

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y021924S.M
 Title : SW846 8260
 Last Update : Tue Feb 20 06:16:24 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY017407.D 10 =VY017408.D 20 =VY017409.D 50 =VY017410.D 100 =VY017411.D 150 =VY017412.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.453	0.454	0.417	0.349	0.354	0.364	0.399	12.25
3) P	Chloromethane	0.934	0.931	0.835	0.794	0.712	0.676	0.814	13.27
4) C	Vinyl Chloride	1.209	1.202	1.089	0.974	0.951	0.931	1.059	11.88#
5) T	Bromomethane	1.070	1.006	0.899	0.757	0.763	0.744	0.873	16.14
6) T	Chloroethane	0.791	0.758	0.689	0.606	0.615	0.591	0.675	12.57
7) T	Trichlorofluor...	0.968	1.003	0.930	0.821	0.844	0.885	0.909	7.82
8) T	Diethyl Ether	0.268	0.265	0.264	0.231	0.261	0.252	0.257	5.29
9) T	1,1,2-Trichlor...	0.576	0.587	0.539	0.461	0.485	0.503	0.525	9.63
10) T	Methyl Iodide	0.510	0.527	0.554	0.536	0.606	0.619	0.559	7.94
11) T	Tert butyl alc...	0.044	0.037	0.035	0.023	0.032	0.028	0.033	21.41
12) CM	1,1-Dichloroet...	0.527	0.523	0.513	0.442	0.473	0.484	0.494	6.74#
13) T	Acrolein	0.050	0.043	0.051	0.036	0.046	0.041	0.044	12.05
14) T	Allyl chloride	0.630	0.632	0.610	0.540	0.588	0.591	0.598	5.73
15) T	Acrylonitrile	0.110	0.102	0.106	0.089	0.109	0.097	0.102	7.89
16) T	Acetone	0.105	0.096	0.096	0.080	0.095	0.082	0.093	10.35
17) T	Carbon Disulfide	1.701	1.734	1.626	1.395	1.469	1.484	1.568	8.82
18) T	Methyl Acetate	0.228	0.202	0.207	0.189	0.229	0.205	0.210	7.42
19) T	Methyl tert-bu...	1.096	1.107	1.123	1.001	1.214	1.150	1.115	6.28
20) T	Methylene Chlo...	1.219	0.905	0.689	0.533	0.539	0.523	0.735	37.99
21) T	trans-1,2-Dich...	0.576	0.607	0.587	0.512	0.567	0.577	0.571	5.57
22) T	Diisopropyl ether	1.373	1.407	1.415	1.263	1.429	1.369	1.376	4.38
23) T	Vinyl Acetate	0.792	0.806	0.842	0.743	0.896	0.828	0.818	6.29
24) P	1,1-Dichloroet...	1.008	1.004	0.936	0.830	0.914	0.905	0.933	7.18
25) T	2-Butanone	0.137	0.126	0.134	0.112	0.144	0.125	0.130	8.59
26) T	2,2-Dichloropr...	0.853	0.832	0.807	0.716	0.798	0.810	0.803	5.83
27) T	cis-1,2-Dichlo...	0.649	0.647	0.635	0.570	0.651	0.651	0.634	5.05
28) T	Bromochloromet...	0.381	0.367	0.314	0.352	0.360	0.326	0.350	7.26
29) T	Tetrahydrofuran	0.076	0.074	0.081	0.067	0.086	0.074	0.076	8.44
30) C	Chloroform	1.064	1.037	1.006	0.874	0.969	0.959	0.985	6.82#
31) T	Cyclohexane	0.973	0.913	0.852	0.741	0.792	0.802	0.846	10.11
32) T	1,1,1-Trichlor...	0.931	0.929	0.866	0.770	0.852	0.872	0.870	6.81
33) S	1,2-Dichloroet...	0.438	0.369	0.452	0.441	0.458	0.404	0.427	7.99
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.274	0.255	0.298	0.304	0.320	0.304	0.293	8.04
36) T	1,1-Dichloropr...	0.495	0.520	0.477	0.440	0.488	0.513	0.489	5.89
37) T	Ethyl Acetate	0.197	0.179	0.177	0.152	0.192	0.171	0.178	9.10
38) T	Carbon Tetrach...	0.491	0.512	0.470	0.441	0.486	0.521	0.487	5.96
39) T	Methylcyclohexane	0.563	0.601	0.578	0.554	0.631	0.663	0.598	7.08
40) TM	Benzene	1.453	1.465	1.414	1.292	1.455	1.490	1.428	4.97
41) T	Methacrylonitrile	0.079	0.077	0.093	0.087	0.098	0.088	0.087	9.27
42) TM	1,2-Dichloroet...	0.371	0.358	0.342	0.306	0.357	0.347	0.347	6.40
43) T	Isopropyl Acetate	0.303	0.313	0.323	0.291	0.364	0.337	0.322	8.12
44) TM	Trichloroethene	0.396	0.402	0.379	0.346	0.389	0.411	0.387	5.90
45) C	1,2-Dichloropr...	0.327	0.336	0.330	0.301	0.342	0.346	0.330	4.87#
46) T	Dibromomethane	0.195	0.186	0.186	0.166	0.200	0.194	0.188	6.44
47) T	Bromodichlorom...	0.463	0.472	0.453	0.419	0.479	0.482	0.461	5.06
48) T	Methyl methacr...	0.137	0.143	0.153	0.139	0.173	0.160	0.151	9.31
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	12.21
50) S	Toluene-d8	1.023	0.947	1.155	1.225	1.260	1.201	1.135	10.89
51) T	4-Methyl-2-Pen...	0.167	0.162	0.173	0.157	0.201	0.180	0.173	9.10
52) CM	Toluene	0.841	0.895	0.865	0.820	0.944	0.984	0.892	7.03#
53) T	t-1,3-Dichloro...	0.395	0.411	0.413	0.392	0.477	0.475	0.427	9.11
54) T	cis-1,3-Dichlo...	0.518	0.514	0.511	0.475	0.563	0.564	0.524	6.54
55) T	1,1,2-Trichlor...	0.263	0.258	0.253	0.230	0.276	0.270	0.258	6.29
56) T	Ethyl methacry...	0.234	0.257	0.283	0.276	0.360	0.339	0.291	16.65

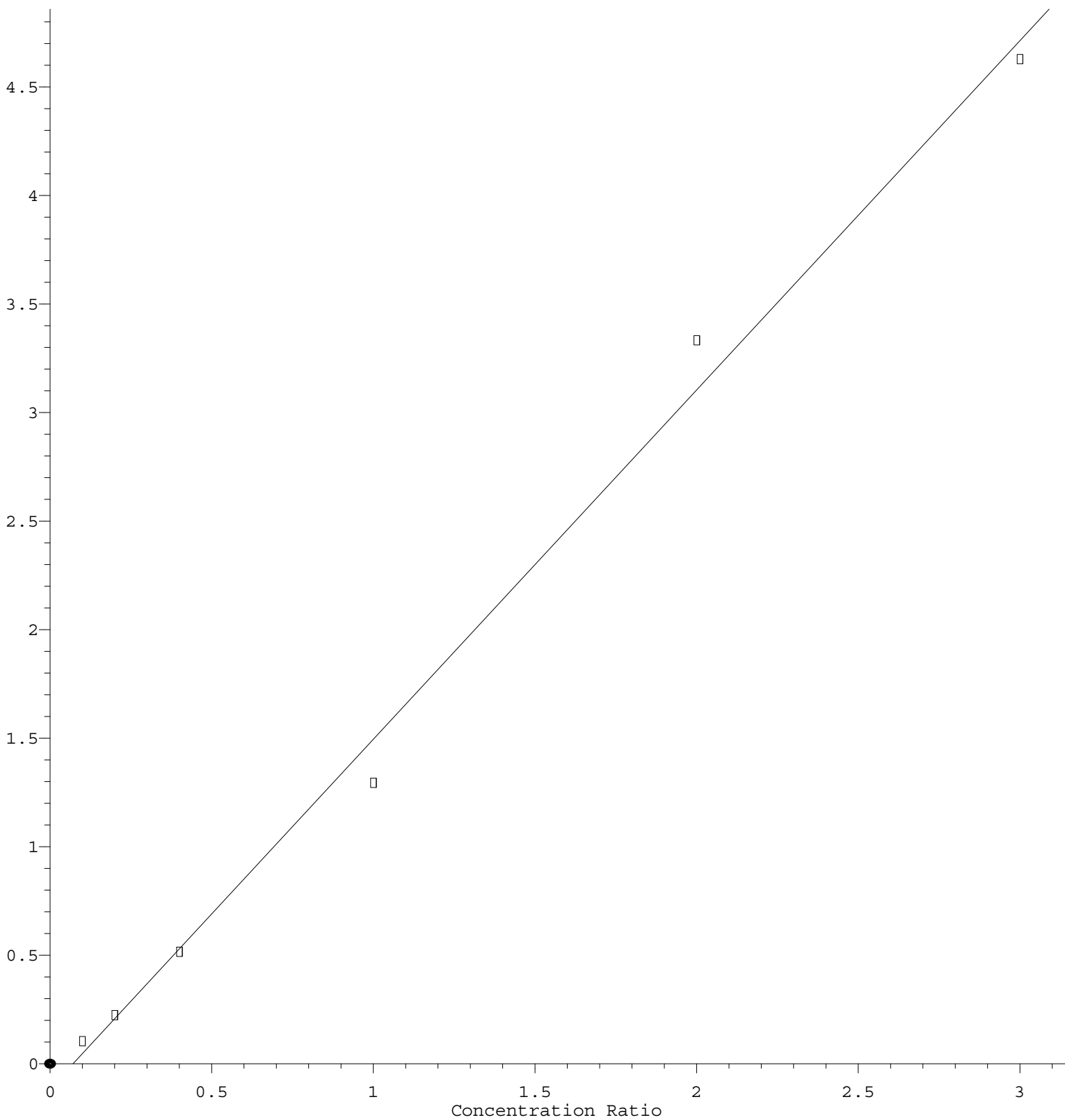
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57)	T	1,3-Dichloropr...	0.424	0.429	0.422	0.386	0.460	0.442	0.427	5.77
58)	T	2-Chloroethyl ...	0.129	0.133	0.150	0.162	0.171	0.179	0.154	13.16
59)	T	2-Hexanone	0.106	0.107	0.121	0.111	0.145	0.126	0.119	12.43
60)	T	Dibromochlorom...	0.303	0.296	0.296	0.276	0.335	0.335	0.307	7.70
61)	T	1,2-Dibromoethane	0.235	0.241	0.236	0.218	0.264	0.256	0.242	6.71
62)	S	4-Bromofluorob...	0.287	0.276	0.347	0.376	0.403	0.381	0.345	15.11
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.415	0.422	0.387	0.356	0.401	0.419	0.400	6.34
65)	PM	Chlorobenzene	1.102	1.111	1.056	0.966	1.104	1.124	1.077	5.49
66)	T	1,1,1,2-Tetrac...	0.391	0.404	0.384	0.359	0.427	0.441	0.401	7.49
67)	C	Ethyl Benzene	1.760	1.904	1.863	1.788	2.065	2.178	1.926	8.49#
68)	T	m/p-Xylenes	0.694	0.746	0.726	0.706	0.816	0.857	0.757	8.57
69)	T	o-Xylene	0.620	0.669	0.658	0.648	0.770	0.803	0.695	10.60
70)	T	Styrene	0.946	1.073	1.105	1.087	1.295	1.340	1.141	13.00
71)	P	Bromoform	0.199	0.197	0.205	0.188	0.234	0.229	0.209	8.93
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.639	3.995	3.764	3.550	4.025	4.201	3.862	6.50
74)	T	N-amyl acetate	0.617	0.641	0.676	0.621	0.768	0.712	0.672	8.78
75)	P	1,1,2,2-Tetrac...	0.735	0.707	0.688	0.604	0.726	0.682	0.690	6.83
76)	T	1,2,3-Trichlor...	0.519	0.537	0.423	0.445	0.513	0.472	0.485	9.35
77)	T	Bromobenzene	0.927	0.929	0.883	0.800	0.938	0.958	0.906	6.34
78)	T	n-propylbenzene	4.381	4.867	4.671	4.314	4.836	4.960	4.672	5.75
79)	T	2-Chlorotoluene	2.512	2.722	2.550	2.319	2.629	2.702	2.572	5.78
80)	T	1,3,5-Trimethy...	2.855	3.106	3.054	2.892	3.264	3.365	3.089	6.51
81)	T	trans-1,4-Dich...	0.193	0.192	0.211	0.187	0.242	0.223	0.208	10.29
82)	T	4-Chlorotoluene	2.593	2.811	2.580	2.386	2.754	2.804	2.654	6.26
83)	T	tert-Butylbenzene	2.494	2.774	2.643	2.478	2.865	2.931	2.698	7.05
84)	T	1,2,4-Trimethy...	2.755	3.060	3.021	2.864	3.301	3.362	3.060	7.77
85)	T	sec-Butylbenzene	3.877	4.274	4.146	3.869	4.335	4.359	4.143	5.36
86)	T	p-Isopropyltol...	3.077	3.380	3.343	3.199	3.678	3.798	3.413	8.11
87)	T	1,3-Dichlorobe...	1.798	1.888	1.757	1.637	1.919	1.977	1.829	6.77
88)	T	1,4-Dichlorobe...	1.807	1.838	1.757	1.579	1.793	1.822	1.766	5.41
89)	T	n-Butylbenzene	2.878	3.131	3.082	2.934	3.293	3.303	3.104	5.71
90)	T	Hexachloroethane	0.683	0.707	0.665	0.597	0.678	0.683	0.669	5.66
91)	T	1,2-Dichlorobe...	1.588	1.580	1.504	1.382	1.596	1.589	1.540	5.49
92)	T	1,2-Dibromo-3-...	0.090	0.088	0.089	0.078	0.094	0.085	0.087	6.21
93)	T	1,2,4-Trichlor...	0.744	0.771	0.802	0.760	0.889	0.864	0.805	7.36
94)	T	Hexachlorobuta...	0.506	0.522	0.508	0.440	0.484	0.477	0.490	6.01
95)	T	Naphthalene	1.042	1.119	1.289	1.294	1.666	1.543	1.326	18.11
96)	T	1,2,3-Trichlor...	0.647	0.634	0.669	0.639	0.760	0.712	0.677	7.34

(#) = Out of Range

Naphthalene

Response Ratio



$$\text{Response} = 1.609\text{e}+000 * \text{Amt} - 1.139\text{e}-001$$

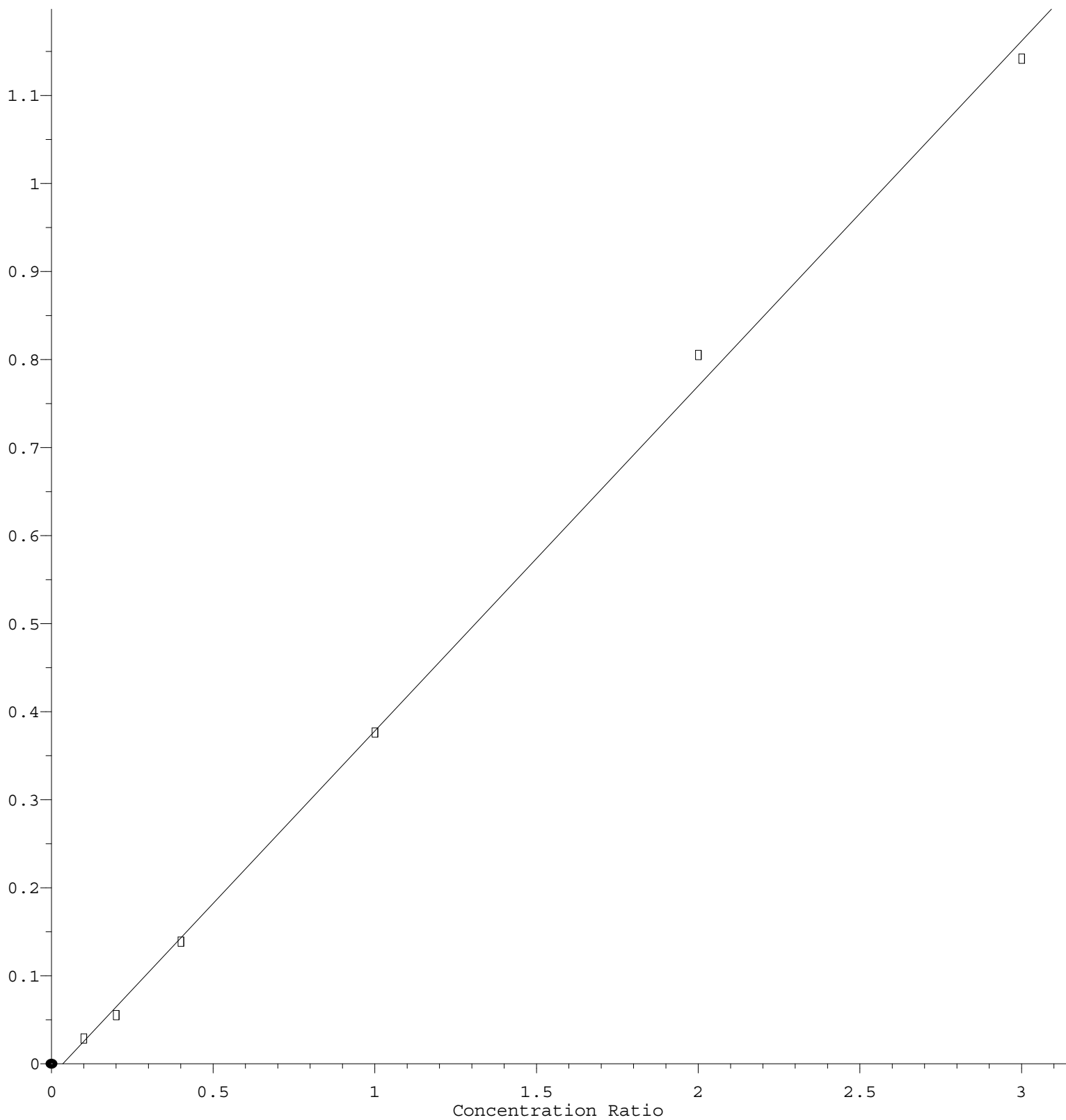
Coef of Det (r^2) = 0.994089 Curve Fit: Linear

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4-Bromofluorobenzene

Response Ratio



$$\text{Response} = 3.921\text{e-}001 * \text{Amt} - 1.355\text{e-}002$$

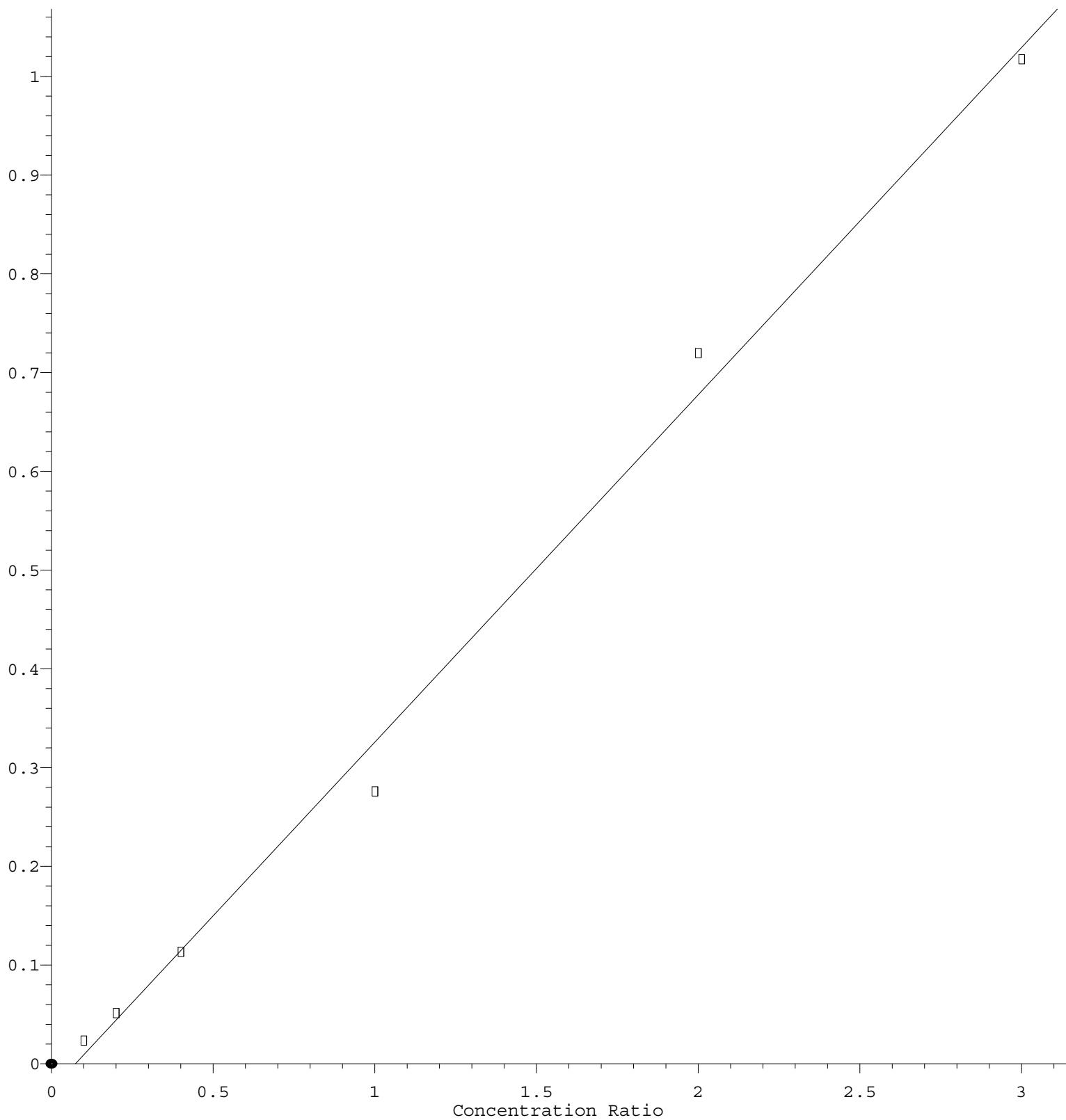
Coef of Det (r^2) = 0.998301 Curve Fit: Linear

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Ethyl methacrylate

Response Ratio



$$\text{Response} = 3.519\text{e-}001 * \text{Amt} - 2.608\text{e-}002$$

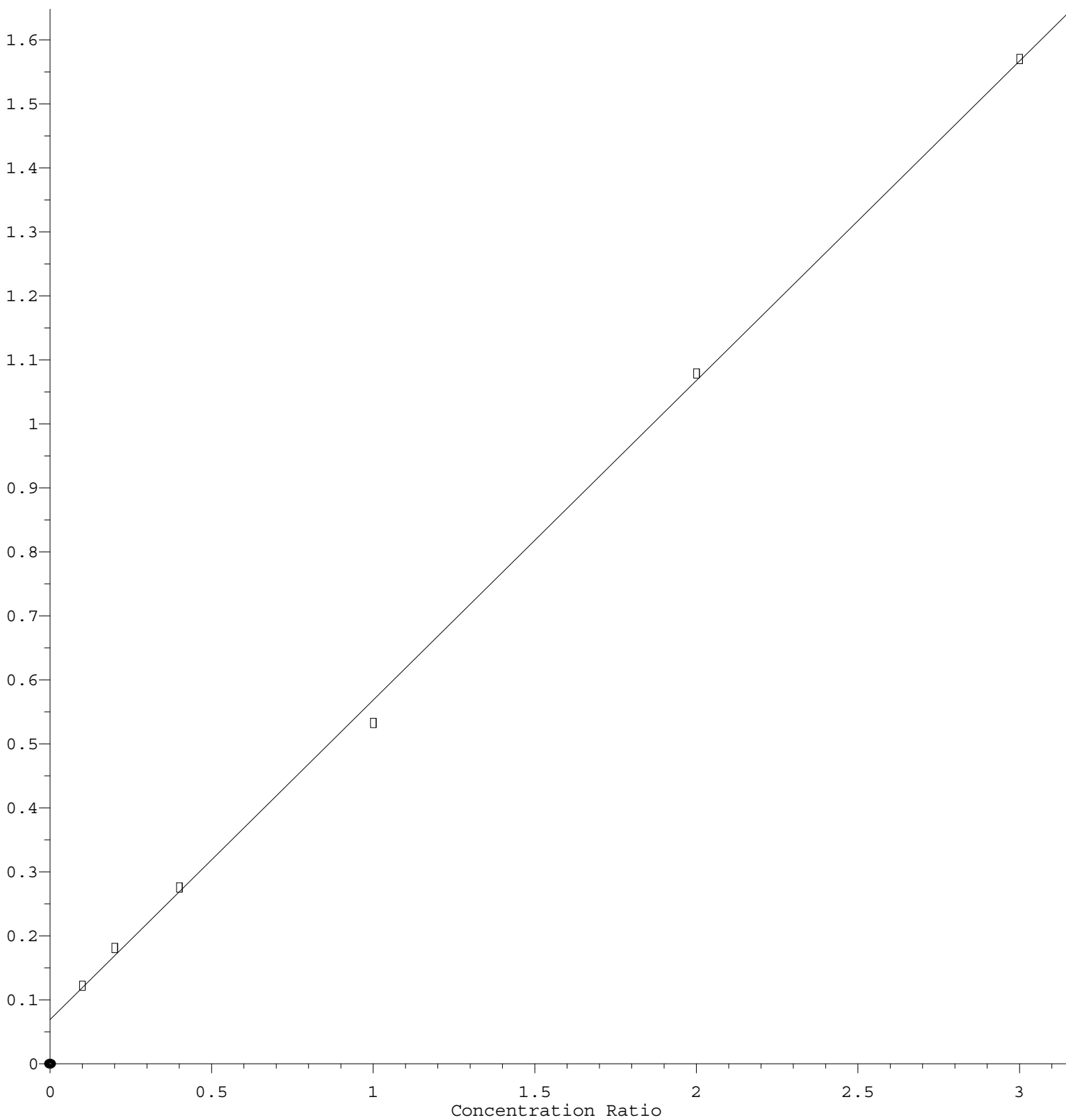
Coef of Det (r^2) = 0.994416 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 4.995\text{e-}001 * \text{Amt} + 6.891\text{e-}002$$

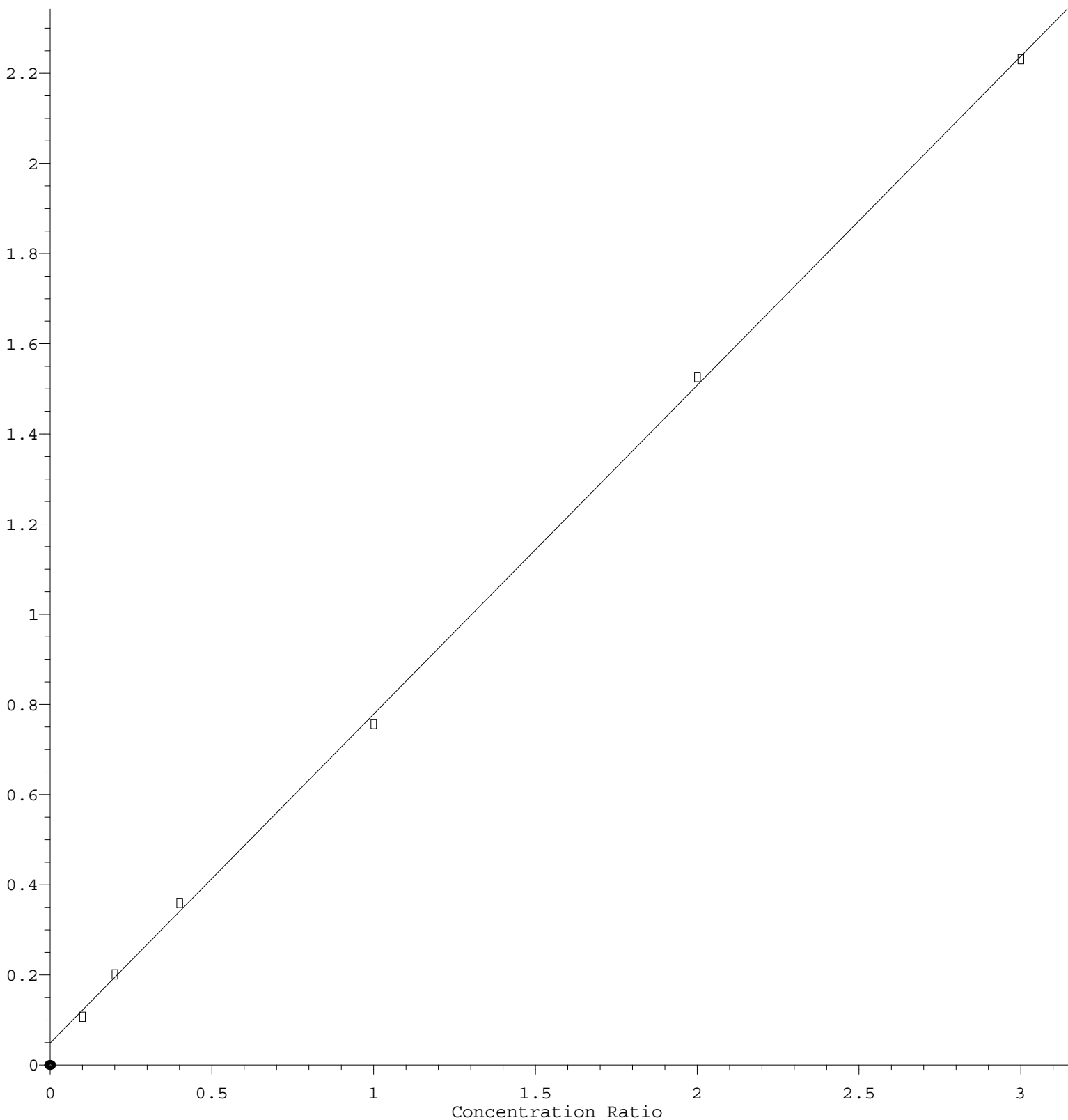
Coef of Det (r^2) = 0.999045 Curve Fit: Linear

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Bromomethane

Response Ratio



$$\text{Response} = 7.298\text{e-}001 * \text{Amt} + 4.859\text{e-}002$$

Coef of Det (r^2) = 0.999592 Curve Fit: Linear

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