

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N033123W.M
 Title : SW846 8260
 Last Update : Sat Apr 01 00:11:10 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN077245.D 10 =VN077246.D 20 =VN077247.D 50 =VN077248.D 75 =VN077249.D 1 =VN077244.D

Compound	5	10	20	50	75	1	Avg	%RSD

1) I Pentafluorobenzene	-----ISTD-----							
2) T Dichlorodifluo...	0.264	0.251	0.250	0.253	0.231	0.284	0.256	6.83
3) P Chloromethane	0.366	0.307	0.292	0.293	0.271	0.449	0.330	20.27
4) C Vinyl Chloride	0.379	0.347	0.340	0.348	0.325	0.416	0.359	9.20#
5) T Bromomethane	0.288	0.279	0.245	0.249	0.231		0.258	9.39
6) T Chloroethane	0.312	0.337	0.301	0.278	0.245	0.330	0.300	11.42
7) T Trichlorofluor...	0.828	0.817	0.798	0.795	0.743	0.903	0.814	6.42
8) T Diethyl Ether	0.306	0.313	0.310	0.326	0.310	0.317	0.314	2.22
9) T 1,1,2-Trichlor...	0.513	0.483	0.490	0.482	0.449	0.499	0.486	4.39
10) T Methyl Iodide	0.567	0.562	0.607	0.633	0.612		0.596	5.11
11) T Tert butyl alc...	0.079	0.085	0.083	0.087	0.083		0.084	3.50
12) CM 1,1-Dichloroet...	0.452	0.443	0.439	0.454	0.433	0.475	0.449	3.30#
13) T Acrolein	0.098	0.088	0.078	0.087	0.093		0.089	8.60
14) T Allyl chloride	0.771	0.776	0.777	0.824	0.795	0.732	0.779	3.86
15) T Acrylonitrile	0.268	0.275	0.280	0.283	0.268	0.274	0.275	2.21
16) T Acetone	0.269	0.265	0.252	0.249	0.225	0.276	0.256	7.13
17) T Carbon Disulfide	1.232	1.112	1.124	1.164	1.113	1.435	1.197	10.49
18) T Methyl Acetate	0.908	0.919	0.914	0.930	0.875	1.230	0.963	13.73
19) T Methyl tert-bu...	1.474	1.478	1.532	1.583	1.507	1.449	1.504	3.19
20) T Methylene Chlo...	0.591	0.555	0.548	0.546	0.511	0.687	0.573	10.69
21) T trans-1,2-Dich...	0.505	0.478	0.488	0.492	0.469	0.517	0.491	3.58
22) T Diisopropyl ether	1.633	1.677	1.706	1.742	1.639	1.487	1.648	5.37
23) T Vinyl Acetate	0.927	0.968	1.023	1.079	1.049	0.887	0.989	7.50
24) P 1,1-Dichloroet...	0.972	0.962	0.955	0.977	0.916	1.024	0.968	3.59
25) T 2-Butanone	0.371	0.375	0.368	0.376	0.348	0.346	0.364	3.67
26) T 2,2-Dichloropr...	0.712	0.696	0.722	0.744	0.700	0.722	0.716	2.41
27) T cis-1,2-Dichlo...	0.584	0.585	0.577	0.595	0.564	0.623	0.588	3.38
28) T Bromochloromet...	0.398	0.459	0.405	0.421	0.416	0.435	0.422	5.18
29) T Tetrahydrofuran	0.221	0.239	0.242	0.244	0.230	0.196	0.229	7.90
30) C Chloroform	0.966	0.947	0.940	0.948	0.886	1.034	0.953	5.01#
31) T Cyclohexane	1.027	0.920	0.876	0.884	0.834		0.908	8.05
32) T 1,1,1-Trichlor...	0.783	0.792	0.793	0.812	0.767	0.878	0.804	4.84
33) S 1,2-Dichloroet...	0.606	0.400	0.555	0.471	0.542		0.515	15.65
34) I 1,4-Difluorobenzene	-----ISTD-----							
35) S Dibromofluorom...	0.335	0.231	0.315	0.273	0.316	0.381	0.309	16.71
36) T 1,1-Dichloropr...	0.452	0.443	0.446	0.470	0.446	0.461	0.453	2.27
37) T Ethyl Acetate	0.439	0.464	0.482	0.482	0.459	0.402	0.454	6.70
38) T Carbon Tetrach...	0.457	0.453	0.461	0.468	0.451	0.498	0.464	3.78
39) T Methylcyclohexane	0.553	0.538	0.562	0.594	0.577	0.510	0.556	5.33

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40)	TM	Benzene	1.443	1.411	1.431	1.430	1.355	1.462	1.422	2.61
41)	T	Methacrylonitrile	0.237	0.258	0.250	0.261	0.251	0.233	0.248	4.46
42)	TM	1,2-Dichloroet...	0.470	0.476	0.475	0.461	0.438	0.471	0.465	3.14
43)	T	Isopropyl Acetate	0.677	0.706	0.729	0.758	0.733	0.676	0.713	4.62
44)	TM	Trichloroethene	0.368	0.361	0.362	0.362	0.354	0.402	0.368	4.66
45)	C	1,2-Dichloropr...	0.376	0.379	0.373	0.381	0.359	0.401	0.378	3.62#
46)	T	Dibromomethane	0.237	0.231	0.241	0.238	0.225	0.271	0.241	6.69
47)	T	Bromodichlorom...	0.464	0.469	0.480	0.488	0.460	0.480	0.474	2.33
48)	T	Methyl methacr...	0.319	0.345	0.351	0.373	0.361	0.315	0.344	6.66
49)	T	1,4-Dioxane	0.006	0.007	0.007	0.007	0.007	0.006	0.007	6.90
50)	S	Toluene-d8	1.235	0.865	1.198	1.052	1.229		1.116	14.22
51)	T	4-Methyl-2-Pen...	0.451	0.458	0.474	0.485	0.461	0.380	0.451	8.24
52)	CM	Toluene	0.882	0.857	0.882	0.898	0.852	0.791	0.860	4.44#
53)	T	t-1,3-Dichloro...	0.442	0.433	0.487	0.517	0.510	0.413	0.467	9.37
54)	T	cis-1,3-Dichlo...	0.525	0.523	0.560	0.583	0.566	0.499	0.543	5.89
55)	T	1,1,2-Trichlor...	0.350	0.363	0.350	0.360	0.340	0.373	0.356	3.29
56)	T	Ethyl methacry...	0.460	0.480	0.518	0.560	0.548	0.390	0.493	12.86
57)	T	1,3-Dichloropr...	0.609	0.605	0.613	0.619	0.589	0.591	0.604	2.00
58)	T	2-Chloroethyl ...	0.160	0.156	0.174	0.193	0.198	0.141	0.170	13.16
59)	T	2-Hexanone	0.321	0.337	0.346	0.354	0.339	0.269	0.328	9.36
60)	T	Dibromochlorom...	0.350	0.363	0.370	0.389	0.374	0.371	0.370	3.47
61)	T	1,2-Dibromoethane	0.348	0.341	0.349	0.361	0.347	0.326	0.345	3.38
62)	S	4-Bromofluorob...	0.379	0.269	0.394	0.366	0.439		0.369	16.87
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.370	0.364	0.356	0.354	0.342	0.410	0.366	6.44
65)	PM	Chlorobenzene	1.047	1.057	1.051	1.060	1.022	1.097	1.056	2.31
66)	T	1,1,1,2-Tetrac...	0.387	0.405	0.400	0.409	0.386	0.440	0.405	4.91
67)	C	Ethyl Benzene	1.716	1.759	1.834	1.906	1.825	1.638	1.780	5.36#
68)	T	m/p-Xylenes	0.668	0.691	0.717	0.739	0.708	0.630	0.692	5.64
69)	T	o-Xylene	0.635	0.661	0.694	0.728	0.702	0.586	0.667	7.73
70)	T	Styrene	0.984	1.066	1.122	1.192	1.160	0.852	1.063	11.94
71)	P	Bromoform	0.300	0.313	0.318	0.334	0.329	0.313	0.318	3.81
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.804	3.831	3.894	3.777	3.566	3.499	3.729	4.24
74)	T	N-amyl acetate	1.299	1.376	1.435	1.438	1.381	1.319	1.375	4.19
75)	P	1,1,2,2-Tetrac...	1.315	1.311	1.271	1.177	1.092	1.615	1.297	13.73
76)	T	1,2,3-Trichlor...	1.175	1.120	1.085	1.015	0.948	1.362	1.118	12.88
77)	T	Bromobenzene	1.018	0.990	0.988	0.955	0.910	1.131	0.998	7.45
78)	T	n-propylbenzene	4.108	4.187	4.361	4.384	4.134	3.496	4.112	7.85
79)	T	2-Chlorotoluene	2.670	2.684	2.724	2.627	2.452	2.713	2.645	3.80
80)	T	1,3,5-Trimethy...	3.026	3.122	3.227	3.154	3.007	2.447	2.997	9.40
81)	T	trans-1,4-Dich...	0.383	0.372	0.407	0.401	0.391		0.391	3.57
82)	T	4-Chlorotoluene	2.488	2.524	2.578	2.510	2.418	2.392	2.485	2.78
83)	T	tert-Butylbenzene	2.755	2.822	2.883	2.839	2.707	2.378	2.731	6.73
84)	T	1,2,4-Trimethy...	2.809	2.980	3.224	3.176	3.004	2.369	2.927	10.62
85)	T	sec-Butylbenzene	3.650	3.761	3.933	3.964	3.785	3.028	3.687	9.30
86)	T	p-Isopropyltol...	2.892	3.039	3.255	3.380	3.236	2.239	3.007	13.76
87)	T	1,3-Dichlorobe...	1.748	1.737	1.769	1.747	1.652	1.858	1.752	3.77

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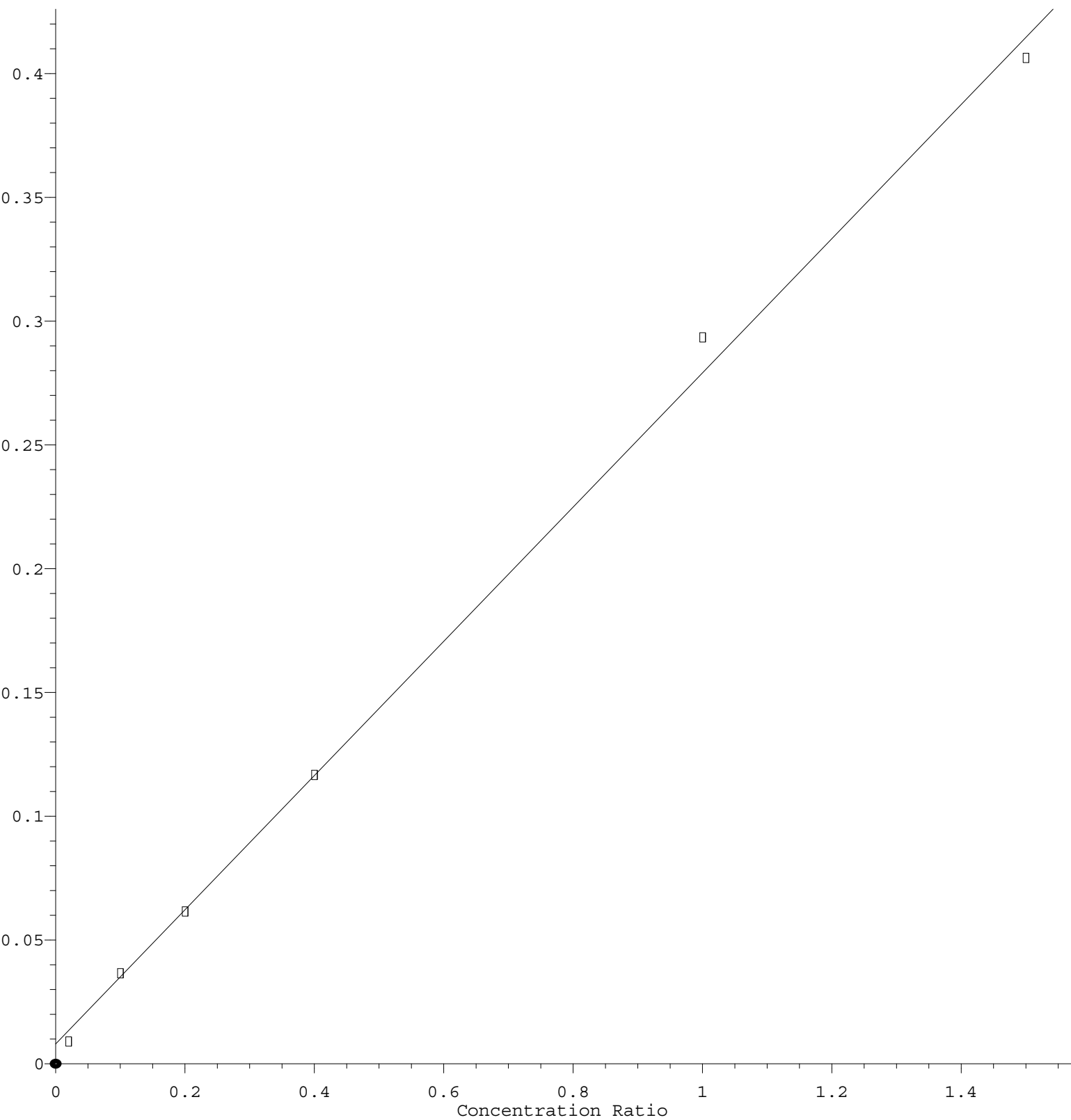
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88)	T	1,4-Dichlorobe...	1.738	1.705	1.726	1.698	1.617	1.887	1.728	5.13
89)	T	n-Butylbenzene	2.136	2.278	2.502	2.722	2.679	2.133	2.408	10.95
90)	T	Hexachloroethane	0.618	0.605	0.606	0.605	0.576	0.744	0.626	9.52
91)	T	1,2-Dichlorobe...	1.689	1.718	1.764	1.728	1.611	1.813	1.721	3.98
92)	T	1,2-Dibromo-3-...	0.194	0.219	0.219	0.216	0.206	0.246	0.217	7.98
93)	T	1,2,4-Trichlor...	0.480	0.550	0.719	0.904	0.933	0.431	0.669	32.36
94)	T	Hexachlorobuta...	0.561	0.552	0.566	0.572	0.547	0.638	0.573	5.79
95)	T	Naphthalene	1.039	1.426	2.056	2.648	2.717	0.794	1.780	46.01
96)	T	1,2,3-Trichlor...	0.477	0.571	0.711	0.874	0.901	0.411	0.657	31.17

(#) = Out of Range

Chloromethane

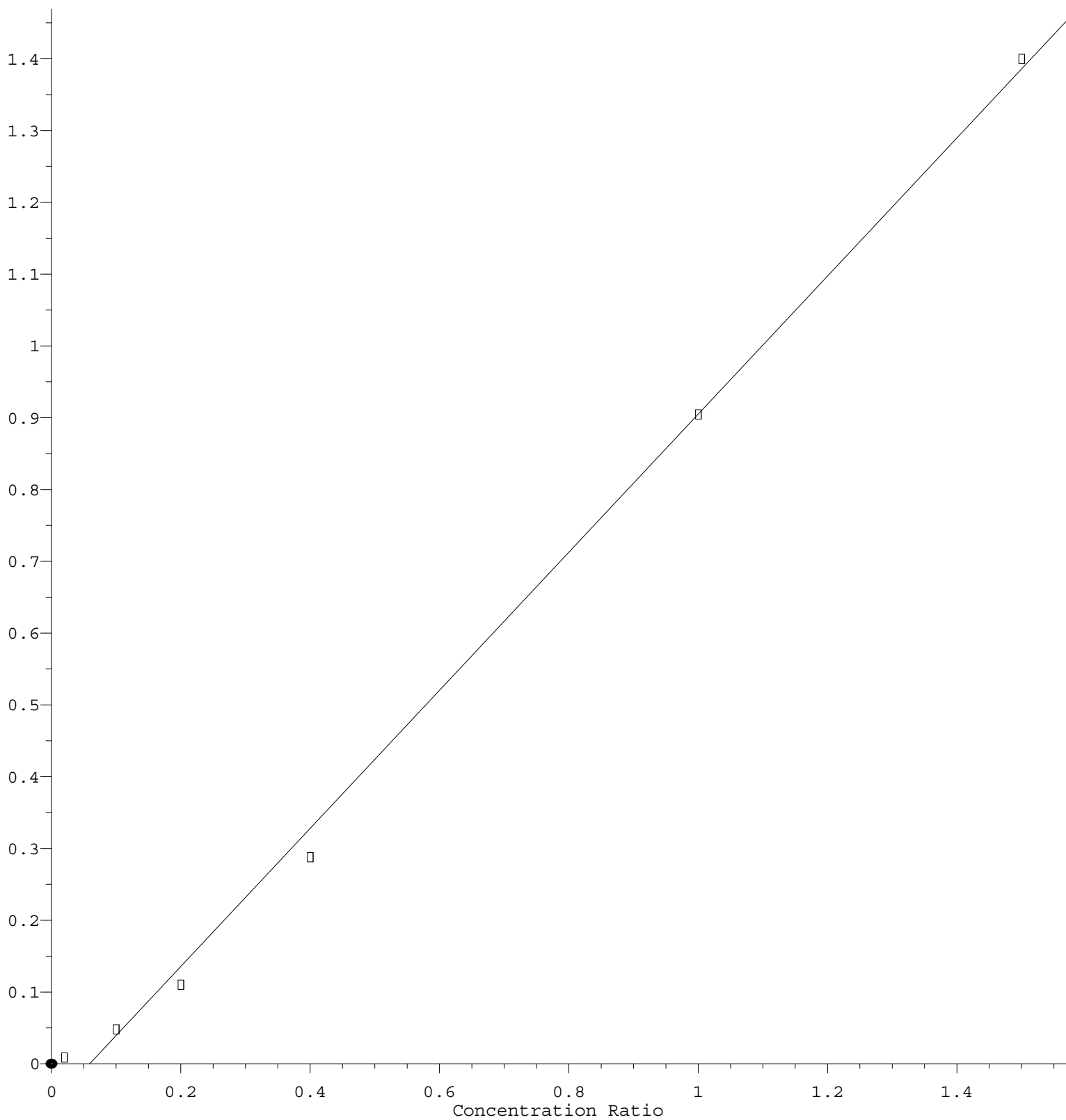
Response Ratio



Response = 2.714e-001 * Amt + 8.268e-003
 Coef of Det (r^2) = 0.997684 Curve Fit: Linear
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1,2,4-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.616\text{e-}001 * \text{Amt} - 5.630\text{e-}002$$

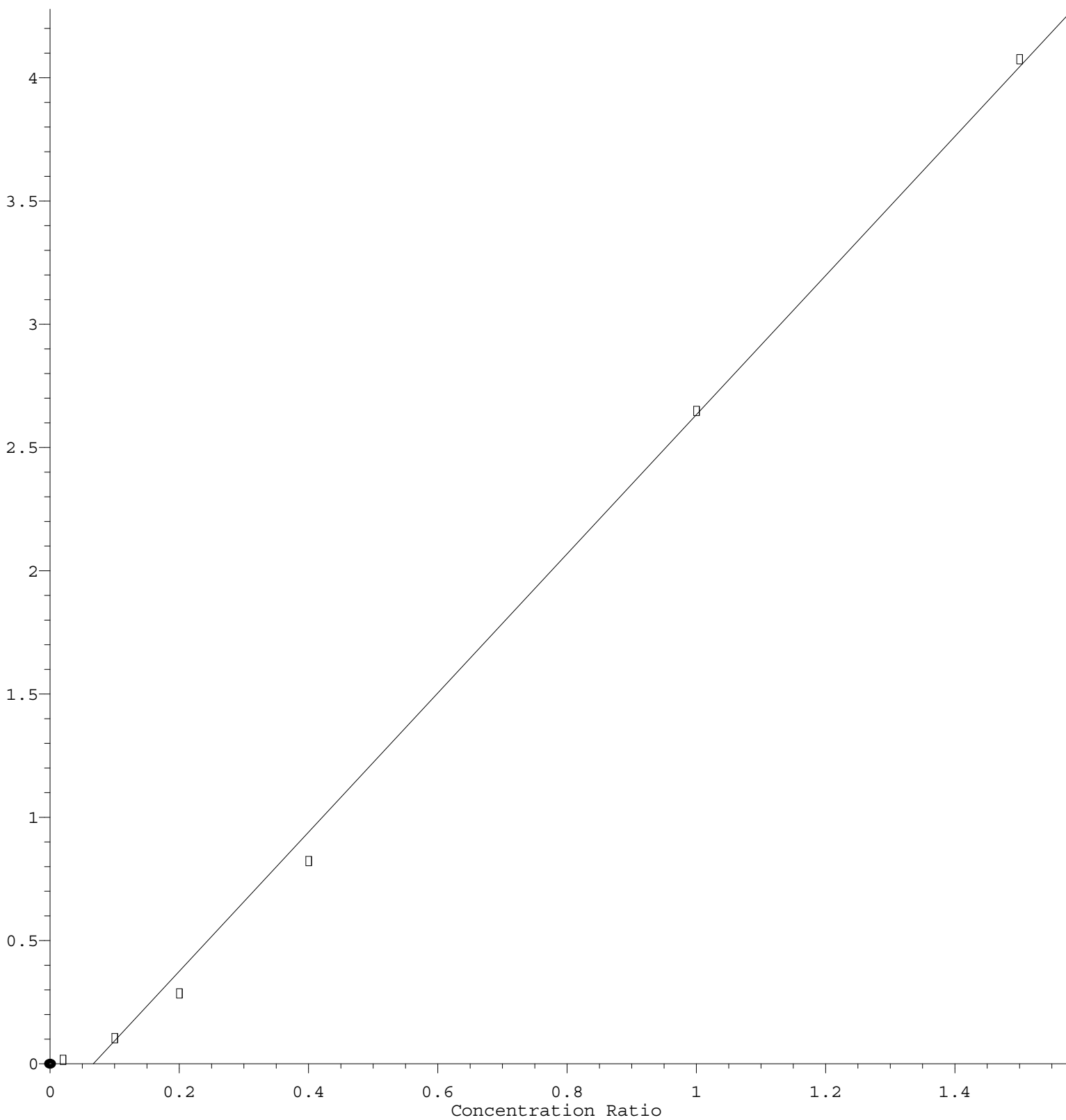
Coef of Det (r^2) = 0.997093 Curve Fit: Linear

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Naphthalene

Response Ratio



$$\text{Response} = 2.823\text{e}+000 * \text{Amt} - 1.900\text{e}-001$$

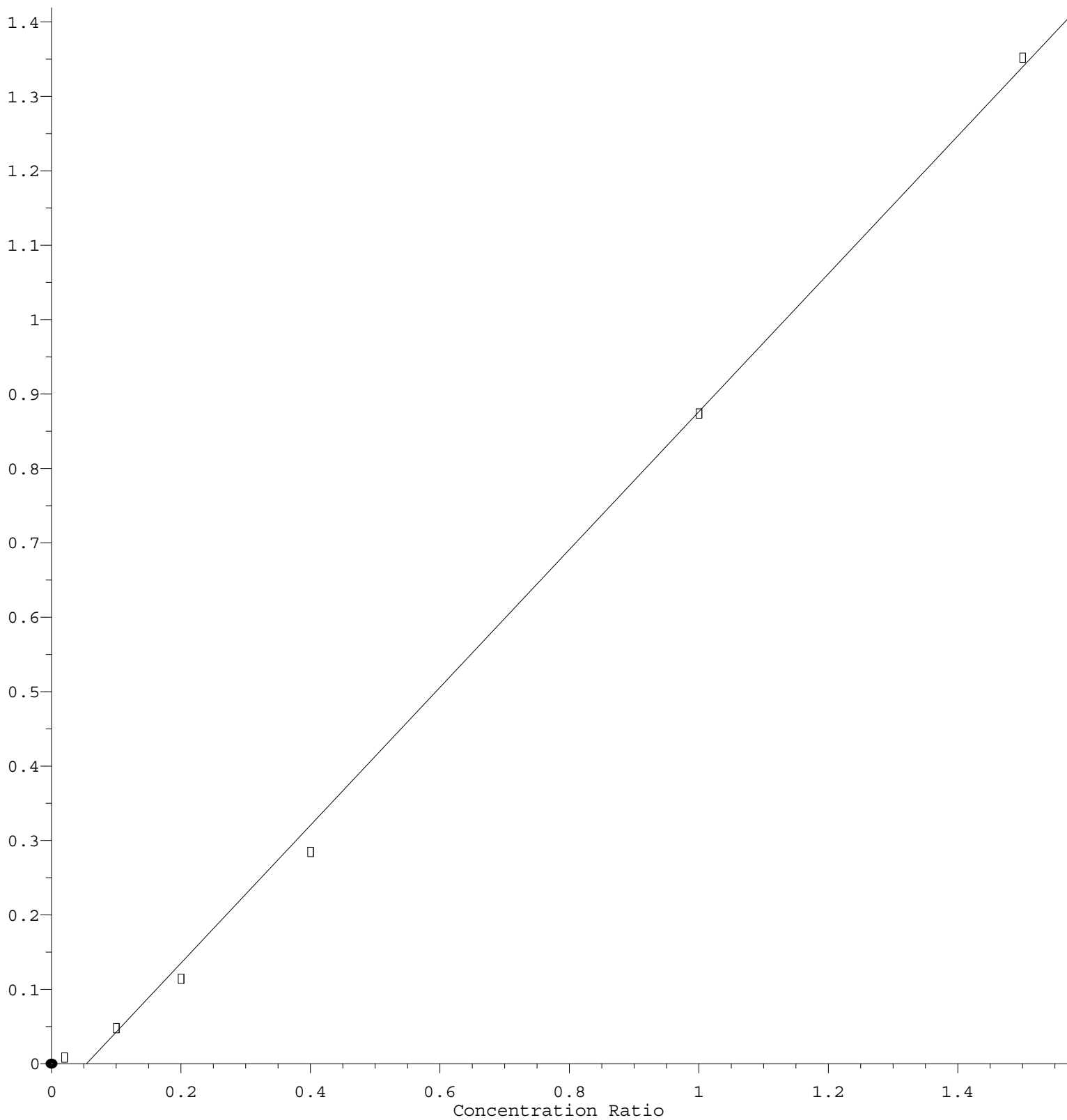
Coef of Det (r^2) = 0.996731 Curve Fit: Linear

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1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.263\text{e-}001 * \text{Amt} - 5.043\text{e-}002$$

Coef of Det (r^2) = 0.997649 Curve Fit: Linear

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