

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D012224S.M
 Title : SW846 8260
 Last Update : Tue Jan 23 05:43:07 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD078197.D 10 =VD078188.D 20 =VD078195.D 50 =VD078190.D 100 =VD078191.D 150 =VD078192.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.750	0.673	0.628	0.485	0.465	0.455	0.576	21.61
3) P	Chloromethane	1.152	1.056	1.006	0.832	0.768	0.761	0.929	17.68
4) C	Vinyl Chloride	1.309	1.262	1.255	1.133	1.082	1.072	1.186	8.62#
5) T	Bromomethane	1.009	0.906	0.910	0.762	0.788	0.816	0.865	10.75
6) T	Chloroethane	0.935	0.876	0.836	0.816	0.756	0.751	0.828	8.58
7) T	Trichlorofluor...	1.250	1.164	1.095	0.995	0.979	0.989	1.078	10.30
8) T	Diethyl Ether	0.322	0.293	0.290	0.282	0.302	0.305	0.299	4.69
9) T	1,1,2-Trichlor...	0.665	0.682	0.640	0.595	0.588	0.579	0.625	6.97
10) T	Methyl Iodide	0.551	0.586	0.559	0.678	0.688	0.695	0.626	10.81
11) T	Tert butyl alc...	0.029	0.026	0.026	0.028	0.030	0.029	0.028	6.29
12) CM	1,1-Dichloroet...	0.679	0.634	0.648	0.569	0.593	0.589	0.619	6.77#
13) T	Acrolein	0.061	0.070	0.053	0.068	0.067	0.069	0.065	10.29
14) T	Allyl chloride	0.938	0.800	0.799	0.795	0.761	0.803	0.816	7.56
15) T	Acrylonitrile	0.147	0.135	0.122	0.133	0.132	0.135	0.134	5.99
16) T	Acetone	0.226	0.224	0.181	0.131	0.132	0.128	0.170	27.41
17) T	Carbon Disulfide	2.218	2.123	2.069	1.927	1.859	1.843	2.006	7.63
18) T	Methyl Acetate	0.540	0.473	0.424	0.508	0.499	0.502	0.491	8.00
19) T	Methyl tert-bu...	1.385	1.221	1.160	1.281	1.338	1.356	1.290	6.72
20) T	Methylene Chlo...	1.439	0.777	0.793	0.699	0.667	0.649	0.837	35.90
21) T	trans-1,2-Dich...	0.763	0.754	0.723	0.687	0.680	0.684	0.715	5.20
22) T	Diisopropyl ether	1.745	1.712	1.697	1.747	1.715	1.747	1.727	1.26
23) T	Vinyl Acetate	0.874	0.797	0.810	0.861	0.878	0.885	0.851	4.44
24) P	1,1-Dichloroet...	1.357	1.180	1.189	1.168	1.138	1.130	1.193	6.97
25) T	2-Butanone	0.245	0.246	0.196	0.168	0.175	0.176	0.201	17.60
26) T	2,2-Dichloropr...	1.066	1.004	0.970	0.975	0.990	0.993	1.000	3.45
27) T	cis-1,2-Dichlo...	0.790	0.744	0.768	0.755	0.779	0.774	0.768	2.14
28) T	Bromochloromet...	0.479	0.466	0.450	0.469	0.457	0.472	0.465	2.21
29) T	Tetrahydrofuran	0.091	0.095	0.085	0.096	0.098	0.099	0.094	5.40
30) C	Chloroform	1.340	1.193	1.200	1.195	1.183	1.171	1.214	5.18#
31) T	Cyclohexane	1.292	1.065	1.042	1.004	0.956	0.974	1.055	11.62
32) T	1,1,1-Trichlor...	1.105	1.071	1.043	1.033	1.009	1.031	1.048	3.26
33) S	1,2-Dichloroet...	0.567	0.608	0.514	0.584	0.581	0.570	0.571	5.48
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.328	0.327	0.312	0.337	0.336	0.335	0.329	2.90
36) T	1,1-Dichloropr...	0.563	0.544	0.517	0.534	0.550	0.540	0.541	2.90
37) T	Ethyl Acetate	0.232	0.202	0.181	0.190	0.204	0.199	0.201	8.55
38) T	Carbon Tetrach...	0.537	0.544	0.531	0.522	0.540	0.533	0.534	1.46
39) T	Methylcyclohexane	0.638	0.589	0.621	0.651	0.668	0.674	0.640	4.97
40) TM	Benzene	1.559	1.461	1.518	1.522	1.587	1.567	1.536	2.96
41) T	Methacrylonitrile	0.104	0.119	0.099	0.115	0.119	0.109	0.111	7.33
42) TM	1,2-Dichloroet...	0.416	0.398	0.374	0.403	0.408	0.398	0.400	3.59
43) T	Isopropyl Acetate	0.369	0.360	0.336	0.367	0.390	0.392	0.369	5.61
44) TM	Trichloroethene	0.406	0.387	0.394	0.378	0.397	0.395	0.393	2.44
45) C	1,2-Dichloropr...	0.378	0.390	0.370	0.379	0.386	0.384	0.381	1.90#
46) T	Dibromomethane	0.206	0.224	0.200	0.201	0.214	0.211	0.209	4.26
47) T	Bromodichlorom...	0.563	0.539	0.486	0.519	0.528	0.519	0.526	4.86
48) T	Methyl methacr...	0.216	0.200	0.191	0.214	0.231	0.229	0.214	7.35
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.84
50) S	Toluene-d8	1.242	1.225	1.220	1.355	1.396	1.380	1.303	6.32
51) T	4-Methyl-2-Pen...	0.193	0.189	0.172	0.196	0.206	0.208	0.194	6.79
52) CM	Toluene	0.971	0.927	0.945	0.969	1.013	1.015	0.973	3.63#
53) T	t-1,3-Dichloro...	0.466	0.458	0.449	0.486	0.528	0.522	0.485	6.89
54) T	cis-1,3-Dichlo...	0.538	0.571	0.556	0.591	0.618	0.613	0.581	5.48
55) T	1,1,2-Trichlor...	0.301	0.271	0.263	0.277	0.285	0.284	0.280	4.75
56) T	Ethyl methacry...	0.202	0.208	0.207	0.238	0.258	0.261	0.229	11.73

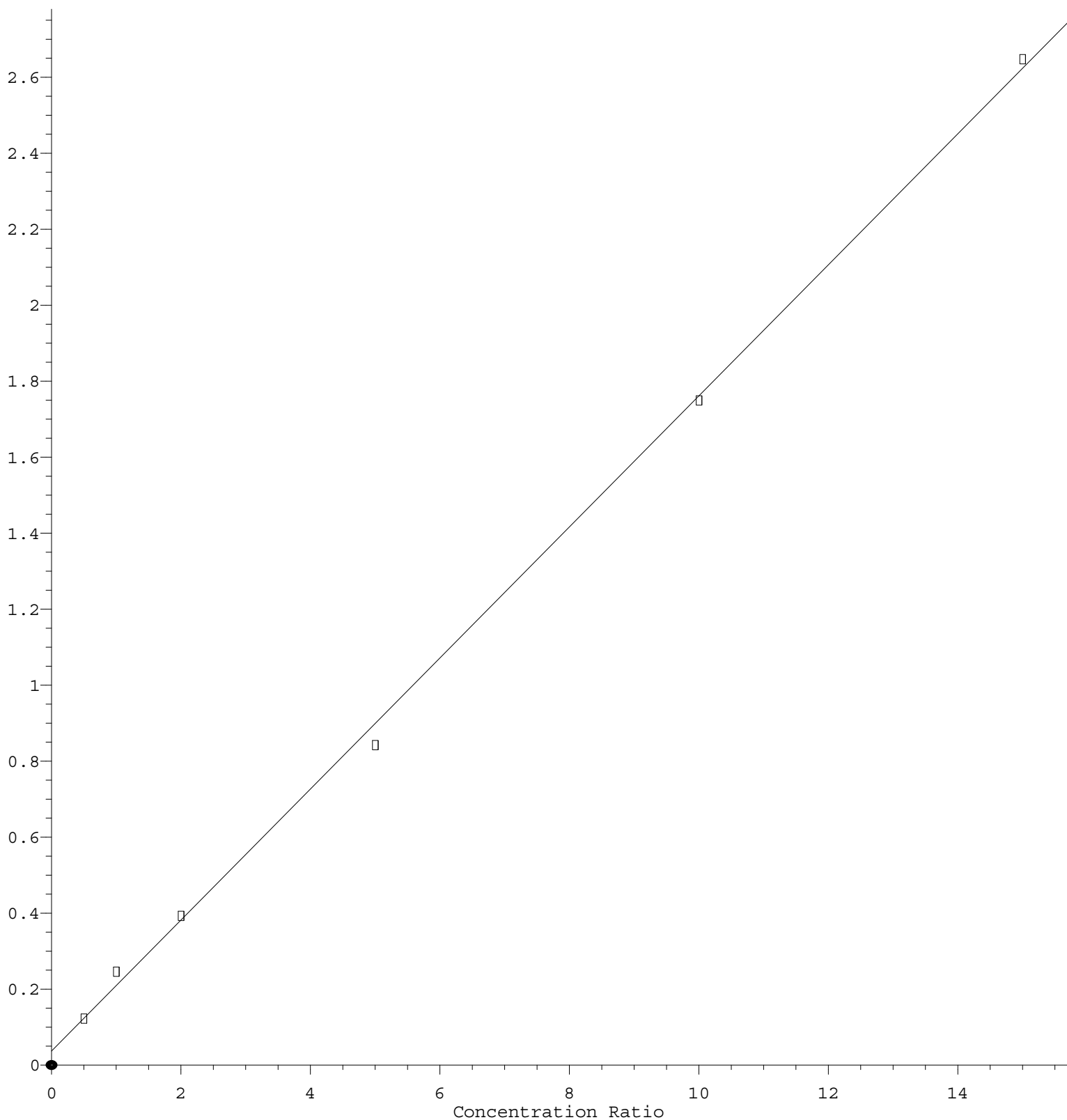
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57)	T	1,3-Dichloropr...	0.456	0.491	0.452	0.477	0.500	0.497	0.479	4.33
58)	T	2-Chloroethyl ...	0.118	0.123	0.125	0.145	0.154	0.160	0.137	12.85
59)	T	2-Hexanone	0.164	0.179	0.154	0.144	0.153	0.152	0.158	7.79
60)	T	Dibromochlorom...	0.328	0.321	0.315	0.329	0.349	0.339	0.330	3.71
61)	T	1,2-Dibromoethane	0.250	0.251	0.239	0.263	0.272	0.273	0.258	5.20
62)	S	4-Bromofluorob...	0.367	0.351	0.340	0.395	0.403	0.411	0.378	7.73
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.336	0.331	0.325	0.317	0.326	0.327	0.327	1.93
65)	PM	Chlorobenzene	1.118	1.107	1.089	1.090	1.102	1.122	1.105	1.25
66)	T	1,1,1,2-Tetrac...	0.382	0.379	0.378	0.397	0.412	0.419	0.395	4.52
67)	C	Ethyl Benzene	1.909	1.871	1.957	2.021	2.117	2.185	2.010	6.07#
68)	T	m/p-Xylenes	0.739	0.716	0.744	0.771	0.805	0.832	0.768	5.73
69)	T	o-Xylene	0.634	0.645	0.671	0.718	0.744	0.769	0.697	7.94
70)	T	Styrene	0.945	0.930	1.023	1.074	1.128	1.163	1.044	9.14
71)	P	Bromoform	0.208	0.197	0.176	0.190	0.203	0.199	0.195	5.90
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.878	3.704	3.862	3.916	4.027	4.201	3.931	4.27
74)	T	N-amyl acetate	0.774	0.707	0.679	0.753	0.786	0.815	0.752	6.77
75)	P	1,1,2,2-Tetrac...	0.806	0.751	0.687	0.727	0.705	0.713	0.732	5.77
76)	T	1,2,3-Trichlor...	0.512	0.497	0.383	0.479	0.505	0.502	0.480	10.13
77)	T	Bromobenzene	0.867	0.844	0.837	0.861	0.874	0.889	0.862	2.25
78)	T	n-propylbenzene	4.829	4.670	4.818	4.873	4.957	5.109	4.876	3.03
79)	T	2-Chlorotoluene	2.699	2.525	2.541	2.551	2.608	2.688	2.602	2.92
80)	T	1,3,5-Trimethy...	3.166	3.020	3.254	3.243	3.391	3.485	3.260	5.04
81)	T	trans-1,4-Dich...	0.224	0.203	0.203	0.223	0.241	0.242	0.223	7.80
82)	T	4-Chlorotoluene	2.876	2.591	2.693	2.671	2.803	2.823	2.743	3.94
83)	T	tert-Butylbenzene	2.589	2.515	2.644	2.743	2.876	2.984	2.725	6.55
84)	T	1,2,4-Trimethy...	3.086	3.061	3.225	3.296	3.493	3.620	3.297	6.75
85)	T	sec-Butylbenzene	4.146	3.917	4.026	4.074	4.233	4.361	4.126	3.81
86)	T	p-Isopropyltol...	3.362	3.300	3.464	3.588	3.838	3.991	3.591	7.62
87)	T	1,3-Dichlorobe...	1.790	1.742	1.674	1.750	1.858	1.894	1.785	4.53
88)	T	1,4-Dichlorobe...	1.858	1.704	1.770	1.703	1.749	1.794	1.763	3.33
89)	T	n-Butylbenzene	3.536	3.224	3.375	3.500	3.614	3.723	3.495	5.05
90)	T	Hexachloroethane	0.691	0.730	0.689	0.686	0.704	0.725	0.704	2.72
91)	T	1,2-Dichlorobe...	1.465	1.546	1.434	1.491	1.510	1.558	1.501	3.15
92)	T	1,2-Dibromo-3-...	0.120	0.111	0.092	0.099	0.100	0.105	0.105	9.31
93)	T	1,2,4-Trichlor...	0.969	0.860	0.888	0.911	0.949	0.989	0.928	5.38
94)	T	Hexachlorobuta...	0.423	0.443	0.450	0.446	0.457	0.470	0.448	3.49
95)	T	Naphthalene	1.630	1.495	1.550	1.761	1.944	2.026	1.734	12.43
96)	T	1,2,3-Trichlor...	0.793	0.712	0.722	0.776	0.826	0.842	0.778	6.82

(#) = Out of Range

2-Butanone

Response Ratio



$$\text{Response} = 1.725\text{e-}001 * \text{Amt} + 3.698\text{e-}002$$

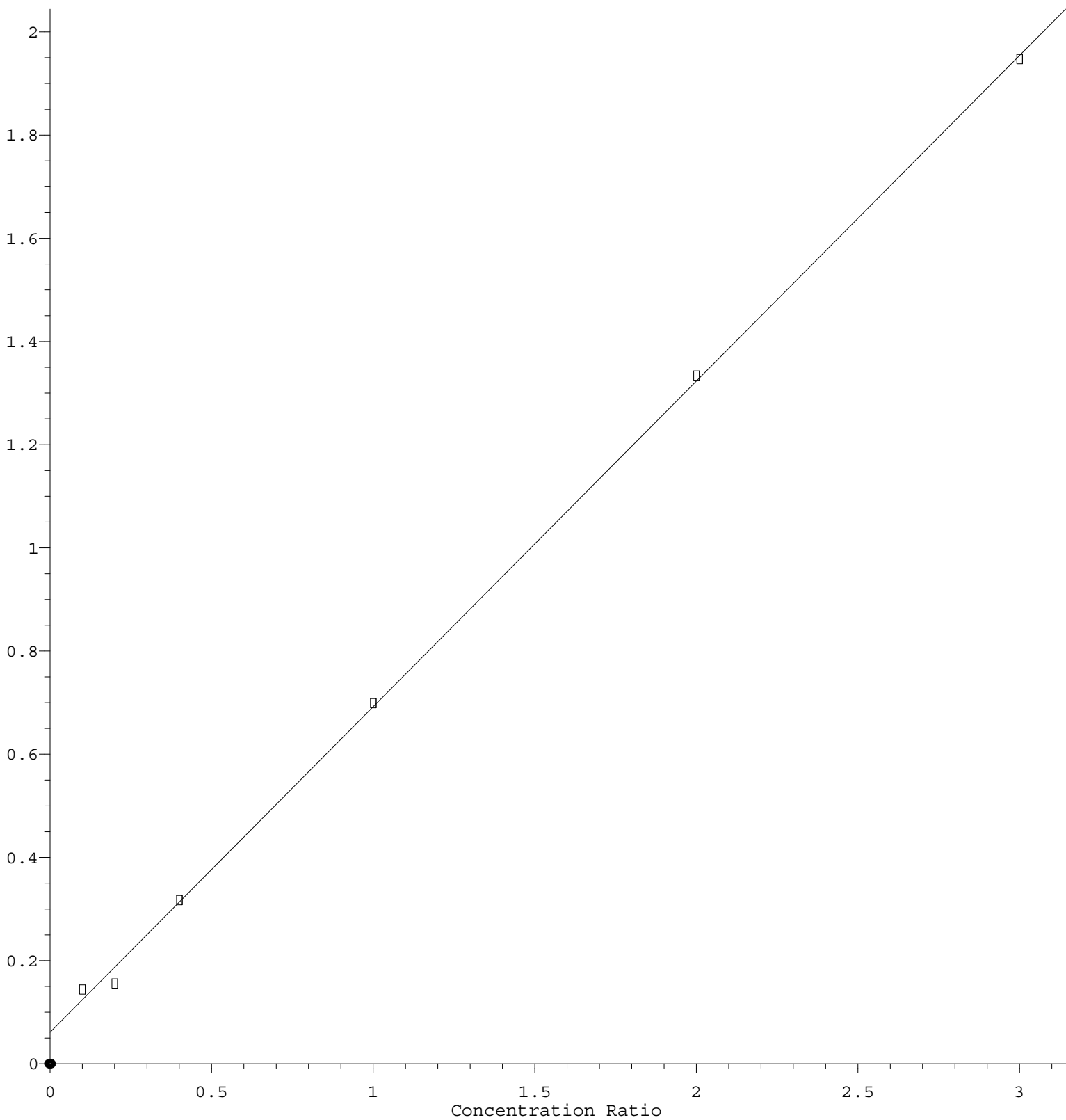
Coef of Det (r^2) = 0.998918 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 6.313\text{e-}001 * \text{Amt} + 6.104\text{e-}002$$

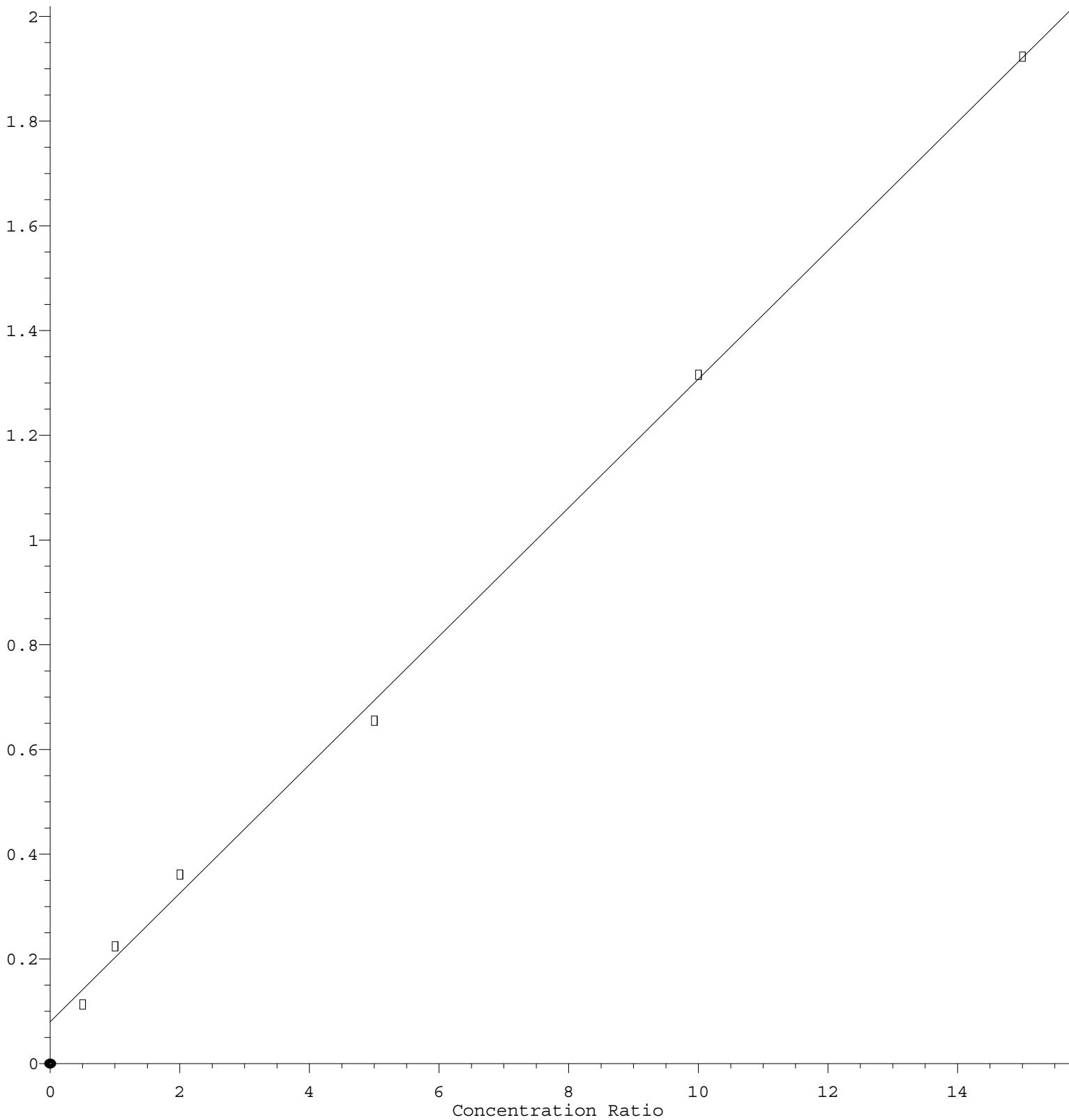
Coef of Det (r^2) = 0.999395 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 1.227\text{e-}001 * \text{Amt} + 7.998\text{e-}002$$

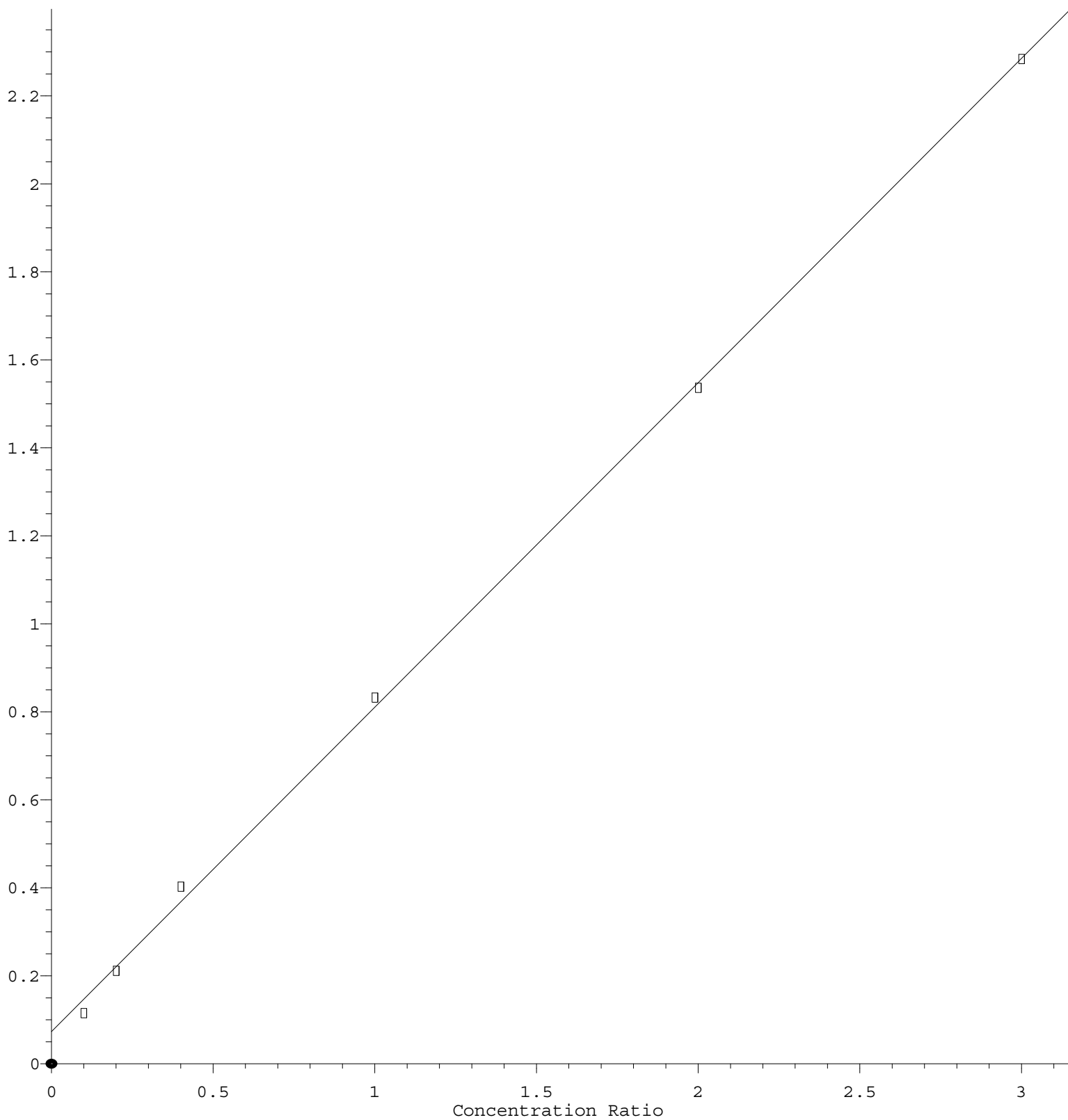
Coef of Det (r^2) = 0.998384 Curve Fit: Linear

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Chloromethane

Response Ratio



$$\text{Response} = 7.375\text{e-}001 * \text{Amt} + 7.333\text{e-}002$$

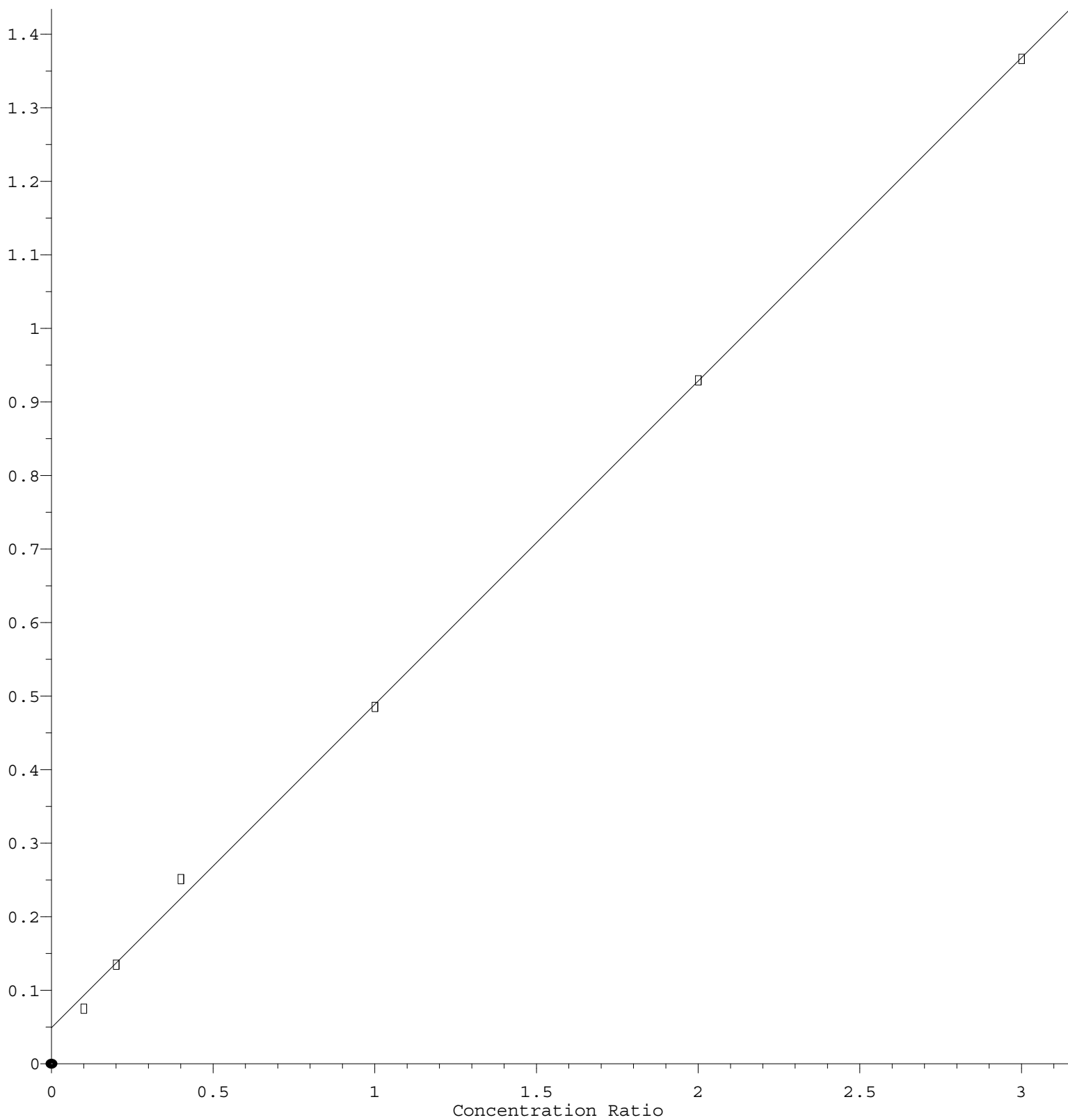
Coef of Det (r^2) = 0.999214 Curve Fit: Linear

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Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 4.396\text{e-}001 * \text{Amt} + 4.935\text{e-}002$$

Coef of Det (r^2) = 0.999207 Curve Fit: Linear

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