

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N020624W.M
 Title : SW846 8260
 Last Update : Wed Feb 07 06:22:23 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN080924.D 5 =VN080923.D 10 =VN080922.D 20 =VN080921.D 50 =VN080920.D 100 =VN080919.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.607	0.579	0.540	0.520	0.605	0.548	0.566	6.33
3) P	Chloromethane	1.194	0.730	0.629	0.592	0.615	0.573	0.722	32.90
4) C	Vinyl Chloride	0.829	0.826	0.674	0.679	0.725	0.707	0.740	9.53#
5) T	Bromomethane		0.590	0.455	0.461	0.449	0.425	0.476	13.70
6) T	Chloroethane	0.608	0.613	0.468	0.481	0.483	0.477	0.522	13.28
7) T	Trichlorofluor...	1.033	1.042	0.898	0.899	0.997	0.942	0.969	6.66
8) T	Diethyl Ether	0.407	0.347	0.321	0.319	0.350	0.331	0.346	9.43
9) T	1,1,2-Trichlor...	0.644	0.560	0.504	0.475	0.557	0.530	0.545	10.67
10) T	Methyl Iodide		0.556	0.489	0.482	0.565	0.543	0.527	7.35
11) T	Tert butyl alc...		0.096	0.089	0.081	0.089	0.079	0.087	7.59
12) CM	1,1-Dichloroet...	0.655	0.552	0.475	0.480	0.542	0.513	0.536	12.37#
13) T	Acrolein		0.119	0.109	0.099	0.119	0.101	0.110	8.69
14) T	Allyl chloride	0.775	0.712	0.660	0.705	0.716	0.693	0.710	5.29
15) T	Acrylonitrile	0.243	0.249	0.229	0.226	0.247	0.231	0.238	4.22
16) T	Acetone	0.264	0.230	0.198	0.196	0.191	0.166	0.208	16.55
17) T	Carbon Disulfide	1.576	1.419	1.261	1.239	1.328	1.290	1.352	9.38
18) T	Methyl Acetate	1.157	0.959	0.617	0.792	0.632	0.587	0.791	28.82
19) T	Methyl tert-bu...	1.876	1.811	1.702	1.653	1.874	1.798	1.786	5.10
20) T	Methylene Chlo...	0.815	0.647	0.579	0.552	0.604	0.576	0.629	15.39
21) T	trans-1,2-Dich...	0.704	0.624	0.556	0.557	0.593	0.577	0.602	9.30
22) T	Diisopropyl ether	1.680	1.637	1.550	1.526	1.700	1.785	1.646	5.89
23) T	Vinyl Acetate	0.926	0.957	1.106	0.907	1.266	1.348	1.085	17.27
24) P	1,1-Dichloroet...	1.201	1.070	0.990	0.952	1.063	1.159	1.072	8.89
25) T	2-Butanone	0.389	0.356	0.302	0.332	0.316	0.303	0.333	10.32
26) T	2,2-Dichloropr...	1.061	0.949	0.868	0.899	1.019	1.086	0.980	9.04
27) T	cis-1,2-Dichlo...	0.715	0.704	0.643	0.645	0.722	0.767	0.699	6.88
28) T	Bromochloromet...	0.530	0.482	0.400	0.387	0.457	0.421	0.446	12.16
29) T	Tetrahydrofuran	0.223	0.200	0.194	0.213	0.204	0.189	0.204	6.14
30) C	Chloroform	1.331	1.136	1.085	1.229	1.188	1.139	1.185	7.32#
31) T	Cyclohexane		1.042	0.802	0.869	0.826	0.771	0.862	12.38
32) T	1,1,1-Trichlor...	1.054	0.991	0.950	1.038	1.091	1.037	1.027	4.80
33) S	1,2-Dichloroet...		0.699	0.593	0.546	0.706	0.610	0.631	11.01
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.261	0.270	0.229	0.274	0.307	0.268	10.43
36) T	1,1-Dichloropr...	0.348	0.365	0.415	0.394	0.406	0.467	0.399	10.42
37) T	Ethyl Acetate	0.277	0.266	0.331	0.279	0.315	0.345	0.302	10.84
38) T	Carbon Tetrach...	0.340	0.347	0.403	0.433	0.435	0.498	0.409	14.65
39) T	Methylcyclohexane	0.436	0.424	0.396	0.467	0.477	0.469	0.445	7.12
40) TM	Benzene	1.071	1.086	1.228	1.150	1.366	1.388	1.215	11.31
41) T	Methacrylonitrile	0.187	0.168	0.200	0.153	0.180	0.192	0.180	9.59
42) TM	1,2-Dichloroet...	0.398	0.393	0.445	0.379	0.449	0.474	0.423	8.99
43) T	Isopropyl Acetate	0.455	0.506	0.593	0.534	0.613	0.631	0.555	12.32
44) TM	Trichloroethene	0.424	0.333	0.324	0.392	0.369	0.372	0.369	10.09
45) C	1,2-Dichloropr...	0.352	0.307	0.292	0.337	0.342	0.336	0.328	7.08#
46) T	Dibromomethane	0.243	0.234	0.234	0.245	0.250	0.248	0.242	2.88
47) T	Bromodichlorom...	0.469	0.419	0.450	0.498	0.489	0.520	0.474	7.64
48) T	Methyl methacr...	0.363	0.301	0.265	0.360	0.299	0.289	0.313	12.76
49) T	1,4-Dioxane	0.008	0.005	0.005	0.006	0.006	0.005	0.006	16.55
50) S	Toluene-d8		0.920	0.927	0.931	0.978	1.096	0.970	7.61
51) T	4-Methyl-2-Pen...	0.328	0.289	0.335	0.364	0.331	0.361	0.335	8.15
52) CM	Toluene	0.892	0.667	0.762	0.869	0.789	0.903	0.814	11.25#
53) T	t-1,3-Dichloro...	0.393	0.363	0.450	0.514	0.473	0.559	0.459	16.04
54) T	cis-1,3-Dichlo...	0.509	0.412	0.496	0.565	0.517	0.591	0.515	12.06
55) T	1,1,2-Trichlor...	0.309	0.255	0.313	0.348	0.310	0.352	0.315	11.11
56) T	Ethyl methacry...	0.304	0.249	0.401	0.356	0.443	0.504	0.376	24.75

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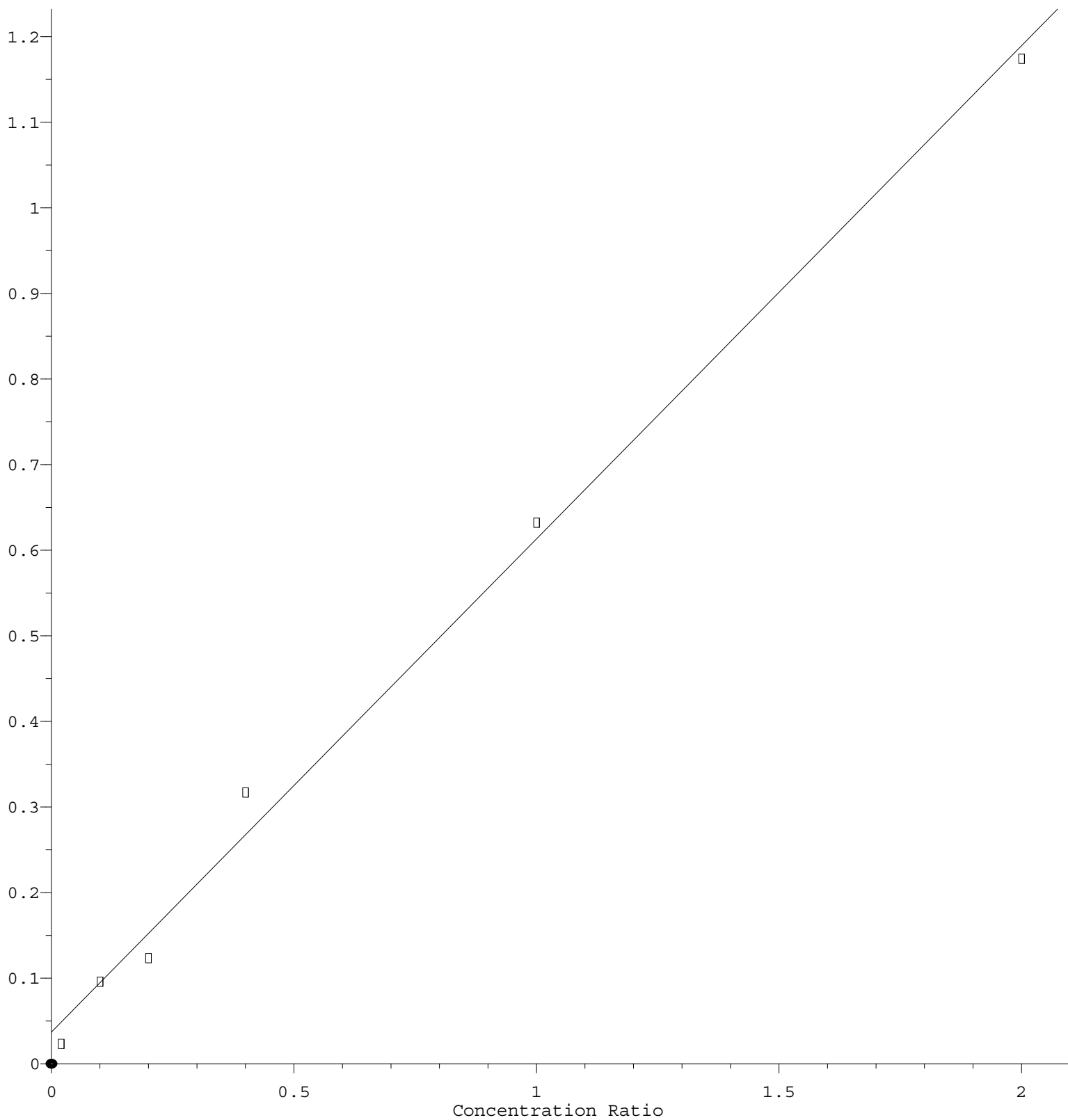
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57)	T	1,3-Dichloropr...	0.455	0.431	0.515	0.578	0.506	0.577	0.510	11.88
58)	T	2-Chloroethyl ...	0.193	0.202	0.219	0.237	0.252	0.267	0.228	12.58
59)	T	2-Hexanone	0.213	0.228	0.250	0.312	0.248	0.270	0.254	13.63
60)	T	Dibromochlorom...	0.231	0.270	0.322	0.369	0.342	0.395	0.321	19.14
61)	T	1,2-Dibromoethane	0.266	0.275	0.314	0.354	0.316	0.357	0.314	12.11
62)	S	4-Bromofluorob...		0.318	0.310	0.327	0.358	0.450	0.353	16.34
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.501	0.373	0.322	0.410	0.356	0.303	0.377	18.88
65)	PM	Chlorobenzene	1.076	1.038	0.973	1.106	1.046	1.049	1.048	4.23
66)	T	1,1,1,2-Tetrac...	0.319	0.357	0.350	0.406	0.393	0.444	0.378	11.93
67)	C	Ethyl Benzene	1.686	1.739	1.623	1.908	1.858	2.017	1.805	8.20#
68)	T	m/p-Xylenes	0.631	0.658	0.609	0.720	0.714	0.782	0.686	9.41
69)	T	o-Xylene	0.677	0.621	0.594	0.699	0.704	0.698	0.665	7.04
70)	T	Styrene	0.793	0.868	0.954	1.024	1.174	1.180	0.999	15.88
71)	P	Bromoform	0.225	0.228	0.217	0.280	0.279	0.292	0.253	13.30
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.623	3.772	3.717	4.111	4.068	4.041	3.889	5.37
74)	T	N-amyl acetate	1.479	1.377	1.345	1.408	1.452	1.349	1.402	3.92
75)	P	1,1,2,2-Tetrac...	1.375	1.183	1.224	1.217	1.184	1.076	1.210	7.99
76)	T	1,2,3-Trichlor...	1.069	0.939	1.045	1.054	1.043	0.967	1.019	5.19
77)	T	Bromobenzene	1.025	0.955	0.877	1.042	0.982	1.006	0.981	6.08
78)	T	n-propylbenzene	4.091	4.288	4.101	4.565	4.623	4.675	4.390	6.03
79)	T	2-Chlorotoluene	2.782	2.774	2.649	2.815	2.830	2.795	2.774	2.33
80)	T	1,3,5-Trimethy...	3.051	3.027	2.962	3.334	3.327	3.263	3.161	5.25
81)	T	trans-1,4-Dich...		0.311	0.341	0.353	0.442	0.429	0.375	15.28
82)	T	4-Chlorotoluene	2.747	2.769	2.648	2.772	2.903	2.770	2.768	2.94
83)	T	tert-Butylbenzene	2.508	2.571	2.509	2.825	2.814	2.938	2.694	6.95
84)	T	1,2,4-Trimethy...	2.757	2.974	2.999	3.353	3.376	3.430	3.148	8.74
85)	T	sec-Butylbenzene	3.093	3.482	3.525	3.715	3.928	3.979	3.620	9.07
86)	T	p-Isopropyltol...	2.685	2.837	2.891	3.279	3.311	3.354	3.060	9.43
87)	T	1,3-Dichlorobe...	1.736	1.706	1.624	1.808	1.788	1.821	1.747	4.27
88)	T	1,4-Dichlorobe...	1.850	1.742	1.638	1.840	1.775	1.794	1.773	4.38
89)	T	n-Butylbenzene	2.726	2.604	2.426	2.752	2.825	2.882	2.703	6.10
90)	T	Hexachloroethane	0.465	0.466	0.431	0.524	0.515	0.494	0.482	7.27
91)	T	1,2-Dichlorobe...	1.695	1.564	1.632	1.766	1.690	1.698	1.674	4.10
92)	T	1,2-Dibromo-3-...	0.282	0.215	0.229	0.213	0.225	0.193	0.226	13.25
93)	T	1,2,4-Trichlor...	0.905	0.818	0.899	0.650	0.891	0.806	0.828	11.75
94)	T	Hexachlorobuta...	0.400	0.377	0.395	0.289	0.362	0.330	0.359	11.82
95)	T	Naphthalene	2.684	2.642	3.128	2.242	3.064	2.646	2.734	11.85
96)	T	1,2,3-Trichlor...	0.905	0.781	0.933	0.642	0.873	0.755	0.815	13.43

(#) = Out of Range

Methyl Acetate

Response Ratio



$$\text{Response} = 5.768\text{e-}001 * \text{Amt} + 3.660\text{e-}002$$

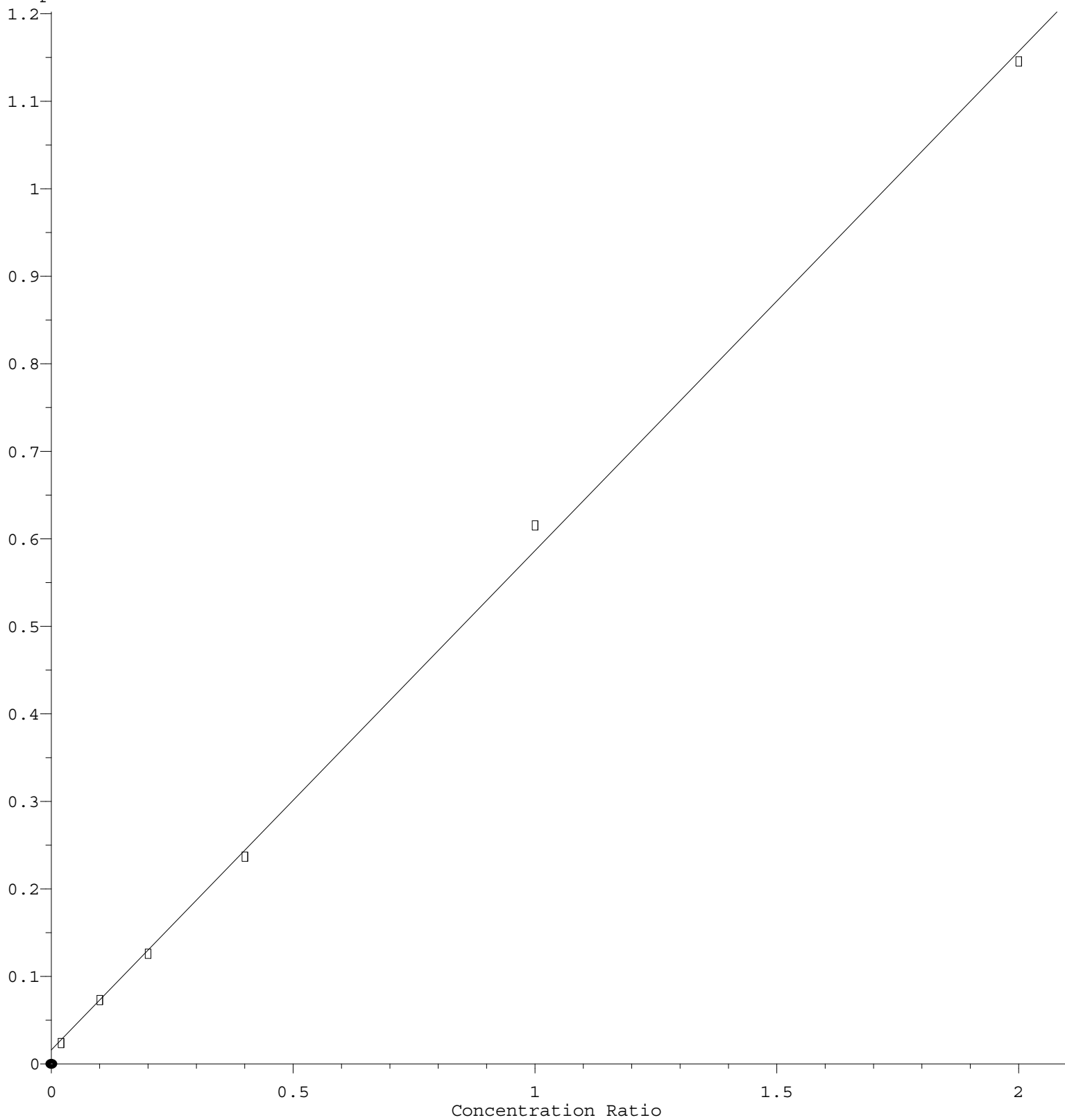
Coef of Det (r^2) = 0.995354 Curve Fit: Linear

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Chloromethane

Response Ratio



$$\text{Response} = 5.707\text{e-}001 * \text{Amt} + 1.620\text{e-}002$$

Coef of Det (r^2) = 0.998892 Curve Fit: Linear

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