

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D030124S.M
 Title : SW846 8260
 Last Update : Sat Mar 02 03:50:17 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD078573.D 10 =VD078574.D 20 =VD078575.D 50 =VD078576.D 100 =VD078577.D 150 =VD078578.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.519	0.535	0.521	0.387	0.355	0.376	0.449	18.75
3) P	Chloromethane	1.008	0.884	0.902	0.736	0.657	0.663	0.808	17.80
4) C	Vinyl Chloride	1.436	1.326	1.317	1.150	1.056	1.089	1.229	12.39#
5) T	Bromomethane	1.065	1.080	1.082	0.861	0.837	0.965	0.982	11.37
6) T	Chloroethane	0.959	1.010	1.017	0.843	0.794	0.842	0.911	10.57
7) T	Trichlorofluor...	0.919	0.920	0.927	0.752	0.710	0.758	0.831	12.17
8) T	Diethyl Ether	0.262	0.228	0.236	0.215	0.221	0.238	0.233	7.14
9) T	1,1,2-Trichlor...	0.594	0.589	0.571	0.476	0.442	0.472	0.524	12.96
10) T	Methyl Iodide	0.524	0.517	0.567	0.557	0.542	0.581	0.548	4.54
11) T	Tert butyl alc...	0.034	0.025	0.028	0.021	0.022	0.024	0.026	19.18
12) CM	1,1-Dichloroet...	0.521	0.517	0.511	0.468	0.443	0.475	0.489	6.48#
13) T	Acrolein	0.053	0.050	0.049	0.050	0.048	0.045	0.049	5.69
14) T	Allyl chloride	0.619	0.570	0.574	0.532	0.511	0.535	0.557	6.94
15) T	Acrylonitrile	0.106	0.096	0.100	0.089	0.090	0.097	0.096	6.65
16) T	Acetone	0.117	0.106	0.095	0.086	0.083	0.083	0.095	14.82
17) T	Carbon Disulfide	1.821	1.758	1.778	1.523	1.409	1.485	1.629	10.85
18) T	Methyl Acetate	0.127	0.188	0.193	0.192	0.184	0.194	0.180	14.40
19) T	Methyl tert-bu...	1.026	0.955	0.998	0.945	0.976	1.064	0.994	4.55
20) T	Methylene Chlo...	1.908	1.076	0.943	0.662	0.559	0.565	0.952	53.91
21) T	trans-1,2-Dich...	0.647	0.623	0.598	0.559	0.526	0.572	0.588	7.50
22) T	Diisopropyl ether	1.309	1.260	1.307	1.219	1.182	1.215	1.249	4.19
23) T	Vinyl Acetate	0.753	0.709	0.781	0.720	0.725	0.761	0.742	3.76
24) P	1,1-Dichloroet...	1.061	0.996	1.009	0.903	0.820	0.870	0.943	9.83
25) T	2-Butanone	0.136	0.120	0.124	0.109	0.113	0.117	0.120	8.06
26) T	2,2-Dichloropr...	0.874	0.874	0.801	0.747	0.711	0.774	0.797	8.38
27) T	cis-1,2-Dichlo...	0.680	0.650	0.663	0.613	0.599	0.655	0.643	4.82
28) T	Bromochloromet...	0.330	0.416	0.391	0.363	0.320	0.295	0.352	13.01
29) T	Tetrahydrofuran	0.073	0.062	0.069	0.063	0.063	0.068	0.067	6.56
30) C	Chloroform	1.167	1.074	1.060	0.957	0.905	0.948	1.019	9.68#
31) T	Cyclohexane	0.902	0.888	0.795	0.716	0.652	0.701	0.776	13.31
32) T	1,1,1-Trichlor...	0.964	0.927	0.906	0.824	0.781	0.841	0.874	7.95
33) S	1,2-Dichloroet...	0.518	0.588	0.548	0.445	0.440	0.434	0.496	13.12
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.287	0.369	0.353	0.309	0.310	0.324	0.325	9.35
36) T	1,1-Dichloropr...	0.442	0.419	0.473	0.446	0.440	0.480	0.450	5.02
37) T	Ethyl Acetate	0.143	0.143	0.150	0.144	0.138	0.156	0.146	4.44
38) T	Carbon Tetrach...	0.488	0.456	0.478	0.453	0.451	0.498	0.471	4.25
39) T	Methylcyclohexane	0.503	0.475	0.528	0.554	0.514	0.596	0.528	8.02
40) TM	Benzene	1.342	1.265	1.368	1.319	1.297	1.413	1.334	3.93
41) T	Methacrylonitrile	0.097	0.063	0.076	0.080	0.075	0.079	0.078	14.09
42) TM	1,2-Dichloroet...	0.373	0.319	0.360	0.322	0.318	0.338	0.338	6.84
43) T	Isopropyl Acetate	0.303	0.256	0.290	0.259	0.272	0.298	0.280	7.21
44) TM	Trichloroethene	0.377	0.357	0.379	0.349	0.346	0.389	0.366	4.91
45) C	1,2-Dichloropr...	0.325	0.310	0.336	0.314	0.306	0.331	0.320	3.80#
46) T	Dibromomethane	0.185	0.180	0.184	0.179	0.179	0.201	0.185	4.58
47) T	Bromodichlorom...	0.459	0.432	0.487	0.438	0.439	0.477	0.456	5.00
48) T	Methyl methacr...	0.122	0.118	0.125	0.121	0.128	0.145	0.127	7.58
49) T	1,4-Dioxane	0.001	0.001	0.002	0.002	0.002	0.002	0.002	18.17
50) S	Toluene-d8	1.078	1.324	1.374	1.234	1.248	1.325	1.264	8.31
51) T	4-Methyl-2-Pen...	0.143	0.131	0.148	0.139	0.146	0.159	0.144	6.46
52) CM	Toluene	0.768	0.783	0.864	0.877	0.872	0.971	0.856	8.60#
53) T	t-1,3-Dichloro...	0.436	0.376	0.417	0.405	0.419	0.475	0.421	7.84
54) T	cis-1,3-Dichlo...	0.490	0.465	0.519	0.491	0.505	0.558	0.505	6.27
55) T	1,1,2-Trichlor...	0.299	0.232	0.263	0.243	0.252	0.271	0.260	9.04
56) T	Ethyl methacry...	0.239	0.216	0.256	0.259	0.278	0.316	0.261	13.11

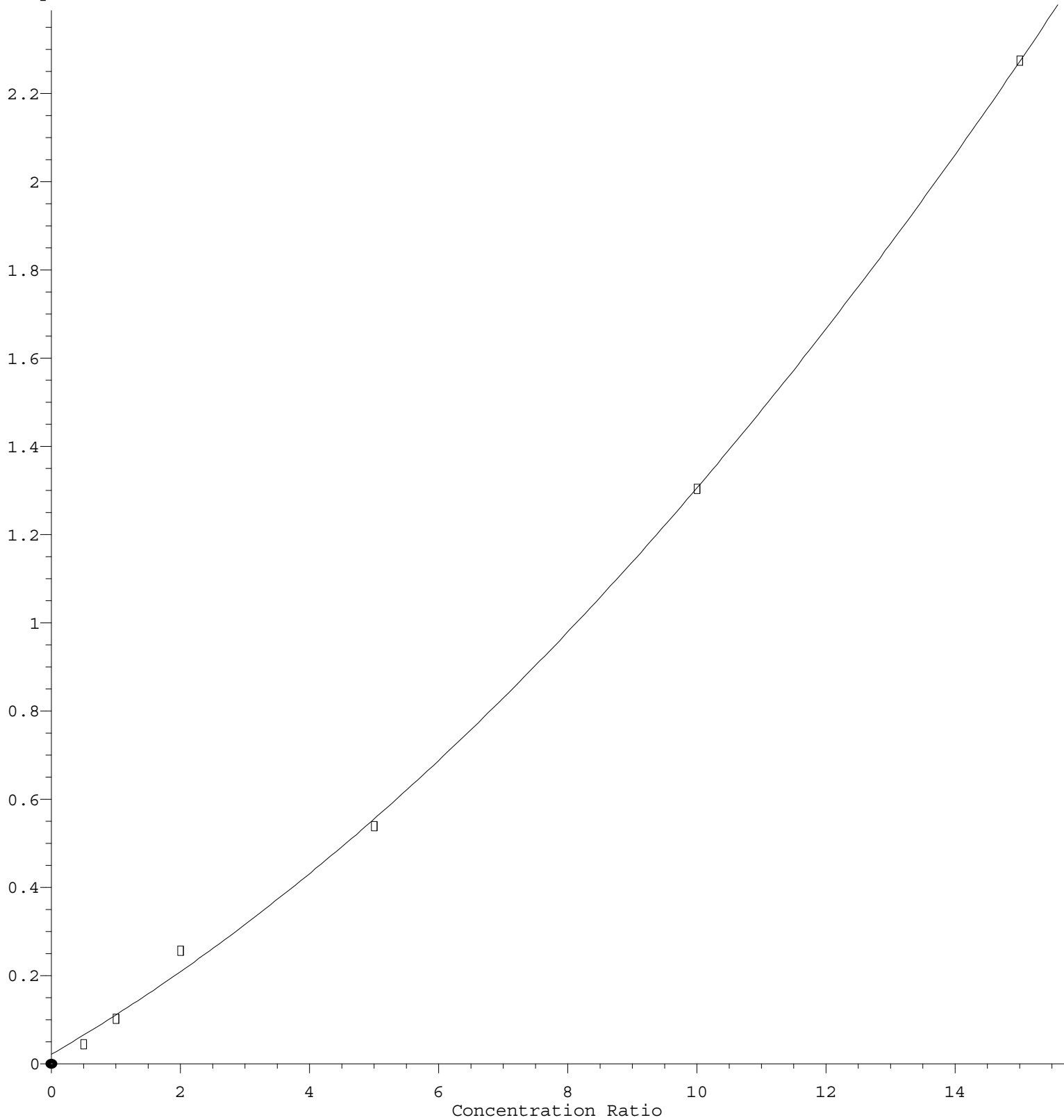
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57)	T	1,3-Dichloropr...	0.416	0.411	0.441	0.405	0.407	0.449	0.422	4.45
58)	T	2-Chloroethyl ...	0.089	0.102	0.128	0.108	0.130	0.152	0.118	19.37
59)	T	2-Hexanone	0.106	0.097	0.111	0.102	0.108	0.118	0.107	6.59
60)	T	Dibromochlorom...	0.304	0.288	0.325	0.307	0.314	0.346	0.314	6.35
61)	T	1,2-Dibromoethane	0.223	0.225	0.243	0.232	0.243	0.266	0.239	6.64
62)	S	4-Bromofluorob...	0.320	0.350	0.377	0.356	0.371	0.393	0.361	7.05
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.312	0.305	0.319	0.320	0.296	0.335	0.315	4.21
65)	PM	Chlorobenzene	0.976	0.965	0.996	0.988	0.937	1.047	0.985	3.72
66)	T	1,1,1,2-Tetrac...	0.366	0.333	0.384	0.353	0.358	0.405	0.367	6.88
67)	C	Ethyl Benzene	1.535	1.551	1.702	1.752	1.723	1.973	1.706	9.34#
68)	T	m/p-Xylenes	0.604	0.619	0.688	0.727	0.696	0.808	0.690	10.79
69)	T	o-Xylene	0.525	0.556	0.626	0.651	0.652	0.747	0.626	12.55
70)	T	Styrene	0.905	0.958	1.087	1.148	1.123	1.291	1.085	12.79
71)	P	Bromoform	0.202	0.187	0.190	0.185	0.191	0.216	0.195	6.03
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.017	2.941	3.292	3.246	2.984	3.536	3.170	7.27
74)	T	N-amyl acetate	0.574	0.475	0.579	0.510	0.507	0.556	0.533	7.93
75)	P	1,1,2,2-Tetrac...	0.698	0.627	0.663	0.549	0.521	0.585	0.607	11.20
76)	T	1,2,3-Trichlor...	0.459	0.379	0.425	0.351	0.317	0.360	0.382	13.57
77)	T	Bromobenzene	0.789	0.689	0.798	0.755	0.729	0.838	0.767	6.94
78)	T	n-propylbenzene	3.741	3.666	4.086	3.952	3.620	4.197	3.877	6.11
79)	T	2-Chlorotoluene	2.049	1.995	2.176	2.103	1.927	2.233	2.080	5.47
80)	T	1,3,5-Trimethy...	2.243	2.360	2.740	2.679	2.525	2.927	2.579	9.82
81)	T	trans-1,4-Dich...	0.171	0.169	0.208	0.163	0.170	0.189	0.178	9.59
82)	T	4-Chlorotoluene	2.196	2.140	2.337	2.219	2.056	2.355	2.217	5.18
83)	T	tert-Butylbenzene	2.034	2.055	2.240	2.394	2.091	2.510	2.221	8.84
84)	T	1,2,4-Trimethy...	2.381	2.341	2.707	2.754	2.594	3.040	2.636	9.84
85)	T	sec-Butylbenzene	3.216	3.174	3.650	3.661	3.249	3.838	3.464	8.21
86)	T	p-Isopropyltol...	2.453	2.564	2.996	3.114	2.855	3.517	2.916	13.27
87)	T	1,3-Dichlorobe...	1.584	1.510	1.703	1.628	1.553	1.850	1.638	7.52
88)	T	1,4-Dichlorobe...	1.778	1.607	1.695	1.573	1.488	1.704	1.641	6.38
89)	T	n-Butylbenzene	2.636	2.493	2.805	2.858	2.541	3.021	2.726	7.47
90)	T	Hexachloroethane	0.611	0.597	0.633	0.598	0.519	0.600	0.593	6.55
91)	T	1,2-Dichlorobe...	1.399	1.297	1.491	1.384	1.273	1.504	1.391	6.87
92)	T	1,2-Dibromo-3-...	0.101	0.079	0.087	0.070	0.071	0.077	0.081	14.47
93)	T	1,2,4-Trichlor...	0.823	0.728	0.835	0.823	0.772	0.962	0.824	9.56
94)	T	Hexachlorobuta...	0.467	0.434	0.470	0.459	0.410	0.480	0.453	5.83
95)	T	Naphthalene	1.424	1.218	1.451	1.434	1.453	1.755	1.456	11.80
96)	T	1,2,3-Trichlor...	0.772	0.649	0.742	0.723	0.680	0.824	0.732	8.62

(#) = Out of Range

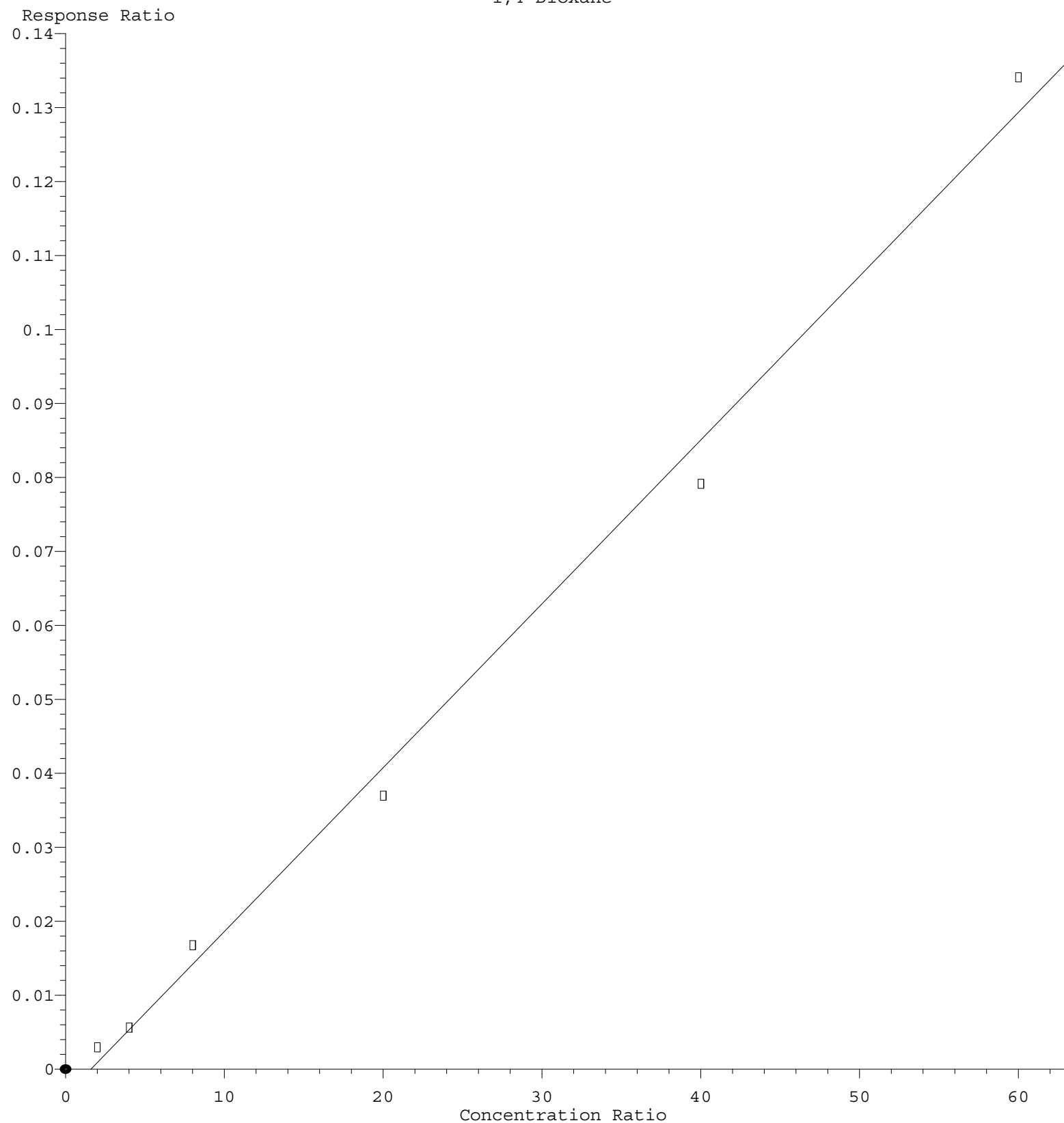
2-Chloroethyl Vinyl ether

Response Ratio



$R = 4.330e-003 A^2 + 8.510e-002 A + 2.172e-002$
Coef of Det (r^2) = 0.999212 Curve Fit: Quadratic
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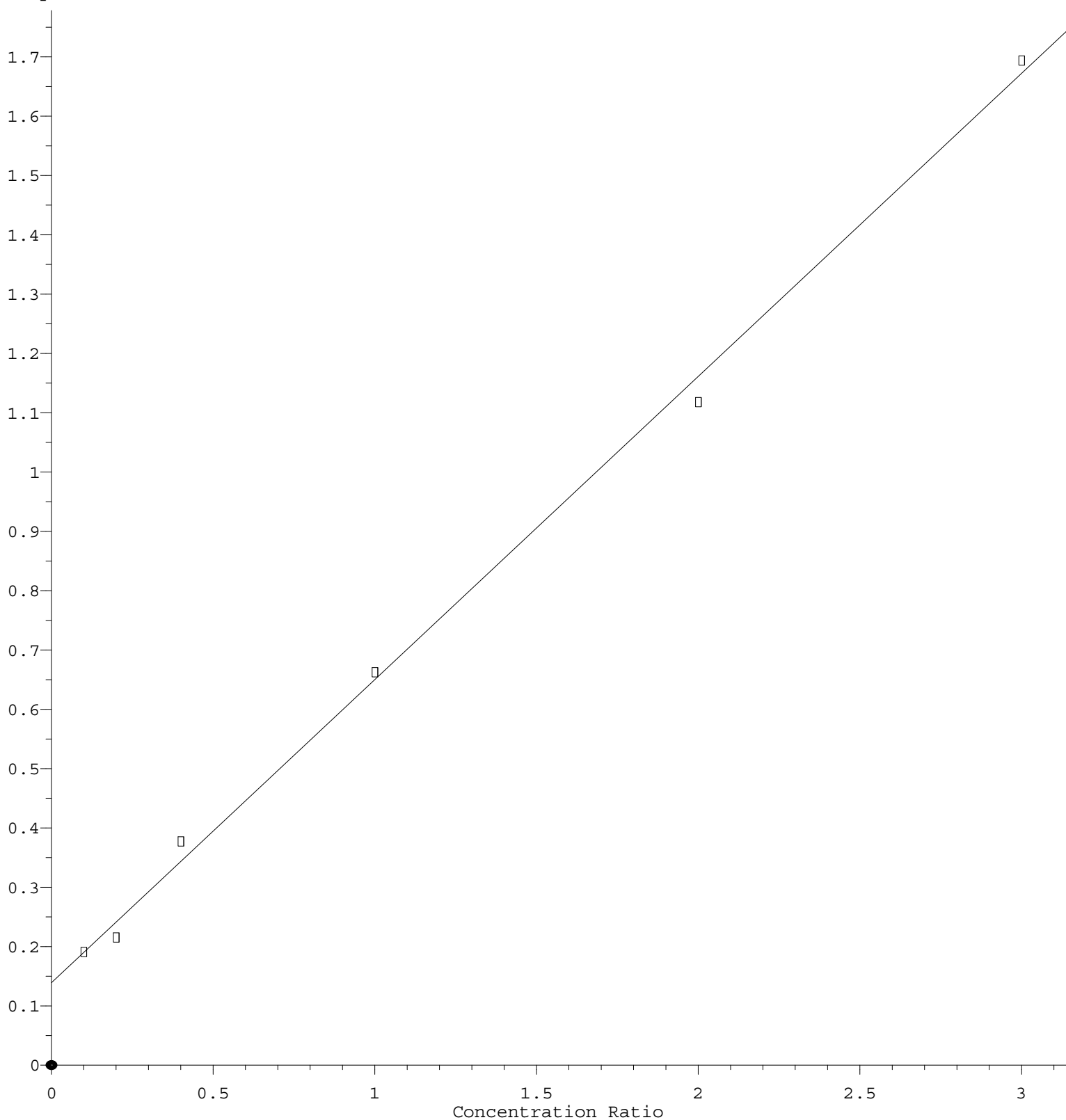
1,4-Dioxane



Response = $2.214 \times 10^{-3} \times \text{Amt} - 3.532 \times 10^{-3}$
 Coef of Det (r^2) = 0.993757 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D030124S.M
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Methylene Chloride

Response Ratio



$$\text{Response} = 5.111\text{e-}001 * \text{Amt} + 1.389\text{e-}001$$

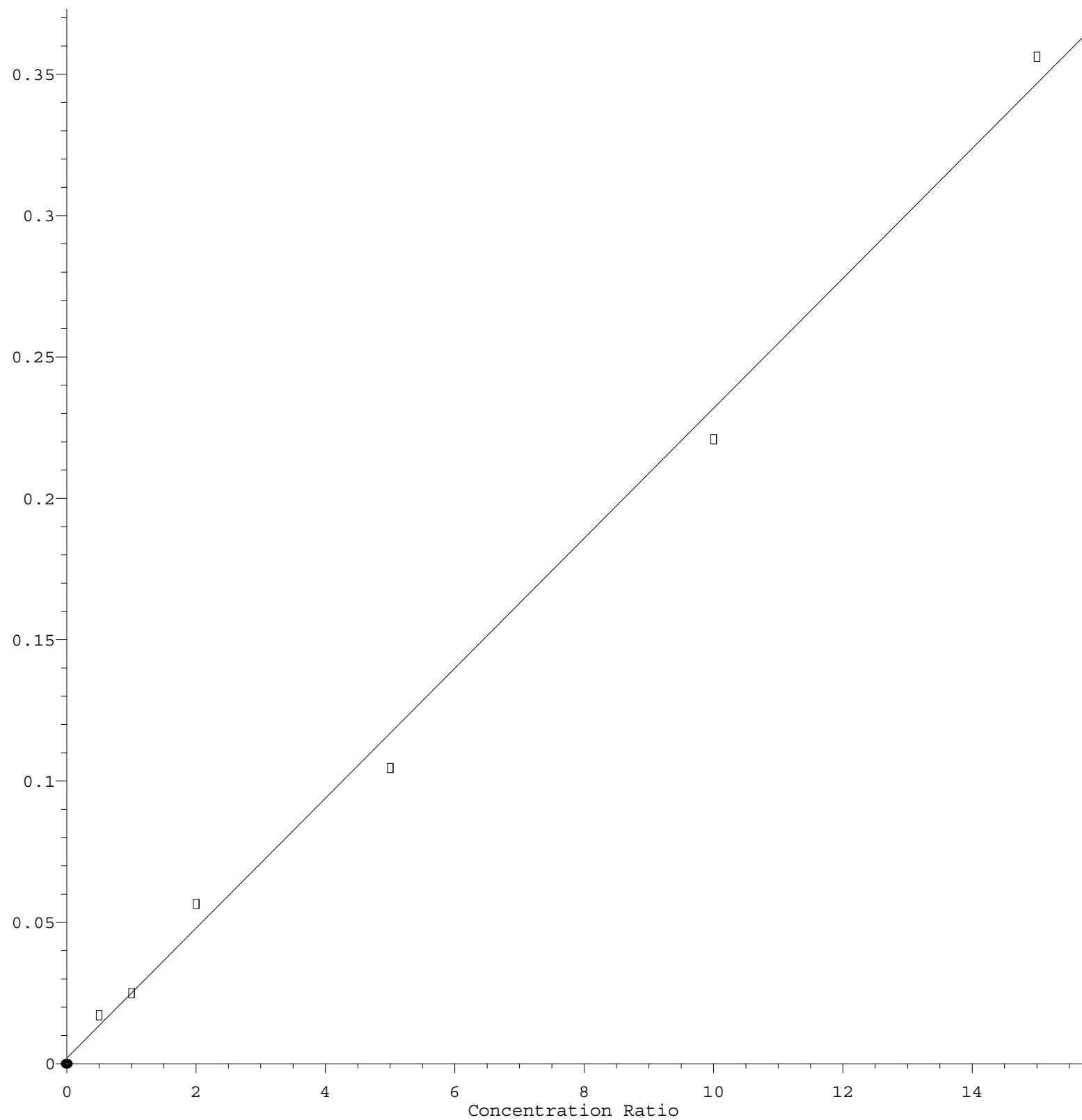
Coef of Det (r^2) = 0.997558 Curve Fit: Linear

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Tert butyl alcohol

Response Ratio



$$\text{Response} = 2.297\text{e-}002 * \text{Amt} + 1.794\text{e-}003$$

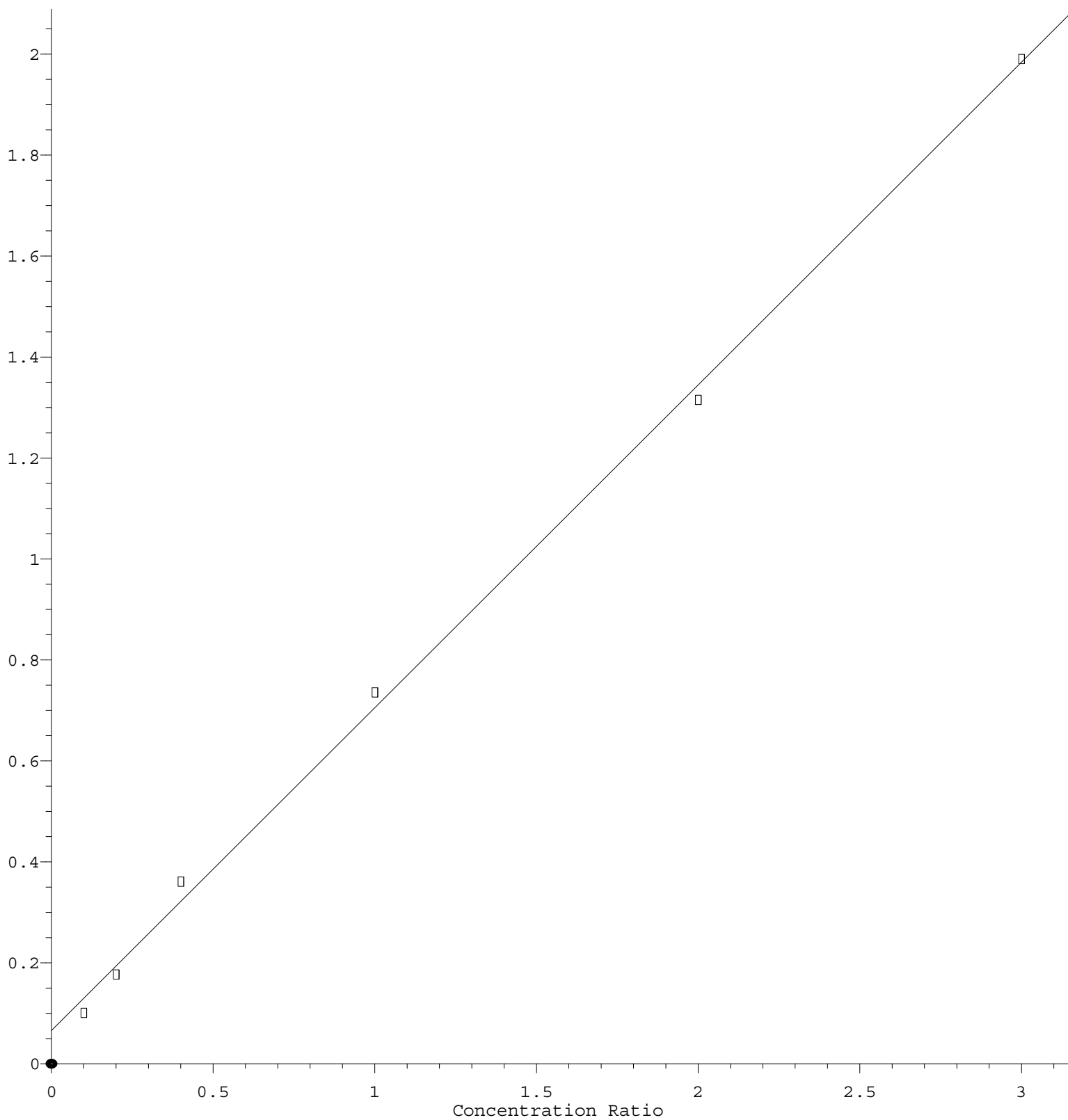
Coef of Det (r^2) = 0.995001 Curve Fit: Linear

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Chloromethane

Response Ratio



$$\text{Response} = 6.392\text{e-}001 * \text{Amt} + 6.604\text{e-}002$$

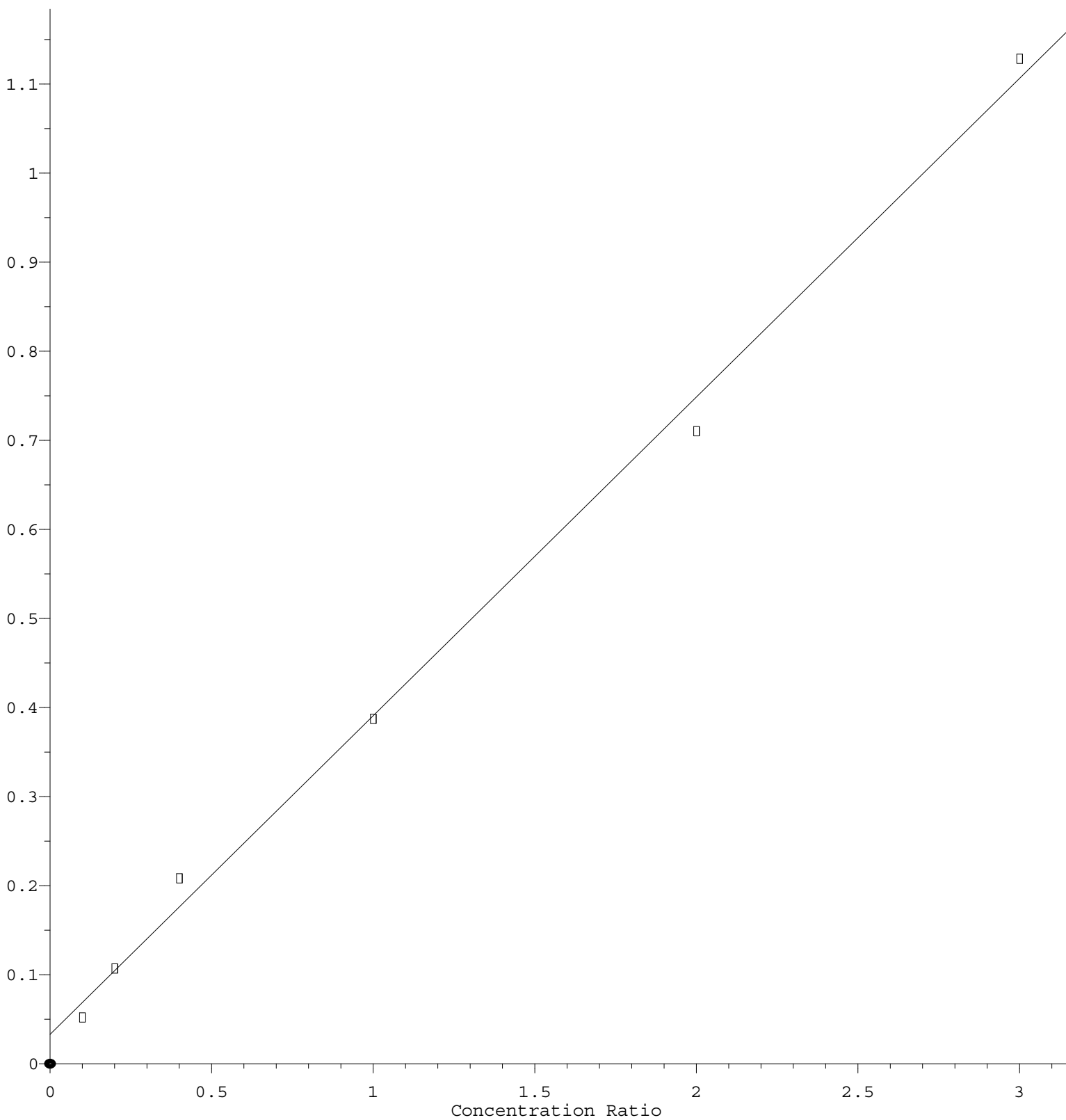
Coef of Det (r^2) = 0.998370 Curve Fit: Linear

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Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 3.577\text{e-}001 * \text{Amt} + 3.269\text{e-}002$$

Coef of Det (r^2) = 0.996198 Curve Fit: Linear

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