

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y122022S.M
 Title : SW846 8260
 Last Update : Tue Dec 20 12:37:37 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY011911.D 10 =VY011912.D 20 =VY011913.D 50 =VY011914.D 100 =VY011915.D 150 =VY011916.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.490	0.269	0.243	0.443	0.403	0.413	0.377	26.15
3) P	Chloromethane	0.533	0.399	0.362	0.475	0.450	0.451	0.445	13.44
4) C	Vinyl Chloride	0.560	0.445	0.405	0.528	0.497	0.508	0.491	11.53#
5) T	Bromomethane	0.419	0.344	0.298	0.355	0.339	0.341	0.349	11.24
6) T	Chloroethane	0.356	0.305	0.284	0.338	0.317	0.324	0.321	7.83
7) T	Trichlorofluor...	0.960	0.833	0.752	0.902	0.839	0.869	0.859	8.18
8) T	Diethyl Ether	0.271	0.260	0.241	0.275	0.274	0.268	0.265	4.85
9) T	1,1,2-Trichlor...	0.529	0.471	0.416	0.490	0.459	0.473	0.473	7.90
10) T	Methyl Iodide	0.618	0.602	0.574	0.730	0.699	0.703	0.654	9.79
11) T	Tert butyl alc...	0.119	0.078	0.053	0.050	0.048	0.044	0.065	44.45
12) CM	1,1-Dichloroet...	0.489	0.466	0.426	0.497	0.476	0.485	0.473	5.37#
13) T	Acrolein	0.053	0.048	0.048	0.043	0.046	0.044	0.047	7.48
14) T	Allyl chloride	0.719	0.679	0.626	0.734	0.709	0.713	0.697	5.64
15) T	Acrylonitrile	0.123	0.122	0.112	0.131	0.130	0.121	0.123	5.67
16) T	Acetone	0.117	0.125	0.108	0.163	0.164	0.147	0.137	17.39
17) T	Carbon Disulfide	1.637	1.452	1.316	1.593	1.515	1.542	1.509	7.56
18) T	Methyl Acetate	0.389	0.345	0.314	0.356	0.356	0.329	0.348	7.42
19) T	Methyl tert-bu...	1.183	1.164	1.108	1.301	1.287	1.239	1.214	6.19
20) T	Methylene Chlo...	0.990	0.850	0.676	0.611	0.552	0.527	0.701	26.08
21) T	trans-1,2-Dich...	0.572	0.535	0.492	0.568	0.526	0.531	0.538	5.54
22) T	Diisopropyl ether	1.324	1.402	1.329	1.469	1.364	1.344	1.372	4.02
23) T	Vinyl Acetate	0.718	0.767	0.729	0.873	0.845	0.804	0.789	7.91
24) P	1,1-Dichloroet...	0.938	0.912	0.847	0.917	0.871	0.867	0.892	3.96
25) T	2-Butanone	0.160	0.163	0.143	0.189	0.185	0.168	0.168	10.13
26) T	2,2-Dichloropr...	0.950	0.897	0.801	0.890	0.844	0.853	0.873	5.90
27) T	cis-1,2-Dichlo...	0.576	0.597	0.552	0.608	0.580	0.576	0.581	3.30
28) T	Bromochloromet...	0.273	0.254	0.248	0.238	0.230	0.224	0.245	7.25
29) T	Tetrahydrofuran	0.088	0.092	0.088	0.105	0.104	0.093	0.095	8.11
30) C	Chloroform	1.022	0.983	0.914	0.991	0.934	0.924	0.961	4.52#
31) T	Cyclohexane	1.005	0.858	0.763	0.862	0.789	0.811	0.848	10.13
32) T	1,1,1-Trichlor...	0.963	0.943	0.850	0.938	0.888	0.904	0.914	4.53
33) S	1,2-Dichloroet...	0.535	0.531	0.472	0.510	0.503	0.472	0.504	5.49
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.318	0.304	0.291	0.311	0.297	0.285	0.301	4.08
36) T	1,1-Dichloropr...	0.500	0.486	0.460	0.508	0.465	0.478	0.483	3.95
37) T	Ethyl Acetate	0.219	0.214	0.201	0.226	0.229	0.211	0.217	4.68
38) T	Carbon Tetrach...	0.577	0.571	0.529	0.583	0.538	0.549	0.558	4.01
39) T	Methylcyclohexane	0.560	0.571	0.545	0.627	0.576	0.607	0.581	5.25
40) TM	Benzene	1.413	1.430	1.320	1.441	1.332	1.354	1.382	3.81
41) T	Methacrylonitrile	0.087	0.097	0.095	0.118	0.117	0.114	0.105	12.41
42) TM	1,2-Dichloroet...	0.405	0.414	0.381	0.413	0.391	0.384	0.398	3.66
43) T	Isopropyl Acetate	0.378	0.392	0.360	0.424	0.420	0.400	0.396	6.28
44) TM	Trichloroethene	0.398	0.402	0.376	0.400	0.377	0.384	0.389	3.09
45) C	1,2-Dichloropr...	0.330	0.333	0.309	0.329	0.308	0.307	0.319	3.94#
46) T	Dibromomethane	0.187	0.191	0.175	0.193	0.182	0.176	0.184	4.14
47) T	Bromodichlorom...	0.472	0.472	0.450	0.491	0.459	0.456	0.467	3.11
48) T	Methyl methacr...	0.154	0.181	0.170	0.197	0.203	0.194	0.183	10.04
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.91
50) S	Toluene-d8	1.240	1.233	1.194	1.269	1.216	1.176	1.221	2.73
51) T	4-Methyl-2-Pen...	0.188	0.208	0.197	0.232	0.231	0.210	0.211	8.42
52) CM	Toluene	0.846	0.907	0.858	0.931	0.866	0.873	0.880	3.69#
53) T	t-1,3-Dichloro...	0.454	0.474	0.453	0.499	0.478	0.471	0.471	3.63
54) T	cis-1,3-Dichlo...	0.503	0.538	0.510	0.565	0.533	0.531	0.530	4.13
55) T	1,1,2-Trichlor...	0.269	0.277	0.251	0.268	0.255	0.246	0.261	4.60
56) T	Ethyl methacry...	0.288	0.313	0.308	0.364	0.362	0.348	0.330	9.56

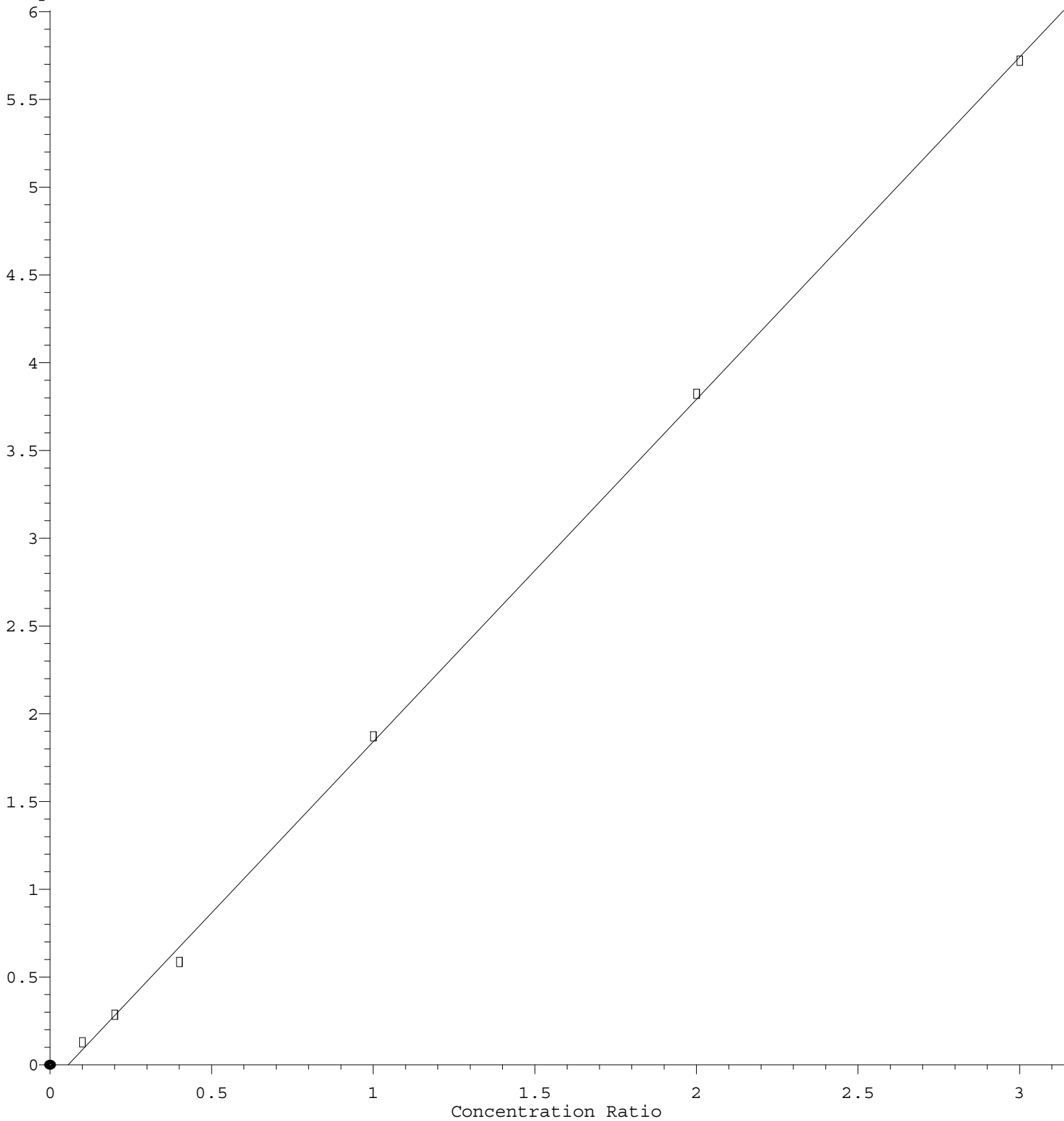
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57)	T	1,3-Dichloropr...	0.427	0.447	0.420	0.466	0.434	0.419	0.436	4.10
58)	T	2-Chloroethyl ...	0.126	0.130	0.127	0.128	0.128	0.126	0.127	1.22
59)	T	2-Hexanone	0.127	0.146	0.141	0.178	0.178	0.160	0.155	13.31
60)	T	Dibromochlorom...	0.323	0.334	0.318	0.353	0.327	0.318	0.329	3.99
61)	T	1,2-Dibromoethane	0.244	0.246	0.232	0.258	0.246	0.239	0.244	3.55
62)	S	4-Bromofluorob...	0.409	0.398	0.423	0.423	0.422	0.390	0.411	3.49
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.463	0.447	0.427	0.458	0.416	0.414	0.438	4.85
65)	PM	Chlorobenzene	1.071	1.071	1.001	1.072	0.998	1.017	1.038	3.53
66)	T	1,1,1,2-Tetrac...	0.400	0.398	0.373	0.402	0.372	0.374	0.386	3.85
67)	C	Ethyl Benzene	1.808	1.878	1.821	1.989	1.863	1.900	1.877	3.46#
68)	T	m/p-Xylenes	0.698	0.736	0.716	0.774	0.719	0.736	0.730	3.53
69)	T	o-Xylene	0.643	0.677	0.660	0.723	0.679	0.693	0.679	4.04
70)	T	Styrene	1.068	1.140	1.114	1.223	1.146	1.149	1.140	4.45
71)	P	Bromoform	0.227	0.231	0.220	0.239	0.231	0.225	0.229	2.80
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.438	3.685	3.565	3.961	3.741	3.872	3.710	5.20
74)	T	N-amyl acetate	0.653	0.709	0.703	0.833	0.843	0.823	0.761	10.78
75)	P	1,1,2,2-Tetrac...	0.625	0.636	0.586	0.642	0.621	0.604	0.619	3.40
76)	T	1,2,3-Trichlor...	0.639	0.645	0.583	0.654	0.610	0.602	0.622	4.47
77)	T	Bromobenzene	0.842	0.873	0.831	0.891	0.850	0.863	0.858	2.55
78)	T	n-propylbenzene	4.186	4.453	4.363	4.765	4.428	4.563	4.460	4.36
79)	T	2-Chlorotoluene	2.419	2.541	2.429	2.635	2.466	2.552	2.507	3.35
80)	T	1,3,5-Trimethy...	2.946	3.226	3.109	3.399	3.147	3.233	3.177	4.74
81)	T	trans-1,4-Dich...	0.209	0.223	0.215	0.242	0.241	0.234	0.227	6.04
82)	T	4-Chlorotoluene	2.450	2.636	2.492	2.751	2.588	2.646	2.594	4.23
83)	T	tert-Butylbenzene	2.532	2.624	2.595	2.904	2.707	2.791	2.692	5.11
84)	T	1,2,4-Trimethy...	2.917	3.101	3.076	3.344	3.123	3.190	3.125	4.49
85)	T	sec-Butylbenzene	3.799	4.082	3.921	4.273	3.954	4.091	4.020	4.10
86)	T	p-Isopropyltol...	3.098	3.393	3.338	3.653	3.389	3.481	3.392	5.36
87)	T	1,3-Dichlorobe...	1.738	1.781	1.671	1.794	1.676	1.698	1.726	3.07
88)	T	1,4-Dichlorobe...	1.752	1.801	1.637	1.766	1.663	1.678	1.716	3.82
89)	T	n-Butylbenzene	2.877	3.018	2.965	3.303	3.085	3.177	3.071	4.98
90)	T	Hexachloroethane	0.665	0.668	0.622	0.672	0.618	0.638	0.647	3.75
91)	T	1,2-Dichlorobe...	1.475	1.551	1.479	1.572	1.470	1.484	1.505	2.96
92)	T	1,2-Dibromo-3-...	0.098	0.101	0.102	0.114	0.113	0.110	0.106	6.56
93)	T	1,2,4-Trichlor...	0.780	0.816	0.838	0.971	0.940	0.967	0.885	9.48
94)	T	Hexachlorobuta...	0.563	0.580	0.562	0.599	0.554	0.575	0.572	2.84
95)	T	Naphthalene	1.283	1.428	1.465	1.871	1.911	1.907	1.644	17.23
96)	T	1,2,3-Trichlor...	0.637	0.688	0.706	0.828	0.805	0.829	0.749	11.01

(#) = Out of Range

Naphthalene

Response Ratio



$$\text{Response} = 1.950\text{e}+000 * \text{Amt} - 1.083\text{e}-001$$

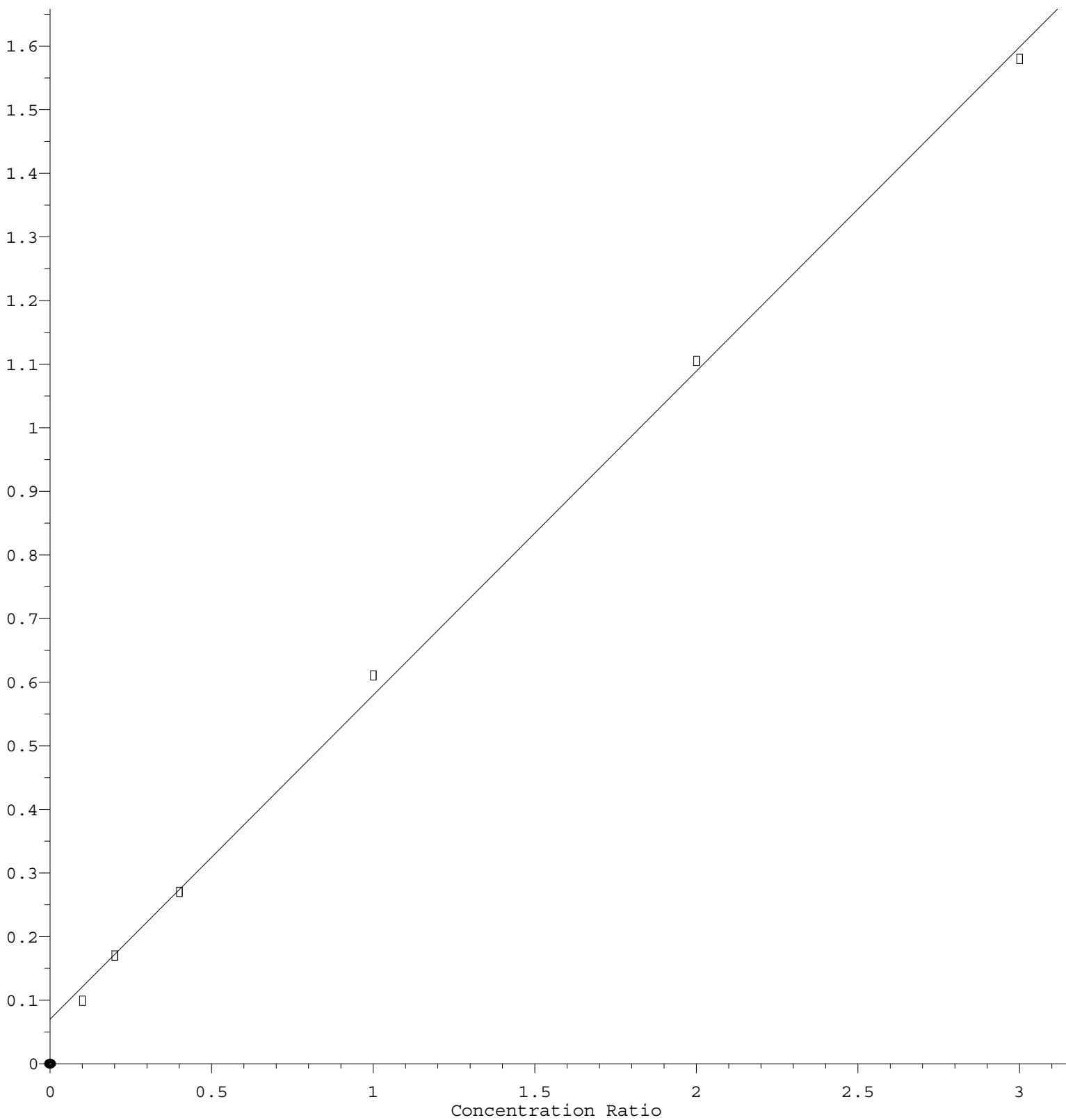
Coef of Det (r^2) = 0.999555 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 5.097\text{e-}001 * \text{Amt} + 6.986\text{e-}002$$

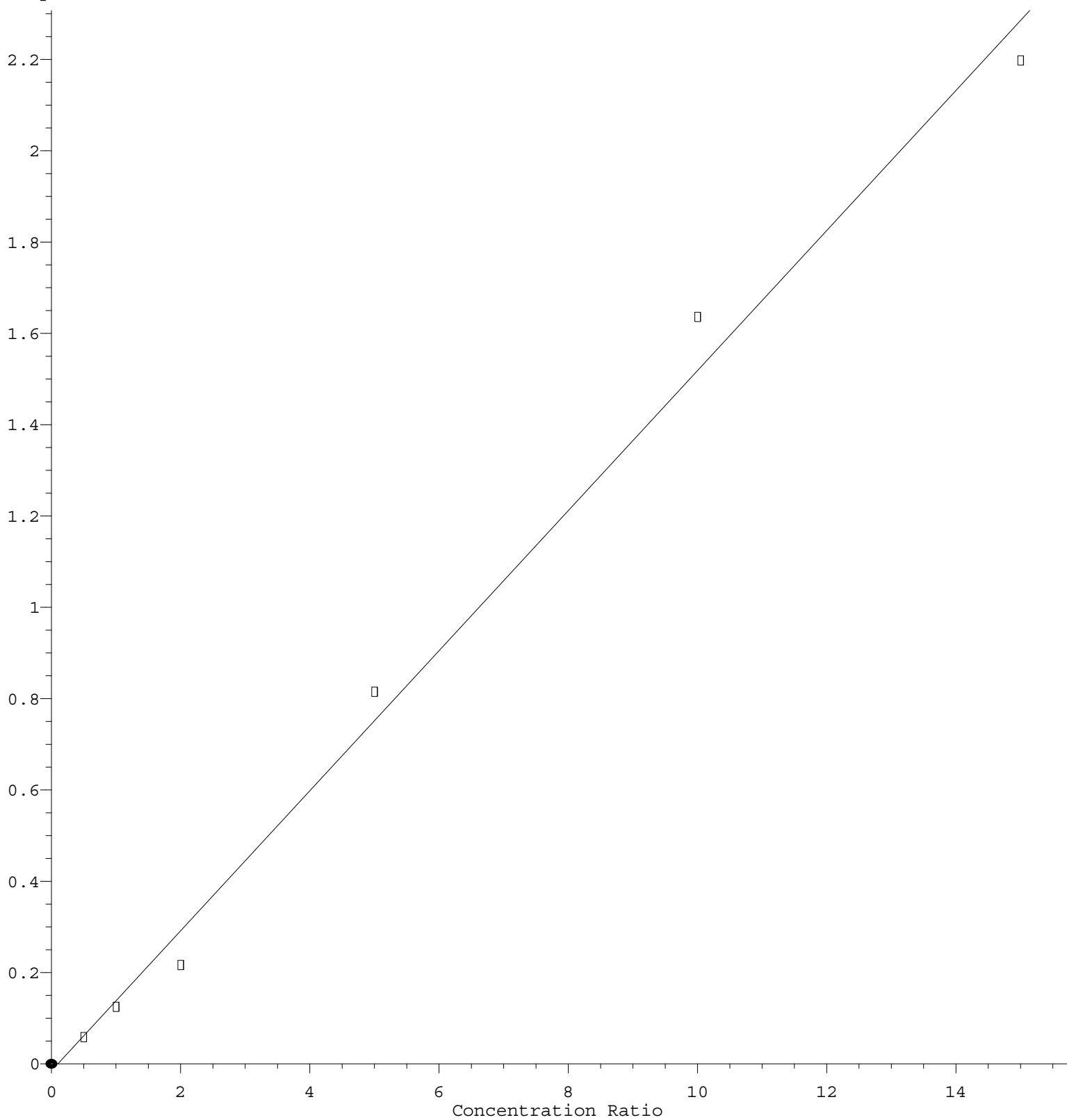
Coef of Det (r^2) = 0.998821 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 1.534\text{e-}001 * \text{Amt} - 1.495\text{e-}002$$

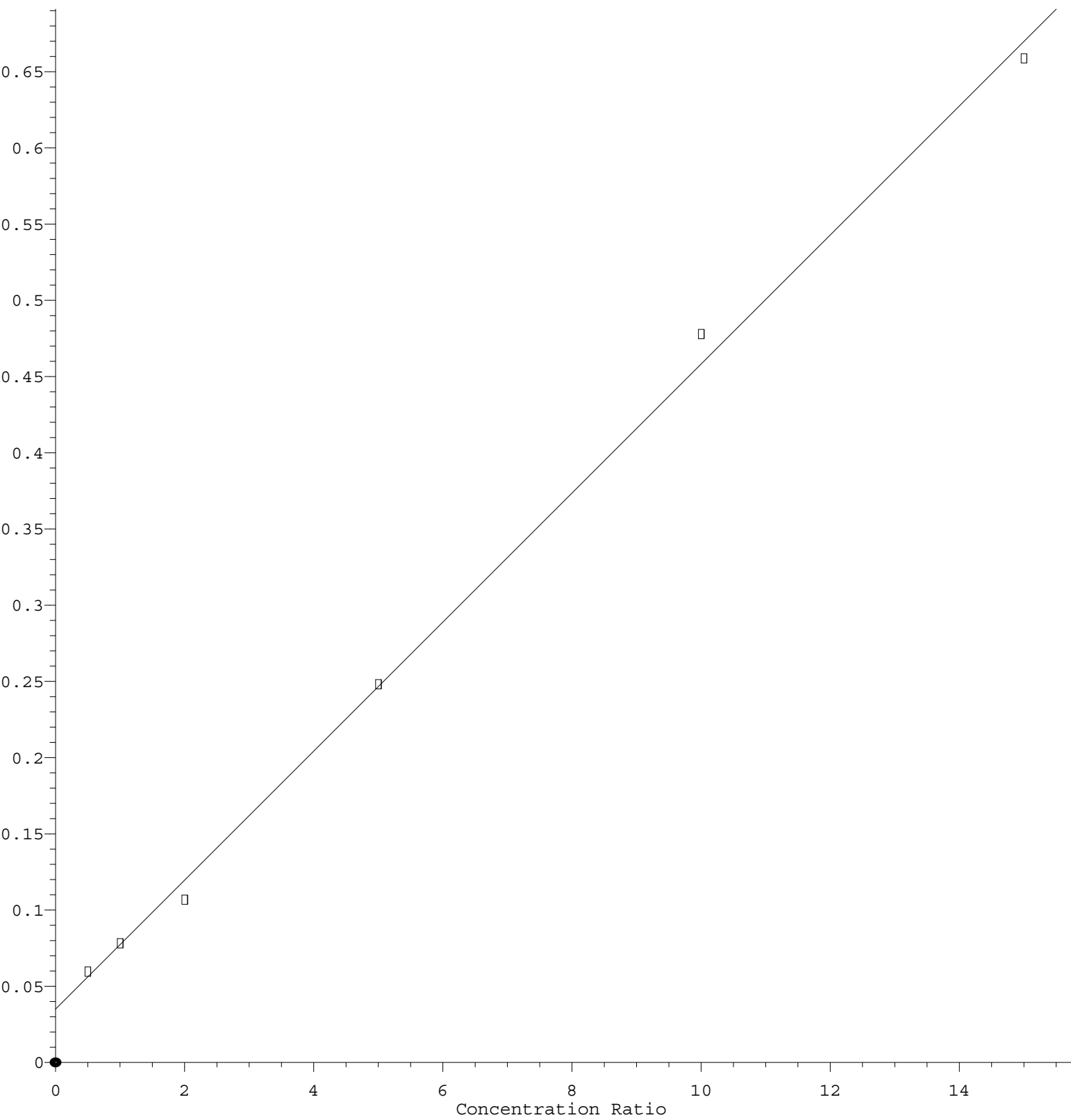
Coef of Det (r^2) = 0.992152 Curve Fit: Linear

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Tert butyl alcohol

Response Ratio



$$\text{Response} = 4.236\text{e-}002 * \text{Amt} + 3.505\text{e-}002$$

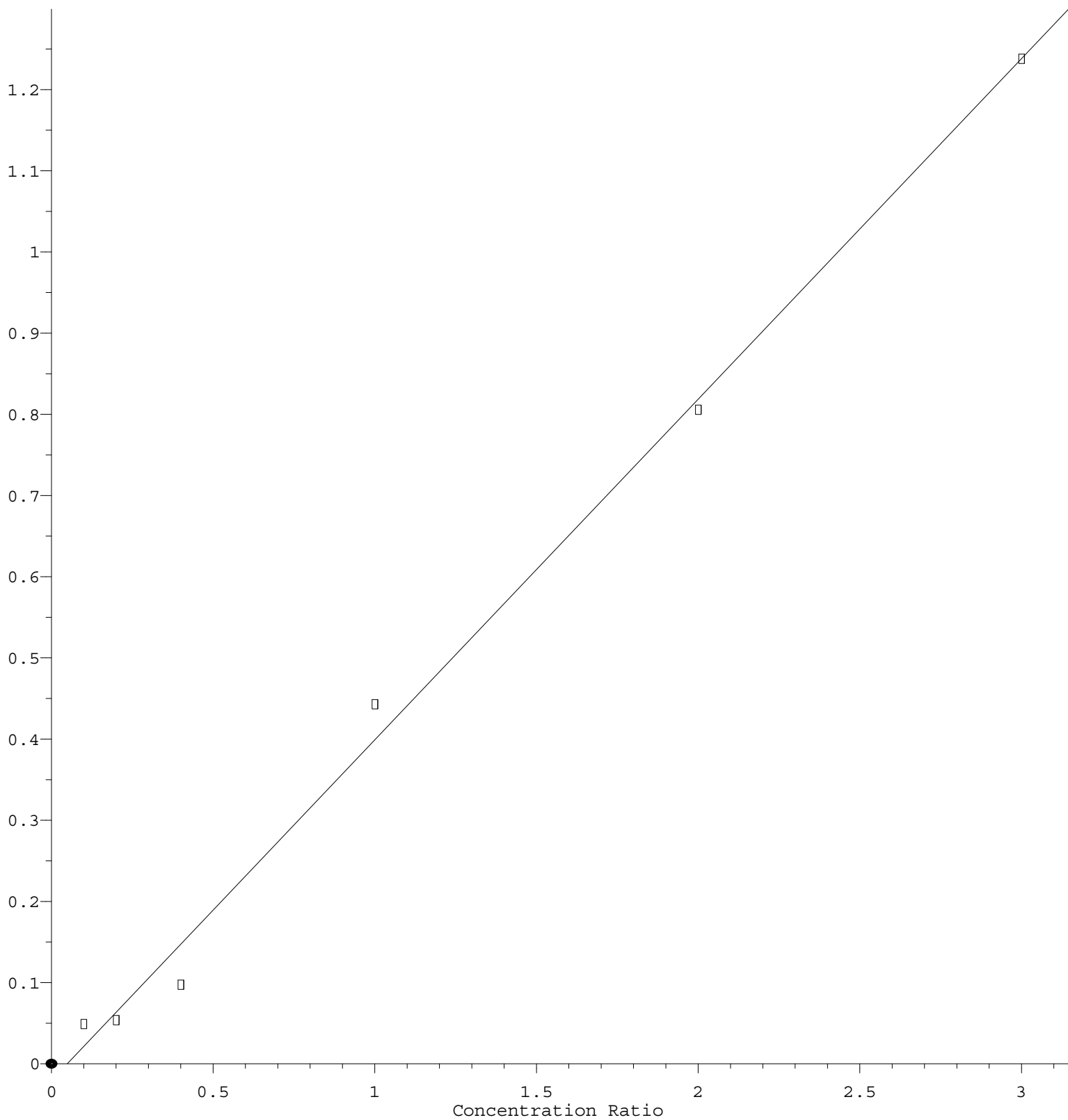
Coef of Det (r^2) = 0.997722 Curve Fit: Linear

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Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 4.195\text{e-}001 * \text{Amt} - 2.070\text{e-}002$$

Coef of Det (r^2) = 0.995435 Curve Fit: Linear

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