

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X081424W.M
 Title : SW846 8260
 Last Update : Thu Aug 15 04:22:11 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX043022.D 5 =VX043023.D 20 =VX043024.D 50 =VX043025.D 100 =VX043026.D 150 =VX043027.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.477	0.490	0.526	0.509	0.520	0.511	0.506	3.65
3) P	Chloromethane	0.684	0.760	0.804	0.747	0.754	0.740	0.748	5.19
4) C	Vinyl Chloride	0.702	0.739	0.811	0.749	0.761	0.748	0.752	4.69#
5) T	Bromomethane	0.225	0.235	0.219	0.225	0.235	0.228		3.08
6) T	Chloroethane	0.233	0.248	0.276	0.231	0.223	0.210	0.237	9.57
7) T	Trichlorofluor...	0.810	0.811	0.932	0.718	0.732	0.712	0.786	10.74
8) T	Diethyl Ether	0.390	0.375	0.386	0.346	0.348	0.337	0.364	6.30
9) T	1,1,2-Trichlor...	0.509	0.584	0.605	0.545	0.568	0.562	0.562	5.88
10) T	Methyl Iodide	0.432	0.632	0.641	0.662	0.662	0.634	0.600	15.80
11) T	Tert butyl alc...	0.153	0.173	0.168	0.177	0.176	0.170		5.66
12) CM	1,1-Dichloroet...	0.565	0.604	0.662	0.589	0.603	0.594	0.603	5.36#
13) T	Acrolein	0.189	0.150	0.167	0.176	0.174	0.171		8.29
14) T	Allyl chloride	1.148	1.246	1.253	1.072	1.052	1.010	1.130	9.09
15) T	Acrylonitrile	0.382	0.421	0.459	0.412	0.427	0.419	0.420	5.92
16) T	Acetone	0.339	0.318	0.336	0.318	0.327	0.318	0.326	2.88
17) T	Carbon Disulfide	1.658	1.754	1.853	1.690	1.716	1.706	1.730	3.95
18) T	Methyl Acetate	1.068	1.125	1.147	1.050	1.051	1.019	1.077	4.58
19) T	Methyl tert-bu...	1.864	2.035	2.184	2.008	2.077	2.027	2.033	5.11
20) T	Methylene Chlo...	0.916	0.794	0.782	0.676	0.684	0.669	0.754	12.85
21) T	trans-1,2-Dich...	0.602	0.622	0.676	0.612	0.631	0.631	0.629	4.11
22) T	Diisopropyl ether	2.045	2.262	2.481	2.300	2.399	2.362	2.308	6.50
23) T	Vinyl Acetate	2.244	2.682	2.979	2.727	2.804	2.709	2.691	9.07
24) P	1,1-Dichloroet...	1.059	1.198	1.269	1.149	1.179	1.131	1.164	6.03
25) T	2-Butanone	0.519	0.564	0.621	0.566	0.584	0.574	0.571	5.78
26) T	2,2-Dichloropr...	0.908	0.916	1.009	0.888	0.932	0.912	0.927	4.58
27) T	cis-1,2-Dichlo...	0.737	0.746	0.821	0.742	0.759	0.750	0.759	4.10
28) T	Bromochloromet...	0.559	0.598	0.545	0.486	0.479	0.494	0.527	9.06
29) T	Tetrahydrofuran	0.374	0.383	0.423	0.389	0.407	0.401	0.396	4.50
30) C	Chloroform	1.076	1.107	1.197	1.091	1.121	1.118	1.118	3.76#
31) T	Cyclohexane	1.088	1.167	1.048	1.092	1.079	1.095		4.00
32) T	1,1,1-Trichlor...	0.837	0.938	1.011	0.921	0.955	0.939	0.934	6.04
33) S	1,2-Dichloroet...	0.698	0.668	0.604	0.650	0.666	0.657		5.24
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.323	0.308	0.285	0.309	0.322	0.309		4.93
36) T	1,1-Dichloropr...	0.404	0.410	0.453	0.419	0.440	0.452	0.430	4.97
37) T	Ethyl Acetate	0.478	0.578	0.663	0.625	0.642	0.646	0.605	11.41
38) T	Carbon Tetrach...	0.391	0.433	0.468	0.425	0.443	0.447	0.435	5.96
39) T	Methylcyclohexane	0.561	0.566	0.642	0.582	0.608	0.610	0.595	5.17
40) TM	Benzene	1.340	1.457	1.588	1.434	1.477	1.488	1.464	5.49
41) T	Methacrylonitrile	0.236	0.309	0.349	0.328	0.347	0.347	0.319	13.70
42) TM	1,2-Dichloroet...	0.381	0.412	0.465	0.425	0.435	0.438	0.426	6.63
43) T	Isopropyl Acetate	0.861	0.964	1.053	0.970	1.001	1.011	0.977	6.67
44) TM	Trichloroethene	0.300	0.318	0.360	0.332	0.337	0.342	0.332	6.25
45) C	1,2-Dichloropr...	0.306	0.359	0.396	0.361	0.370	0.371	0.360	8.22#
46) T	Dibromomethane	0.234	0.246	0.265	0.239	0.246	0.248	0.246	4.21
47) T	Bromodichlorom...	0.442	0.457	0.521	0.469	0.487	0.493	0.478	5.89
48) T	Methyl methacr...	0.298	0.440	0.491	0.446	0.469	0.469	0.436	16.01
49) T	1,4-Dioxane	0.007	0.010	0.010	0.010	0.010	0.010	0.010	11.62
50) S	Toluene-d8	1.194	1.183	1.119	1.212	1.263	1.194		4.34
51) T	4-Methyl-2-Pen...	0.503	0.620	0.684	0.628	0.649	0.641	0.621	9.94
52) CM	Toluene	0.795	0.850	0.961	0.881	0.909	0.910	0.884	6.46#
53) T	t-1,3-Dichloro...	0.461	0.487	0.559	0.520	0.548	0.559	0.522	7.83
54) T	cis-1,3-Dichlo...	0.507	0.559	0.616	0.572	0.591	0.601	0.574	6.75
55) T	1,1,2-Trichlor...	0.308	0.346	0.372	0.345	0.355	0.359	0.347	6.24
56) T	Ethyl methacry...	0.521	0.593	0.691	0.633	0.665	0.671	0.629	10.04

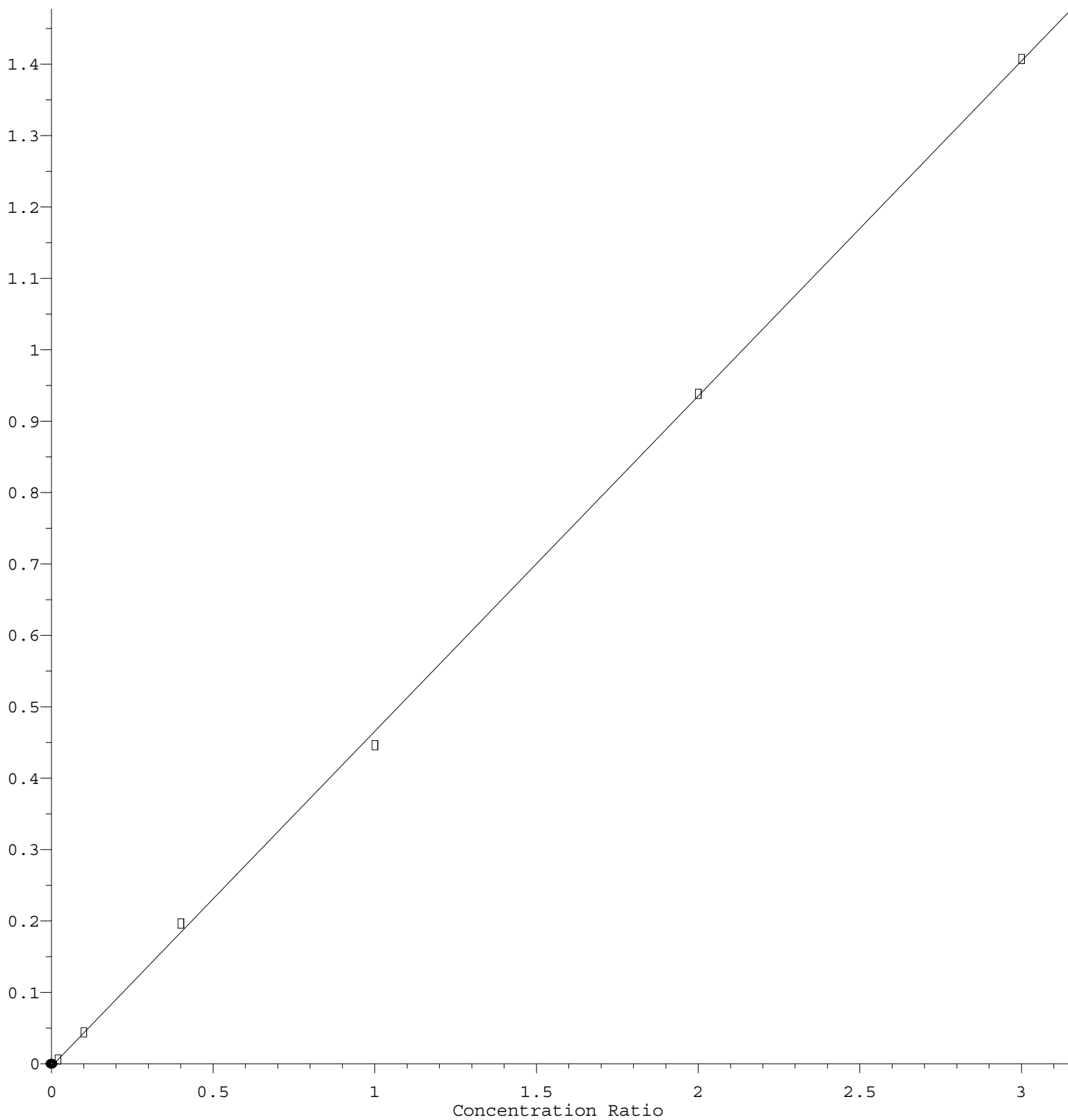
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57)	T	1,3-Dichloropr...	0.515	0.589	0.642	0.587	0.599	0.601	0.589	7.01
58)	T	2-Chloroethyl ...	0.269	0.301	0.306	0.292	0.302	0.302	0.295	4.65
59)	T	2-Hexanone	0.373	0.463	0.524	0.487	0.509	0.505	0.477	11.51
60)	T	Dibromochlorom...	0.309	0.346	0.398	0.369	0.386	0.391	0.366	9.22
61)	T	1,2-Dibromoethane	0.284	0.349	0.385	0.356	0.366	0.362	0.350	9.93
62)	S	4-Bromofluorob...	0.414	0.414	0.404	0.452	0.481	0.433		7.51
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.311	0.326	0.349	0.315	0.322	0.313	0.323	4.43
65)	PM	Chlorobenzene	0.953	1.074	1.190	1.064	1.106	1.085	1.079	7.08
66)	T	1,1,1,2-Tetrac...	0.336	0.363	0.398	0.354	0.367	0.363	0.363	5.62
67)	C	Ethyl Benzene	1.671	1.858	2.060	1.846	1.920	1.892	1.875	6.72#
68)	T	m/p-Xylenes	0.616	0.730	0.801	0.721	0.737	0.720	0.721	8.27
69)	T	o-Xylene	0.620	0.719	0.814	0.724	0.744	0.724	0.724	8.61
70)	T	Styrene	0.983	1.168	1.355	1.229	1.289	1.260	1.214	10.62
71)	P	Bromoform	0.242	0.291	0.327	0.302	0.324	0.325	0.302	10.94
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.507	3.929	4.255	3.738	3.743	3.713	3.814	6.66
74)	T	N-amyl acetate	1.875	2.172	2.352	2.118	2.259	2.258	2.172	7.66
75)	P	1,1,2,2-Tetrac...	1.561	1.513	1.553	1.361	1.422	1.398	1.468	5.82
76)	T	1,2,3-Trichlor...	1.037	1.116	1.403	1.079	1.125	1.116	1.146	11.37
77)	T	Bromobenzene	0.906	0.949	0.999	0.879	0.893	0.872	0.916	5.29
78)	T	n-propylbenzene	3.759	4.378	4.816	4.328	4.447	4.352	4.347	7.81
79)	T	2-Chlorotoluene	2.665	2.713	2.931	2.619	2.679	2.626	2.705	4.28
80)	T	1,3,5-Trimethy...	2.964	3.173	3.487	3.081	3.106	3.042	3.142	5.81
81)	T	trans-1,4-Dich...	0.487	0.533	0.497	0.549	0.561	0.525		6.14
82)	T	4-Chlorotoluene	2.717	3.025	3.271	2.982	3.070	3.022	3.015	5.91
83)	T	tert-Butylbenzene	3.154	3.373	3.543	3.102	3.196	3.144	3.252	5.26
84)	T	1,2,4-Trimethy...	2.928	3.206	3.497	3.118	3.177	3.093	3.170	5.91
85)	T	sec-Butylbenzene	3.439	3.901	4.402	3.938	4.043	3.962	3.947	7.82
86)	T	p-Isopropyltol...	2.782	3.181	3.549	3.250	3.301	3.287	3.225	7.77
87)	T	1,3-Dichlorobe...	1.465	1.674	1.786	1.623	1.669	1.667	1.648	6.35
88)	T	1,4-Dichlorobe...	1.620	1.659	1.816	1.649	1.696	1.674	1.686	4.07
89)	T	n-Butylbenzene	2.272	2.558	2.947	2.862	3.049	3.063	2.792	11.25
90)	T	Hexachloroethane	0.564	0.668	0.692	0.632	0.663	0.667	0.648	6.98
91)	T	1,2-Dichlorobe...	1.494	1.731	1.841	1.643	1.645	1.613	1.661	7.02
92)	T	1,2-Dibromo-3-...	0.253	0.266	0.317	0.285	0.295	0.306	0.287	8.43
93)	T	1,2,4-Trichlor...	0.750	0.895	0.979	0.944	1.013	1.030	0.935	11.02
94)	T	Hexachlorobuta...	0.294	0.340	0.384	0.349	0.363	0.364	0.349	8.77
95)	T	Naphthalene	3.279	3.526	4.004	3.666	3.836	3.845	3.693	7.07
96)	T	1,2,3-Trichlor...	0.748	0.961	1.044	0.964	0.992	1.028	0.956	11.24

(#) = Out of Range

Methyl methacrylate

Response Ratio



$$\text{Response} = 4.695\text{e-}001 * \text{Amt} - 3.822\text{e-}003$$

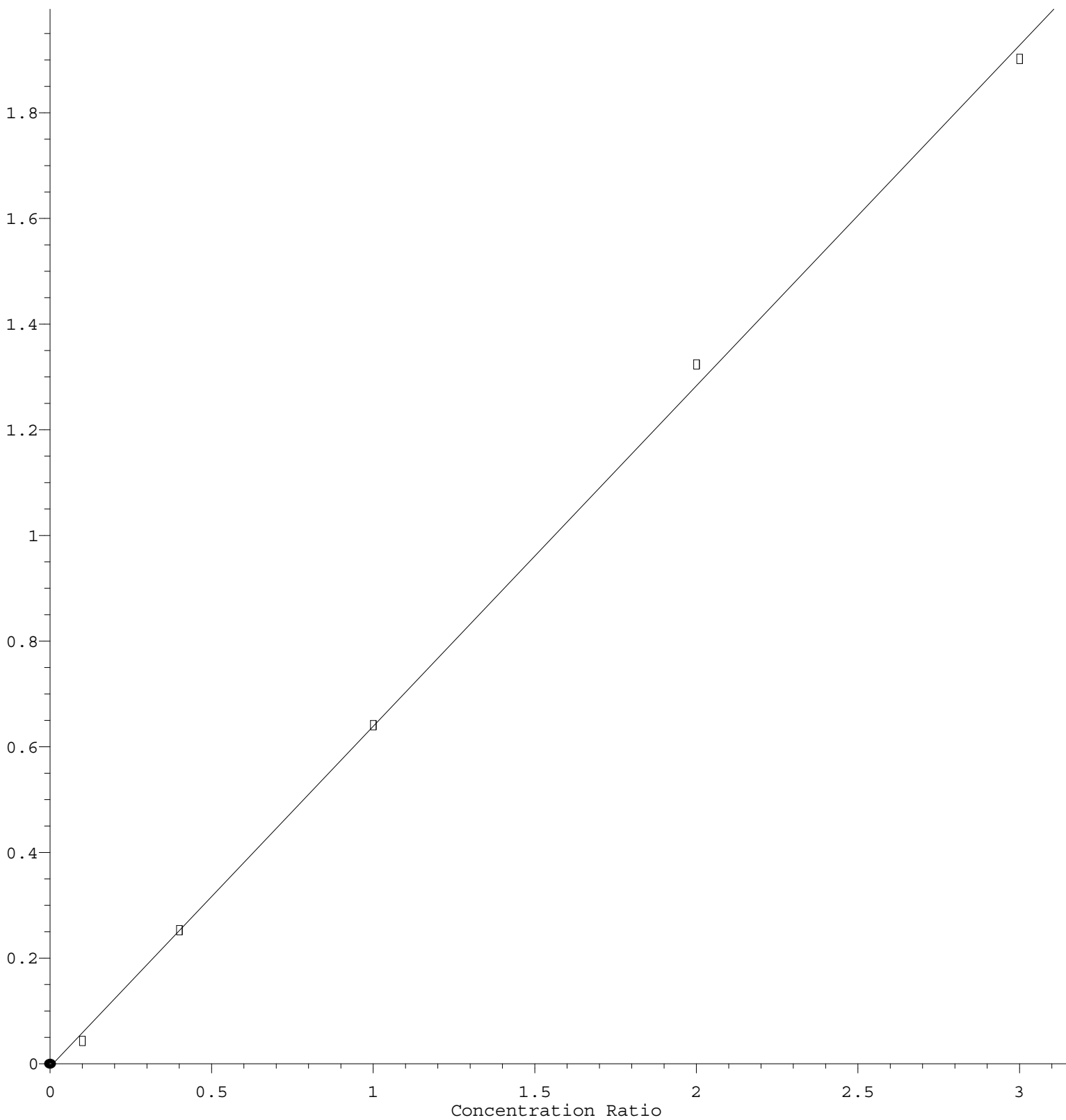
Coef of Det (r^2) = 0.999646 Curve Fit: Linear

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Methyl Iodide

Response Ratio



$$\text{Response} = 6.448\text{e-}001 * \text{Amt} - 5.809\text{e-}003$$

Coef of Det (r^2) = 0.998934 Curve Fit: Linear

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