

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D101122S.M
 Title : SW846 8260
 Last Update : Wed Oct 12 13:14:00 2022
 Response Via : Initial Calibration

Calibration Files

10 =VD074518.D 5 =VD074511.D 20 =VD074519.D 50 =VD074514.D 100 =VD074515.D 150 =VD074516.D

	Compound	10	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.444	0.519	0.420	0.509	0.502	0.507	0.483	8.50
3) P	Chloromethane	0.630	0.637	0.596	0.606	0.563	0.577	0.602	4.81
4) C	Vinyl Chloride	0.608	0.589	0.579	0.644	0.646	0.668	0.622	5.71#
5) T	Bromomethane	0.490	0.464	0.451	0.394	0.397	0.453	0.442	8.70
6) T	Chloroethane	0.423	0.366	0.414	0.419	0.422	0.447	0.415	6.48
7) T	Trichlorofluor...	0.970	0.975	0.874	0.954	0.956	0.985	0.952	4.20
8) T	Diethyl Ether	0.277	0.269	0.273	0.299	0.295	0.301	0.286	4.92
9) T	1,1,2-Trichlor...	0.648	0.660	0.615	0.630	0.637	0.651	0.640	2.51
10) T	Methyl Iodide	0.570	0.536	0.644	0.821	0.877	0.957	0.734	23.74
11) T	Tert butyl alc...	0.119	0.206	0.088	0.048	0.044	0.039	0.090	71.08
12) CM	1,1-Dichloroet...	0.671	0.645	0.626	0.653	0.650	0.667	0.652	2.49#
13) T	Acrolein	0.024	0.026	0.025	0.019	0.019	0.020	0.022	14.44
14) T	Allyl chloride	0.712	0.696	0.682	0.745	0.715	0.711	0.710	2.98
15) T	Acrylonitrile	0.109	0.107	0.110	0.119	0.118	0.119	0.114	4.86
16) T	Acetone	0.084	0.108	0.080	0.099	0.097	0.089	0.093	11.52
17) T	Carbon Disulfide	1.944	1.963	1.900	1.933	1.897	1.930	1.928	1.32
18) T	Methyl Acetate	0.290	0.340	0.303	0.276	0.277	0.287	0.295	8.07
19) T	Methyl tert-bu...	1.197	1.120	1.248	1.325	1.271	1.283	1.241	5.84
20) T	Methylene Chlo...	1.300	1.329	0.994	0.758	0.717	0.705	0.967	29.87
21) T	trans-1,2-Dich...	0.711	0.683	0.681	0.734	0.691	0.714	0.702	2.98
22) T	Diisopropyl ether	1.463	1.330	1.504	1.505	1.359	1.354	1.419	5.66
23) T	Vinyl Acetate	0.551	0.554	0.586	0.681	0.649	0.676	0.616	9.73
24) P	1,1-Dichloroet...	1.129	1.127	1.094	1.124	1.058	1.060	1.099	3.03
25) T	2-Butanone	0.130	0.149	0.121	0.130	0.122	0.117	0.128	9.07
26) T	2,2-Dichloropr...	1.021	1.074	0.944	0.960	0.894	0.909	0.967	7.12
27) T	cis-1,2-Dichlo...	0.781	0.710	0.780	0.747	0.732	0.739	0.748	3.69
28) T	Bromochloromet...	0.315	0.267	0.329	0.291	0.271	0.268	0.290	9.17
29) T	Tetrahydrofuran	0.071	0.071	0.073	0.071	0.070	0.070	0.071	1.59
30) C	Chloroform	1.080	1.137	1.115	1.069	0.982	1.004	1.064	5.73#
31) T	Cyclohexane	0.988	1.119	0.868	0.879	0.827	0.814	0.916	12.81
32) T	1,1,1-Trichlor...	0.999	1.026	0.946	0.963	0.922	0.927	0.964	4.26
33) S	1,2-Dichloroet...	0.462	0.469	0.347	0.449	0.428	0.428	0.430	10.30
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.428	0.336	0.307	0.308	0.295	0.288	0.327	15.90
36) T	1,1-Dichloropr...	0.510	0.497	0.460	0.482	0.470	0.460	0.480	4.28
37) T	Ethyl Acetate	0.171	0.169	0.159	0.152	0.150	0.143	0.157	7.07
38) T	Carbon Tetrach...	0.434	0.430	0.424	0.457	0.455	0.463	0.444	3.72
39) T	Methylcyclohexane	0.592	0.597	0.589	0.608	0.613	0.604	0.601	1.60
40) TM	Benzene	1.432	1.527	1.401	1.459	1.381	1.370	1.428	4.10
41) T	Methacrylonitrile	0.087	0.093	0.083	0.087	0.097	0.095	0.090	6.16
42) TM	1,2-Dichloroet...	0.338	0.374	0.324	0.339	0.326	0.324	0.337	5.67
43) T	Isopropyl Acetate	0.281	0.285	0.283	0.300	0.292	0.296	0.289	2.68
44) TM	Trichloroethene	0.413	0.431	0.401	0.401	0.407	0.399	0.409	2.97
45) C	1,2-Dichloropr...	0.326	0.335	0.324	0.340	0.313	0.314	0.325	3.31#
46) T	Dibromomethane	0.187	0.182	0.181	0.188	0.179	0.180	0.183	2.07
47) T	Bromodichlorom...	0.458	0.458	0.452	0.460	0.444	0.439	0.452	1.88
48) T	Methyl methacr...	0.137	0.146	0.140	0.138	0.142	0.138	0.140	2.46
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	7.91
50) S	Toluene-d8	1.013	1.272	0.736	1.239	1.170	1.165	1.099	18.11
51) T	4-Methyl-2-Pen...	0.143	0.132	0.146	0.150	0.147	0.141	0.143	4.36
52) CM	Toluene	0.911	0.894	0.906	0.932	0.885	0.888	0.903	1.94#
53) T	t-1,3-Dichloro...	0.362	0.367	0.396	0.418	0.407	0.414	0.394	6.10
54) T	cis-1,3-Dichlo...	0.492	0.463	0.494	0.526	0.507	0.504	0.498	4.19
55) T	1,1,2-Trichlor...	0.266	0.217	0.252	0.255	0.240	0.240	0.245	6.95
56) T	Ethyl methacry...	0.279	0.242	0.285	0.297	0.298	0.294	0.283	7.55

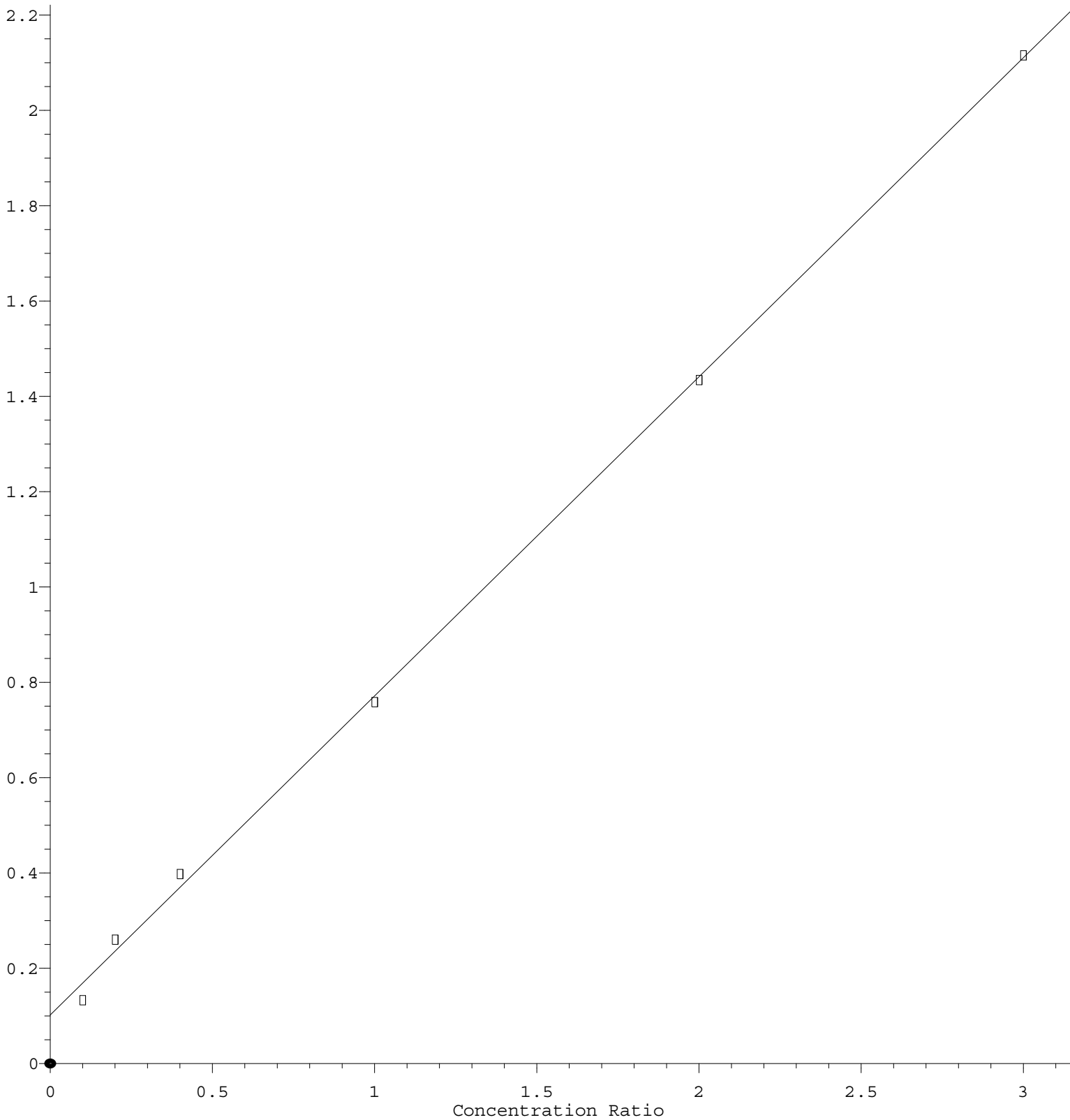
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57)	T	1,3-Dichloropr...	0.428	0.398	0.427	0.412	0.397	0.398	0.410	3.60
58)	T	2-Chloroethyl ...	0.034	0.050	0.043	0.057	0.063	0.071	0.053	25.38
59)	T	2-Hexanone	0.090	0.086	0.099	0.102	0.103	0.096	0.096	7.20
60)	T	Dibromochlorom...	0.296	0.286	0.306	0.297	0.293	0.291	0.295	2.31
61)	T	1,2-Dibromoethane	0.241	0.206	0.232	0.236	0.229	0.224	0.228	5.42
62)	S	4-Bromofluorob...	0.609	0.372	0.465	0.337	0.336	0.325	0.407	27.35
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.402	0.414	0.366	0.355	0.350	0.361	0.374	7.07
65)	PM	Chlorobenzene	1.083	1.097	1.085	1.074	1.051	1.049	1.073	1.82
66)	T	1,1,1,2-Tetrac...	0.371	0.366	0.355	0.362	0.359	0.371	0.364	1.76
67)	C	Ethyl Benzene	1.946	1.904	1.860	1.924	1.883	1.897	1.902	1.59#
68)	T	m/p-Xylenes	0.764	0.752	0.754	0.764	0.751	0.766	0.759	0.91
69)	T	o-Xylene	0.728	0.683	0.703	0.707	0.701	0.713	0.706	2.09
70)	T	Styrene	1.205	1.165	1.222	1.210	1.174	1.179	1.193	1.91
71)	P	Bromoform	0.195	0.170	0.183	0.186	0.189	0.190	0.186	4.64
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.106	3.986	3.970	4.057	3.985	4.028	4.022	1.30
74)	T	N-amyl acetate	0.607	0.607	0.622	0.645	0.653	0.647	0.630	3.31
75)	P	1,1,2,2-Tetrac...	0.649	0.646	0.637	0.645	0.625	0.615	0.636	2.07
76)	T	1,2,3-Trichlor...	0.473	0.478	0.452	0.448	0.360	0.353	0.427	13.09
77)	T	Bromobenzene	0.919	0.936	0.894	0.912	0.889	0.910	0.910	1.87
78)	T	n-propylbenzene	5.021	4.897	4.871	4.905	4.729	4.775	4.866	2.13
79)	T	2-Chlorotoluene	2.724	2.701	2.613	2.605	2.493	2.535	2.612	3.46
80)	T	1,3,5-Trimethy...	3.331	3.226	3.220	3.350	3.209	3.278	3.269	1.85
81)	T	trans-1,4-Dich...	0.147	0.156	0.152	0.186	0.184	0.186	0.168	10.97
82)	T	4-Chlorotoluene	2.704	2.692	2.640	2.652	2.513	2.528	2.622	3.13
83)	T	tert-Butylbenzene	2.934	2.815	2.794	2.912	2.818	2.902	2.863	2.10
84)	T	1,2,4-Trimethy...	3.337	3.222	3.199	3.258	3.174	3.240	3.238	1.75
85)	T	sec-Butylbenzene	4.592	4.373	4.255	4.330	4.278	4.342	4.362	2.77
86)	T	p-Isopropyltol...	3.752	3.519	3.513	3.634	3.574	3.738	3.622	2.90
87)	T	1,3-Dichlorobe...	1.927	1.935	1.823	1.864	1.757	1.879	1.864	3.59
88)	T	1,4-Dichlorobe...	1.989	1.985	1.791	1.793	1.746	1.798	1.850	5.81
89)	T	n-Butylbenzene	3.444	3.406	3.339	3.449	3.302	3.358	3.383	1.76
90)	T	Hexachloroethane	0.646	0.649	0.613	0.648	0.637	0.642	0.639	2.12
91)	T	1,2-Dichlorobe...	1.652	1.669	1.552	1.588	1.523	1.559	1.590	3.66
92)	T	1,2-Dibromo-3-...	0.074	0.090	0.088	0.092	0.089	0.089	0.087	7.33
93)	T	1,2,4-Trichlor...	1.052	1.065	0.987	1.036	1.061	1.092	1.049	3.35
94)	T	Hexachlorobuta...	0.552	0.534	0.500	0.554	0.559	0.573	0.545	4.63
95)	T	Naphthalene	1.920	1.849	1.844	2.013	2.102	2.155	1.980	6.61
96)	T	1,2,3-Trichlor...	0.882	0.879	0.841	0.911	0.918	0.940	0.895	3.89

(#) = Out of Range

Methylene Chloride

Response Ratio



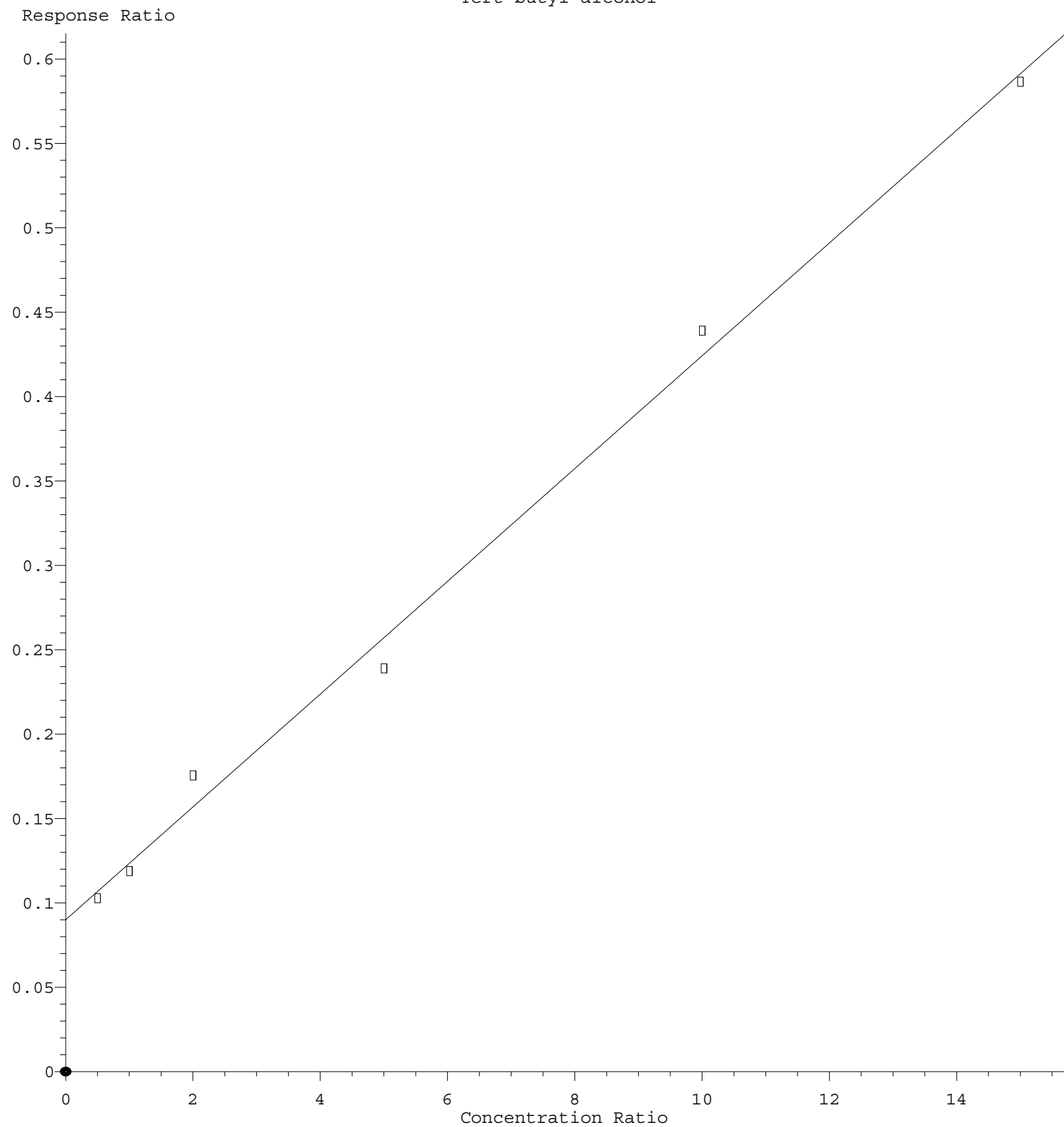
$$\text{Response} = 6.694\text{e-}001 * \text{Amt} + 1.022\text{e-}001$$

Coef of Det (r^2) = 0.999042 Curve Fit: Linear

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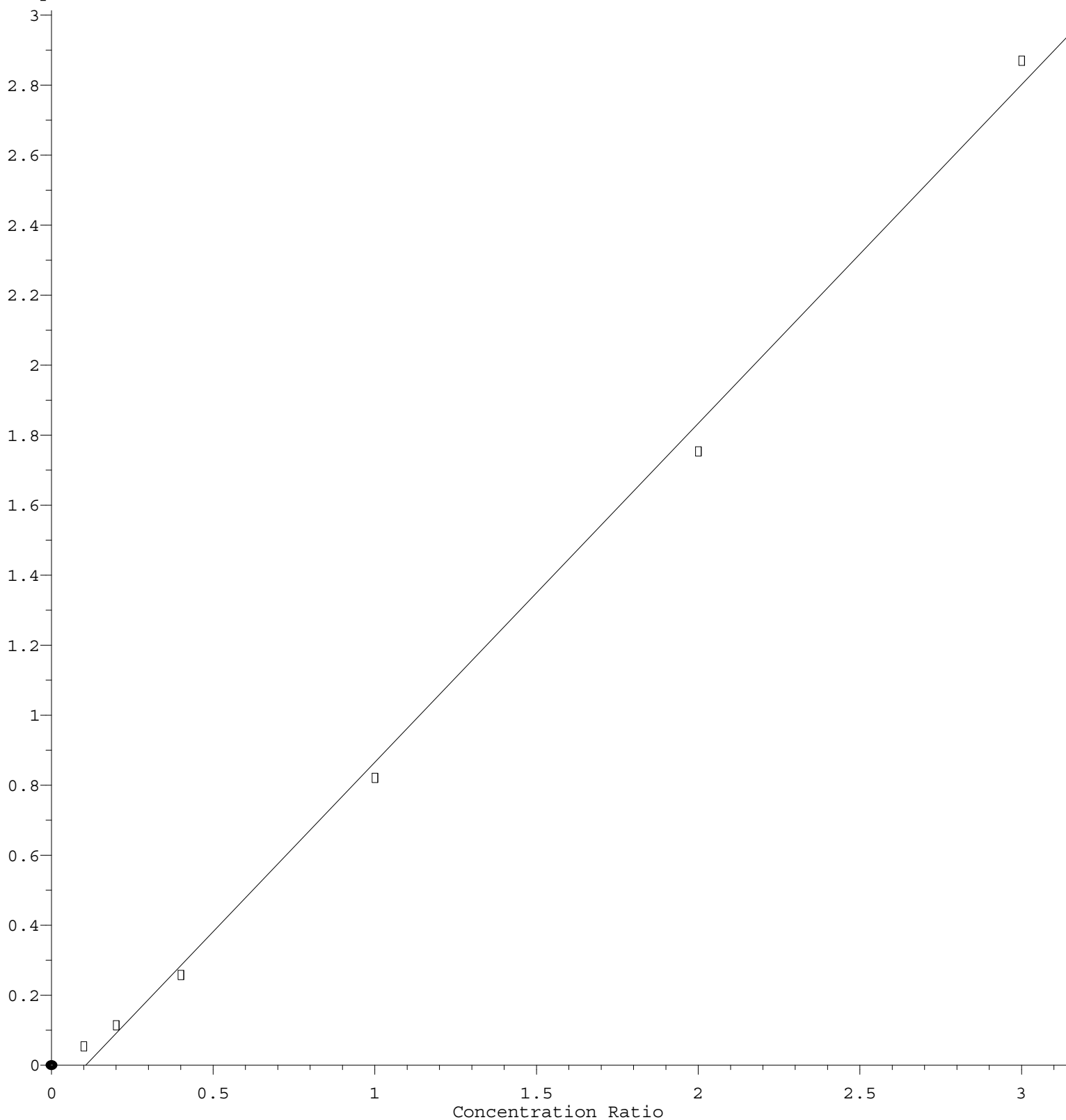
Tert butyl alcohol



Response = $3.345 \times 10^{-2} \times \text{Amt} + 9.016 \times 10^{-2}$
Coef of Det (r^2) = 0.994941 Curve Fit: Linear
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Methyl Iodide

Response Ratio



$$\text{Response} = 9.681\text{e-}001 * \text{Amt} - 1.029\text{e-}001$$

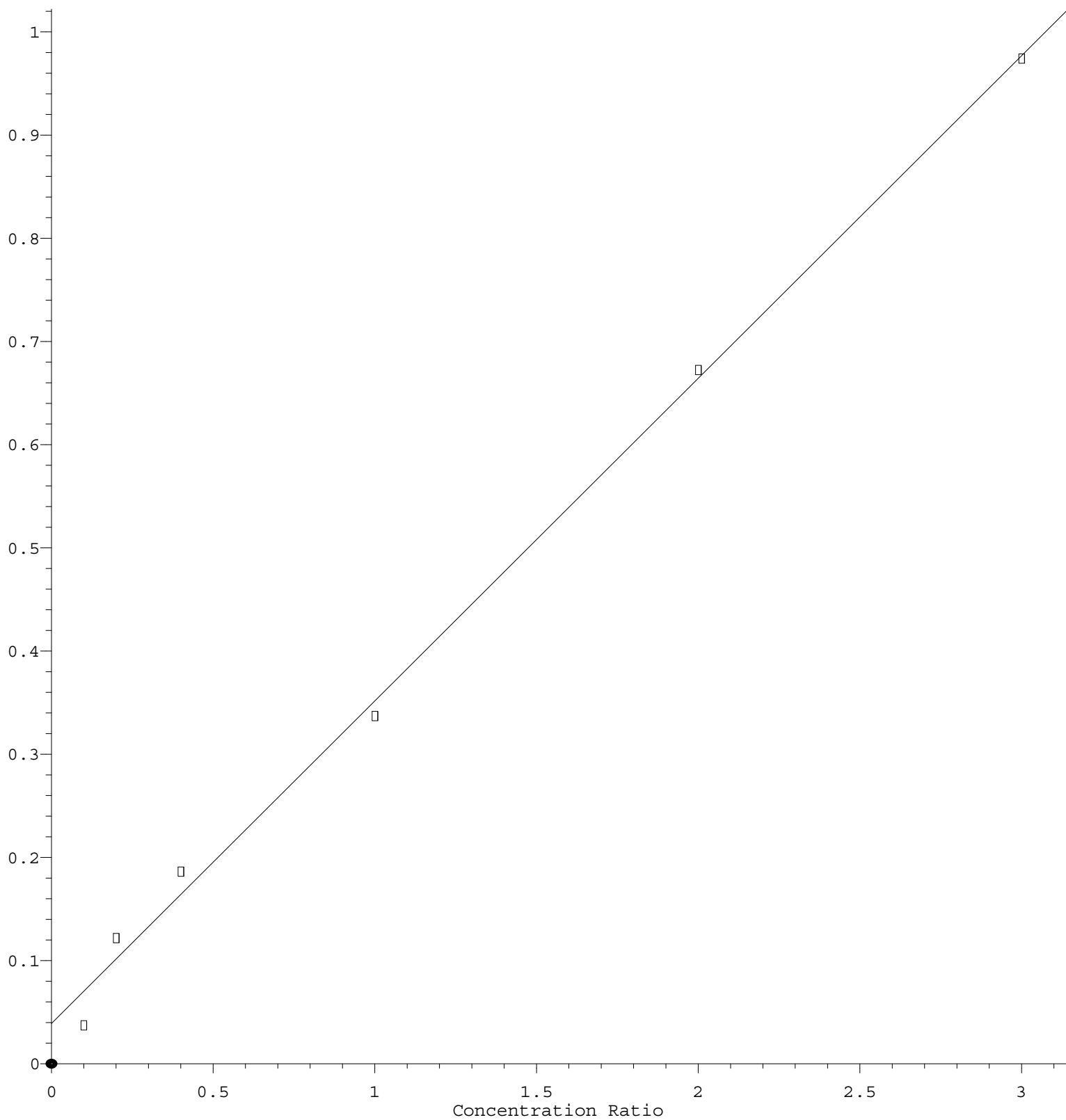
Coef of Det (r^2) = 0.997183 Curve Fit: Linear

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4-Bromofluorobenzene

Response Ratio



$$\text{Response} = 3.130\text{e-}001 * \text{Amt} + 3.853\text{e-}002$$

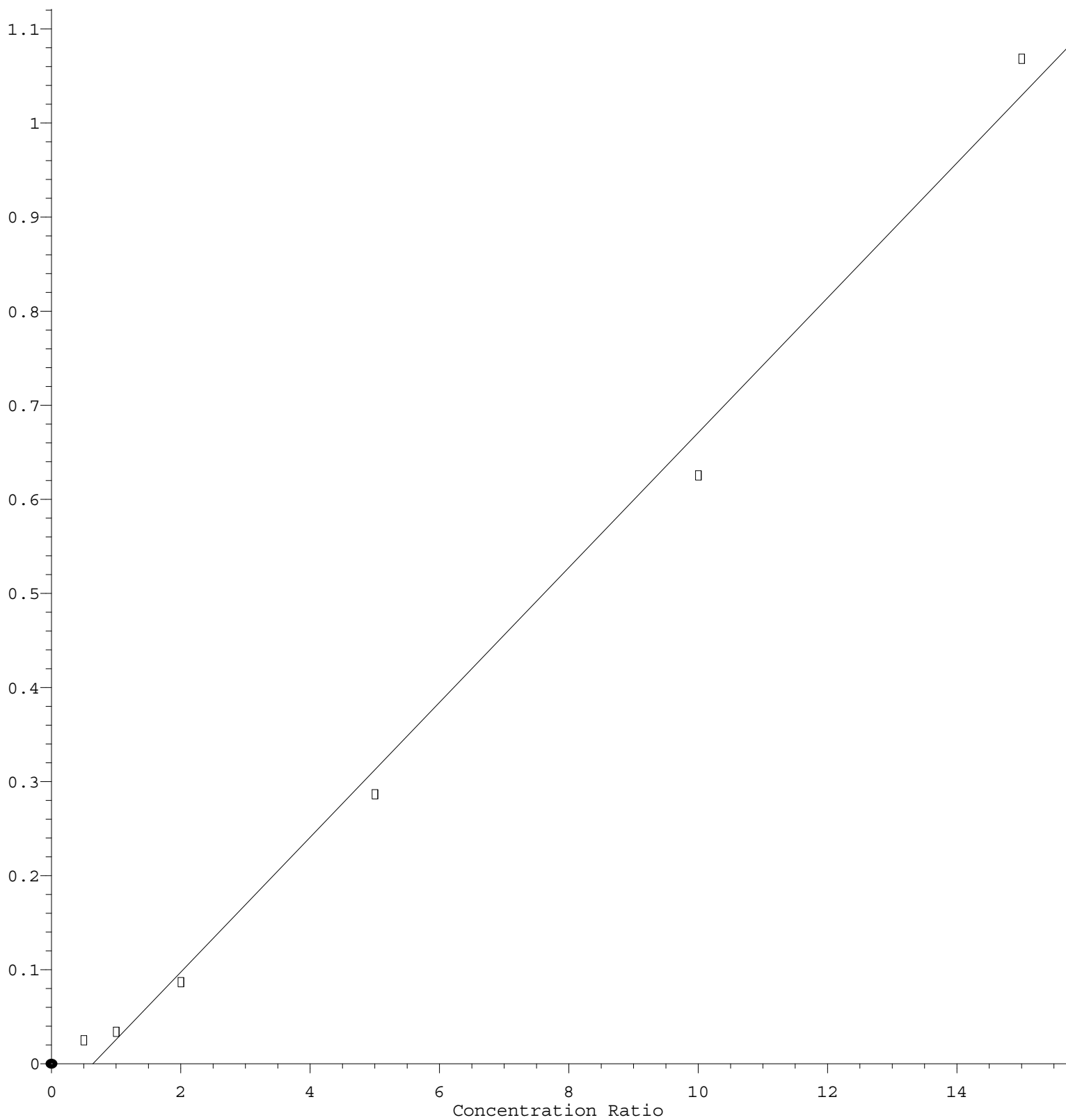
Coef of Det (r^2) = 0.996555 Curve Fit: Linear

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2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 7.170\text{e-}002 * \text{Amt} - 4.605\text{e-}002$$

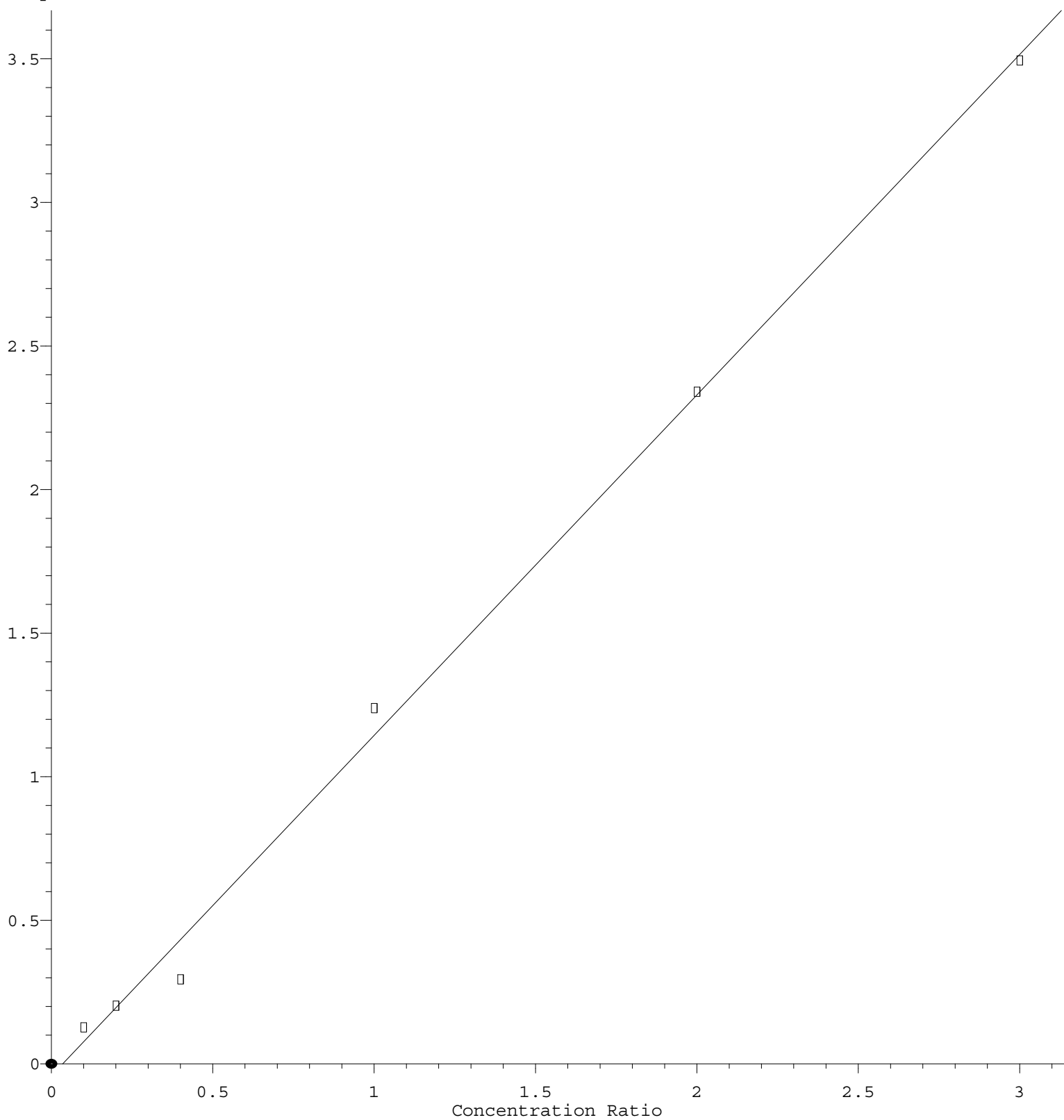
Coef of Det (r^2) = 0.993485 Curve Fit: Linear

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Toluene-d8

Response Ratio



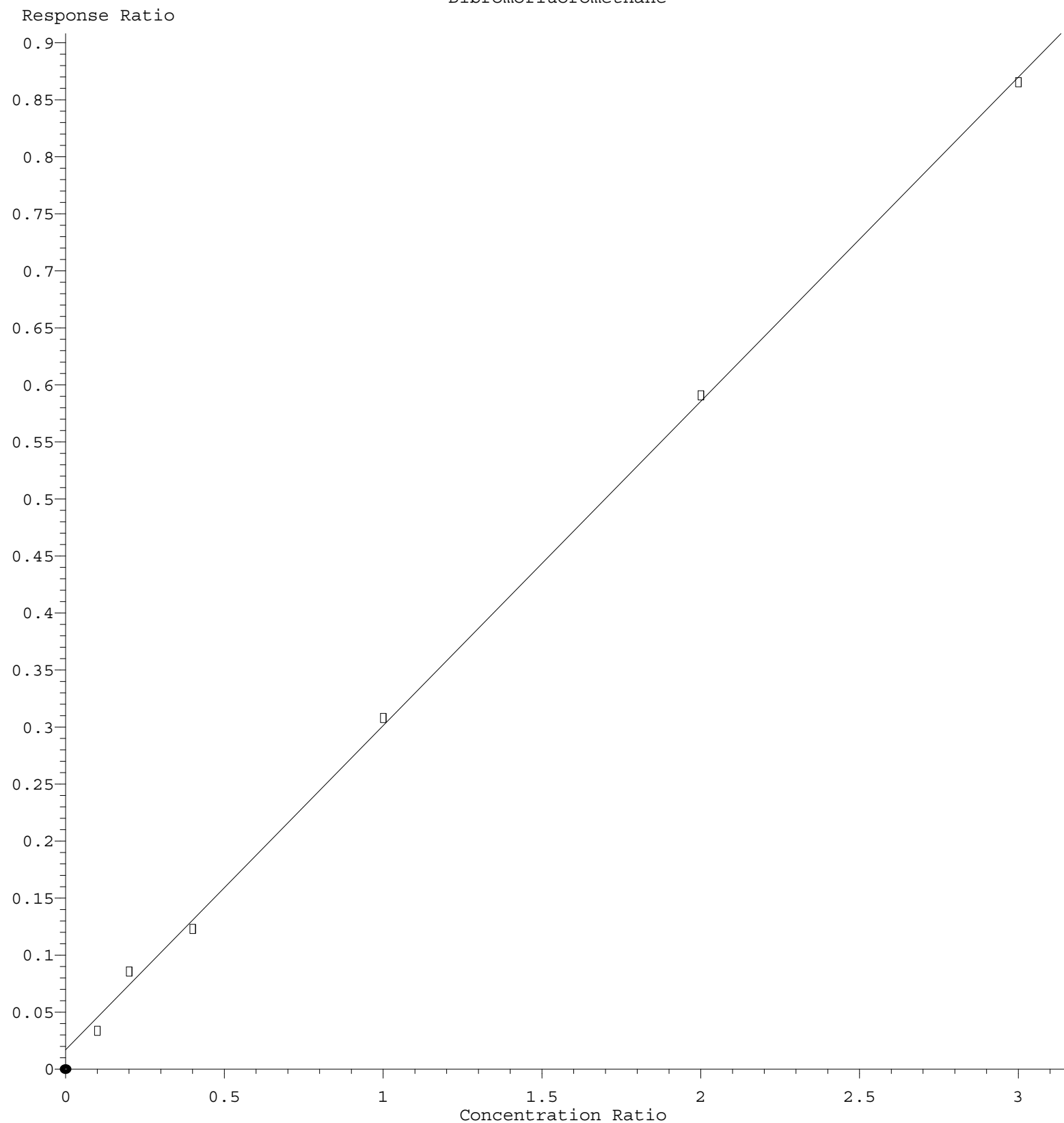
$$\text{Response} = 1.186 \times 10^0 \times \text{Amt} - 4.103 \times 10^{-2}$$

Coef of Det (r^2) = 0.996703 Curve Fit: Linear

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Dibromofluoromethane



Response = 2.846e-001 * Amt + 1.658e-002
 Coef of Det (r^2) = 0.999214 Curve Fit: Linear
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