

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N091522W.M
 Title : SW846 8260
 Last Update : Thu Sep 15 19:20:33 2022
 Response Via : Initial Calibration

Calibration Files

1 =VN074459.D 5 =VN074453.D 20 =VN074455.D 50 =VN074456.D 100 =VN074457.D 10 =VN074454.D

	Compound	1	5	20	50	100	10	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.652	0.567	0.553	0.465	0.520	0.508	0.544	11.73
3) P	Chloromethane	1.429	0.982	0.918	0.838	0.936	0.953	1.009	20.93
4) C	Vinyl Chloride	1.121	1.015	0.987	0.842	0.962	0.950	0.979	9.28#
5) T	Bromomethane		0.569	0.523	0.477	0.438	0.575	0.517	11.47
6) T	Chloroethane		0.809	0.664	0.575	0.638	0.659	0.669	12.83
7) T	Trichlorofluor...	1.232	1.104	1.083	0.946	1.085	1.040	1.082	8.59
8) T	Diethyl Ether	0.670	0.562	0.548	0.483	0.529	0.518	0.552	11.64
9) T	1,1,2-Trichlor...	0.722	0.690	0.683	0.589	0.677	0.656	0.669	6.72
10) T	Methyl Iodide		0.739	0.817	0.747	0.887	0.757	0.789	7.93
11) T	Tert butyl alc...		0.314	0.277	0.235	0.265	0.292	0.276	10.77
12) CM	1,1-Dichloroet...	1.013	0.766	0.656	0.590	0.680	0.608	0.719	21.82#
13) T	Acrolein		0.102	0.099	0.097	0.111	0.095	0.101	6.27
14) T	Allyl chloride	1.793	1.497	1.557	1.400	1.600	1.587	1.572	8.30
15) T	Acrylonitrile	0.655	0.615	0.636	0.568	0.663	0.589	0.621	6.02
16) T	Acetone	0.690	0.526	0.525	0.468	0.539	0.509	0.543	14.05
17) T	Carbon Disulfide	2.247	1.785	1.754	1.584	1.837	1.628	1.806	13.10
18) T	Methyl Acetate	1.805	1.725	1.760	1.465	1.652	1.710	1.686	7.11
19) T	Methyl tert-bu...	2.869	2.870	2.858	2.495	2.901	2.660	2.775	5.85
20) T	Methylene Chlo...	1.294	0.979	0.868	0.747	0.847	0.847	0.930	20.72
21) T	trans-1,2-Dich...	1.045	0.854	0.724	0.660	0.741	0.687	0.785	18.30
22) T	Diisopropyl ether	3.277	3.295	3.192	2.890	3.274	3.017	3.157	5.29
23) T	Vinyl Acetate	2.782	2.763	2.874	2.626	3.002	2.662	2.785	4.97
24) P	1,1-Dichloroet...	1.761	1.596	1.587	1.400	1.618	1.507	1.578	7.61
25) T	2-Butanone	0.962	0.871	0.925	0.829	0.945	0.877	0.901	5.65
26) T	2,2-Dichloropr...	1.551	1.386	1.371	1.177	1.368	1.312	1.361	8.88
27) T	cis-1,2-Dichlo...	1.149	0.929	0.865	0.822	0.928	0.862	0.926	12.64
28) T	Bromochloromet...	0.785	0.702	0.489	0.417	0.476	0.398	0.544	29.45
29) T	Tetrahydrofuran	0.622	0.569	0.616	0.554	0.626	0.568	0.593	5.41
30) C	Chloroform	1.400	1.478	1.505	1.341	1.550	1.467	1.457	5.17#
31) T	Cyclohexane		1.731	1.499	1.308	1.475	1.516	1.506	10.01
32) T	1,1,1-Trichlor...	1.420	1.299	1.290	1.129	1.320	1.208	1.278	7.81
33) S	1,2-Dichloroet...		0.869	0.852	0.800	0.894	0.827	0.848	4.27
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.329	0.332	0.328	0.354	0.317	0.332	4.07
36) T	1,1-Dichloropr...	0.708	0.592	0.558	0.530	0.598	0.542	0.588	11.02
37) T	Ethyl Acetate	0.958	0.907	0.890	0.869	0.984	0.840	0.908	5.99
38) T	Carbon Tetrach...	0.566	0.551	0.544	0.505	0.572	0.519	0.543	4.83
39) T	Methylcyclohexane	0.695	0.718	0.692	0.666	0.755	0.668	0.699	4.77
40) TM	Benzene	1.859	1.851	1.787	1.703	1.914	1.794	1.818	4.01
41) T	Methacrylonitrile	0.402	0.424	0.489	0.403	0.464	0.452	0.439	8.04
42) TM	1,2-Dichloroet...	0.649	0.660	0.616	0.588	0.655	0.575	0.624	5.87
43) T	Isopropyl Acetate	1.480	1.441	1.436	1.330	1.515	1.331	1.422	5.39
44) TM	Trichloroethene	0.447	0.428	0.372	0.350	0.412	0.352	0.393	10.42
45) C	1,2-Dichloropr...	0.508	0.534	0.495	0.461	0.518	0.481	0.500	5.23#
46) T	Dibromomethane	0.332	0.330	0.304	0.288	0.327	0.296	0.313	6.20
47) T	Bromodichlorom...	0.594	0.632	0.605	0.578	0.669	0.603	0.613	5.26
48) T	Methyl methacr...	0.691	0.602	0.648	0.577	0.689	0.577	0.631	8.37
49) T	1,4-Dioxane	0.013	0.011	0.012	0.011	0.013	0.012	0.012	7.44
50) S	Toluene-d8		1.355	1.278	1.233	1.366	1.190	1.285	5.93
51) T	4-Methyl-2-Pen...	0.907	0.914	0.939	0.899	1.025	0.888	0.929	5.43
52) CM	Toluene	0.980	1.074	1.096	1.035	1.180	1.032	1.066	6.44#
53) T	t-1,3-Dichloro...	0.700	0.745	0.710	0.685	0.795	0.656	0.715	6.82
54) T	cis-1,3-Dichlo...	0.784	0.772	0.752	0.725	0.831	0.727	0.765	5.21
55) T	1,1,2-Trichlor...	0.500	0.446	0.441	0.418	0.479	0.426	0.452	7.04
56) T	Ethyl methacry...	0.729	0.848	0.817	0.770	0.908	0.767	0.807	8.03

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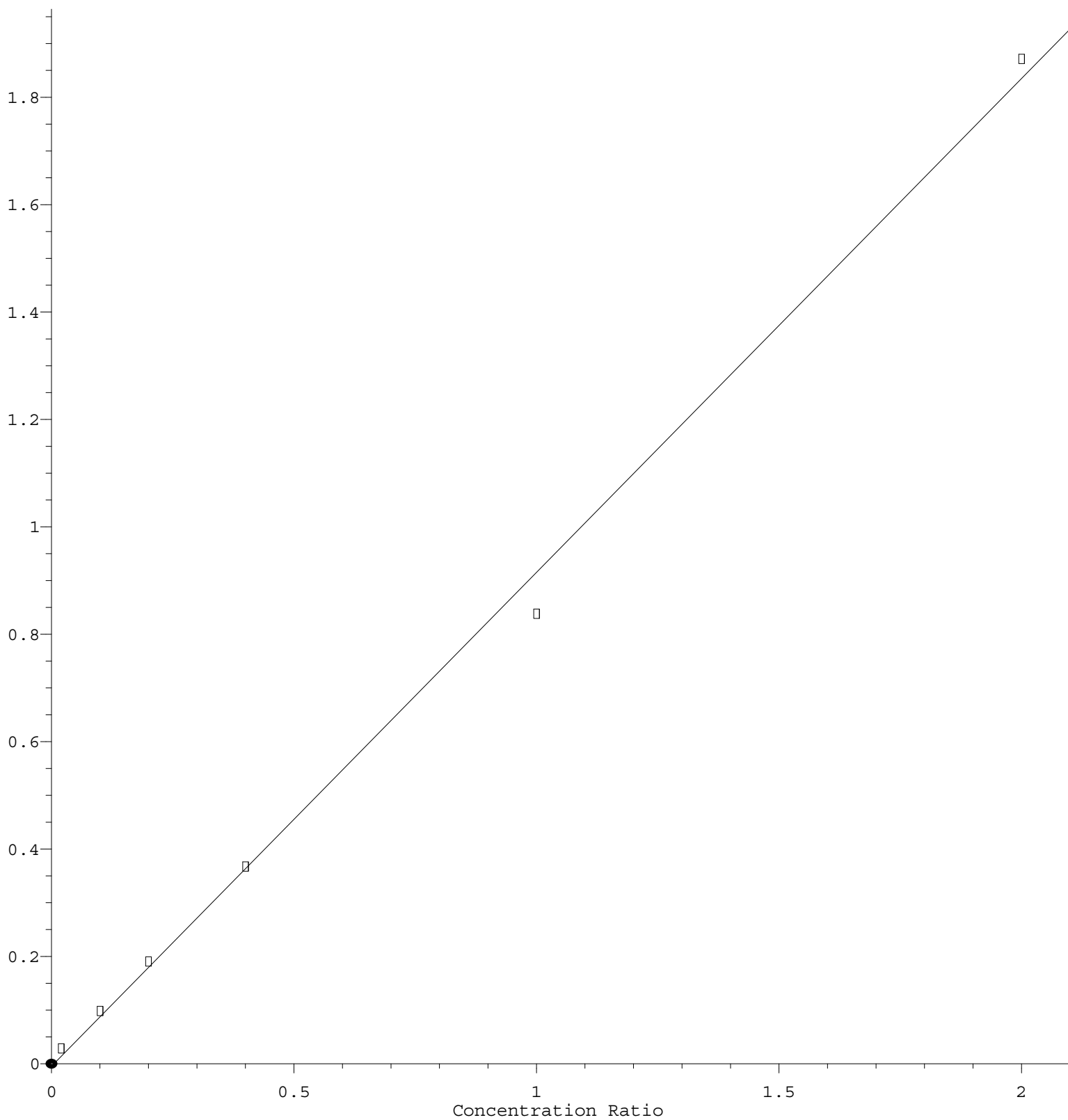
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57)	T	1,3-Dichloropr...	0.801	0.817	0.790	0.741	0.861	0.741	0.792	5.82
58)	T	2-Chloroethyl ...	0.341	0.361	0.346	0.350	0.398	0.335	0.355	6.41
59)	T	2-Hexanone	0.686	0.684	0.717	0.690	0.798	0.680	0.709	6.40
60)	T	Dibromochlorom...	0.425	0.435	0.434	0.415	0.482	0.402	0.432	6.35
61)	T	1,2-Dibromoethane	0.418	0.451	0.427	0.424	0.486	0.426	0.439	5.93
62)	S	4-Bromofluorob...		0.409	0.439	0.448	0.515	0.389	0.440	10.89
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.403	0.367	0.323	0.307	0.338	0.321	0.343	10.40
65)	PM	Chlorobenzene	1.332	1.319	1.230	1.154	1.295	1.202	1.255	5.65
66)	T	1,1,1,2-Tetrac...	0.495	0.466	0.445	0.421	0.471	0.439	0.456	5.76
67)	C	Ethyl Benzene	2.190	2.396	2.327	2.179	2.498	2.236	2.305	5.49#
68)	T	m/p-Xylenes	0.799	0.865	0.876	0.823	0.939	0.811	0.852	6.10
69)	T	o-Xylene	0.863	0.893	0.888	0.831	0.932	0.805	0.869	5.28
70)	T	Styrene	1.424	1.481	1.448	1.386	1.599	1.332	1.445	6.32
71)	P	Bromoform	0.301	0.349	0.336	0.329	0.372	0.325	0.335	7.14
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	5.349	5.320	5.260	4.614	5.119	5.056	5.120	5.33
74)	T	N-amyl acetate	3.616	3.425	3.202	2.780	3.123	3.061	3.201	9.11
75)	P	1,1,2,2-Tetrac...	2.387	2.268	2.032	1.753	1.915	1.955	2.052	11.47
76)	T	1,2,3-Trichlor...	1.781	1.598	1.543	1.328	1.475	1.509	1.539	9.69
77)	T	Bromobenzene	1.234	1.158	1.085	0.964	1.072	1.049	1.094	8.50
78)	T	n-propylbenzene	6.325	6.225	6.191	5.643	6.341	5.861	6.098	4.63
79)	T	2-Chlorotoluene	3.936	3.838	3.683	3.268	3.630	3.485	3.640	6.63
80)	T	1,3,5-Trimethy...	4.174	4.374	4.369	3.842	4.248	4.033	4.173	4.95
81)	T	trans-1,4-Dich...		0.716	0.743	0.653	0.740	0.713	0.713	5.10
82)	T	4-Chlorotoluene	3.816	3.508	3.464	3.145	3.600	3.226	3.460	7.11
83)	T	tert-Butylbenzene	3.973	4.075	3.822	3.410	3.759	3.750	3.798	6.04
84)	T	1,2,4-Trimethy...	4.288	4.519	4.306	3.819	4.277	3.991	4.200	5.99
85)	T	sec-Butylbenzene	5.260	5.293	5.291	4.882	5.492	5.074	5.215	4.04
86)	T	p-Isopropyltol...	4.021	4.026	4.115	3.889	4.392	3.952	4.066	4.36
87)	T	1,3-Dichlorobe...	2.243	2.074	1.988	1.823	2.048	1.881	2.010	7.43
88)	T	1,4-Dichlorobe...	2.412	2.033	1.961	1.781	2.047	1.885	2.020	10.70
89)	T	n-Butylbenzene	3.692	3.634	3.709	3.525	4.177	3.250	3.665	8.26
90)	T	Hexachloroethane	0.985	0.934	0.861	0.796	0.870	0.861	0.885	7.45
91)	T	1,2-Dichlorobe...	2.403	2.149	2.094	1.834	2.070	1.960	2.085	9.21
92)	T	1,2-Dibromo-3-...	0.514	0.519	0.432	0.400	0.439	0.414	0.453	11.23
93)	T	1,2,4-Trichlor...	1.195	0.955	0.965	0.907	1.085	0.853	0.993	12.63
94)	T	Hexachlorobuta...	0.509	0.492	0.408	0.379	0.440	0.392	0.437	12.32
95)	T	Naphthalene	5.416	3.775	4.024	3.853	4.456	3.702	4.204	15.51
96)	T	1,2,3-Trichlor...	1.370	0.930	0.984	0.938	1.066	0.904	1.032	16.99

(#) = Out of Range

Chloromethane

Response Ratio



$$\text{Response} = 9.201\text{e-}001 * \text{Amt} - 4.755\text{e-}003$$

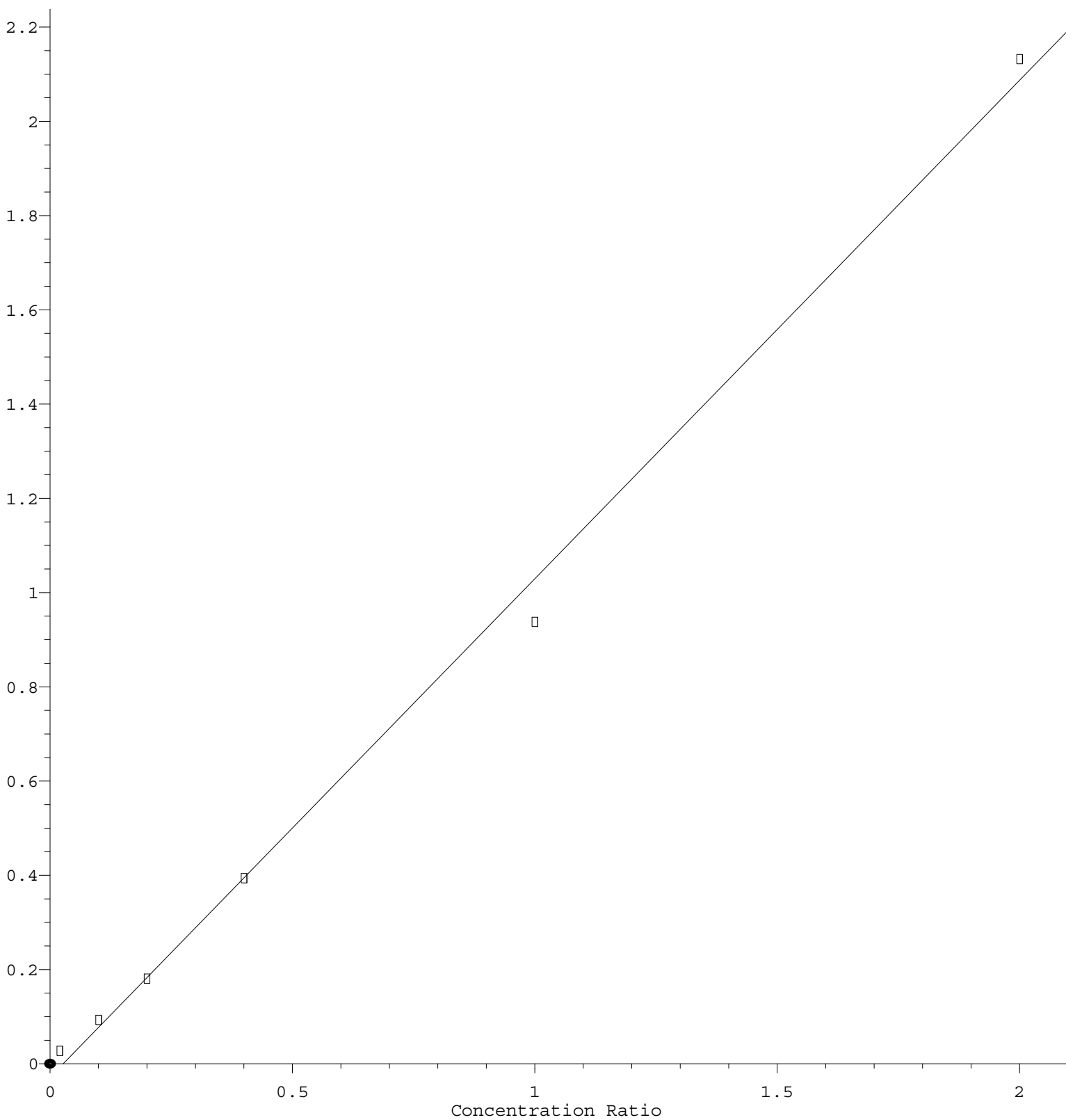
Coef of Det (r^2) = 0.996861 Curve Fit: Linear

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1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 1.058\text{e}+000 * \text{Amt} - 2.827\text{e}-002$$

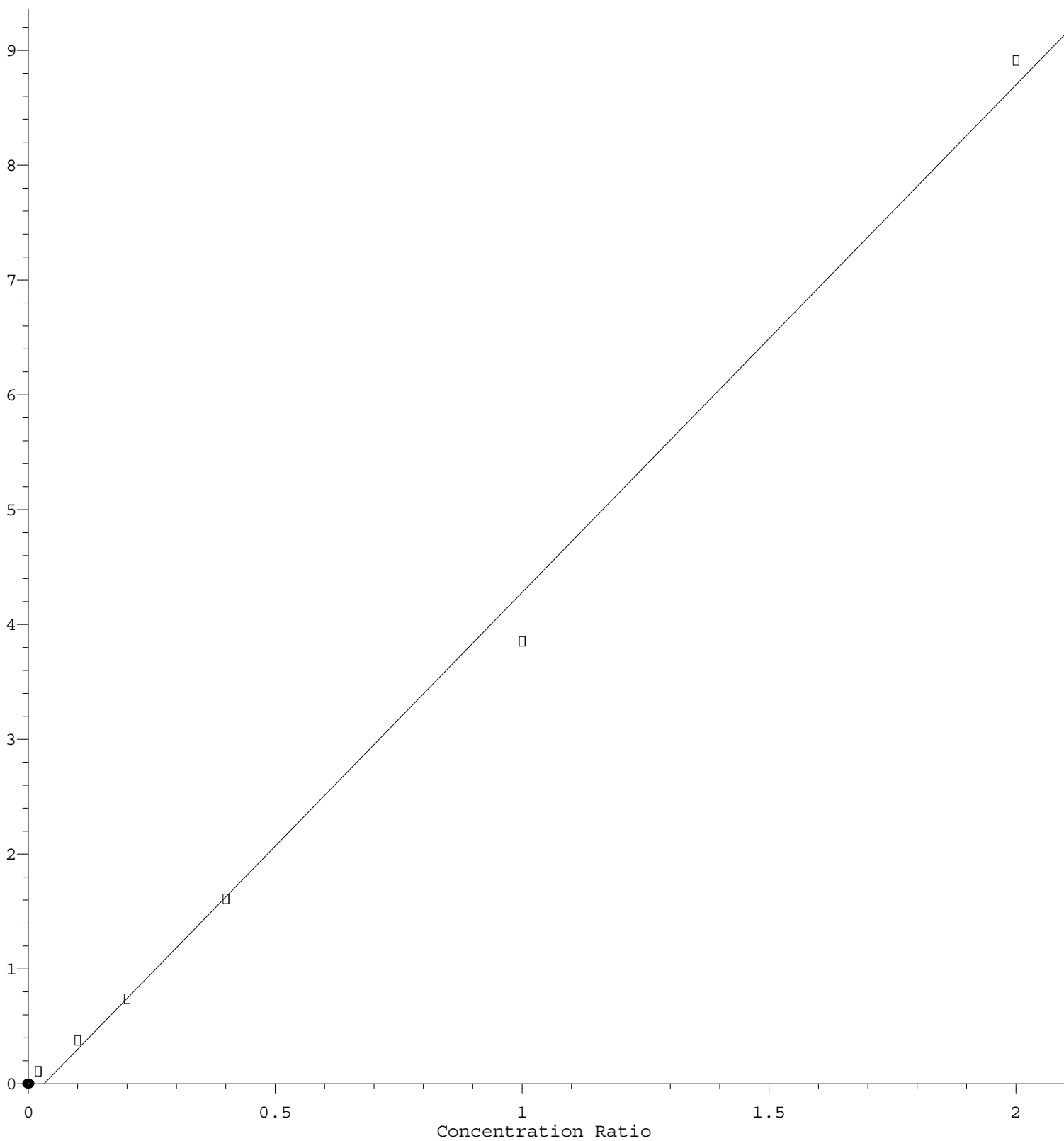
Coef of Det (r^2) = 0.996354 Curve Fit: Linear

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Naphthalene

Response Ratio



$$\text{Response} = 4.420\text{e}+000 * \text{Amt} - 1.405\text{e}-001$$

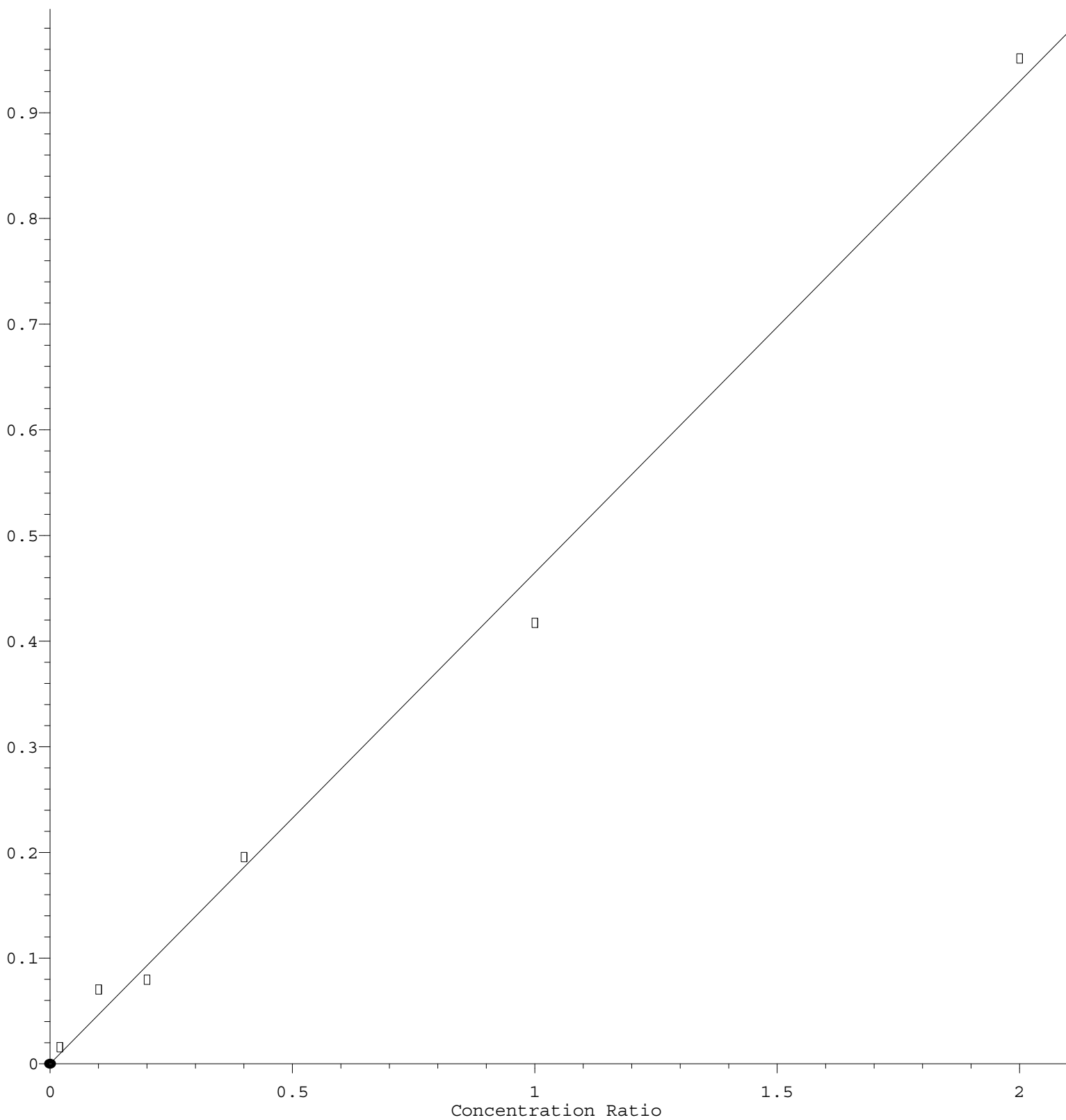
Coef of Det (r^2) = 0.995456 Curve Fit: Linear

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Bromochloromethane

Response Ratio



$$\text{Response} = 4.646\text{e-}001 * \text{Amt} + 2.322\text{e-}004$$

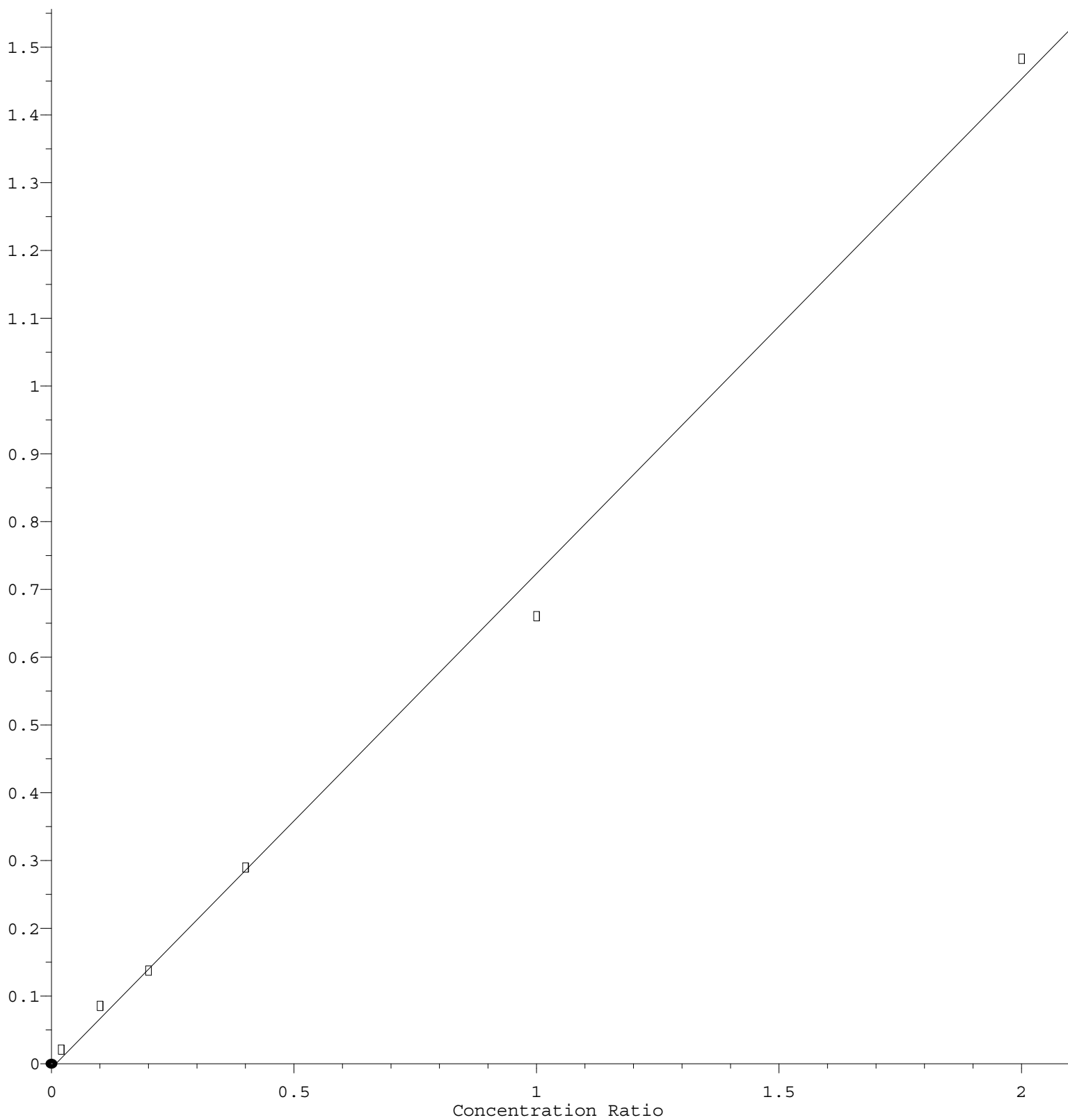
Coef of Det (r^2) = 0.994264 Curve Fit: Linear

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trans-1,2-Dichloroethene

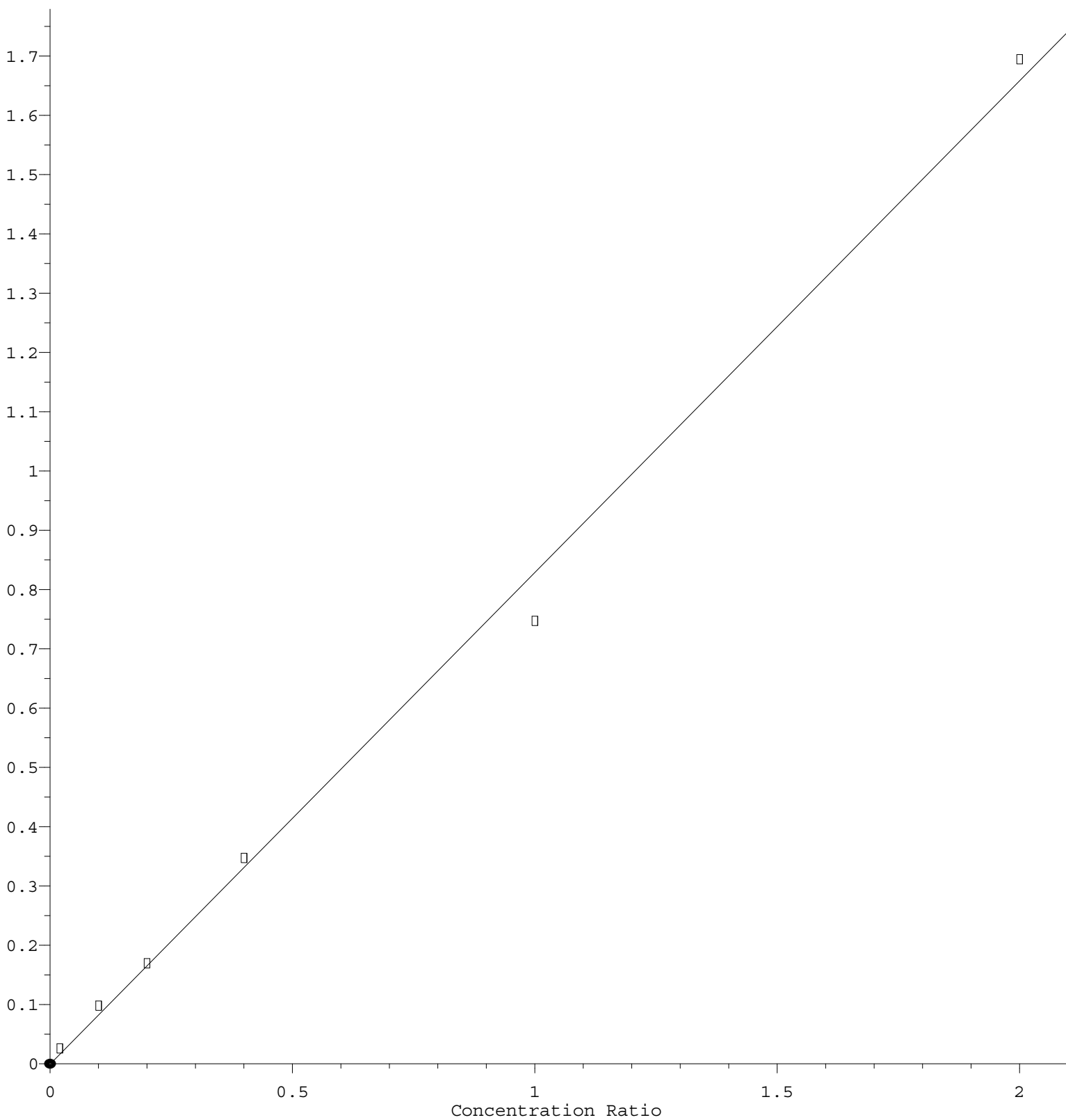
Response Ratio



Response = 7.296e-001 * Amt - 6.260e-003
Coef of Det (r^2) = 0.996531 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N091522W.M
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Methylene Chloride

Response Ratio



$$\text{Response} = 8.293\text{e-}001 * \text{Amt} - 5.113\text{e-}004$$

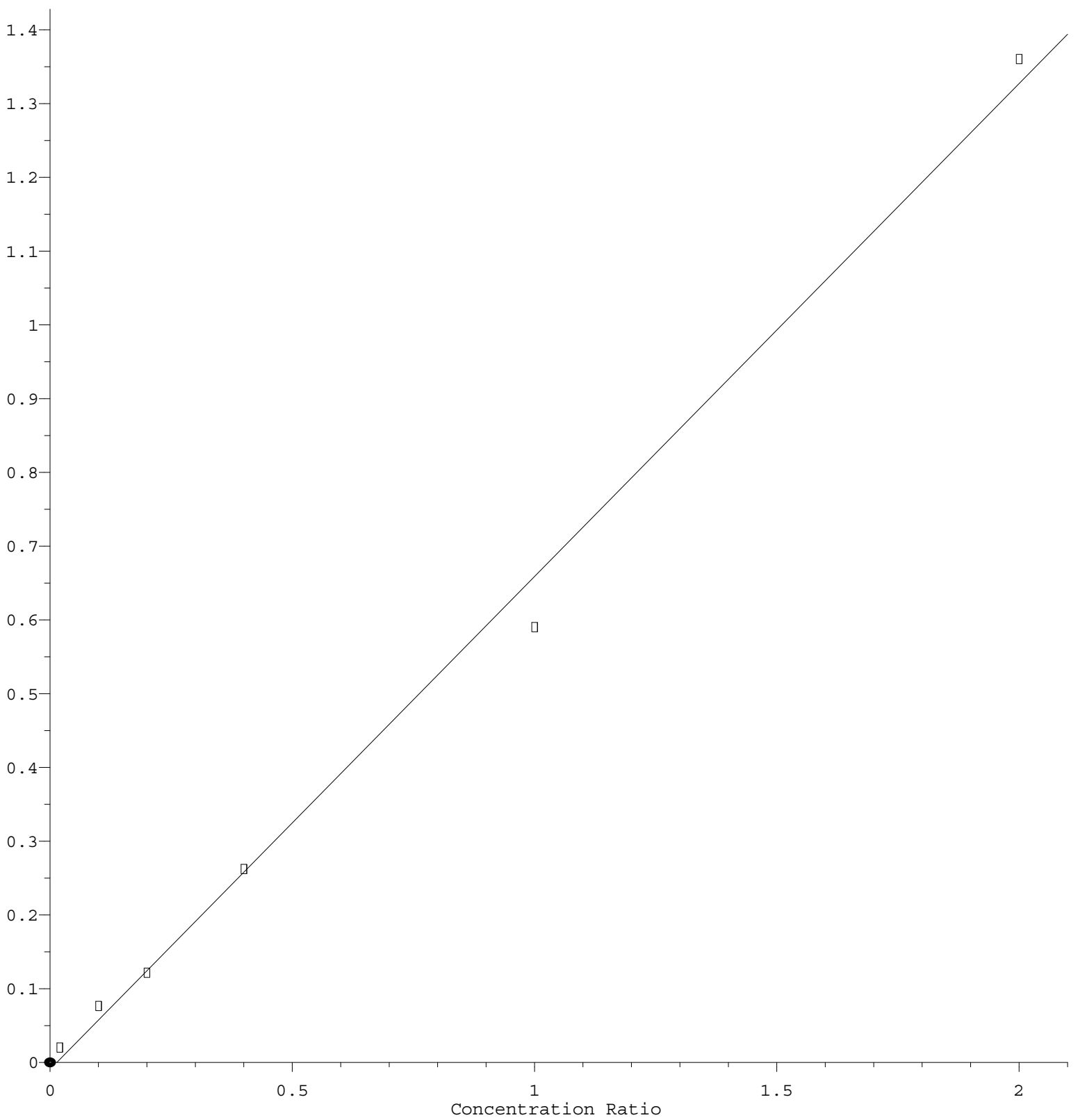
Coef of Det (r^2) = 0.995702 Curve Fit: Linear

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1,1-Dichloroethene

Response Ratio



Response = 6.683e-001 * Amt - 9.150e-003
 Coef of Det (r^2) = 0.995031 Curve Fit: Linear
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