

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N071625W.M
 Title : SW846 8260
 Last Update : Thu Jul 17 02:56:13 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN087328.D 5 =VN087329.D 20 =VN087330.D 50 =VN087331.D 100 =VN087332.D 150 =VN087333.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.447	0.443	0.443	0.623	0.606	0.625	0.531	17.98
3) P	Chloromethane	0.714	0.659	0.588	0.690	0.659	0.698	0.668	6.70
4) C	Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.93#
5) T	Bromomethane		0.328	0.308	0.355	0.356	0.370	0.344	7.22
6) T	Chloroethane	0.396	0.485	0.431	0.441	0.415	0.429	0.433	6.96
7) T	Trichlorofluor...	0.959	0.975	0.963	1.025	0.960	1.007	0.981	2.83
8) T	Diethyl Ether	0.335	0.391	0.399	0.395	0.371	0.393	0.381	6.40
9) T	1,1,2-Trichlor...	0.463	0.495	0.539	0.525	0.491	0.509	0.504	5.34
10) T	Methyl Iodide		0.288	0.360	0.494	0.554	0.564	0.452	27.17
11) T	Tert butyl alc...		0.164	0.155	0.161	0.161	0.164	0.161	2.41
12) CM	1,1-Dichloroet...	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.41#
13) T	Acrolein		0.140	0.112	0.121	0.130	0.143	0.129	9.85
14) T	Allyl chloride	0.949	0.978	1.134	1.002	0.995	1.141	1.033	8.02
15) T	Acrylonitrile	0.419	0.419	0.455	0.453	0.436	0.440	0.437	3.57
16) T	Acetone	0.455	0.426	0.393	0.387	0.361	0.366	0.398	9.15
17) T	Carbon Disulfide	1.686	1.685	1.669	1.733	1.643	1.739	1.693	2.20
18) T	Methyl Acetate	1.007	1.052	0.991	0.991	0.962	0.993	0.999	2.99
19) T	Methyl tert-bu...	1.911	2.099	2.106	2.167	2.129	2.213	2.104	4.93
20) T	Methylene Chlo...	1.107	0.788	0.700	0.672	0.655	0.672	0.766	22.70
21) T	trans-1,2-Dich...	0.667	0.669	0.643	0.653	0.618	0.613	0.644	3.69
22) T	Diisopropyl ether	1.797	2.199	2.353	2.286	2.165	2.201	2.167	8.94
23) T	Vinyl Acetate	1.421	1.685	2.101	2.114	2.007	2.044	1.895	14.81
24) P	1,1-Dichloroet...	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.38
25) T	2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.65
26) T	2,2-Dichloropr...	1.013	0.963	1.001	0.982	0.933	0.941	0.972	3.34
27) T	cis-1,2-Dichlo...	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.83
28) T	Bromochloromet...	0.596	0.640	0.578	0.595	0.597	0.584	0.598	3.64
29) T	Tetrahydrofuran	0.360	0.397	0.413	0.425	0.400	0.401	0.399	5.52
30) C	Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	3.97#
31) T	Cyclohexane		1.148	1.039	1.046	0.981	1.002	1.043	6.16
32) T	1,1,1-Trichlor...	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.42
33) S	1,2-Dichloroet...		0.939	0.820	0.802	0.818	0.863	0.848	6.56
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.347	0.341	0.332	0.348	0.356	0.345	2.55
36) T	1,1-Dichloropr...	0.387	0.437	0.459	0.487	0.477	0.487	0.456	8.47
37) T	Ethyl Acetate	0.587	0.671	0.655	0.706	0.660	0.669	0.658	5.94
38) T	Carbon Tetrach...	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.10
39) T	Methylcyclohexane	0.447	0.442	0.482	0.529	0.519	0.541	0.493	8.62
40) TM	Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.34
41) T	Methacrylonitrile	0.289	0.330	0.362	0.368	0.353	0.363	0.344	8.81
42) TM	1,2-Dichloroet...	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.78
43) T	Isopropyl Acetate	0.938	0.999	1.029	1.071	1.038	1.055	1.022	4.64
44) TM	Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.49
45) C	1,2-Dichloropr...	0.335	0.367	0.395	0.395	0.376	0.378	0.374	5.90#
46) T	Dibromomethane	0.265	0.296	0.279	0.289	0.274	0.278	0.280	3.94
47) T	Bromodichlorom...	0.568	0.572	0.559	0.569	0.553	0.565	0.564	1.21
48) T	Methyl methacr...	0.372	0.412	0.475	0.505	0.493	0.503	0.460	12.06
49) T	1,4-Dioxane	0.006	0.007	0.007	0.008	0.008	0.008	0.007	12.52
50) S	Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.72
51) T	4-Methyl-2-Pen...	0.551	0.641	0.685	0.689	0.658	0.652	0.646	7.79
52) CM	Toluene	0.774	0.849	0.940	0.963	0.916	0.929	0.895	7.93#
53) T	t-1,3-Dichloro...	0.459	0.536	0.586	0.621	0.607	0.619	0.571	11.08
54) T	cis-1,3-Dichlo...	0.489	0.564	0.602	0.632	0.620	0.632	0.590	9.40
55) T	1,1,2-Trichlor...	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.57
56) T	Ethyl methacry...	0.348	0.486	0.567	0.627	0.626	0.656	0.552	21.20

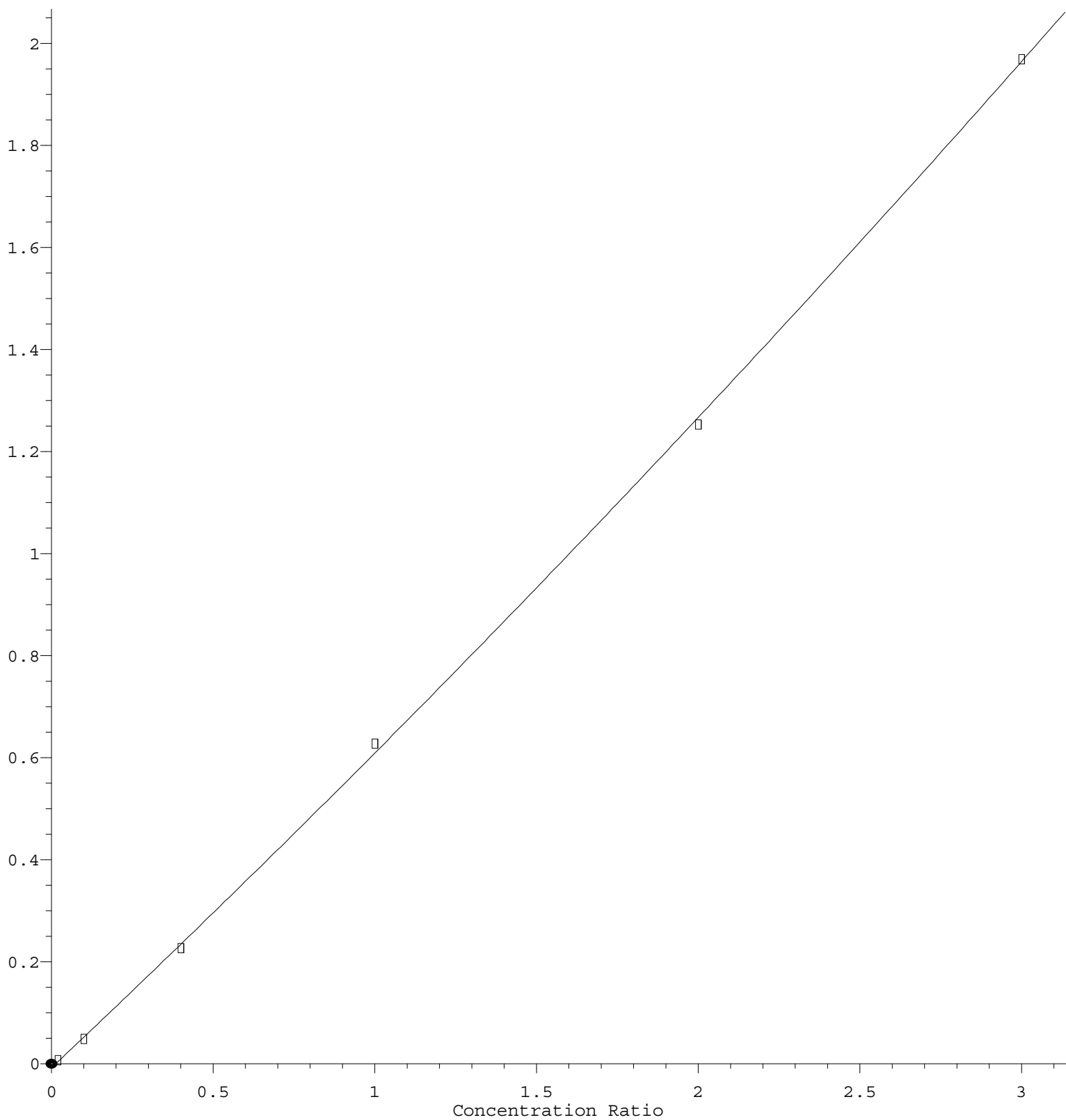
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57)	T	1,3-Dichloropr...	0.556	0.621	0.652	0.655	0.636	0.640	0.627	5.82
58)	T	2-Chloroethyl ...	0.220	0.273	0.303	0.346	0.310	0.332	0.297	15.20
59)	T	2-Hexanone	0.279	0.373	0.465	0.495	0.481	0.479	0.429	19.95
60)	T	Dibromochlorom...	0.352	0.416	0.425	0.430	0.424	0.433	0.413	7.39
61)	T	1,2-Dibromoethane	0.367	0.373	0.391	0.385	0.381	0.389	0.381	2.49
62)	S	4-Bromofluorob...	0.405	0.433	0.455	0.476	0.505	0.455		8.46
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.16
65)	PM	Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.48
66)	T	1,1,1,2-Tetrac...	0.324	0.406	0.393	0.393	0.381	0.394	0.382	7.64
67)	C	Ethyl Benzene	1.643	1.738	1.882	1.942	1.905	1.979	1.848	7.04#
68)	T	m/p-Xylenes	0.541	0.646	0.717	0.758	0.734	0.756	0.692	12.20
69)	T	o-Xylene	0.491	0.606	0.702	0.723	0.710	0.734	0.661	14.39
70)	T	Styrene	0.726	1.032	1.186	1.255	1.217	1.257	1.112	18.59
71)	P	Bromoform	0.246	0.302	0.314	0.328	0.322	0.337	0.308	10.69
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.524	2.889	3.242	3.396	3.302	3.529	3.147	11.86
74)	T	N-amyl acetate	1.309	1.256	1.249	1.138	1.378	1.515	1.307	9.83
75)	P	1,1,2,2-Tetrac...	1.159	1.181	1.228	1.207	1.156	1.174	1.184	2.37
76)	T	1,2,3-Trichlor...	1.208	1.238	1.101	1.191	0.969	1.019	1.121	9.79
77)	T	Bromobenzene	0.669	0.791	0.862	0.869	0.830	0.876	0.816	9.63
78)	T	n-propylbenzene	3.252	3.716	4.089	4.294	4.109	4.295	3.959	10.25
79)	T	2-Chlorotoluene	2.085	2.348	2.535	2.533	2.493	2.605	2.433	7.84
80)	T	1,3,5-Trimethy...	2.069	2.517	2.816	2.928	2.799	2.959	2.681	12.62
81)	T	trans-1,4-Dich...	0.327	0.448	0.404	0.417	0.453	0.410		12.30
82)	T	4-Chlorotoluene	2.225	2.460	2.618	2.647	2.552	2.699	2.533	6.79
83)	T	tert-Butylbenzene	1.781	2.068	2.303	2.423	2.376	2.485	2.239	11.92
84)	T	1,2,4-Trimethy...	2.201	2.411	2.906	3.003	2.872	3.034	2.738	12.64
85)	T	sec-Butylbenzene	3.120	3.136	3.460	3.565	3.387	3.570	3.373	5.98
86)	T	p-Isopropyltol...	2.081	2.417	2.806	2.991	2.893	3.032	2.703	13.90
87)	T	1,3-Dichlorobe...	1.448	1.592	1.651	1.657	1.588	1.674	1.602	5.19
88)	T	1,4-Dichlorobe...	1.807	1.709	1.742	1.703	1.627	1.677	1.711	3.56
89)	T	n-Butylbenzene	2.278	2.425	2.648	2.761	2.614	2.762	2.581	7.49
90)	T	Hexachloroethane	0.593	0.564	0.562	0.576	0.552	0.590	0.573	2.86
91)	T	1,2-Dichlorobe...	1.303	1.534	1.596	1.577	1.510	1.583	1.517	7.23
92)	T	1,2-Dibromo-3-...	0.339	0.325	0.304	0.302	0.290	0.305	0.311	5.76
93)	T	1,2,4-Trichlor...	0.761	0.860	0.875	0.937	0.921	0.994	0.891	8.94
94)	T	Hexachlorobuta...	0.351	0.337	0.324	0.329	0.316	0.331	0.331	3.57
95)	T	Naphthalene	2.486	2.658	3.113	3.441	3.451	3.797	3.158	16.01
96)	T	1,2,3-Trichlor...	0.803	0.844	0.887	0.922	0.917	0.992	0.894	7.37

(#) = Out of Range

Ethyl methacrylate

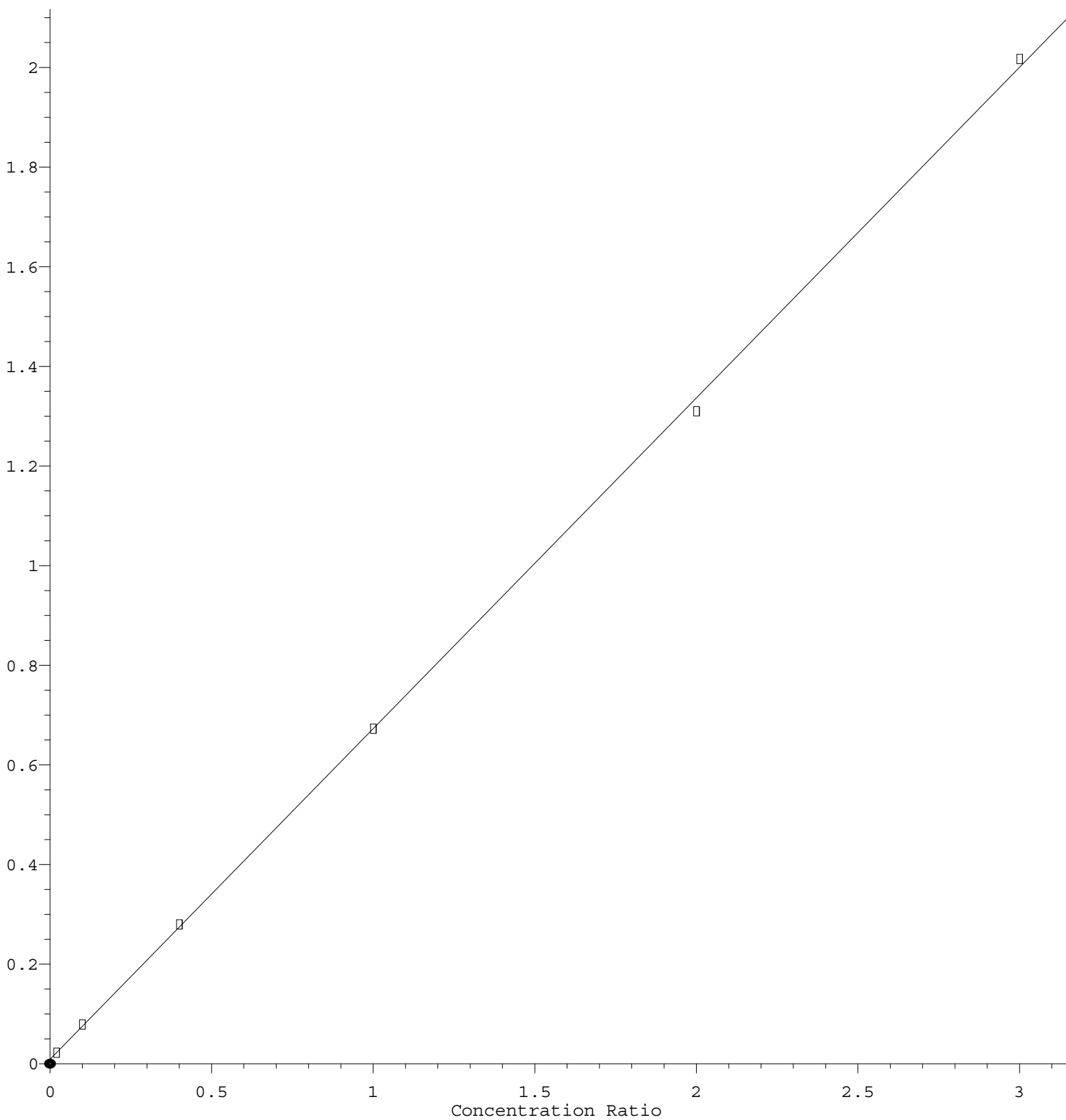
Response Ratio



$R = 2.028 \times 10^{-2} A^2 + 5.966 \times 10^{-1} A - 7.578 \times 10^{-3}$
Coef of Det (r^2) = 0.999797 Curve Fit: Quadratic
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Methylene Chloride

Response Ratio



$$\text{Response} = 6.638\text{e-}001 * \text{Amt} + 8.611\text{e-}003$$

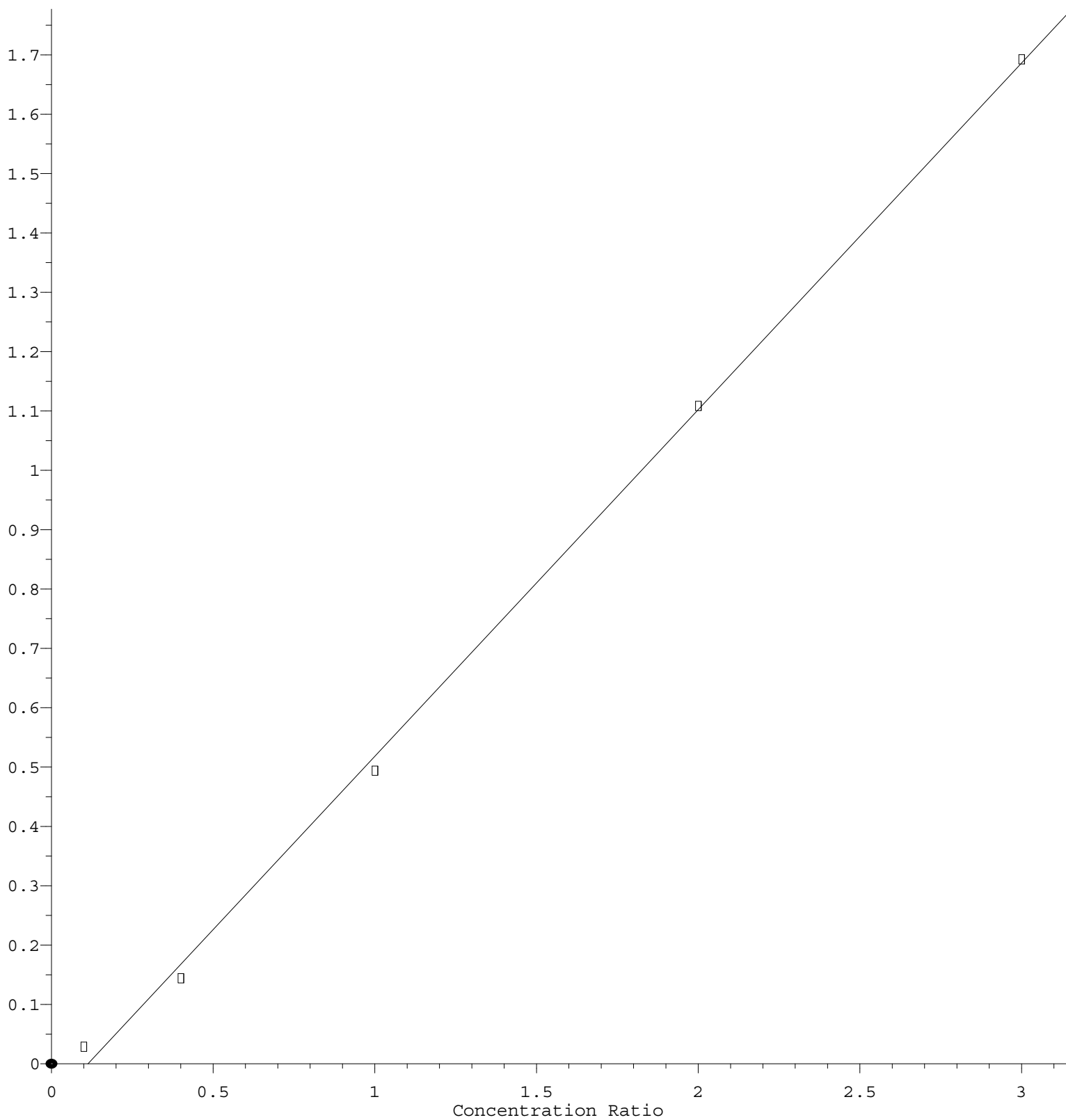
Coef of Det (r^2) = 0.999669 Curve Fit: Linear

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Methyl Iodide

Response Ratio



$$\text{Response} = 5.841\text{e-}001 * \text{Amt} - 6.578\text{e-}002$$

Coef of Det (r^2) = 0.998697 Curve Fit: Linear

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