

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D051324S.M
 Title : SW846 8260
 Last Update : Tue May 14 06:21:28 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD078905.D 10 =VD078906.D 20 =VD078907.D 50 =VD078908.D 100 =VD078909.D 150 =VD078910.

D

Compound		5	10	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.560	0.535	0.465	0.398	0.433	0.412	0.467	14.31
3) P	Chloromethane	0.943	0.795	0.724	0.585	0.630	0.596	0.712	19.51
4) C	Vinyl Chloride	1.377	1.142	1.052	0.894	1.019	0.979	1.077	15.60#
5) T	Bromomethane	1.331	1.119	1.059	0.809	0.957	0.971	1.041	16.99
6) T	Chloroethane	1.007	0.992	0.908	0.763	0.866	0.829	0.894	10.57
7) T	Trichlorofluor...	1.028	1.185	0.845	0.880	0.988	0.949	0.979	12.37
8) T	Diethyl Ether	0.251	0.322	0.228	0.197	0.240	0.237	0.246	16.95
9) T	1,1,2-Trichlor...	0.638	0.523	0.519	0.449	0.491	0.483	0.517	12.52
10) T	Methyl Iodide	0.631	0.565	0.610	0.572	0.671	0.657	0.618	7.04
11) T	Tert butyl alc...	0.030	0.021	0.021	0.018	0.022	0.021	0.022	17.81
12) CM	1,1-Dichloroet...	0.591	0.521	0.502	0.432	0.493	0.499	0.506	10.11#
13) T	Acrolein	0.044	0.056	0.044	0.048	0.042	0.046	0.047	10.30
14) T	Allyl chloride	0.549	0.476	0.477	0.441	0.526	0.494	0.494	7.86
15) T	Acrylonitrile	0.105	0.085	0.088	0.079	0.095	0.092	0.091	9.76
16) T	Acetone	0.083	0.068	0.063	0.076	0.081	0.077	0.075	10.51
17) T	Carbon Disulfide	2.136	1.708	1.670	1.335	1.493	1.429	1.628	17.58
18) T	Methyl Acetate	0.209	0.179	0.171	0.147	0.168	0.159	0.172	12.22
19) T	Methyl tert-bu...	1.017	0.939	0.926	0.912	1.076	1.047	0.986	7.03
20) T	Methylene Chlo...	1.390	0.868	0.699	0.558	0.574	0.546	0.773	42.23
21) T	trans-1,2-Dich...	0.649	0.576	0.551	0.495	0.563	0.551	0.564	8.87
22) T	Diisopropyl ether	1.216	1.063	1.087	1.060	1.169	1.108	1.117	5.61
23) T	Vinyl Acetate	0.694	0.610	0.648	0.628	0.728	0.711	0.670	7.12
24) P	1,1-Dichloroet...	1.056	0.940	0.858	0.778	0.856	0.825	0.886	11.18
25) T	2-Butanone	0.108	0.093	0.090	0.095	0.109	0.105	0.100	8.45
26) T	2,2-Dichloropr...	0.945	0.819	0.757	0.668	0.753	0.728	0.778	12.19
27) T	cis-1,2-Dichlo...	0.752	0.671	0.628	0.590	0.672	0.661	0.662	8.17
28) T	Bromochloromet...	0.283	0.308	0.300	0.277	0.307	0.297	0.295	4.43
29) T	Tetrahydrofuran	0.059	0.054	0.059	0.052	0.063	0.060	0.058	7.14
30) C	Chloroform	1.211	1.037	1.007	0.871	0.968	0.923	1.003	11.77#
31) T	Cyclohexane	0.830	0.754	0.682	0.581	0.649	0.615	0.685	13.52
32) T	1,1,1-Trichlor...	0.988	0.923	0.842	0.746	0.842	0.812	0.859	9.93
33) S	1,2-Dichloroet...	0.493	0.532	0.486	0.427	0.416	0.461	0.469	9.32
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.364	0.348	0.331	0.315	0.303	0.337	0.333	6.59
36) T	1,1-Dichloropr...	0.461	0.408	0.411	0.374	0.425	0.406	0.414	6.81
37) T	Ethyl Acetate	0.161	0.140	0.130	0.125	0.151	0.140	0.141	9.27
38) T	Carbon Tetrach...	0.548	0.488	0.468	0.434	0.497	0.474	0.485	7.76
39) T	Methylcyclohexane	0.496	0.480	0.494	0.462	0.547	0.541	0.503	6.72
40) TM	Benzene	1.472	1.327	1.313	1.216	1.386	1.324	1.340	6.36
41) T	Methacrylonitrile	0.089	0.073	0.067	0.064	0.078	0.086	0.076	13.01
42) TM	1,2-Dichloroet...	0.386	0.314	0.336	0.287	0.315	0.307	0.324	10.47
43) T	Isopropyl Acetate	0.262	0.219	0.235	0.239	0.282	0.265	0.250	9.24
44) TM	Trichloroethene	0.411	0.352	0.348	0.311	0.359	0.351	0.355	9.03
45) C	1,2-Dichloropr...	0.338	0.293	0.293	0.267	0.296	0.280	0.294	8.18#
46) T	Dibromomethane	0.228	0.190	0.193	0.169	0.194	0.188	0.194	9.88
47) T	Bromodichlorom...	0.535	0.457	0.454	0.421	0.478	0.456	0.466	8.15
48) T	Methyl methacr...	0.130	0.117	0.116	0.108	0.132	0.128	0.122	7.90
49) T	1,4-Dioxane	0.001	0.002	0.002	0.002	0.002	0.002	0.002	16.59
50) S	Toluene-d8	1.210	1.264	1.239	1.238	1.194	1.341	1.248	4.15
51) T	4-Methyl-2-Pen...	0.136	0.123	0.128	0.127	0.146	0.140	0.133	6.62
52) CM	Toluene	0.878	0.798	0.839	0.786	0.936	0.909	0.858	7.04#
53) T	t-1,3-Dichloro...	0.410	0.368	0.392	0.365	0.429	0.414	0.396	6.53
54) T	cis-1,3-Dichlo...	0.503	0.456	0.455	0.446	0.505	0.490	0.476	5.52
55) T	1,1,2-Trichlor...	0.273	0.251	0.254	0.225	0.257	0.243	0.250	6.32

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56)	T	Ethyl methacry...	0.246	0.207	0.242	0.255	0.301	0.294	0.258	13.71
57)	T	1,3-Dichloropr...	0.422	0.366	0.390	0.359	0.412	0.390	0.390	6.36
58)	T	2-Chloroethyl ...	0.119	0.090	0.097	0.114	0.122	0.121	0.111	12.54
59)	T	2-Hexanone	0.087	0.078	0.087	0.097	0.106	0.103	0.093	11.75
60)	T	Dibromochlorom...	0.370	0.329	0.328	0.316	0.356	0.349	0.341	6.02
61)	T	1,2-Dibromoethane	0.235	0.215	0.226	0.215	0.245	0.234	0.228	5.31
62)	S	4-Bromofluorob...	0.342	0.343	0.344	0.344	0.342	0.388	0.351	5.29

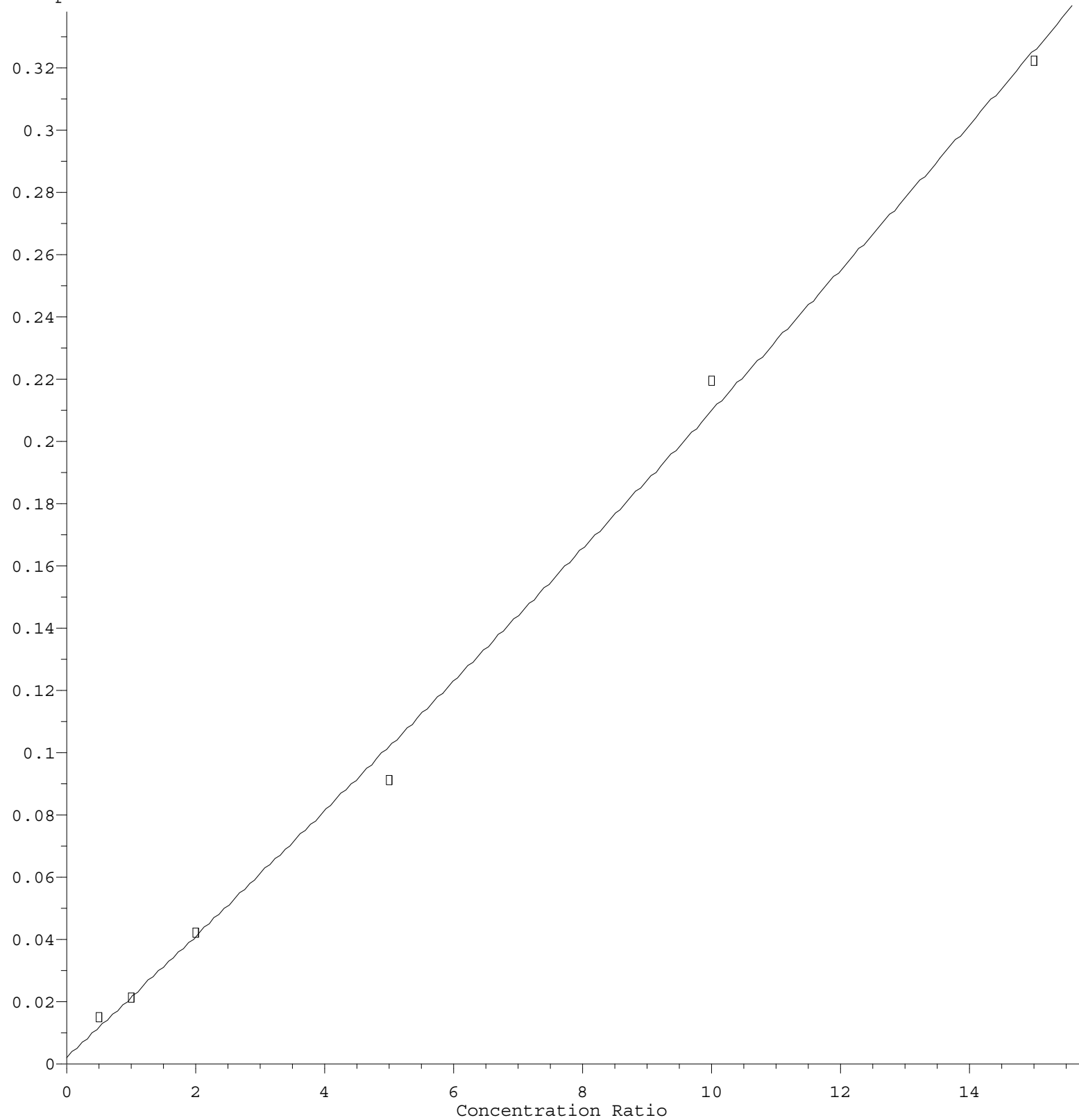
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.354	0.324	0.304	0.274	0.335	0.313	0.317	8.58
65)	PM	Chlorobenzene	1.150	1.021	1.010	0.918	1.084	1.056	1.040	7.50
66)	T	1,1,1,2-Tetrac...	0.397	0.335	0.352	0.312	0.385	0.376	0.360	9.02
67)	C	Ethyl Benzene	1.631	1.528	1.616	1.514	1.902	1.846	1.673	9.78#
68)	T	m/p-Xylenes	0.637	0.607	0.666	0.632	0.775	0.764	0.680	10.55
69)	T	o-Xylene	0.570	0.557	0.576	0.590	0.709	0.719	0.620	11.89
70)	T	Styrene	1.035	0.938	1.057	1.039	1.278	1.247	1.099	12.18
71)	P	Bromoform	0.232	0.207	0.196	0.179	0.214	0.207	0.206	8.57

72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.958	2.724	2.887	2.710	3.356	3.271	2.984	9.15
74)	T	N-amyl acetate	0.516	0.450	0.462	0.444	0.529	0.505	0.484	7.53
75)	P	1,1,2,2-Tetrac...	0.632	0.533	0.540	0.469	0.547	0.509	0.538	10.04
76)	T	1,2,3-Trichlor...	0.422	0.320	0.337	0.370	0.340	0.323	0.352	10.97
77)	T	Bromobenzene	0.886	0.733	0.761	0.684	0.830	0.814	0.785	9.30
78)	T	n-propylbenzene	3.556	3.385	3.628	3.293	3.975	3.805	3.607	7.07
79)	T	2-Chlorotoluene	2.147	1.928	1.952	1.789	2.156	2.057	2.005	7.10
80)	T	1,3,5-Trimethy...	2.262	2.314	2.481	2.278	2.824	2.717	2.479	9.71
81)	T	trans-1,4-Dich...	0.202	0.158	0.175	0.160	0.193	0.178	0.178	9.86
82)	T	4-Chlorotoluene	2.142	2.032	2.115	1.913	2.268	2.150	2.103	5.71
83)	T	tert-Butylbenzene	2.101	1.996	2.088	2.036	2.549	2.386	2.193	10.13
84)	T	1,2,4-Trimethy...	2.445	2.301	2.559	2.325	2.915	2.865	2.568	10.37
85)	T	sec-Butylbenzene	3.177	3.054	3.180	2.977	3.684	3.553	3.271	8.65
86)	T	p-Isopropyltol...	2.610	2.516	2.783	2.568	3.305	3.316	2.850	12.91
87)	T	1,3-Dichlorobe...	1.890	1.564	1.570	1.444	1.762	1.734	1.661	9.81
88)	T	1,4-Dichlorobe...	1.871	1.593	1.590	1.422	1.670	1.611	1.626	8.97
89)	T	n-Butylbenzene	2.629	2.357	2.445	2.284	2.856	2.751	2.554	8.92
90)	T	Hexachloroethane	0.707	0.614	0.581	0.516	0.610	0.579	0.601	10.38
91)	T	1,2-Dichlorobe...	1.545	1.345	1.319	1.242	1.448	1.439	1.389	7.81
92)	T	1,2-Dibromo-3-...	0.080	0.071	0.064	0.067	0.076	0.072	0.072	8.09
93)	T	1,2,4-Trichlor...	0.866	0.736	0.780	0.722	0.895	0.896	0.816	9.75
94)	T	Hexachlorobuta...	0.464	0.434	0.405	0.356	0.457	0.443	0.426	9.45
95)	T	Naphthalene	1.464	1.184	1.312	1.276	1.712		1.390	14.85
96)	T	1,2,3-Trichlor...	0.796	0.659	0.682	0.619	0.809	0.790	0.726	11.34

(#) = Out of Range

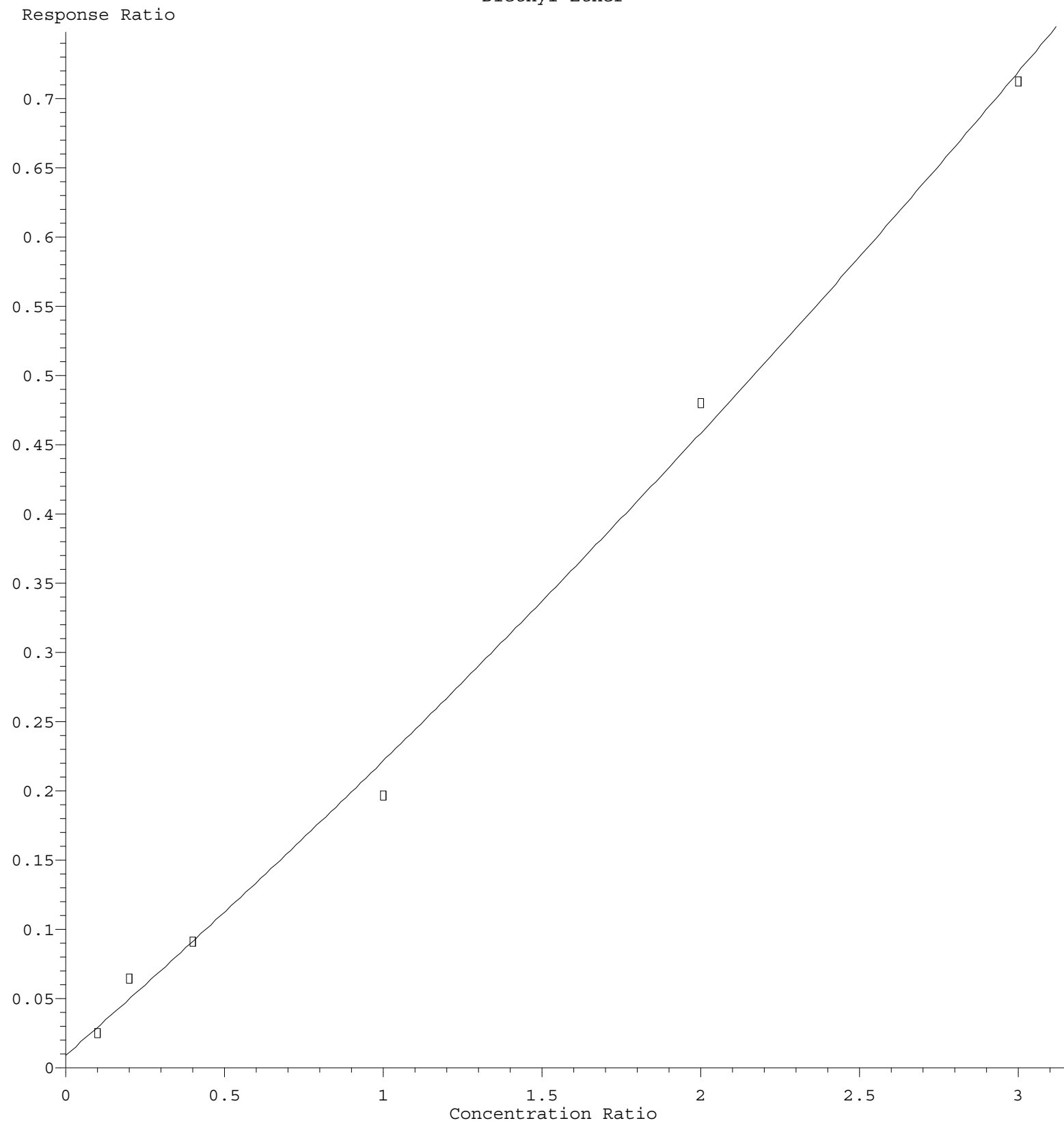
Tert butyl alcohol

Response Ratio



$R = 1.594e-004 A^2 + 1.916e-002 A + 2.149e-003$
 Coef of Det (r^2) = 0.997034 Curve Fit: Quadratic
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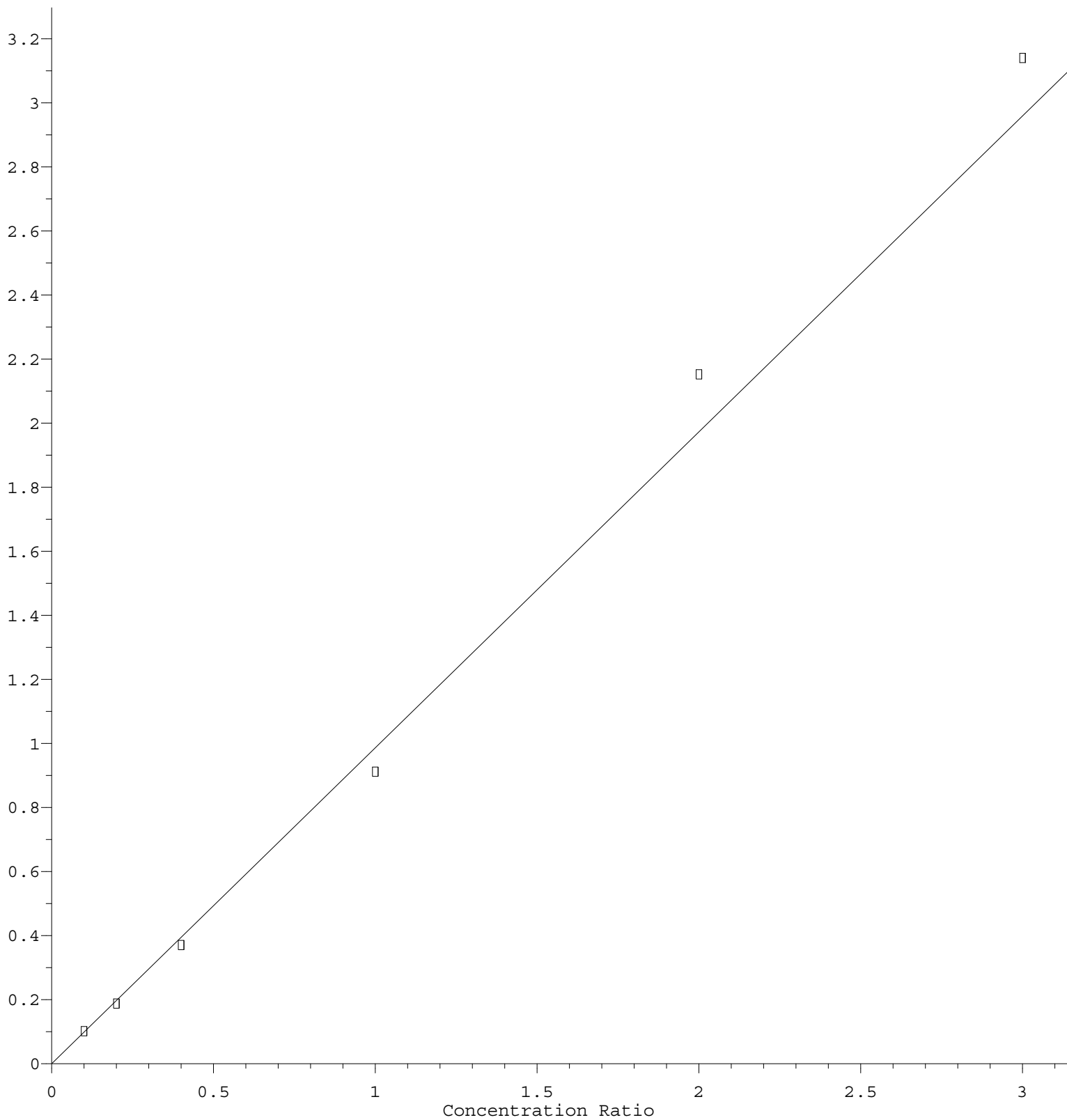
Diethyl Ether



$R = 1.206e-002 A^2 + 2.005e-001 A + 9.120e-003$
 Coef of Det (r^2) = 0.996367 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D051324S.M
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Methyl tert-butyl Ether

Response Ratio



$$\text{Response} = 9.862\text{e-}001 * \text{Amt}$$

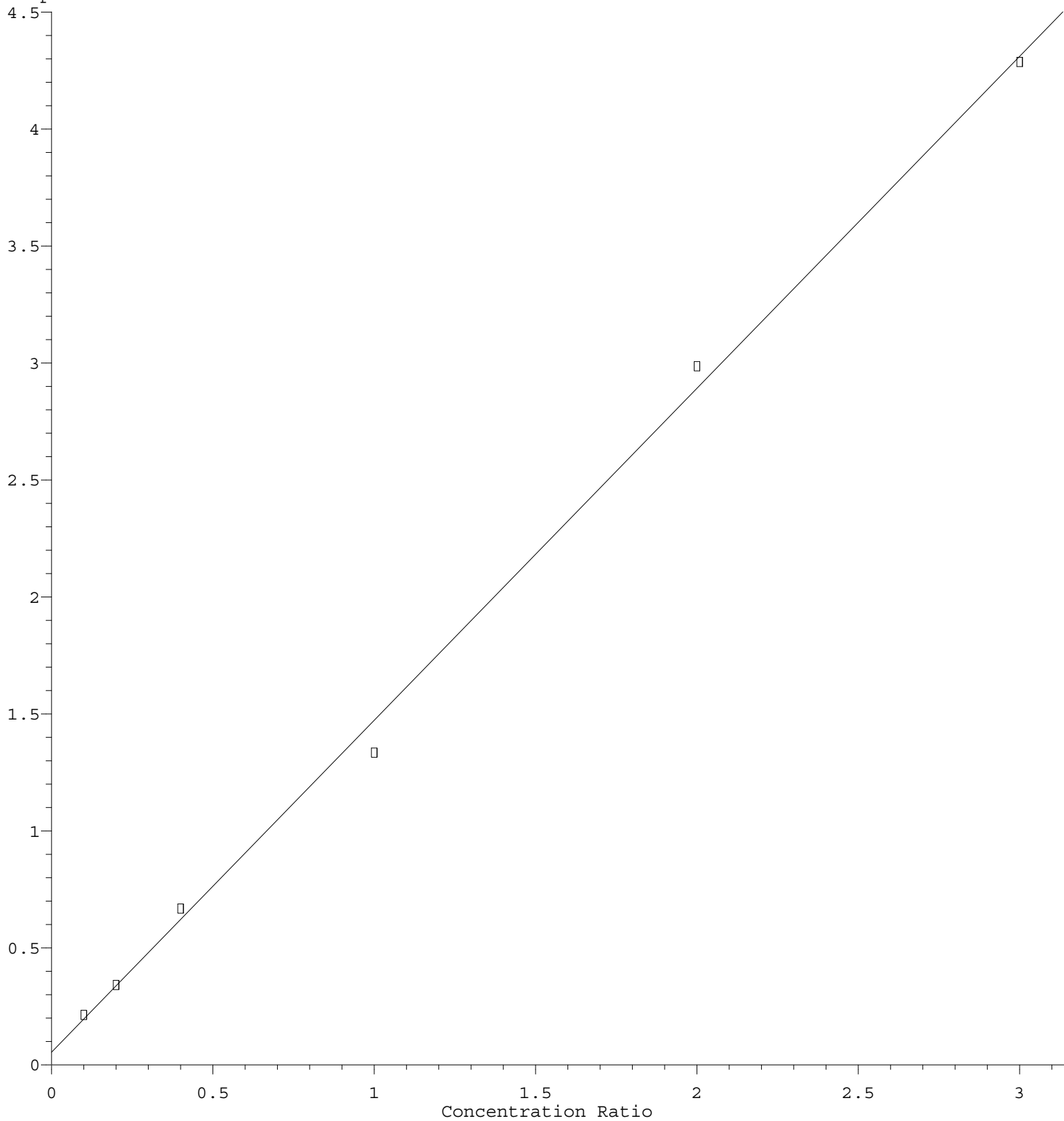
RF Rel Std Dev = 7.029% Curve Fit: Avg RF

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D051324S.M

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Carbon Disulfide

Response Ratio



$$\text{Response} = 1.419\text{e}+000 * \text{Amt} + 5.411\text{e}-002$$

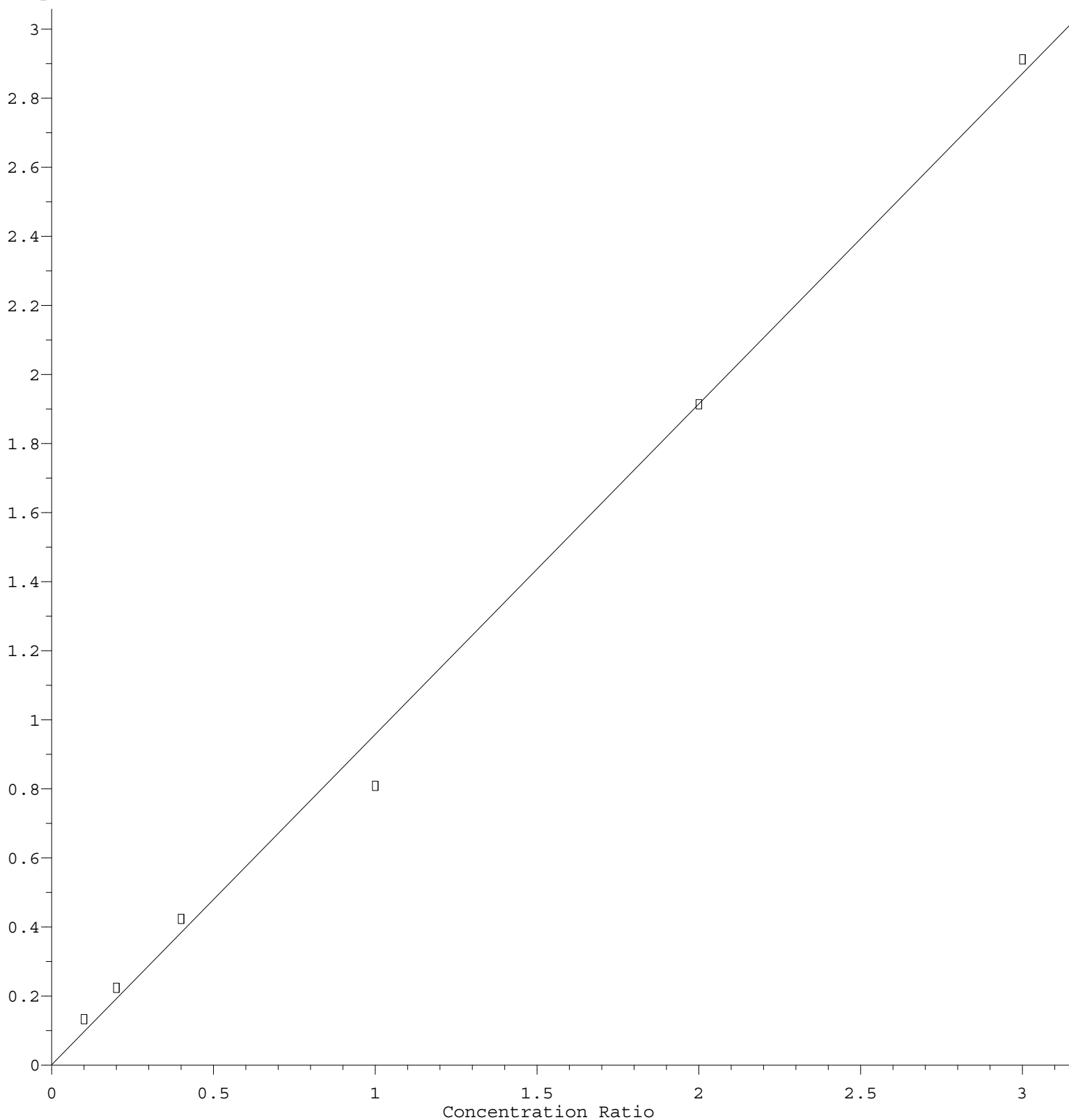
Coef of Det (r^2) = 0.997710 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D051324S.M

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Bromomethane

Response Ratio



$$\text{Response} = 9.568\text{e-}001 * \text{Amt} + 8.635\text{e-}004$$

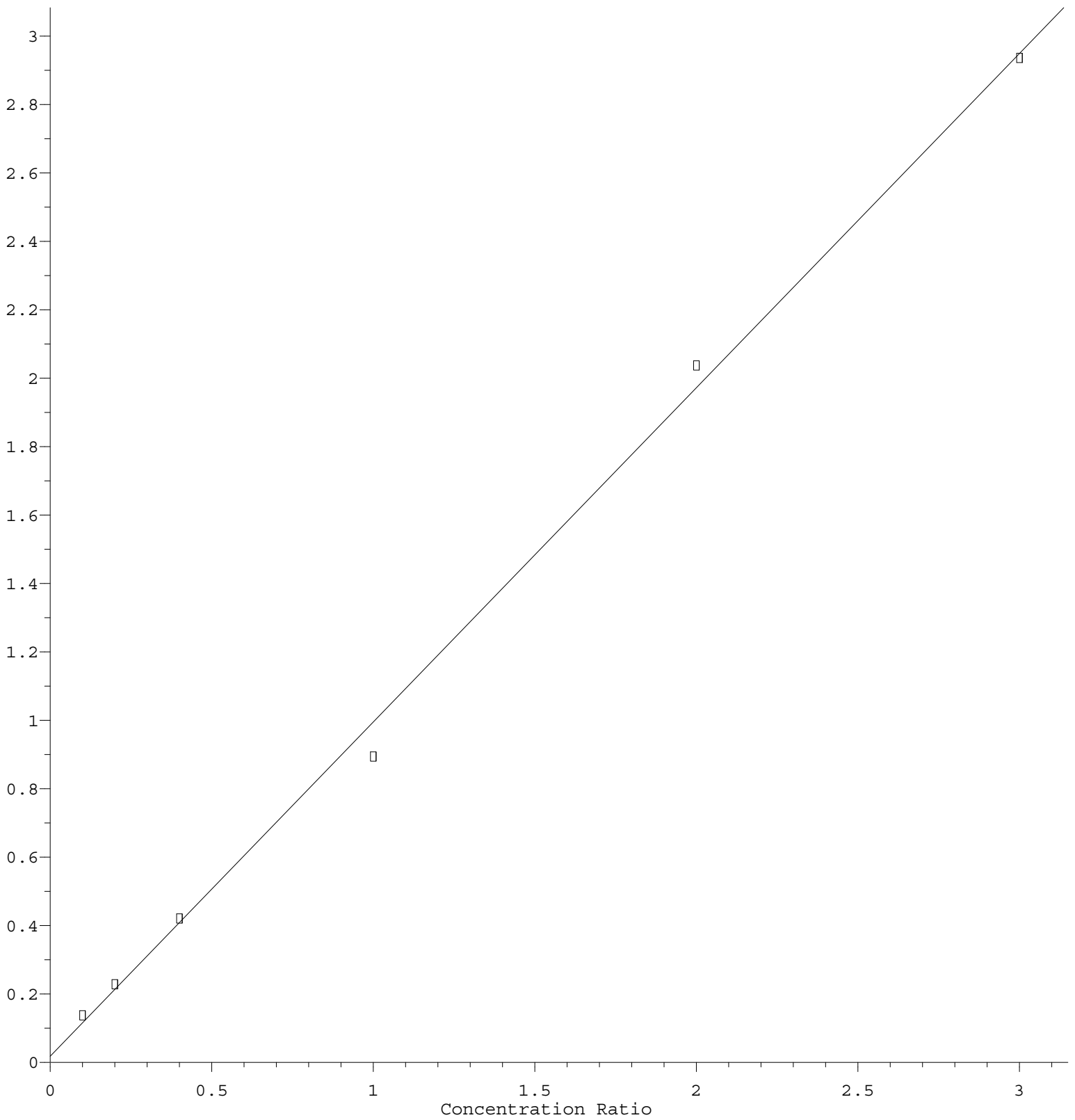
Coef of Det (r^2) = 0.995507 Curve Fit: Linear

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Vinyl Chloride

Response Ratio



$$\text{Response} = 9.771\text{e-}001 * \text{Amt} + 1.795\text{e-}002$$

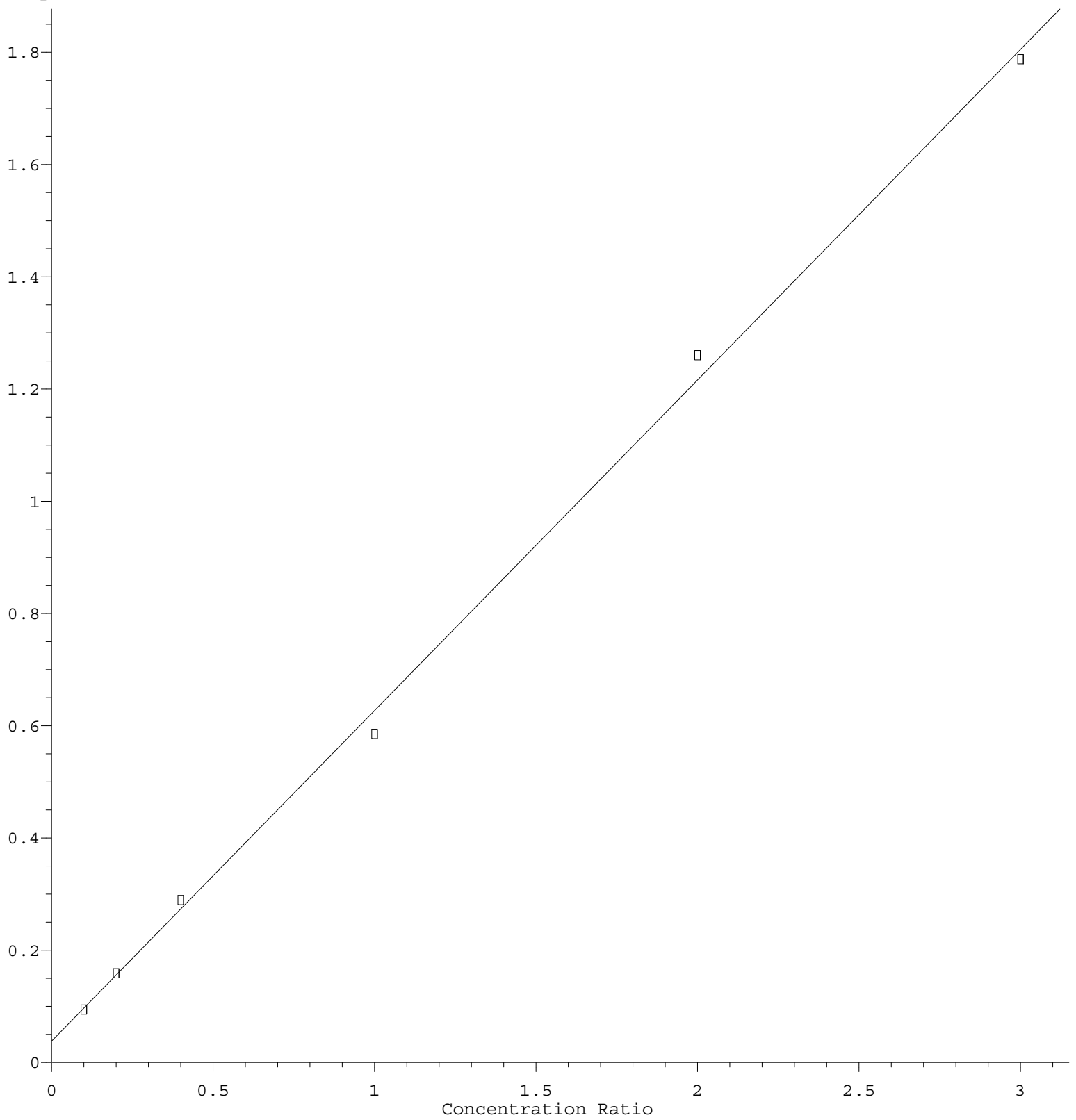
Coef of Det (r^2) = 0.997605 Curve Fit: Linear

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Chloromethane

Response Ratio



$$\text{Response} = 5.889\text{e-}001 * \text{Amt} + 3.836\text{e-}002$$

Coef of Det (r^2) = 0.998182 Curve Fit: Linear

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