

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y121025S.M
 Title : SW846 8260
 Last Update : Thu Dec 11 03:57:51 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY023934.D 10 =VY023933.D 20 =VY023928.D 50 =VY023929.D 100 =VY023930.D 150 =VY023935.D

	Compound	5	10	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.317	0.345	0.375	0.357	0.343	0.344	0.347	5.45
3) P	Chloromethane	0.426	0.453	0.447	0.458	0.457	0.432	0.445	3.05
4) C	Vinyl Chloride	0.472	0.527	0.564	0.593	0.589	0.557	0.550	8.20#
5) T	Bromomethane	0.479	0.518	0.489	0.438	0.443	0.444	0.469	6.88
6) T	Chloroethane	0.339	0.387	0.404	0.410	0.404	0.381	0.388	6.76
7) T	Trichlorofluor...	0.742	0.823	0.886	0.867	0.851	0.802	0.829	6.27
8) T	Diethyl Ether	0.219	0.227	0.243	0.237	0.234	0.207	0.228	5.82
9) T	1,1,2-Trichlor...	0.443	0.492	0.516	0.500	0.490	0.456	0.483	5.77
10) T	Methyl Iodide	0.379	0.429	0.542	0.660	0.639	0.570	0.537	20.94
11) T	Tert butyl alc...	0.029	0.027	0.027	0.025	0.024	0.021	0.026	11.42
12) CM	1,1-Dichloroet...	0.397	0.440	0.476	0.480	0.482	0.447	0.454	7.24#
13) T	Acrolein	0.044	0.048	0.038	0.030	0.043	0.042	0.041	15.66
14) T	Allyl chloride	0.483	0.539	0.615	0.628	0.641	0.577	0.581	10.44
15) T	Acrylonitrile	0.089	0.093	0.098	0.093	0.091	0.080	0.091	6.76
16) T	Acetone	0.162	0.163	0.154	0.119	0.108	0.103	0.135	20.62
17) T	Carbon Disulfide	0.934	1.071	1.160	1.409	1.387	1.270	1.205	15.42
18) T	Methyl Acetate	0.220	0.200	0.202	0.207	0.200	0.172	0.200	7.91
19) T	Methyl tert-bu...	0.955	1.096	1.147	1.160	1.140	1.013	1.085	7.69
20) T	Methylene Chlo...	0.602	0.535	0.546	0.504	0.483	0.450	0.520	10.23
21) T	trans-1,2-Dich...	0.445	0.482	0.516	0.531	0.529	0.486	0.498	6.71
22) T	Diisopropyl ether	1.059	1.284	1.439	1.426	1.442	1.281	1.322	11.30
23) T	Vinyl Acetate	0.598	0.699	0.789	0.798	0.811	0.712	0.735	11.11
24) P	1,1-Dichloroet...	0.709	0.811	0.893	0.868	0.872	0.792	0.824	8.33
25) T	2-Butanone	0.136	0.146	0.157	0.134	0.128	0.118	0.137	9.96
26) T	2,2-Dichloropr...	0.661	0.757	0.822	0.812	0.809	0.756	0.769	7.86
27) T	cis-1,2-Dichlo...	0.483	0.559	0.607	0.610	0.611	0.561	0.572	8.69
28) T	Bromochloromet...	0.393	0.308	0.296	0.229	0.333	0.303	0.310	17.20
29) T	Tetrahydrofuran	0.064	0.071	0.074	0.074	0.073	0.062	0.070	7.34
30) C	Chloroform	0.806	0.923	0.973	0.938	0.922	0.838	0.900	7.09#
31) T	Cyclohexane	0.719	0.721	0.778	0.809	0.798	0.724	0.758	5.48
32) T	1,1,1-Trichlor...	0.730	0.834	0.902	0.880	0.863	0.800	0.835	7.49
33) S	1,2-Dichloroet...	0.539	0.483	0.512	0.358	0.389	0.371	0.442	17.70
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.362	0.350	0.383	0.279	0.294	0.293	0.327	13.27
36) T	1,1-Dichloropr...	0.365	0.410	0.479	0.492	0.482	0.442	0.445	11.13
37) T	Ethyl Acetate	0.174	0.177	0.194	0.194	0.187	0.161	0.181	7.01
38) T	Carbon Tetrach...	0.451	0.525	0.588	0.581	0.565	0.526	0.539	9.44
39) T	Methylcyclohexane	0.459	0.535	0.611	0.674	0.671	0.618	0.594	14.02
40) TM	Benzene	1.131	1.303	1.456	1.471	1.451	1.318	1.355	9.73
41) T	Methacrylonitrile	0.099	0.088	0.107	0.102	0.106	0.096	0.100	7.14
42) TM	1,2-Dichloroet...	0.316	0.363	0.381	0.376	0.367	0.328	0.355	7.53
43) T	Isopropyl Acetate	0.301	0.327	0.364	0.370	0.365	0.321	0.341	8.40
44) TM	Trichloroethene	0.339	0.381	0.423	0.420	0.415	0.380	0.393	8.32
45) C	1,2-Dichloropr...	0.260	0.299	0.333	0.326	0.325	0.293	0.306	9.06#
46) T	Dibromomethane	0.156	0.182	0.194	0.193	0.188	0.168	0.180	8.44
47) T	Bromodichlorom...	0.418	0.471	0.512	0.502	0.494	0.446	0.474	7.65
48) T	Methyl methacr...	0.123	0.151	0.160	0.179	0.182	0.158	0.159	13.50
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.33
50) S	Toluene-d8	1.296	1.307	1.419	1.046	1.127	1.107	1.217	11.89
51) T	4-Methyl-2-Pen...	0.155	0.176	0.198	0.198	0.190	0.167	0.181	9.74
52) CM	Toluene	0.714	0.889	0.947	0.977	0.963	0.889	0.897	10.80#
53) T	t-1,3-Dichloro...	0.326	0.379	0.441	0.450	0.452	0.408	0.409	12.16
54) T	cis-1,3-Dichlo...	0.377	0.460	0.517	0.526	0.533	0.481	0.482	12.16
55) T	1,1,2-Trichlor...	0.228	0.250	0.272	0.260	0.252	0.225	0.248	7.41
56) T	Ethyl methacry...	0.223	0.264	0.311	0.329	0.337	0.300	0.294	14.73

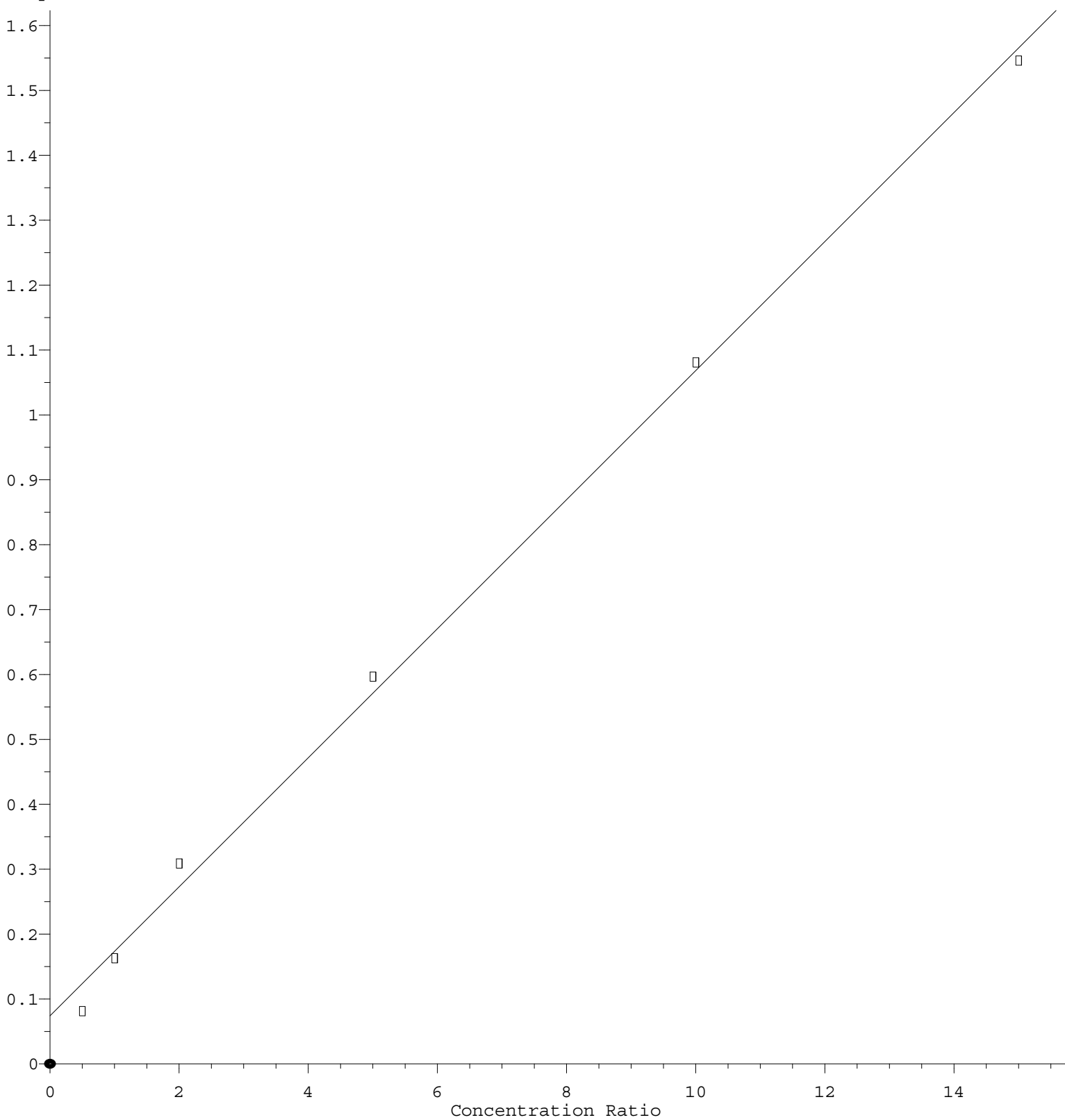
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57)	T	1,3-Dichloropr...	0.348	0.402	0.438	0.429	0.416	0.373	0.401	8.60
58)	T	2-Chloroethyl ...	0.106	0.132	0.130	0.129	0.133	0.134	0.127	8.22
59)	T	2-Hexanone	0.115	0.139	0.157	0.145	0.139	0.129	0.137	10.47
60)	T	Dibromochlorom...	0.300	0.337	0.375	0.368	0.354	0.325	0.343	8.29
61)	T	1,2-Dibromoethane	0.208	0.230	0.247	0.245	0.235	0.213	0.230	7.03
62)	S	4-Bromofluorob...	0.441	0.447	0.466	0.346	0.370	0.369	0.406	12.46
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.469	0.540	0.602	0.577	0.540	0.495	0.537	9.20
65)	PM	Chlorobenzene	1.003	1.157	1.242	1.230	1.207	1.112	1.159	7.78
66)	T	1,1,1,2-Tetrac...	0.347	0.413	0.445	0.426	0.420	0.386	0.406	8.54
67)	C	Ethyl Benzene	1.530	1.862	2.065	2.121	2.113	1.955	1.941	11.58#
68)	T	m/p-Xylenes	0.603	0.740	0.828	0.842	0.837	0.773	0.771	11.87
69)	T	o-Xylene	0.562	0.683	0.765	0.794	0.786	0.735	0.721	12.18
70)	T	Styrene	0.861	1.078	1.264	1.297	1.288	1.198	1.165	14.54
71)	P	Bromoform	0.225	0.236	0.264	0.249	0.241	0.221	0.239	6.56
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.835	3.388	3.987	4.039	4.023	3.652	3.654	13.05
74)	T	N-amyl acetate	0.469	0.559	0.668	0.749	0.765	0.679	0.648	17.61
75)	P	1,1,2,2-Tetrac...	0.507	0.585	0.598	0.581	0.567	0.500	0.556	7.56
76)	T	1,2,3-Trichlor...	0.431	0.397	0.505	0.402	0.460	0.343	0.423	13.28
77)	T	Bromobenzene	0.803	0.909	0.966	0.961	0.943	0.857	0.907	7.17
78)	T	n-propylbenzene	3.307	3.944	4.620	4.741	4.679	4.218	4.251	13.09
79)	T	2-Chlorotoluene	1.919	2.344	2.615	2.649	2.611	2.352	2.415	11.54
80)	T	1,3,5-Trimethy...	2.177	2.751	3.189	3.232	3.224	2.917	2.915	14.09
81)	T	trans-1,4-Dich...	0.155	0.185	0.198	0.199	0.201	0.178	0.186	9.44
82)	T	4-Chlorotoluene	2.068	2.398	2.706	2.679	2.662	2.404	2.486	9.95
83)	T	tert-Butylbenzene	2.060	2.547	2.900	2.943	2.958	2.752	2.693	12.88
84)	T	1,2,4-Trimethy...	2.162	2.766	3.139	3.208	3.155	2.898	2.888	13.66
85)	T	sec-Butylbenzene	3.095	3.706	4.294	4.307	4.273	3.899	3.929	12.16
86)	T	p-Isopropyltol...	2.574	3.139	3.576	3.659	3.640	3.365	3.326	12.57
87)	T	1,3-Dichlorobe...	1.543	1.742	1.901	1.852	1.834	1.691	1.761	7.45
88)	T	1,4-Dichlorobe...	1.600	1.766	1.873	1.800	1.766	1.608	1.736	6.29
89)	T	n-Butylbenzene	2.289	2.656	3.066	3.200	3.238	3.009	2.910	12.64
90)	T	Hexachloroethane	0.584	0.662	0.729	0.720	0.717	0.660	0.679	8.14
91)	T	1,2-Dichlorobe...	1.409	1.530	1.634	1.598	1.565	1.417	1.526	6.16
92)	T	1,2-Dibromo-3-...	0.088	0.090	0.090	0.085	0.088	0.076	0.086	6.34
93)	T	1,2,4-Trichlor...	0.801	0.872	0.897	0.914	0.959	0.937	0.897	6.24
94)	T	Hexachlorobuta...	0.553	0.603	0.598	0.595	0.596	0.582	0.588	3.12
95)	T	Naphthalene	1.206	1.319	1.305	1.458	1.539	1.491	1.386	9.29
96)	T	1,2,3-Trichlor...	0.724	0.764	0.747	0.762	0.793	0.788	0.763	3.34

(#) = Out of Range

Acetone

Response Ratio



$$\text{Response} = 9.939\text{e-}002 * \text{Amt} + 7.436\text{e-}002$$

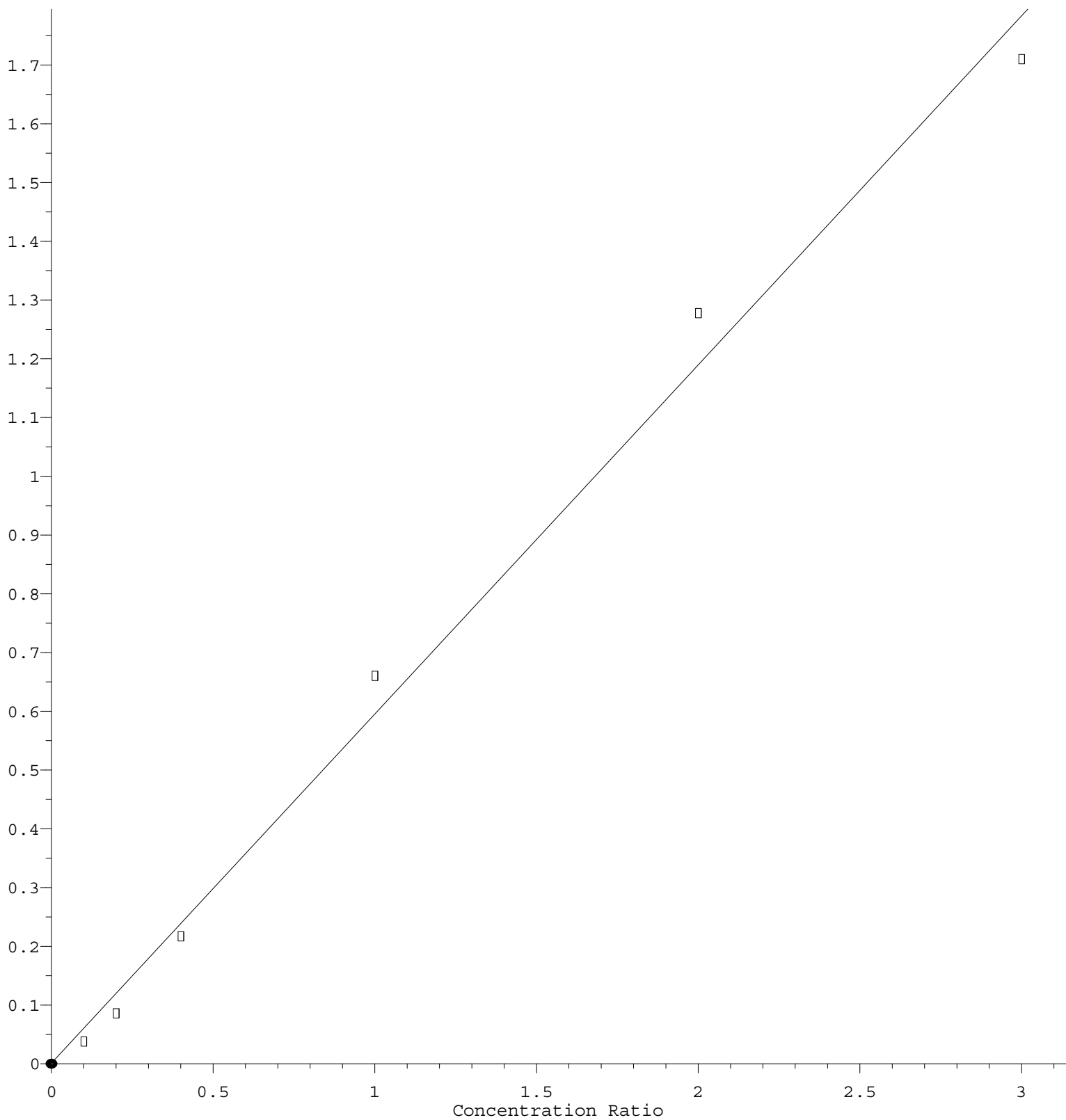
Coef of Det (r^2) = 0.997356 Curve Fit: Linear

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Methyl Iodide

Response Ratio



$$\text{Response} = 5.944\text{e-}001 * \text{Amt} + 9.872\text{e-}004$$

Coef of Det (r^2) = 0.991840 Curve Fit: Linear

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