

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D100522S.M
 Title : SW846 8260
 Last Update : Thu Oct 06 01:54:40 2022
 Response Via : Initial Calibration

Calibration Files

10 =VD074451.D 5 =VD074450.D 20 =VD074452.D 50 =VD074453.D 100 =VD074454.D 150 =VD074455.D

	Compound	10	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.398	0.435	0.390	0.492	0.475	0.458	0.441	9.37
3) P	Chloromethane	0.645	0.706	0.603	0.604	0.552	0.544	0.609	9.93
4) C	Vinyl Chloride	0.482	0.501	0.504	0.574	0.556	0.554	0.528	7.01#
5) T	Bromomethane	0.307	0.313	0.273	0.302	0.326	0.335	0.309	7.01
6) T	Chloroethane	0.323	0.337	0.332	0.368	0.364	0.364	0.348	5.62
7) T	Trichlorofluor...	0.812	0.836	0.825	0.924	0.899	0.895	0.865	5.36
8) T	Diethyl Ether	0.254	0.246	0.263	0.293	0.273	0.277	0.268	6.30
9) T	1,1,2-Trichlor...	0.537	0.529	0.539	0.588	0.582	0.579	0.559	4.77
10) T	Methyl Iodide	0.400	0.357	0.519	0.717	0.801	0.826	0.603	34.04
11) T	Tert butyl alc...	0.096	0.137	0.070	0.044	0.035	0.034	0.069	59.30
12) CM	1,1-Dichloroet...	0.572	0.577	0.564	0.622	0.604	0.598	0.589	3.78#
13) T	Acrolein	0.031	0.025	0.032	0.032	0.028	0.028	0.029	9.24
14) T	Allyl chloride	0.671	0.630	0.669	0.722	0.686	0.669	0.675	4.46
15) T	Acrylonitrile	0.108	0.094	0.103	0.116	0.107	0.111	0.106	7.00
16) T	Acetone	0.093	0.108	0.080	0.125	0.094	0.087	0.098	16.59
17) T	Carbon Disulfide	1.782	1.816	1.818	1.970	1.894	1.877	1.860	3.67
18) T	Methyl Acetate	0.263	0.309	0.258	0.277	0.249	0.263	0.270	7.88
19) T	Methyl tert-bu...	1.150	1.050	1.124	1.242	1.197	1.204	1.161	5.92
20) T	Methylene Chlo...	1.020	1.180	0.813	0.682	0.648	0.638	0.830	26.94
21) T	trans-1,2-Dich...	0.632	0.623	0.646	0.672	0.671	0.667	0.652	3.28
22) T	Diisopropyl ether	1.385	1.246	1.362	1.460	1.438	1.359	1.375	5.49
23) T	Vinyl Acetate	0.560	0.548	0.580	0.726	0.716	0.666	0.632	12.65
24) P	1,1-Dichloroet...	0.996	0.982	0.989	1.040	0.993	0.985	0.998	2.12
25) T	2-Butanone	0.132	0.132	0.113	0.148	0.122	0.118	0.127	9.77
26) T	2,2-Dichloropr...	0.918	0.941	0.838	0.894	0.862	0.836	0.881	4.90
27) T	cis-1,2-Dichlo...	0.692	0.689	0.684	0.694	0.694	0.683	0.689	0.69
28) T	Bromochloromet...	0.306	0.270	0.300	0.313	0.289	0.290	0.295	5.08
29) T	Tetrahydrofuran	0.073	0.065	0.070	0.076	0.072	0.072	0.071	5.36
30) C	Chloroform	1.103	1.051	1.031	1.024	0.990	0.987	1.031	4.20#
31) T	Cyclohexane	0.920	0.975	0.846	0.887	0.871	0.855	0.892	5.39
32) T	1,1,1-Trichlor...	0.918	0.955	0.873	0.910	0.908	0.900	0.911	2.93
33) S	1,2-Dichloroet...	0.401	0.477	0.415	0.480	0.454	0.440	0.444	7.24
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.391	0.300	0.378	0.308	0.304	0.297	0.330	12.96
36) T	1,1-Dichloropr...	0.469	0.438	0.463	0.464	0.472	0.472	0.463	2.76
37) T	Ethyl Acetate	0.152	0.142	0.148	0.164	0.155	0.152	0.152	4.90
38) T	Carbon Tetrach...	0.401	0.354	0.396	0.424	0.448	0.437	0.410	8.26
39) T	Methylcyclohexane	0.544	0.483	0.550	0.601	0.612	0.616	0.567	9.14
40) TM	Benzene	1.355	1.300	1.311	1.368	1.387	1.343	1.344	2.49
41) T	Methacrylonitrile	0.083	0.074	0.091	0.074	0.088	0.089	0.083	8.78
42) TM	1,2-Dichloroet...	0.332	0.308	0.307	0.325	0.315	0.323	0.318	3.17
43) T	Isopropyl Acetate	0.296	0.271	0.272	0.304	0.295	0.300	0.290	4.98
44) TM	Trichloroethene	0.369	0.390	0.369	0.376	0.378	0.383	0.378	2.13
45) C	1,2-Dichloropr...	0.318	0.307	0.304	0.315	0.315	0.313	0.312	1.71#
46) T	Dibromomethane	0.172	0.161	0.166	0.183	0.177	0.177	0.173	4.73
47) T	Bromodichlorom...	0.437	0.425	0.410	0.438	0.440	0.439	0.432	2.80
48) T	Methyl methacr...	0.137	0.127	0.124	0.141	0.137	0.143	0.135	5.82
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	9.09
50) S	Toluene-d8	0.887	1.199	0.900	1.270	1.264	1.215	1.123	15.99
51) T	4-Methyl-2-Pen...	0.138	0.130	0.139	0.158	0.152	0.148	0.144	6.97
52) CM	Toluene	0.807	0.809	0.824	0.896	0.900	0.860	0.850	4.95#
53) T	t-1,3-Dichloro...	0.367	0.367	0.375	0.417	0.427	0.412	0.394	6.98
54) T	cis-1,3-Dichlo...	0.470	0.452	0.470	0.506	0.510	0.504	0.485	5.04
55) T	1,1,2-Trichlor...	0.251	0.246	0.234	0.247	0.242	0.238	0.243	2.50
56) T	Ethyl methacry...	0.253	0.234	0.256	0.302	0.303	0.293	0.273	10.73

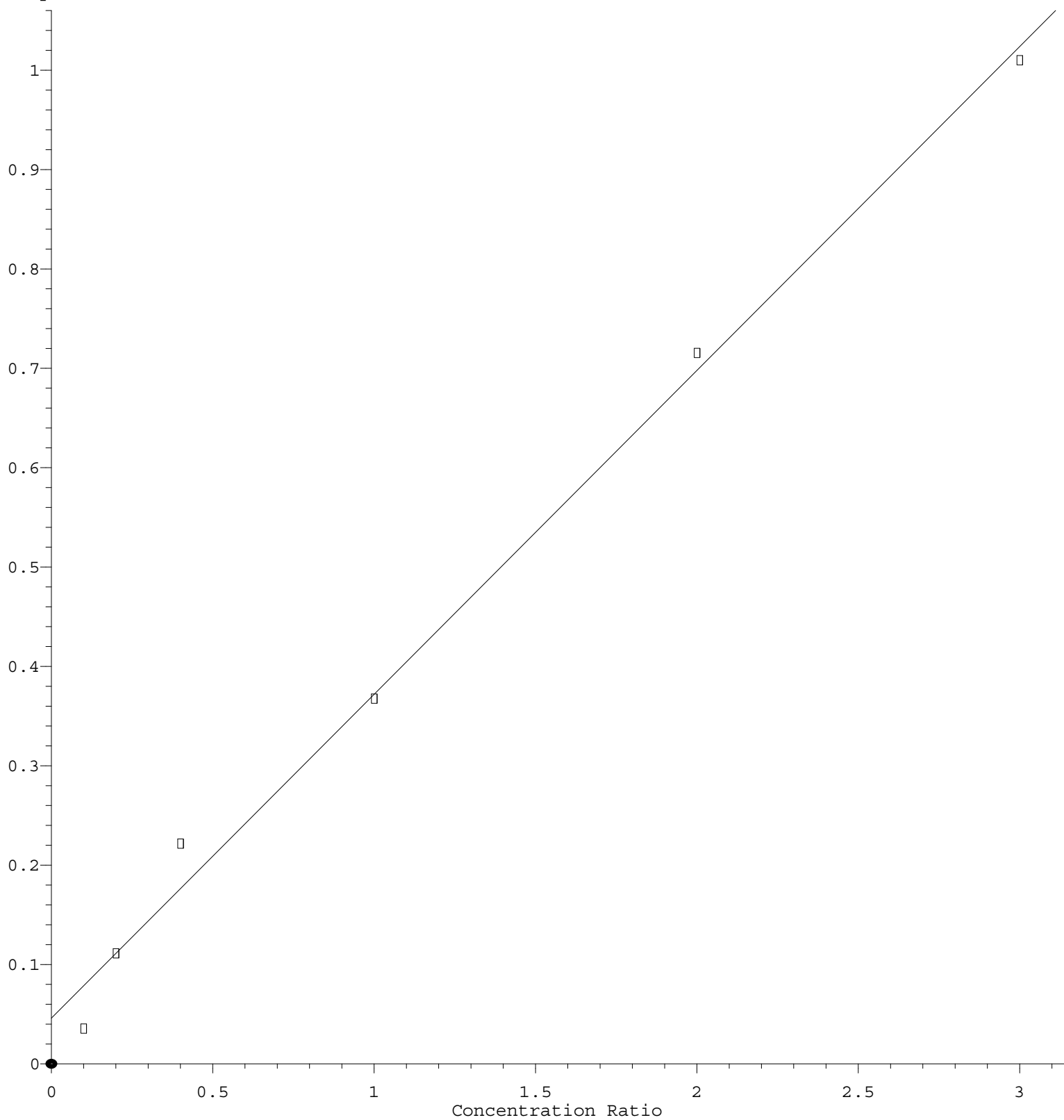
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
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57)	T	1,3-Dichloropr...	0.381	0.367	0.383	0.411	0.409	0.397	0.392	4.42
58)	T	2-Chloroethyl ...	0.036	0.045	0.041	0.061	0.072	0.068	0.054	28.04
59)	T	2-Hexanone	0.091	0.088	0.092	0.116	0.104	0.101	0.099	10.77
60)	T	Dibromochlorom...	0.279	0.265	0.281	0.290	0.299	0.285	0.283	3.98
61)	T	1,2-Dibromoethane	0.216	0.224	0.219	0.236	0.227	0.226	0.225	3.09
62)	S	4-Bromofluorob...	0.556	0.355	0.554	0.367	0.358	0.337	0.421	24.75
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.367	0.363	0.318	0.341	0.343	0.349	0.347	5.14
65)	PM	Chlorobenzene	1.015	0.989	0.971	1.004	1.014	1.002	0.999	1.69
66)	T	1,1,1,2-Tetrac...	0.331	0.319	0.325	0.340	0.353	0.349	0.336	3.98
67)	C	Ethyl Benzene	1.783	1.719	1.729	1.857	1.884	1.835	1.801	3.79#
68)	T	m/p-Xylenes	0.707	0.652	0.689	0.744	0.730	0.726	0.708	4.74
69)	T	o-Xylene	0.638	0.597	0.643	0.665	0.682	0.677	0.650	4.86
70)	T	Styrene	1.110	1.017	1.097	1.184	1.144	1.134	1.114	5.04
71)	P	Bromoform	0.191	0.161	0.167	0.184	0.177	0.180	0.177	6.17
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.528	3.469	3.541	3.758	3.906	3.861	3.677	5.11
74)	T	N-amyl acetate	0.601	0.599	0.581	0.662	0.670	0.660	0.629	6.24
75)	P	1,1,2,2-Tetrac...	0.621	0.607	0.584	0.626	0.608	0.621	0.611	2.48
76)	T	1,2,3-Trichlor...	0.361	0.429	0.389	0.353	0.418	0.353	0.384	8.75
77)	T	Bromobenzene	0.837	0.851	0.801	0.824	0.853	0.850	0.836	2.43
78)	T	n-propylbenzene	4.418	4.283	4.333	4.619	4.712	4.589	4.492	3.83
79)	T	2-Chlorotoluene	2.361	2.332	2.331	2.444	2.458	2.431	2.393	2.42
80)	T	1,3,5-Trimethy...	2.961	2.921	2.995	3.135	3.149	3.066	3.038	3.08
81)	T	trans-1,4-Dich...	0.160	0.164	0.150	0.189	0.189	0.179	0.172	9.42
82)	T	4-Chlorotoluene	2.479	2.378	2.403	2.510	2.461	2.425	2.443	2.02
83)	T	tert-Butylbenzene	2.531	2.468	2.487	2.709	2.773	2.716	2.614	5.11
84)	T	1,2,4-Trimethy...	3.001	2.762	2.934	3.099	3.062	3.052	2.985	4.13
85)	T	sec-Butylbenzene	3.898	3.828	3.935	4.160	4.185	4.154	4.027	3.91
86)	T	p-Isopropyltol...	3.205	3.090	3.208	3.426	3.497	3.503	3.322	5.29
87)	T	1,3-Dichlorobe...	1.703	1.624	1.650	1.731	1.700	1.745	1.692	2.76
88)	T	1,4-Dichlorobe...	1.692	1.781	1.600	1.697	1.684	1.651	1.684	3.55
89)	T	n-Butylbenzene	3.014	2.837	3.016	3.245	3.302	3.253	3.111	5.90
90)	T	Hexachloroethane	0.596	0.552	0.544	0.600	0.623	0.621	0.589	5.77
91)	T	1,2-Dichlorobe...	1.436	1.423	1.391	1.478	1.464	1.442	1.439	2.13
92)	T	1,2-Dibromo-3-...	0.089	0.104	0.086	0.086	0.087	0.087	0.090	7.75
93)	T	1,2,4-Trichlor...	0.926	0.900	0.867	0.931	0.976	1.003	0.934	5.30
94)	T	Hexachlorobuta...	0.466	0.483	0.455	0.479	0.506	0.531	0.487	5.72
95)	T	Naphthalene	1.673	1.650	1.649	1.836	1.907	1.974	1.782	8.05
96)	T	1,2,3-Trichlor...	0.778	0.826	0.746	0.803	0.840	0.860	0.809	5.20

(#) = Out of Range

4-Bromofluorobenzene

Response Ratio



$$\text{Response} = 3.261\text{e-}001 * \text{Amt} + 4.602\text{e-}002$$

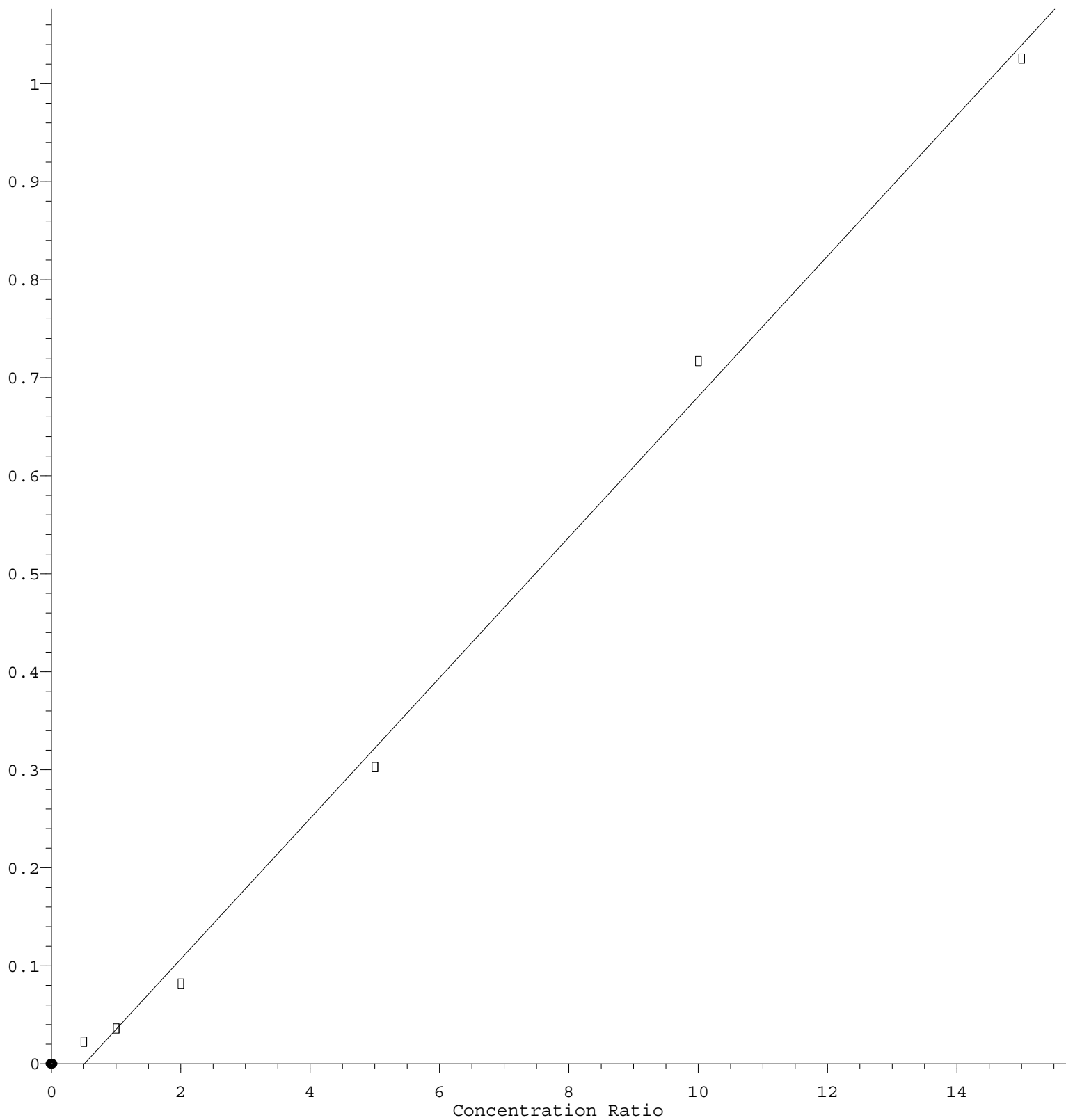
Coef of Det (r^2) = 0.993854 Curve Fit: Linear

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2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 7.179\text{e-}002 * \text{Amt} - 3.657\text{e-}002$$

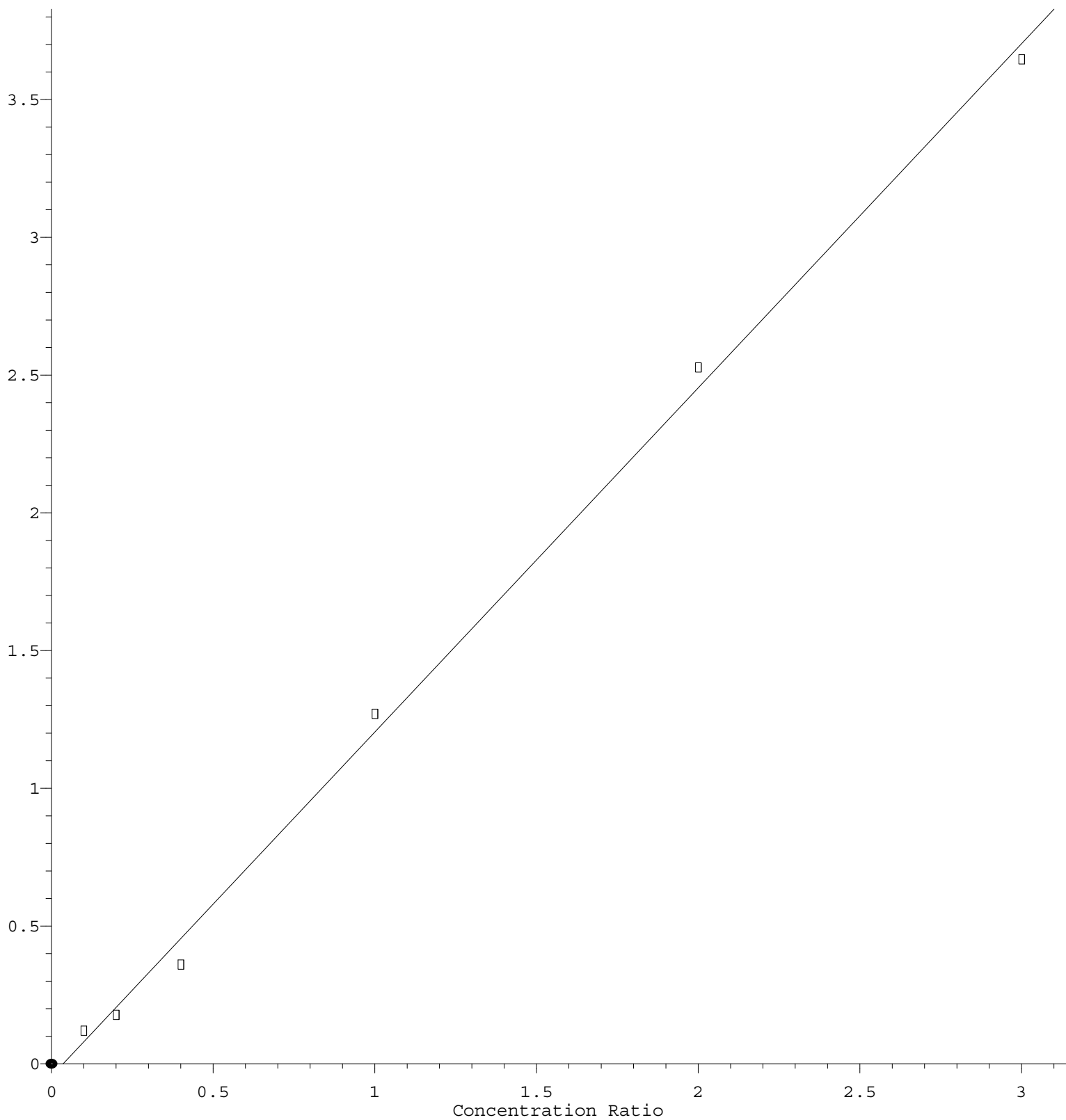
Coef of Det (r^2) = 0.996495 Curve Fit: Linear

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Toluene-d8

Response Ratio



$$\text{Response} = 1.250\text{e}+000 * \text{Amt} - 4.535\text{e}-002$$

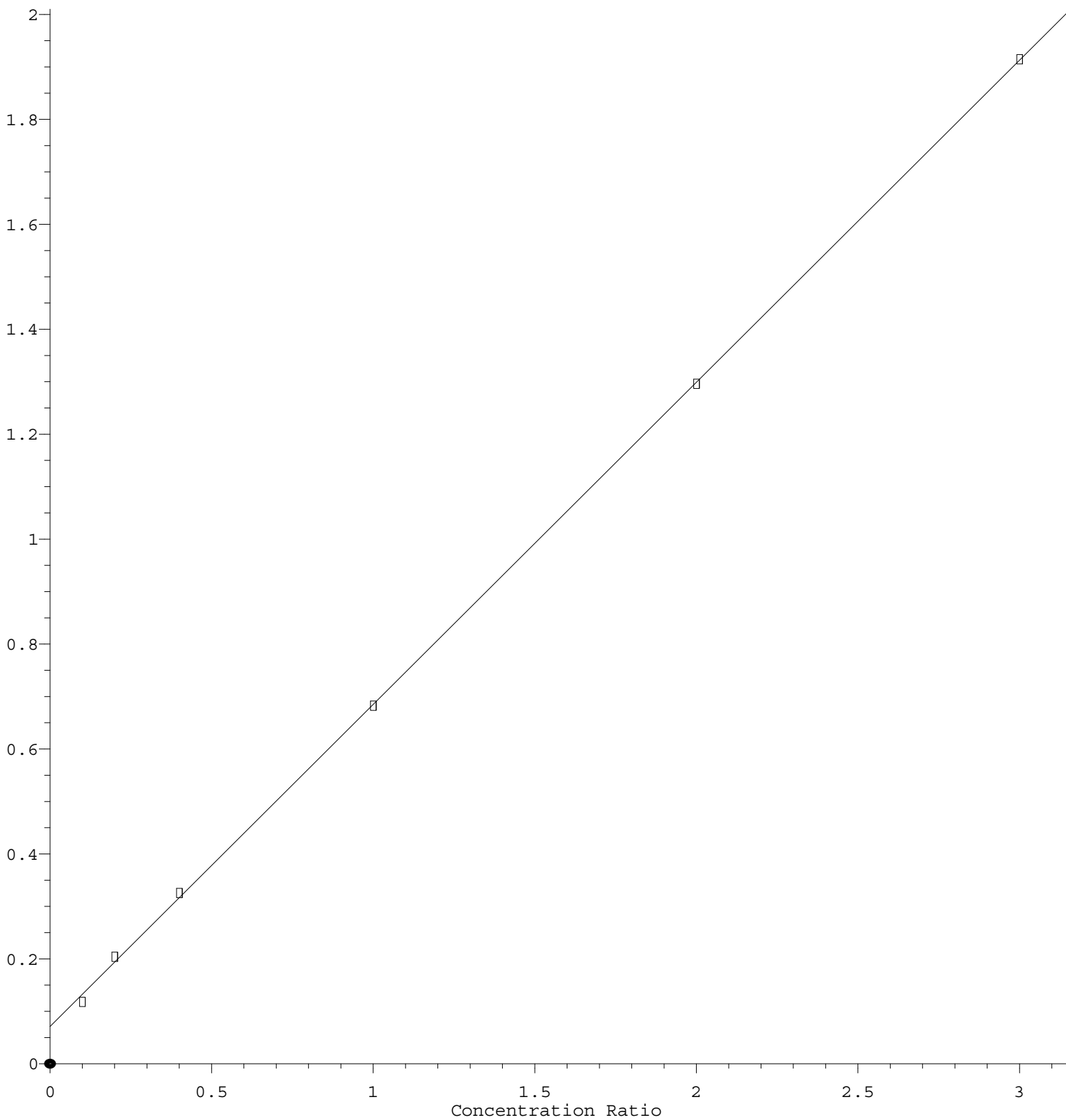
Coef of Det (r^2) = 0.997684 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 6.139\text{e-}001 * \text{Amt} + 7.112\text{e-}002$$

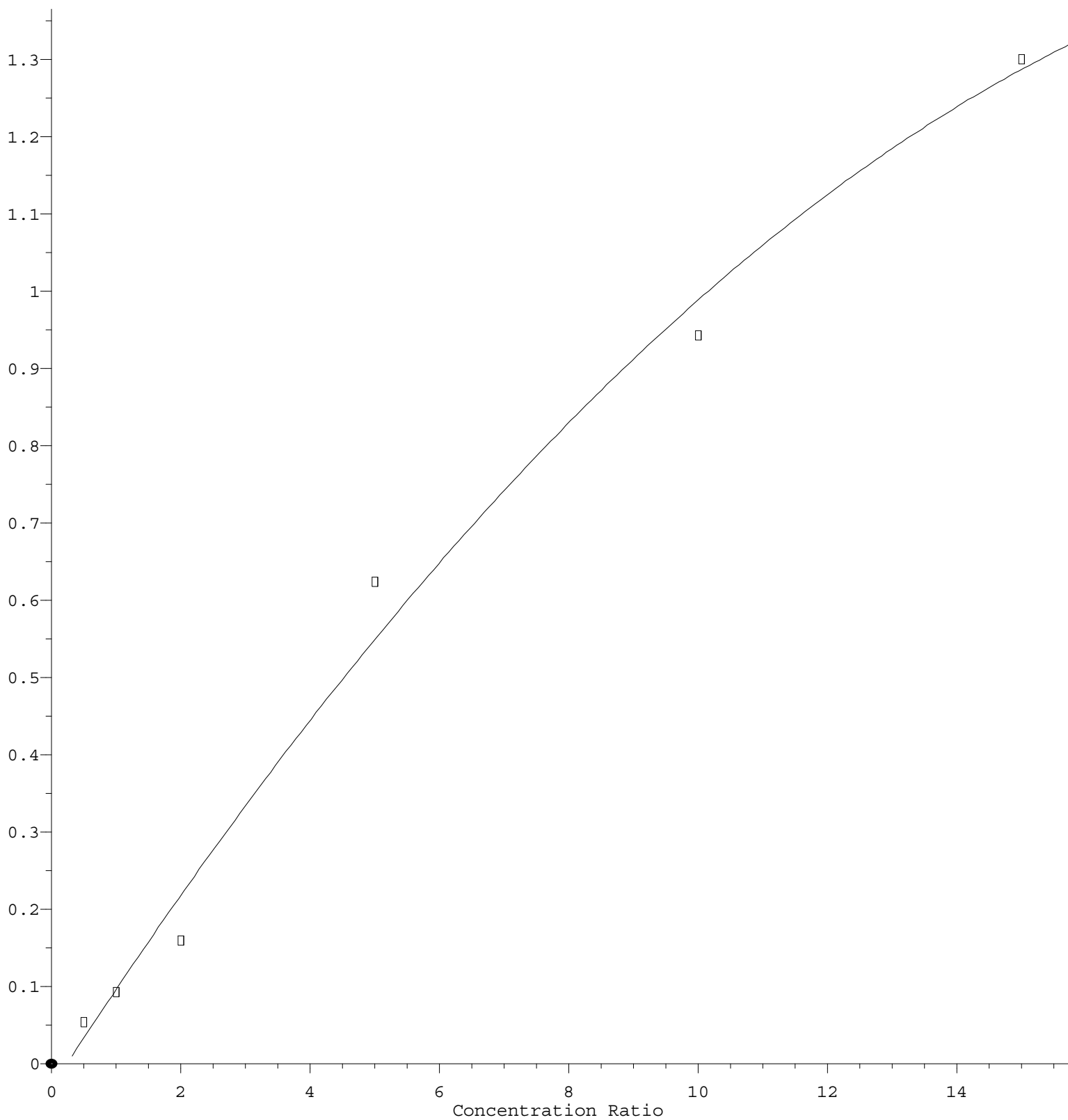
Coef of Det (r^2) = 0.999840 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D100522S.M

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Acetone

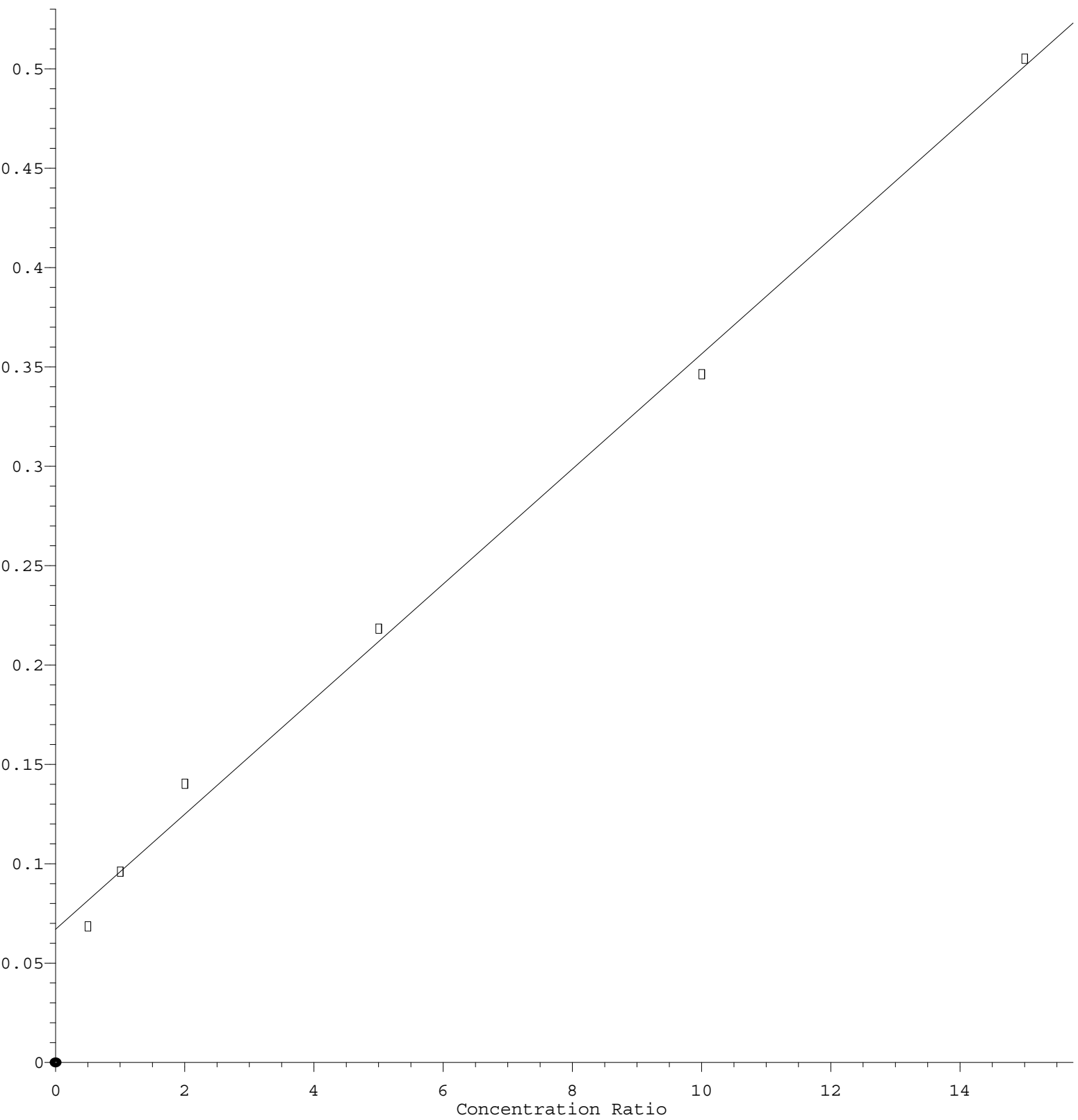
Response Ratio



$R = -2.820e-003 A^2 + 1.302e-001 A - 3.101e-002$
 Coef of Det (r^2) = 0.991200 Curve Fit: Quadratic
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Tert butyl alcohol

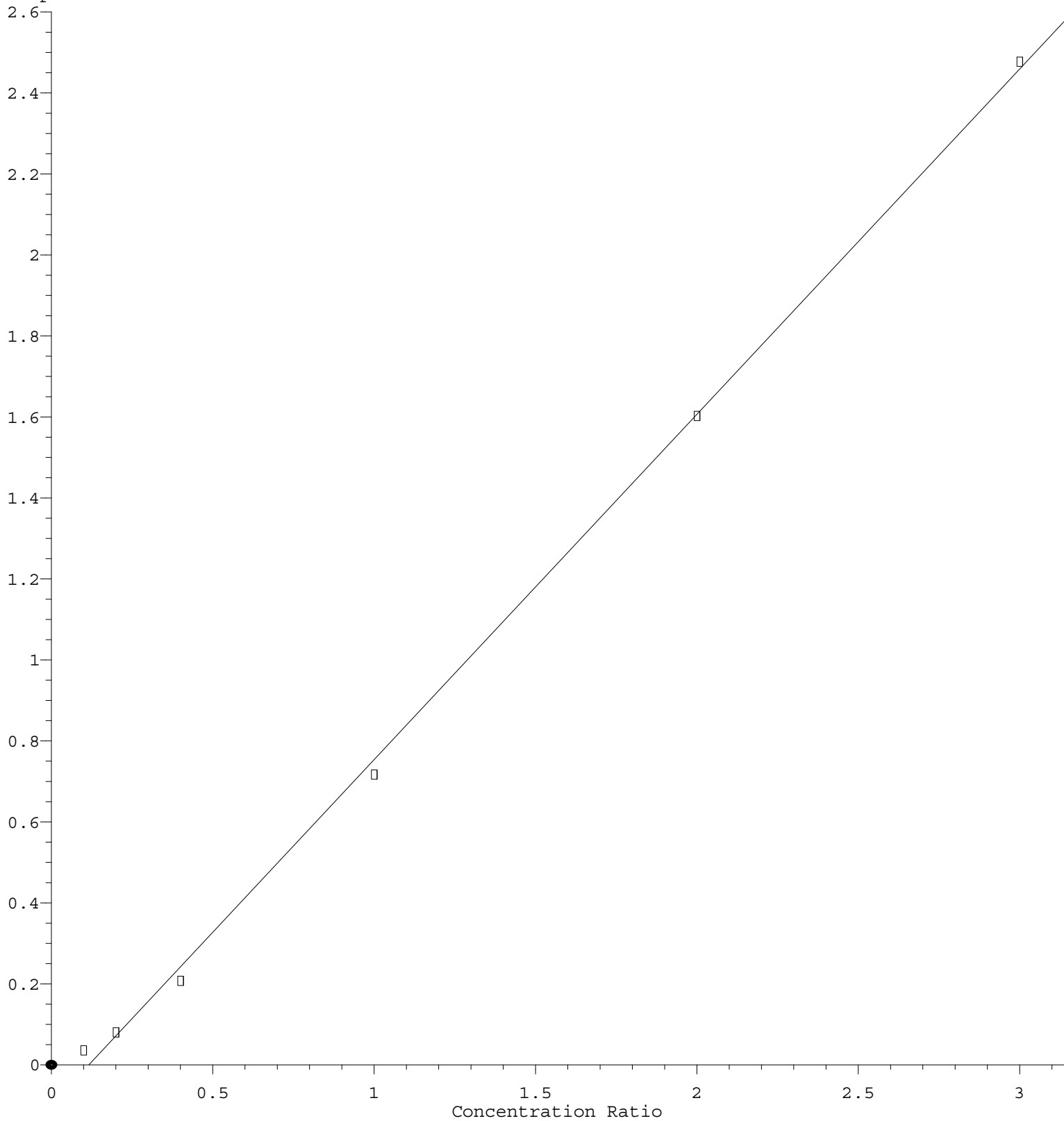
Response Ratio



$\text{Response} = 2.894\text{e-}002 * \text{Amt} + 6.746\text{e-}002$
 Coef of Det (r^2) = 0.996014 Curve Fit: Linear
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Methyl Iodide

Response Ratio



$$\text{Response} = 8.529\text{e-}001 * \text{Amt} - 9.917\text{e-}002$$

Coef of Det (r^2) = 0.998896 Curve Fit: Linear

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