

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X100322W.M
 Title : SW846 8260
 Last Update : Tue Oct 04 06:59:30 2022
 Response Via : Initial Calibration

Calibration Files

1 =VX031824.D 5 =VX031825.D 20 =VX031827.D 50 =VX031828.D 100 =VX031832.D 10 =VX031831.D

	Compound	1	5	20	50	100	10	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.626	0.601	0.696	0.659	0.541	0.756	0.646	11.65
3) P	Chloromethane	0.752	0.731	0.696	0.613	0.526	0.748	0.678	13.33
4) C	Vinyl Chloride	0.926	0.938	0.888	0.810	0.686	0.930	0.863	11.44#
5) T	Bromomethane		0.807	0.662	0.580	0.520	0.811	0.676	19.42
6) T	Chloroethane	1.125	1.057	0.751	0.775	0.717	0.759	0.864	20.63
7) T	Trichlorofluor...	2.052	1.966	1.745	1.580	1.389	1.837	1.761	14.01
8) T	Diethyl Ether	0.676	0.650	0.561	0.507	0.442	0.608	0.574	15.47
9) T	1,1,2-Trichlor...	0.894	0.821	0.734	0.693	0.637	0.787	0.761	12.15
10) T	Methyl Iodide		0.597	0.758	0.811	0.735	0.670	0.714	11.61
11) T	Tert butyl alc...		0.127	0.128	0.118	0.103	0.149	0.125	13.29
12) CM	1,1-Dichloroet...	0.783	0.749	0.688	0.650	0.593	0.729	0.699	9.96#
13) T	Acrolein		0.106	0.071	0.070	0.057	0.065	0.074	25.19
14) T	Allyl chloride	1.056	0.987	0.853	0.819	0.716	0.922	0.892	13.71
15) T	Acrylonitrile	0.374	0.348	0.318	0.309	0.266	0.339	0.326	11.47
16) T	Acetone	0.316	0.273	0.249	0.227	0.195	0.276	0.256	16.48
17) T	Carbon Disulfide	2.376	2.081	1.853	1.739	1.534	1.979	1.927	15.09
18) T	Methyl Acetate	0.987	0.888	0.825	0.758	0.665	0.904	0.838	13.67
19) T	Methyl tert-bu...	2.385	2.511	2.257	2.177	1.948	2.370	2.275	8.64
20) T	Methylene Chlo...	0.878	0.900	0.766	0.716	0.632	0.810	0.784	12.90
21) T	trans-1,2-Dich...	0.914	0.878	0.792	0.773	0.713	0.846	0.819	9.02
22) T	Diisopropyl ether	2.066	2.062	1.903	1.811	1.554	1.951	1.891	10.14
23) T	Vinyl Acetate	1.456	1.468	1.456	1.389	1.225	1.494	1.415	7.02
24) P	1,1-Dichloroet...	1.450	1.405	1.244	1.169	1.025	1.332	1.271	12.45
25) T	2-Butanone	0.459	0.437	0.411	0.382	0.333	0.444	0.411	11.40
26) T	2,2-Dichloropr...	1.166	1.207	1.049	1.025	0.948	1.115	1.085	8.86
27) T	cis-1,2-Dichlo...	1.030	1.037	0.936	0.919	0.816	0.976	0.952	8.61
28) T	Bromochloromet...	0.592	0.524	0.488	0.498	0.411	0.570	0.514	12.56
29) T	Tetrahydrofuran	0.260	0.265	0.264	0.244	0.210	0.279	0.254	9.50
30) C	Chloroform	1.545	1.726	1.522	1.457	1.282	1.591	1.520	9.69#
31) T	Cyclohexane		1.198	1.087	1.039	0.916	1.095	1.067	9.60
32) T	1,1,1-Trichlor...	1.622	1.552	1.413	1.371	1.227	1.471	1.443	9.68
33) S	1,2-Dichloroet...		1.009	0.900	0.850	0.731	0.989	0.896	12.58
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.645	0.543	0.587	0.554	0.642	0.594	8.03
36) T	1,1-Dichloropr...	0.754	0.790	0.719	0.709	0.682	0.765	0.737	5.45
37) T	Ethyl Acetate	0.590	0.592	0.535	0.546	0.490	0.592	0.558	7.48
38) T	Carbon Tetrach...	0.957	0.948	0.882	0.910	0.872	0.919	0.914	3.72
39) T	Methylcyclohexane	0.883	0.958	0.868	0.911	0.881	0.921	0.904	3.68
40) TM	Benzene	2.162	2.251	2.098	2.080	1.944	2.232	2.128	5.33
41) T	Methacrylonitrile	0.353	0.317	0.296	0.288	0.257	0.305	0.303	10.51
42) TM	1,2-Dichloroet...	0.822	0.811	0.733	0.701	0.641	0.766	0.745	9.21
43) T	Isopropyl Acetate	0.975	0.921	0.872	0.876	0.822	0.944	0.902	6.16
44) TM	Trichloroethene	0.751	0.713	0.650	0.678	0.656	0.677	0.687	5.52
45) C	1,2-Dichloropr...	0.538	0.540	0.482	0.479	0.444	0.507	0.499	7.51#
46) T	Dibromomethane	0.413	0.436	0.404	0.408	0.387	0.445	0.416	5.10
47) T	Bromodichlorom...	0.904	0.862	0.809	0.807	0.754	0.853	0.832	6.30
48) T	Methyl methacr...	0.407	0.421	0.391	0.412	0.376	0.413	0.403	4.13
49) T	1,4-Dioxane	0.012	0.013	0.013	0.013	0.012	0.015	0.013	8.47
50) S	Toluene-d8		2.162	2.059	2.144	2.011	2.250	2.125	4.38
51) T	4-Methyl-2-Pen...	0.566	0.575	0.574	0.559	0.503	0.618	0.566	6.55
52) CM	Toluene	1.484	1.549	1.487	1.479	1.394	1.558	1.492	3.97#
53) T	t-1,3-Dichloro...	0.799	0.793	0.777	0.814	0.771	0.804	0.793	2.05
54) T	cis-1,3-Dichlo...	0.869	0.885	0.852	0.880	0.833	0.894	0.869	2.65
55) T	1,1,2-Trichlor...	0.573	0.625	0.602	0.594	0.557	0.617	0.595	4.33
56) T	Ethyl methacry...	0.561	0.654	0.716	0.742	0.709	0.743	0.688	10.18

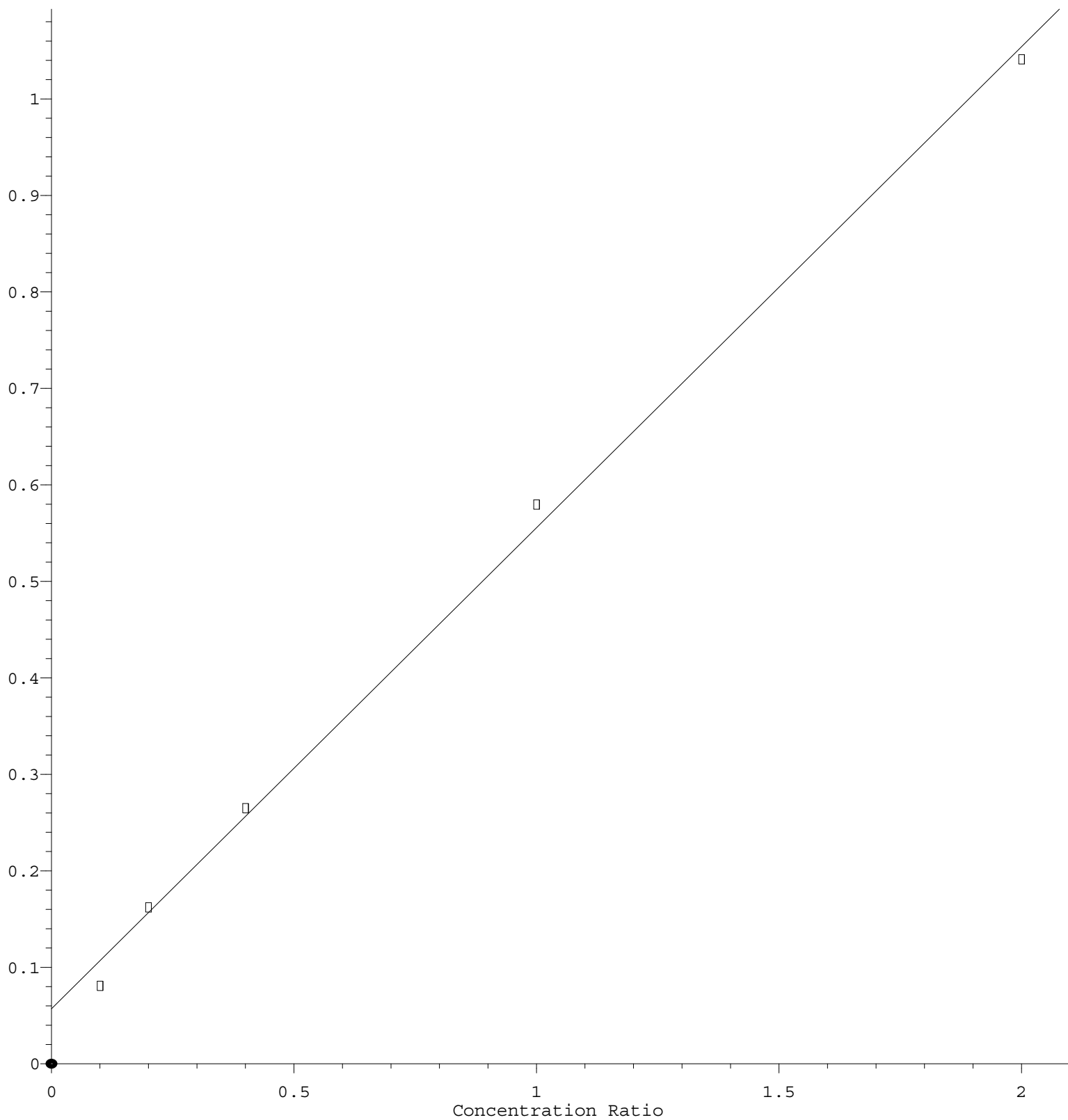
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57)	T	1,3-Dichloropr...	0.915	0.966	0.934	0.911	0.843	0.971	0.923	5.07
58)	T	2-Chloroethyl ...	0.354	0.367	0.365	0.369	0.341	0.330	0.354	4.51
59)	T	2-Hexanone	0.380	0.418	0.420	0.413	0.379	0.459	0.411	7.24
60)	T	Dibromochlorom...	0.690	0.719	0.721	0.741	0.715	0.745	0.722	2.75
61)	T	1,2-Dibromoethane	0.663	0.660	0.664	0.668	0.623	0.684	0.660	3.08
62)	S	4-Bromofluorob...		0.746	0.739	0.780	0.751	0.810	0.765	3.86
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.646	0.643	0.591	0.617	0.626	0.628	0.625	3.18
65)	PM	Chlorobenzene	1.571	1.591	1.466	1.470	1.418	1.581	1.516	4.86
66)	T	1,1,1,2-Tetrac...	0.561	0.625	0.572	0.580	0.562	0.600	0.584	4.30
67)	C	Ethyl Benzene	2.482	2.646	2.476	2.461	2.318	2.590	2.496	4.56#
68)	T	m/p-Xylenes	0.969	1.043	1.036	1.053	0.990	1.091	1.030	4.28
69)	T	o-Xylene	0.919	1.012	1.001	1.018	0.960	1.046	0.993	4.61
70)	T	Styrene	1.424	1.649	1.637	1.679	1.611	1.681	1.613	5.98
71)	P	Bromoform	0.507	0.473	0.474	0.509	0.506	0.475	0.491	3.72
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.867	3.717	3.415	3.332	3.161	3.698	3.532	7.65
74)	T	N-amyl acetate	0.877	0.834	0.804	0.803	0.787	0.858	0.827	4.27
75)	P	1,1,2,2-Tetrac...	1.157	1.086	0.957	0.927	0.838	1.068	1.005	11.77
76)	T	1,2,3-Trichlor...	1.112	0.957	0.871	0.811	0.752	0.954	0.910	14.00
77)	T	Bromobenzene	1.021	0.929	0.893	0.901	0.889	0.956	0.932	5.44
78)	T	n-propylbenzene	4.009	4.113	3.801	3.677	3.522	4.038	3.860	6.01
79)	T	2-Chlorotoluene	2.465	2.617	2.282	2.154	2.041	2.435	2.332	9.17
80)	T	1,3,5-Trimethy...	2.918	3.125	2.955	2.839	2.717	3.142	2.949	5.57
81)	T	trans-1,4-Dich...		0.260	0.260	0.271	0.265	0.269	0.265	1.86
82)	T	4-Chlorotoluene	2.772	2.881	2.679	2.514	2.396	2.912	2.692	7.61
83)	T	tert-Butylbenzene	3.042	3.125	2.983	2.921	2.730	3.084	2.981	4.79
84)	T	1,2,4-Trimethy...	2.868	3.092	2.959	2.848	2.720	3.126	2.935	5.28
85)	T	sec-Butylbenzene	3.576	3.796	3.587	3.477	3.372	3.723	3.588	4.33
86)	T	p-Isopropyltol...	2.890	3.266	3.173	3.111	3.028	3.322	3.132	5.06
87)	T	1,3-Dichlorobe...	1.840	1.788	1.694	1.736	1.701	1.786	1.758	3.24
88)	T	1,4-Dichlorobe...	1.954	1.941	1.759	1.748	1.707	1.906	1.836	5.97
89)	T	n-Butylbenzene	2.460	2.584	2.438	2.393	2.421	2.546	2.474	3.03
90)	T	Hexachloroethane	0.608	0.601	0.547	0.548	0.538	0.548	0.565	5.47
91)	T	1,2-Dichlorobe...	1.859	1.831	1.696	1.726	1.629	1.821	1.760	5.15
92)	T	1,2-Dibromo-3-...	0.204	0.225	0.221	0.200	0.182	0.236	0.211	9.24
93)	T	1,2,4-Trichlor...	1.048	1.077	1.030	1.113	1.133	1.064	1.077	3.62
94)	T	Hexachlorobuta...	0.473	0.411	0.411	0.443	0.473	0.449	0.443	6.31
95)	T	Naphthalene	3.049	3.260	3.426	3.512	3.297	3.590	3.356	5.83
96)	T	1,2,3-Trichlor...	0.905	1.063	1.027	1.094	1.095	1.084	1.045	7.00

(#) = Out of Range

Bromomethane

Response Ratio



$$\text{Response} = 4.988\text{e-}001 * \text{Amt} + 5.652\text{e-}002$$

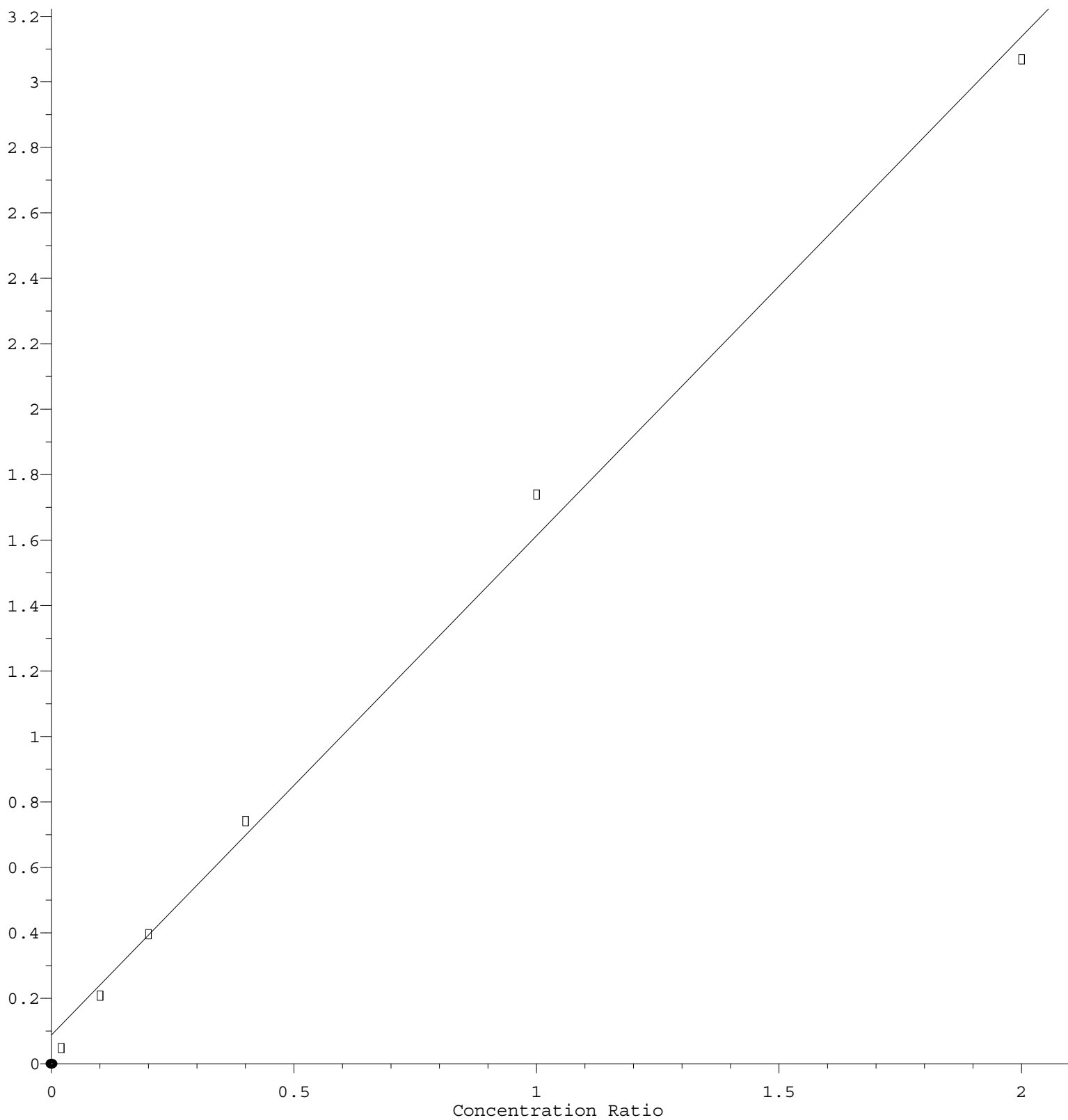
Coef of Det (r^2) = 0.997515 Curve Fit: Linear

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Carbon Disulfide

Response Ratio



$$\text{Response} = 1.525\text{e}+000 * \text{Amt} + 8.770\text{e}-002$$

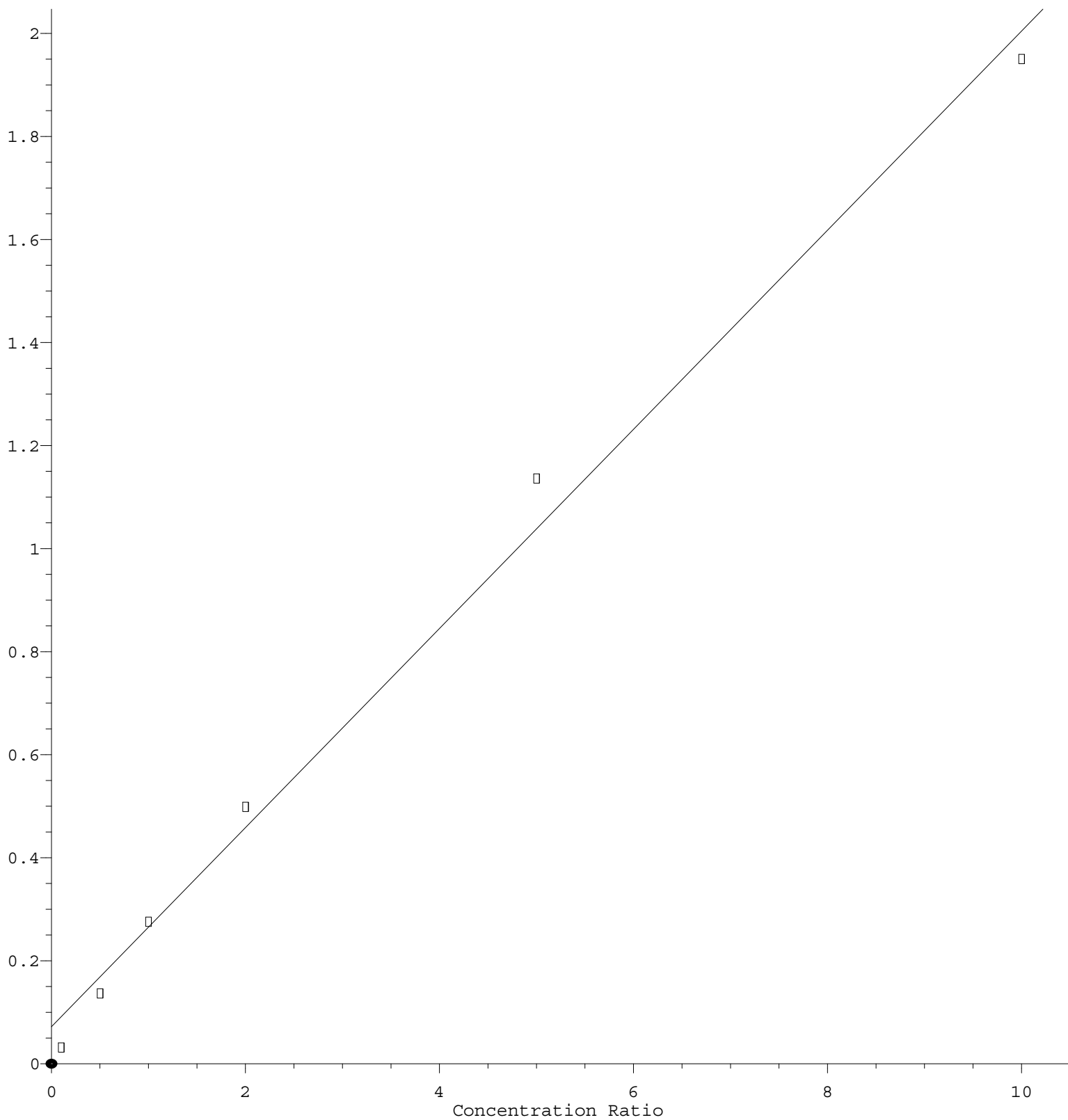
Coef of Det (r^2) = 0.995772 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 1.933\text{e-}001 * \text{Amt} + 7.207\text{e-}002$$

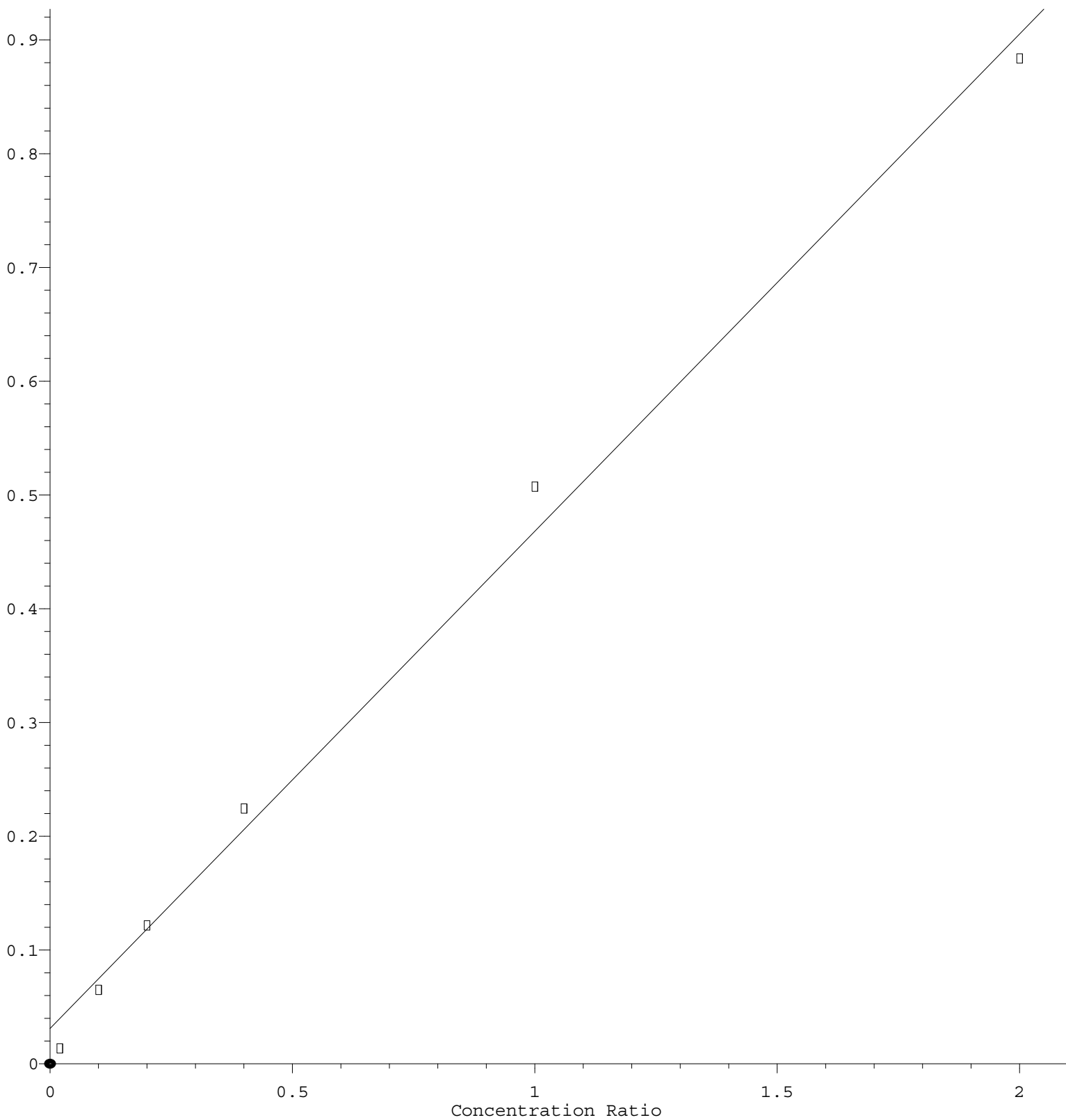
Coef of Det (r^2) = 0.993115 Curve Fit: Linear

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Diethyl Ether

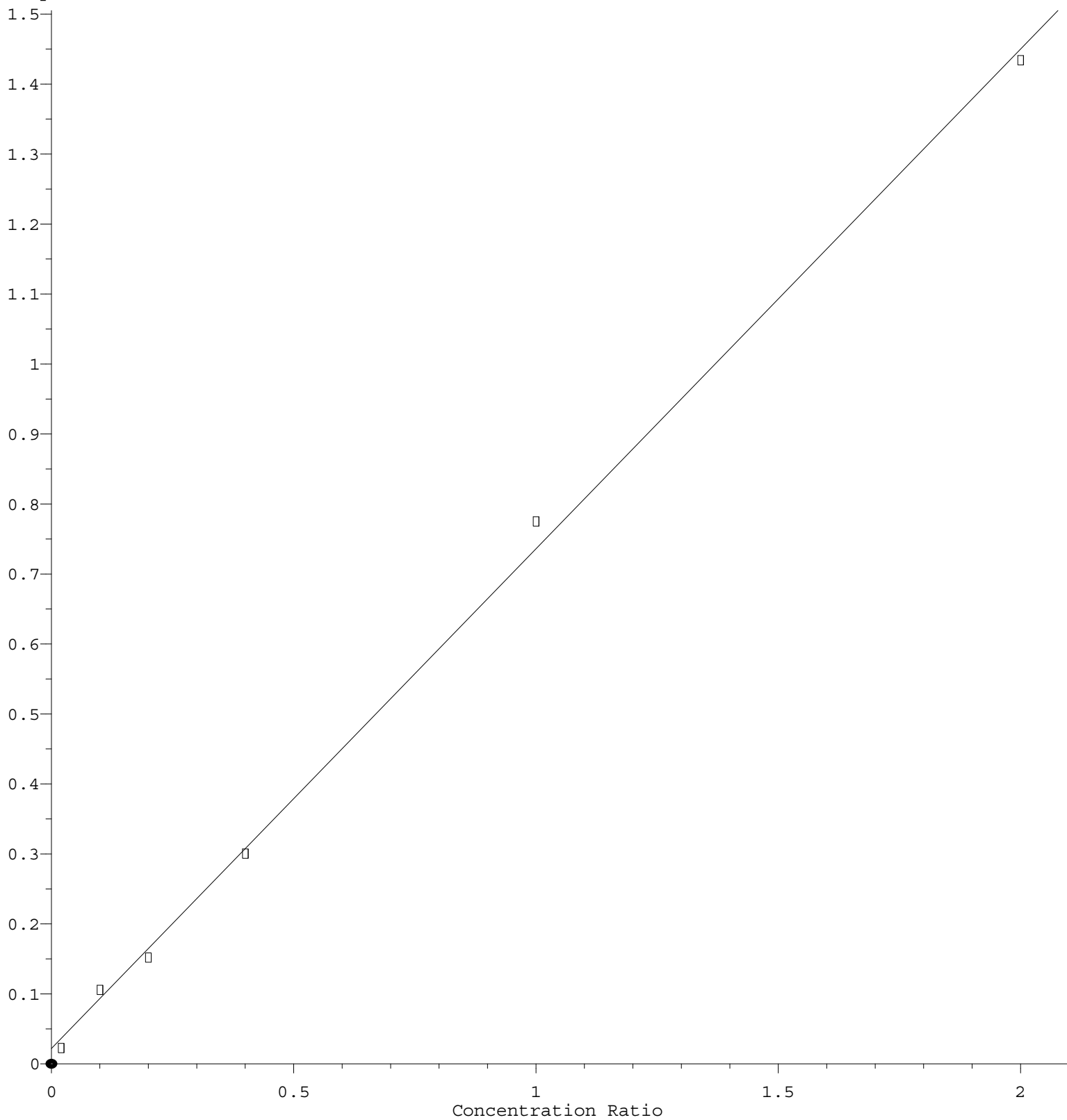
Response Ratio



Response = 4.373e-001 * Amt + 3.143e-002
 Coef of Det (r^2) = 0.994397 Curve Fit: Linear
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Chloroethane

Response Ratio



$$\text{Response} = 7.146\text{e-}001 * \text{Amt} + 2.184\text{e-}002$$

Coef of Det (r^2) = 0.998424 Curve Fit: Linear

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