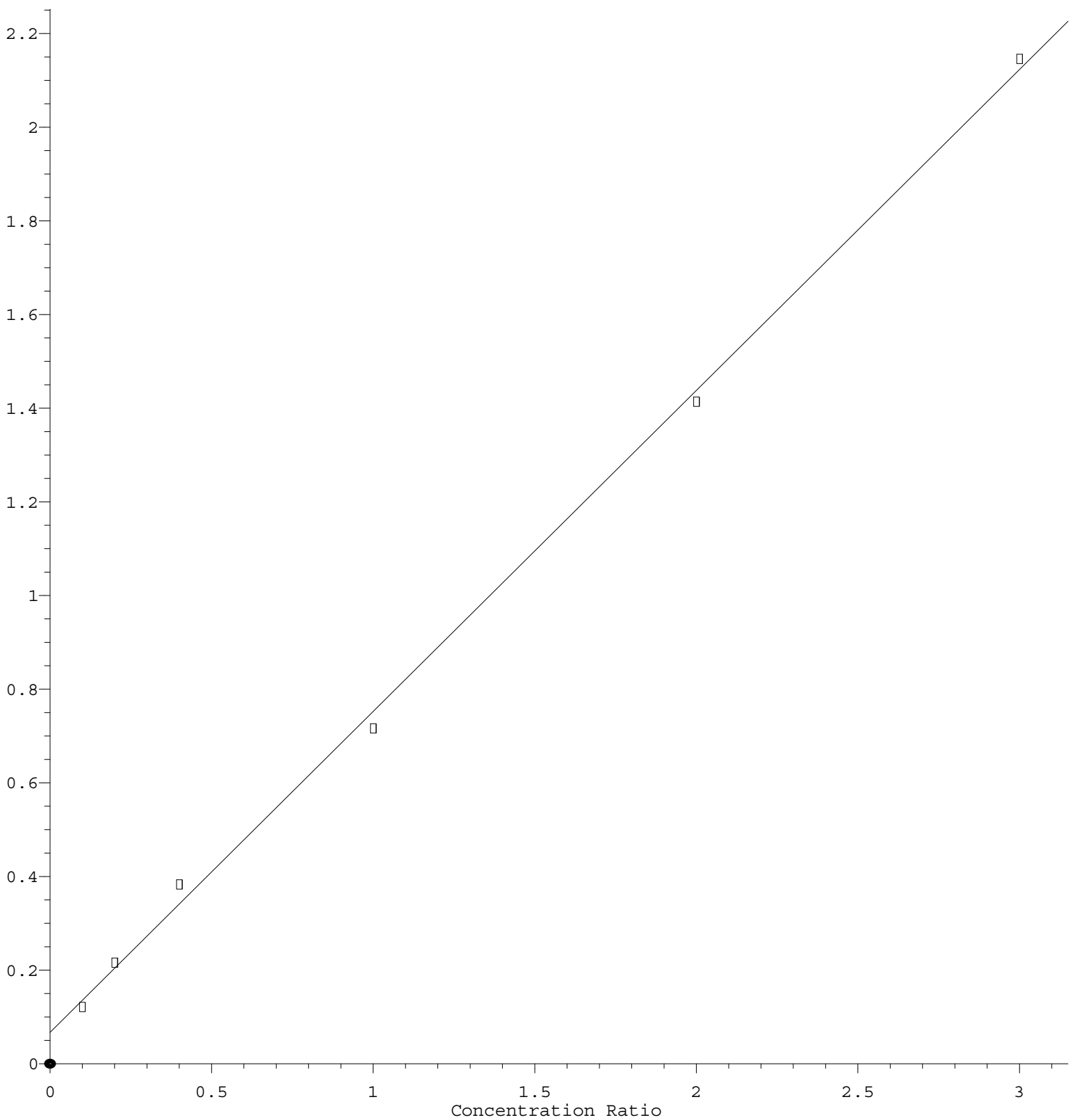
Coef of Det (r^2) = 0.998414 Curve Fit: Linear

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Bromomethane

Response Ratio



$$\text{Response} = 6.853\text{e-}001 * \text{Amt} + 6.737\text{e-}002$$

Coef of Det (r^2) = 0.998583 Curve Fit: Linear

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