

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D120823S.M
 Title : SW846 8260
 Last Update : Fri Dec 08 13:33:18 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD077782.D 10 =VD077783.D 20 =VD077789.D 50 =VD077785.D 100 =VD077786.D 150 =VD077787.D

	Compound	5	10	20	50	100	150	Avg	%RSD

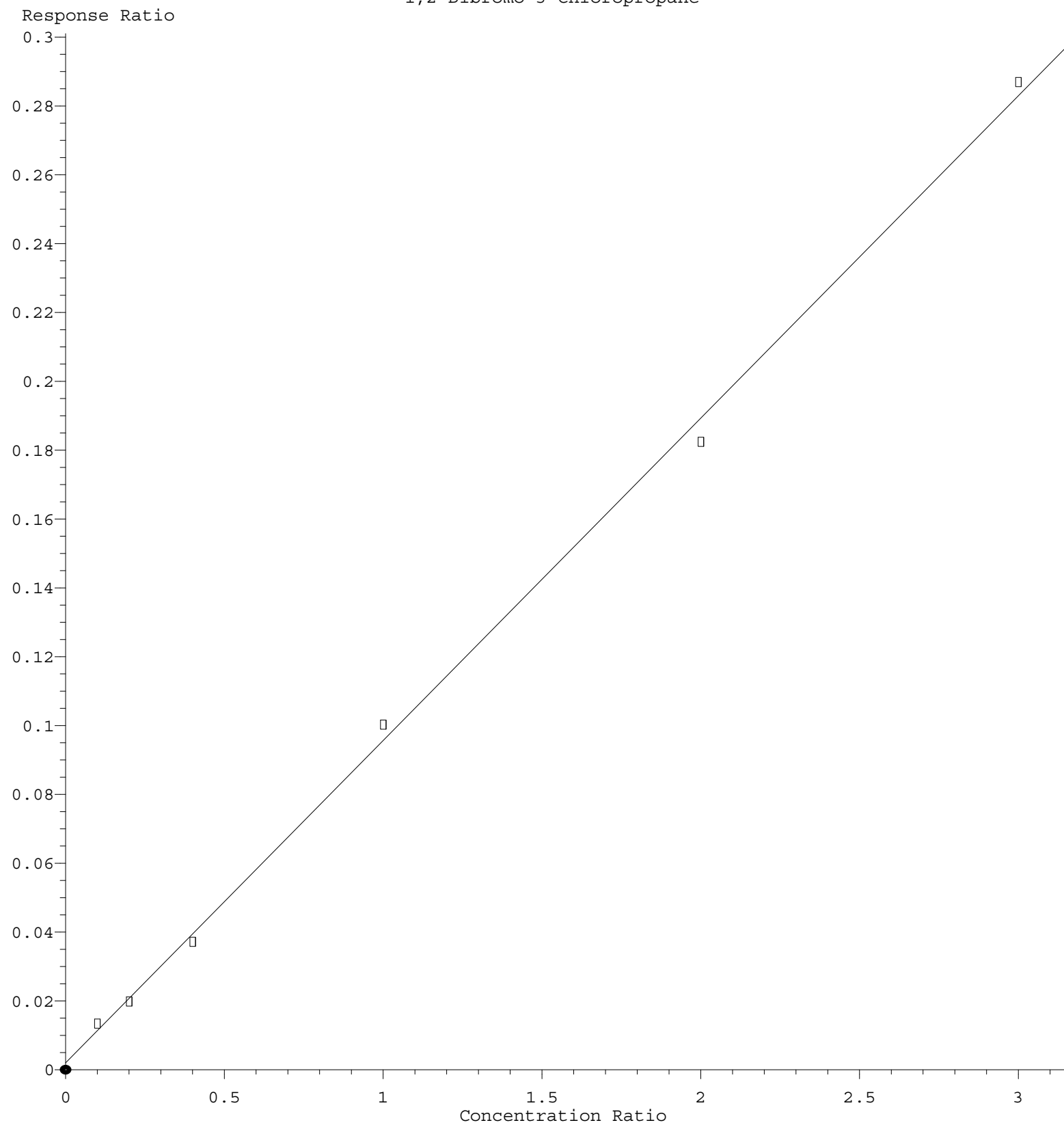
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.761	0.640	0.651	0.604	0.538	0.554	0.625	12.88
3) P	Chloromethane	0.957	0.898	0.889	0.839	0.753	0.771	0.851	9.26
4) C	Vinyl Chloride	1.288	1.185	1.120	1.187	1.077	1.078	1.156	7.01#
5) T	Bromomethane	0.599	0.659	0.600	0.674	0.657	0.703	0.649	6.37
6) T	Chloroethane	0.884	0.838	0.767	0.804	0.705	0.730	0.788	8.54
7) T	Trichlorofluor...	1.179	1.067	1.090	1.087	0.970	0.994	1.064	7.05
8) T	Diethyl Ether	0.298	0.301	0.300	0.307	0.288	0.299	0.299	2.06
9) T	1,1,2-Trichlor...	0.685	0.607	0.599	0.629	0.557	0.577	0.609	7.31
10) T	Methyl Iodide	0.131	0.261	0.311	0.542	0.551	0.600	0.399	47.86
11) T	Tert butyl alc...	0.038	0.037	0.032	0.028	0.027	0.028	0.032	15.96
12) CM	1,1-Dichloroet...	0.639	0.584	0.590	0.622	0.578	0.592	0.601	4.01#
13) T	Acrolein	0.062	0.072	0.053	0.062	0.066	0.059	0.062	10.32
14) T	Allyl chloride	0.868	0.823	0.822	0.841	0.786	0.820	0.827	3.25
15) T	Acrylonitrile	0.133	0.127	0.128	0.129	0.123	0.128	0.128	2.45
16) T	Acetone	0.229	0.196	0.185	0.118	0.116	0.119	0.161	30.71
17) T	Carbon Disulfide	2.314	2.096	1.976	2.072	1.857	1.885	2.033	8.24
18) T	Methyl Acetate	0.486	0.470	0.450	0.467	0.447	0.465	0.464	3.09
19) T	Methyl tert-bu...	1.312	1.213	1.231	1.301	1.260	1.333	1.275	3.76
20) T	Methylene Chlo...	1.222	0.961	0.792	0.727	0.653	0.655	0.835	26.52
21) T	trans-1,2-Dich...	0.676	0.689	0.671	0.724	0.659	0.665	0.681	3.46
22) T	Diisopropyl ether	1.708	1.672	1.694	1.806	1.713	1.771	1.727	2.94
23) T	Vinyl Acetate	0.801	0.820	0.831	0.877	0.855	0.878	0.844	3.75
24) P	1,1-Dichloroet...	1.261	1.186	1.151	1.203	1.102	1.115	1.170	5.07
25) T	2-Butanone	0.235	0.219	0.193	0.154	0.154	0.158	0.185	19.31
26) T	2,2-Dichloropr...	1.059	0.951	0.971	1.004	0.936	0.971	0.982	4.49
27) T	cis-1,2-Dichlo...	0.727	0.721	0.706	0.769	0.725	0.747	0.733	3.04
28) T	Bromochloromet...	0.466	0.476	0.469	0.487	0.475	0.465	0.473	1.78
29) T	Tetrahydrofuran	0.098	0.093	0.092	0.094	0.091	0.095	0.094	2.78
30) C	Chloroform	1.290	1.185	1.101	1.217	1.115	1.117	1.171	6.34#
31) T	Cyclohexane	1.249	1.056	1.040	1.055	0.932	0.956	1.048	10.67
32) T	1,1,1-Trichlor...	1.110	1.005	1.008	1.079	0.985	1.007	1.032	4.83
33) S	1,2-Dichloroet...	0.602	0.636	0.565	0.606	0.546	0.580	0.589	5.44
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.344	0.349	0.330	0.379	0.333	0.365	0.350	5.39
36) T	1,1-Dichloropr...	0.568	0.553	0.549	0.614	0.517	0.560	0.560	5.60
37) T	Ethyl Acetate	0.283	0.219	0.207	0.207	0.195	0.200	0.218	14.93
38) T	Carbon Tetrach...	0.595	0.523	0.529	0.610	0.531	0.563	0.558	6.67
39) T	Methylcyclohexane	0.648	0.620	0.641	0.746	0.634	0.695	0.664	7.15
40) TM	Benzene	1.615	1.559	1.510	1.729	1.516	1.611	1.590	5.13
41) T	Methacrylonitrile	0.126	0.103	0.115	0.109	0.101	0.112	0.111	8.43
42) TM	1,2-Dichloroet...	0.431	0.389	0.406	0.444	0.391	0.411	0.412	5.29
43) T	Isopropyl Acetate	0.409	0.365	0.369	0.404	0.378	0.405	0.388	5.07
44) TM	Trichloroethene	0.418	0.402	0.402	0.456	0.391	0.418	0.414	5.56
45) C	1,2-Dichloropr...	0.405	0.348	0.376	0.417	0.377	0.396	0.387	6.38#
46) T	Dibromomethane	0.204	0.200	0.192	0.221	0.201	0.209	0.205	4.78
47) T	Bromodichlorom...	0.520	0.507	0.492	0.567	0.500	0.524	0.518	5.10
48) T	Methyl methacr...	0.207	0.219	0.205	0.234	0.221	0.239	0.221	6.21
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	12.36
50) S	Toluene-d8	1.273	1.363	1.347	1.565	1.367	1.502	1.403	7.73
51) T	4-Methyl-2-Pen...	0.195	0.184	0.196	0.211	0.194	0.208	0.198	4.99
52) CM	Toluene	0.946	0.898	0.946	1.107	0.971	1.049	0.986	7.81#
53) T	t-1,3-Dichloro...	0.470	0.452	0.481	0.544	0.501	0.538	0.498	7.47
54) T	cis-1,3-Dichlo...	0.593	0.556	0.581	0.659	0.596	0.627	0.602	6.01
55) T	1,1,2-Trichlor...	0.280	0.279	0.263	0.301	0.268	0.286	0.280	4.78
56) T	Ethyl methacry...	0.239	0.222	0.239	0.268	0.247	0.265	0.247	7.02

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57)	T	1,3-Dichloropr...	0.469	0.464	0.463	0.524	0.475	0.498	0.482	5.03
58)	T	2-Chloroethyl ...	0.126	0.135	0.140	0.139	0.152	0.152	0.141	7.16
59)	T	2-Hexanone	0.190	0.178	0.173	0.153	0.141	0.151	0.164	11.38
60)	T	Dibromochlorom...	0.339	0.301	0.319	0.366	0.337	0.359	0.337	7.32
61)	T	1,2-Dibromoethane	0.253	0.268	0.251	0.279	0.257	0.271	0.263	4.14
62)	S	4-Bromofluorob...	0.407	0.396	0.399	0.456	0.413	0.446	0.419	6.04
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.364	0.350	0.355	0.398	0.357	0.380	0.367	5.03
65)	PM	Chlorobenzene	1.867	1.340	1.142	1.235	1.115	1.163	1.310	21.71
66)	T	1,1,1,2-Tetrac...	0.405	0.403	0.385	0.448	0.412	0.442	0.416	5.85
67)	C	Ethyl Benzene	1.967	1.925	1.998	2.268	2.084	2.248	2.082	7.03#
68)	T	m/p-Xylenes	0.721	0.728	0.759	0.886	0.814	0.870	0.796	8.99
69)	T	o-Xylene	0.669	0.673	0.687	0.808	0.755	0.811	0.734	9.05
70)	T	Styrene	0.986	0.964	1.051	1.211	1.132	1.203	1.091	9.82
71)	P	Bromoform	0.226	0.199	0.212	0.230	0.217	0.220	0.217	4.98
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.891	3.487	3.644	4.086	3.682	3.947	3.790	5.87
74)	T	N-amyl acetate	0.728	0.739	0.734	0.752	0.740	0.777	0.745	2.35
75)	P	1,1,2,2-Tetrac...	0.656	0.696	0.657	0.691	0.620	0.645	0.661	4.33
76)	T	1,2,3-Trichlor...	0.423	0.485	0.411	0.519	0.377	0.390	0.434	12.86
77)	T	Bromobenzene	0.952	0.880	0.834	0.925	0.848	0.909	0.891	5.12
78)	T	n-propylbenzene	4.644	4.330	4.533	5.020	4.457	4.722	4.618	5.21
79)	T	2-Chlorotoluene	2.587	2.335	2.405	2.626	2.373	2.522	2.475	4.87
80)	T	1,3,5-Trimethy...	3.242	2.859	3.021	3.445	3.111	3.284	3.161	6.57
81)	T	trans-1,4-Dich...	0.219	0.207	0.212	0.220	0.207	0.222	0.214	3.08
82)	T	4-Chlorotoluene	2.585	2.517	2.557	2.763	2.472	2.629	2.587	3.93
83)	T	tert-Butylbenzene	2.540	2.503	2.557	2.922	2.662	2.826	2.668	6.39
84)	T	1,2,4-Trimethy...	2.971	2.865	3.087	3.440	3.175	3.430	3.161	7.49
85)	T	sec-Butylbenzene	3.901	3.647	3.809	4.316	3.859	4.132	3.944	6.10
86)	T	p-Isopropyltol...	3.334	3.068	3.406	3.931	3.547	3.902	3.531	9.53
87)	T	1,3-Dichlorobe...	1.832	1.696	1.744	1.954	1.797	1.915	1.823	5.41
88)	T	1,4-Dichlorobe...	2.597	1.934	1.816	1.923	1.731	1.797	1.966	16.20
89)	T	n-Butylbenzene	3.244	3.004	3.228	3.710	3.248	3.502	3.323	7.42
90)	T	Hexachloroethane	0.652	0.594	0.622	0.702	0.640	0.686	0.649	6.17
91)	T	1,2-Dichlorobe...	1.671	1.496	1.488	1.605	1.487	1.555	1.550	4.87
92)	T	1,2-Dibromo-3-...	0.134	0.099	0.093	0.100	0.091	0.096	0.102	15.68
93)	T	1,2,4-Trichlor...	1.245	0.961	0.996	1.065	1.006	1.080	1.059	9.57
94)	T	Hexachlorobuta...	0.568	0.509	0.562	0.614	0.557	0.616	0.571	6.97
95)	T	Naphthalene	1.633	1.566	1.725	1.853	1.818	1.961	1.759	8.33
96)	T	1,2,3-Trichlor...	0.880	0.807	0.867	0.895	0.876	0.912	0.873	4.12

(#) = Out of Range

1,2-Dibromo-3-Chloropropane



$$\text{Response} = 9.384\text{e-}002 * \text{Amt} + 1.877\text{e-}003$$

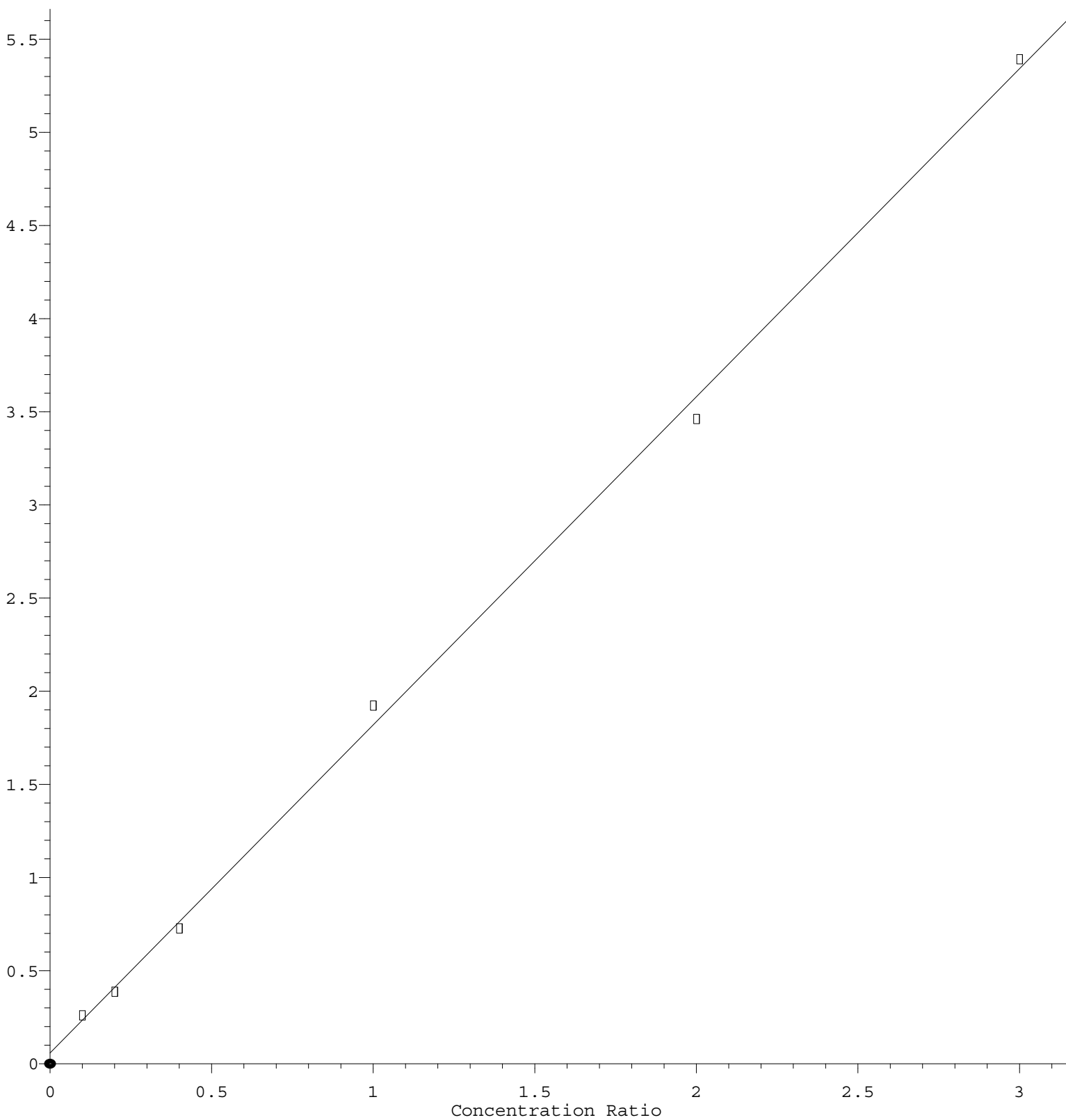
Coef of Det (r^2) = 0.998413 Curve Fit: Linear

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1,4-Dichlorobenzene

Response Ratio



$$\text{Response} = 1.761\text{e}+000 * \text{Amt} + 5.840\text{e}-002$$

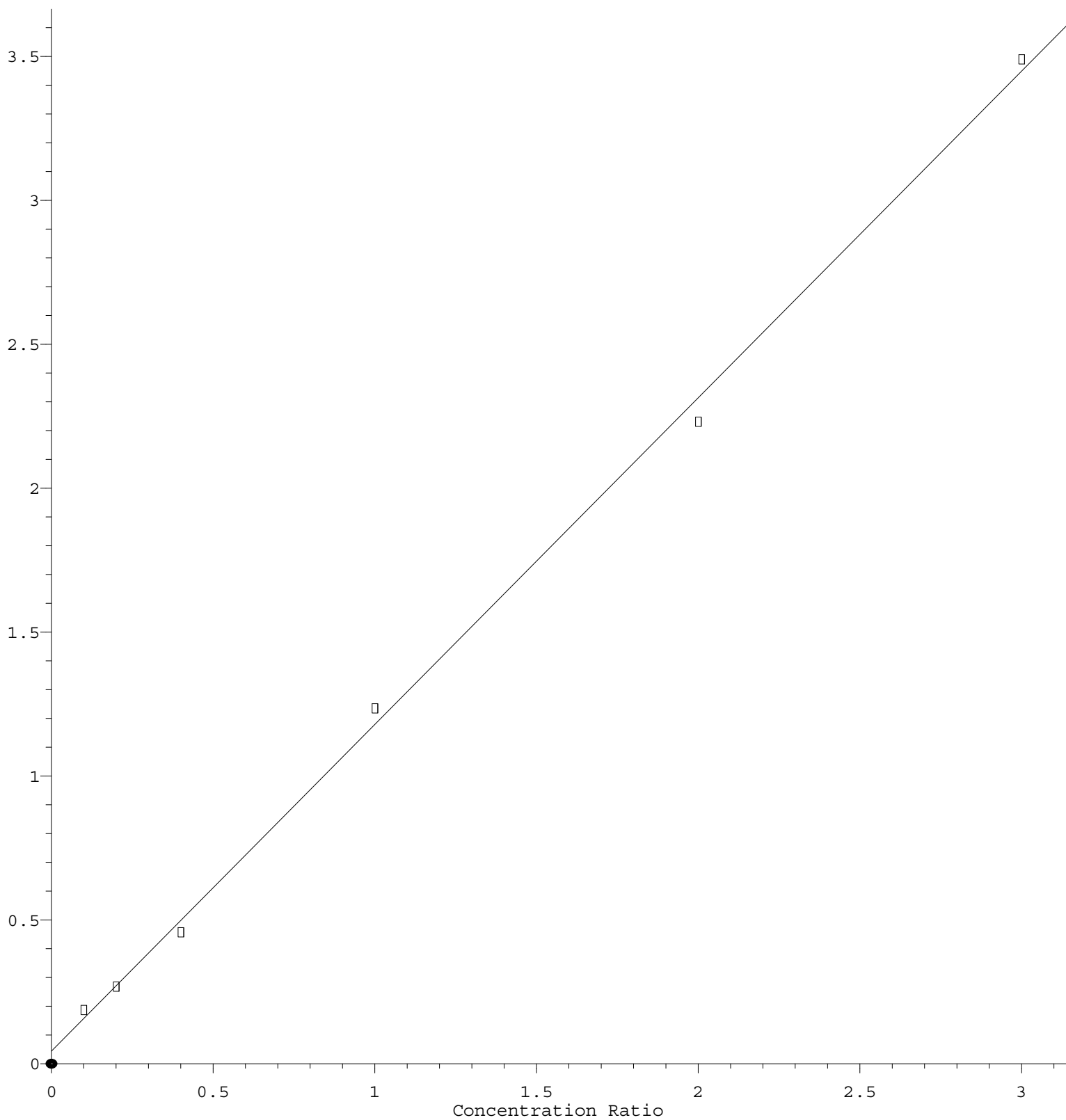
Coef of Det (r^2) = 0.998566 Curve Fit: Linear

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Chlorobenzene

Response Ratio



$$\text{Response} = 1.135\text{e}+000 * \text{Amt} + 4.378\text{e}-002$$

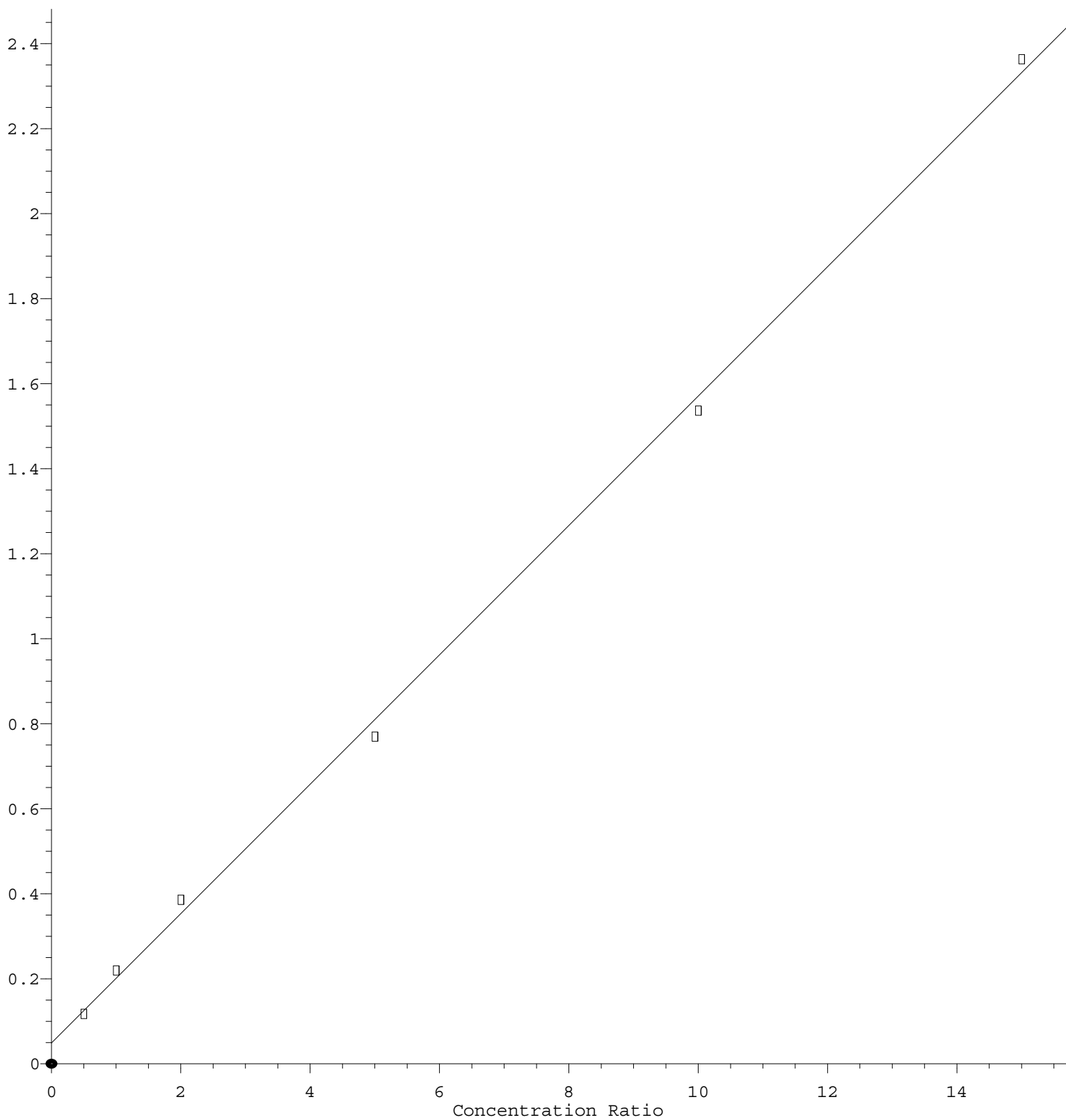
Coef of Det (r^2) = 0.998358 Curve Fit: Linear

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2-Butanone

Response Ratio



$$\text{Response} = 1.522\text{e-}001 * \text{Amt} + 4.864\text{e-}002$$

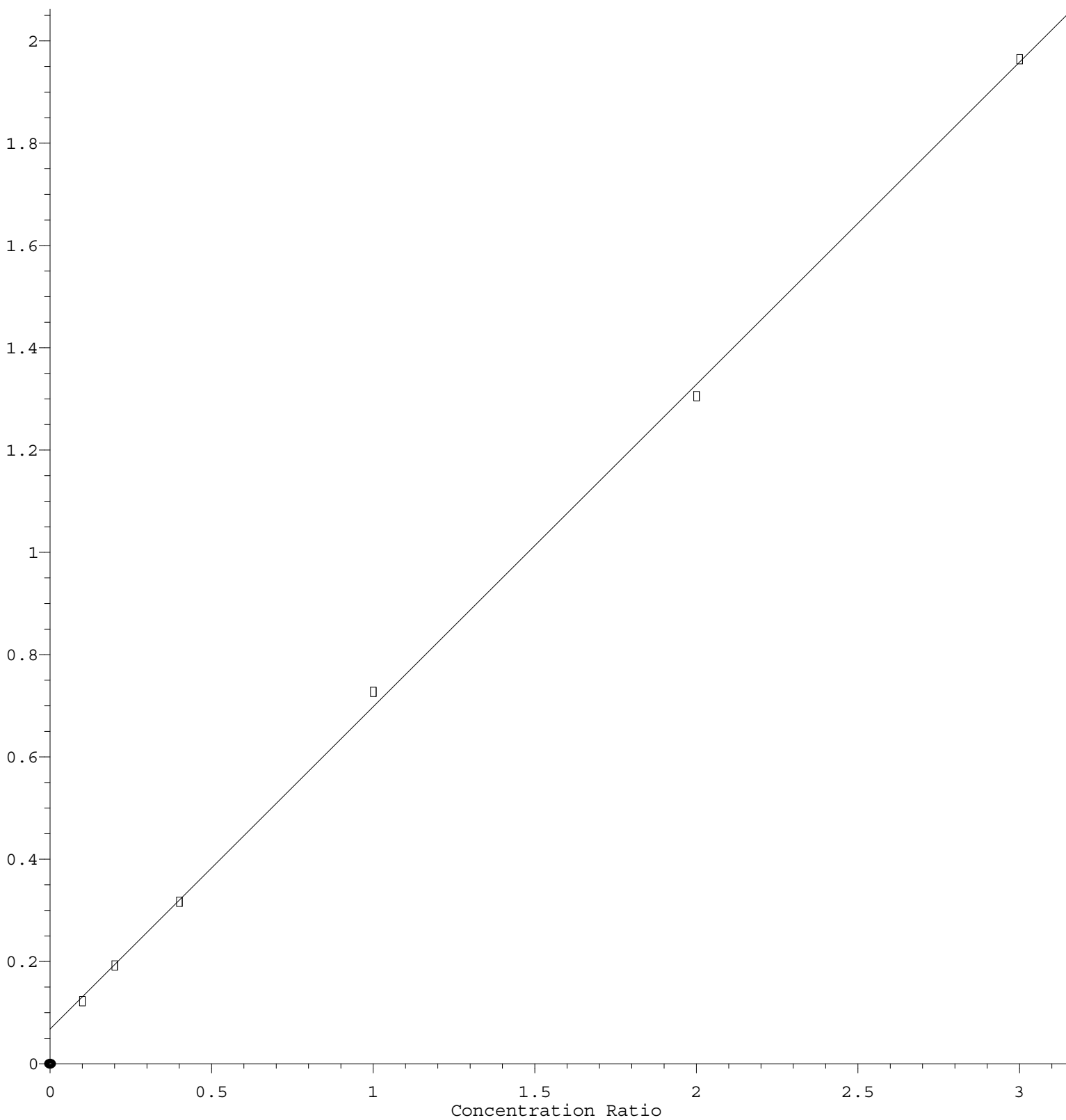
Coef of Det (r^2) = 0.998661 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 6.302\text{e-}001 * \text{Amt} + 6.760\text{e-}002$$

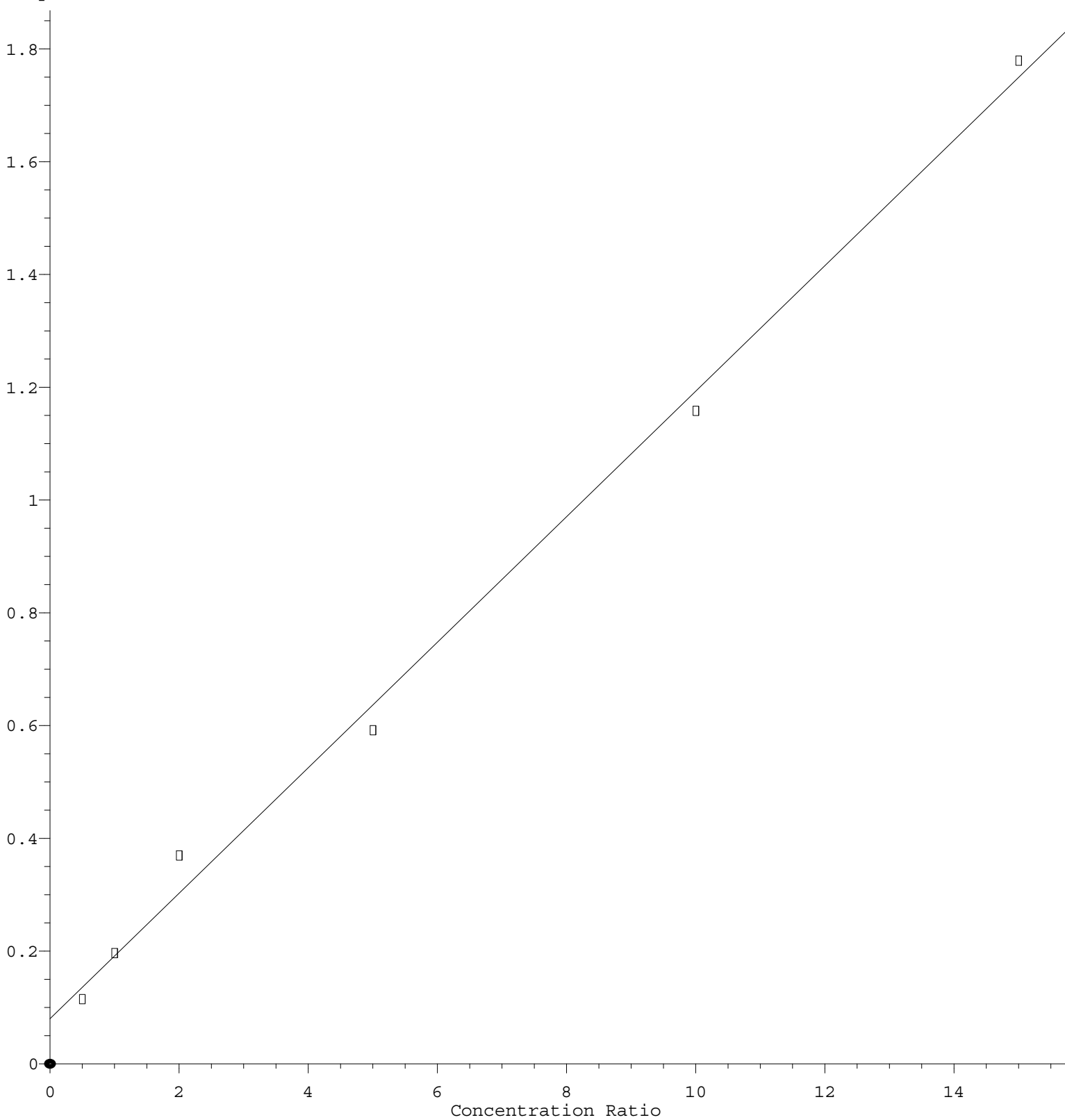
Coef of Det (r^2) = 0.999445 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 1.113\text{e-}001 * \text{Amt} + 8.036\text{e-}002$$

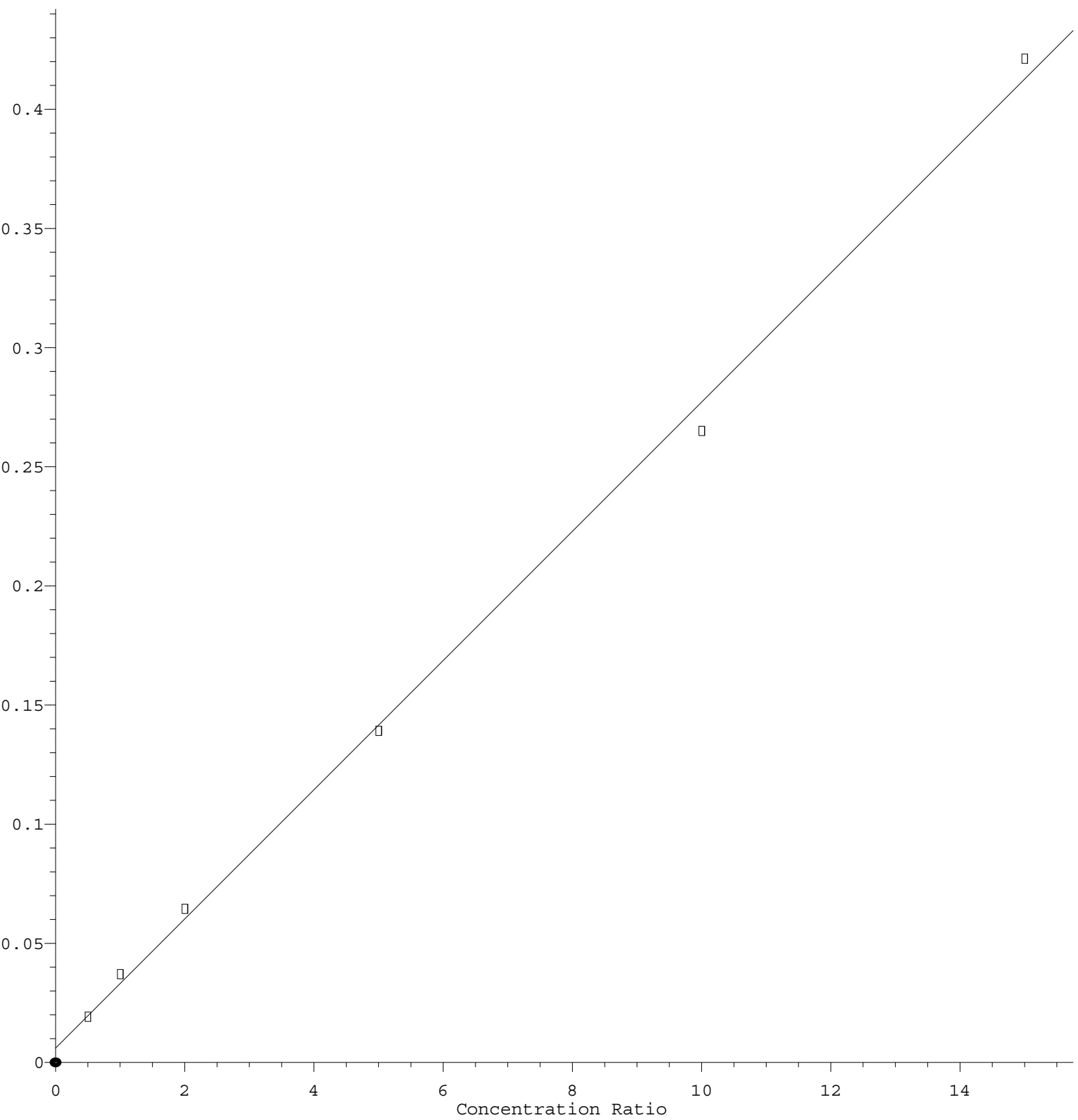
Coef of Det (r^2) = 0.995668 Curve Fit: Linear

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Tert butyl alcohol

Response Ratio



$$\text{Response} = 2.709\text{e-}002 * \text{Amt} + 6.396\text{e-}003$$

Coef of Det (r^2) = 0.997921 Curve Fit: Linear

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