

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N083024W.M
 Title : SW846 8260
 Last Update : Sat Aug 31 00:48:10 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN083569.D 5 =VN083568.D 10 =VN083567.D 20 =VN083566.D 50 =VN083565.D 100 =VN083564.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.441	0.486	0.540	0.591	0.565	0.553	0.529	10.50
3) P	Chloromethane	0.654	0.592	0.617	0.666	0.583	0.588	0.616	5.79
4) C	Vinyl Chloride	0.551	0.604	0.619	0.700	0.619	0.608	0.617	7.77#
5) T	Bromomethane		0.339	0.340	0.347	0.296	0.300	0.324	7.47
6) T	Chloroethane	0.329	0.420	0.437	0.442	0.402	0.389	0.403	10.25
7) T	Trichlorofluor...	0.904	0.954	1.020	1.183	1.017	1.017	1.016	9.27
8) T	Diethyl Ether	0.319	0.352	0.362	0.416	0.365	0.364	0.363	8.60
9) T	1,1,2-Trichlor...	0.413	0.542	0.550	0.661	0.567	0.573	0.551	14.48
10) T	Methyl Iodide		0.657	0.729	0.838	0.744	0.758	0.745	8.74
11) T	Tert butyl alc...		0.107	0.107	0.126	0.103	0.102	0.109	9.12
12) CM	1,1-Dichloroet...	0.526	0.515	0.538	0.625	0.539	0.543	0.548	7.15#
13) T	Acrolein		0.119	0.098	0.108	0.095	0.095	0.103	10.05
14) T	Allyl chloride	0.900	0.950	0.941	1.122	0.969	0.977	0.977	7.82
15) T	Acrylonitrile	0.239	0.259	0.268	0.313	0.267	0.267	0.269	9.03
16) T	Acetone	0.238	0.248	0.266	0.314	0.289	0.316	0.279	11.92
17) T	Carbon Disulfide	1.865	1.469	1.516	1.718	1.513	1.496	1.596	9.99
18) T	Methyl Acetate	0.865	0.801	0.713	0.784	0.662	0.621	0.741	12.41
19) T	Methyl tert-bu...	1.733	1.860	1.912	2.242	1.934	1.977	1.943	8.70
20) T	Methylene Chlo...	0.645	0.617	0.578	0.669	0.591	0.592	0.615	5.75
21) T	trans-1,2-Dich...	0.559	0.526	0.577	0.643	0.556	0.562	0.571	6.83
22) T	Diisopropyl ether	1.690	1.804	1.908	2.217	1.943	1.992	1.926	9.30
23) T	Vinyl Acetate	1.169	1.339	1.414	1.653	1.456	1.531	1.427	11.61
24) P	1,1-Dichloroet...	1.007	1.059	1.085	1.249	1.083	1.107	1.098	7.40
25) T	2-Butanone	0.318	0.367	0.388	0.437	0.376	0.391	0.379	10.18
26) T	2,2-Dichloropr...	0.856	0.936	0.992	1.198	1.077	1.076	1.022	11.79
27) T	cis-1,2-Dichlo...	0.577	0.669	0.666	0.793	0.687	0.694	0.681	10.16
28) T	Bromochloromet...	0.588	0.547	0.442	0.519	0.494	0.487	0.513	9.90
29) T	Tetrahydrofuran	0.209	0.231	0.233	0.271	0.232	0.236	0.235	8.51
30) C	Chloroform	1.049	1.108	1.130	1.335	1.145	1.175	1.157	8.37#
31) T	Cyclohexane		1.168	1.064	1.173	1.004	0.996	1.081	7.92
32) T	1,1,1-Trichlor...	0.843	0.987	1.037	1.236	1.079	1.095	1.046	12.42
33) S	1,2-Dichloroet...		0.561	0.719	0.756	0.739	0.719	0.699	11.27
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.281	0.296	0.309	0.309	0.310	0.301	4.19
36) T	1,1-Dichloropr...	0.386	0.459	0.440	0.518	0.464	0.486	0.459	9.72
37) T	Ethyl Acetate	0.461	0.436	0.453	0.492	0.446	0.452	0.457	4.21
38) T	Carbon Tetrach...	0.435	0.488	0.524	0.604	0.533	0.559	0.524	11.12
39) T	Methylcyclohexane	0.439	0.480	0.540	0.647	0.584	0.614	0.551	14.50
40) TM	Benzene	1.254	1.363	1.401	1.579	1.419	1.456	1.412	7.58
41) T	Methacrylonitrile	0.255	0.248	0.258	0.286	0.251	0.266	0.261	5.29
42) TM	1,2-Dichloroet...	0.502	0.497	0.513	0.577	0.515	0.536	0.523	5.66
43) T	Isopropyl Acetate	1.958	1.109	1.039	1.043	0.845	0.920	1.152	35.22
44) TM	Trichloroethene	0.333	0.335	0.321	0.376	0.330	0.343	0.340	5.69
45) C	1,2-Dichloropr...	0.262	0.305	0.336	0.382	0.342	0.348	0.329	12.48#
46) T	Dibromomethane	0.222	0.232	0.241	0.270	0.241	0.250	0.243	6.76
47) T	Bromodichlorom...	0.454	0.486	0.508	0.584	0.519	0.549	0.517	8.93
48) T	Methyl methacr...	0.336	0.356	0.369	0.427	0.374	0.386	0.375	8.25
49) T	1,4-Dioxane	0.005	0.006	0.006	0.007	0.006	0.006	0.006	10.73
50) S	Toluene-d8		0.783	1.114	1.132	1.182	1.185	1.079	15.60
51) T	4-Methyl-2-Pen...	0.369	0.411	0.424	0.483	0.421	0.440	0.425	8.73
52) CM	Toluene	0.772	0.823	0.864	1.003	0.905	0.932	0.883	9.27#
53) T	t-1,3-Dichloro...	0.447	0.490	0.529	0.599	0.560	0.584	0.535	10.87
54) T	cis-1,3-Dichlo...	0.461	0.521	0.550	0.643	0.588	0.605	0.561	11.57
55) T	1,1,2-Trichlor...	0.272	0.303	0.306	0.359	0.320	0.331	0.315	9.31
56) T	Ethyl methacry...	0.401	0.487	0.511	0.609	0.542	0.579	0.521	14.11

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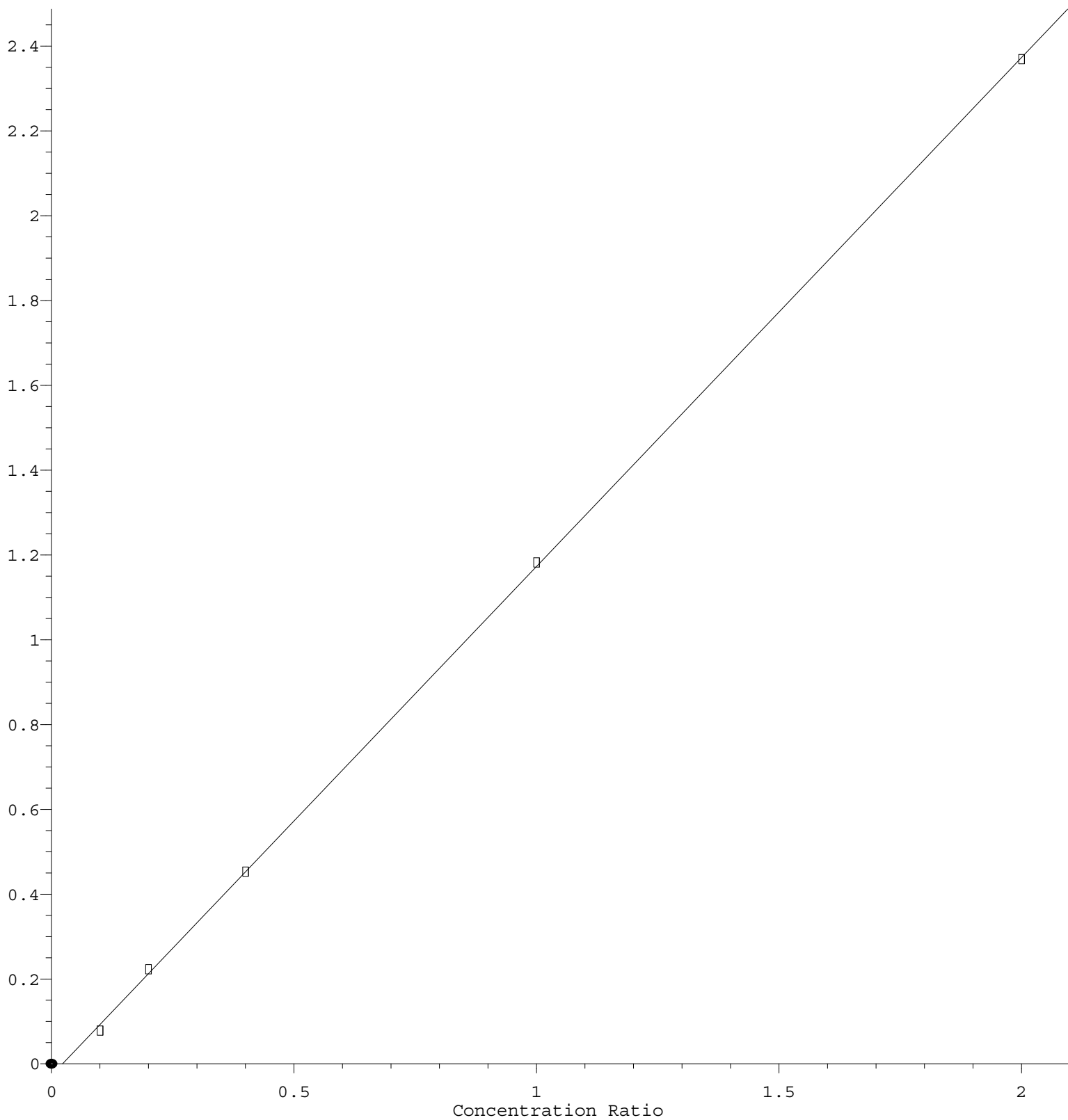
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57)	T	1,3-Dichloropr...	0.513	0.520	0.556	0.625	0.562	0.573	0.558	7.24
58)	T	2-Chloroethyl ...	0.169	0.228	0.219	0.253	0.240	0.252	0.227	13.82
59)	T	2-Hexanone	0.271	0.309	0.313	0.362	0.320	0.337	0.319	9.44
60)	T	Dibromochlorom...	0.290	0.336	0.365	0.427	0.377	0.396	0.365	13.04
61)	T	1,2-Dibromoethane	0.281	0.304	0.313	0.366	0.327	0.341	0.322	9.17
62)	S	4-Bromofluorob...	0.404	0.425	0.439	0.456	0.447	0.434		4.64
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.294	0.316	0.330	0.365	0.328	0.338	0.329	7.14
65)	PM	Chlorobenzene	1.154	1.055	1.090	1.237	1.092	1.099	1.121	5.80
66)	T	1,1,1,2-Tetrac...	0.316	0.369	0.371	0.433	0.388	0.394	0.379	10.14
67)	C	Ethyl Benzene	1.811	1.912	1.921	2.242	2.034	2.089	2.002	7.66#
68)	T	m/p-Xylenes	0.692	0.698	0.746	0.850	0.762	0.775	0.754	7.69
69)	T	o-Xylene	0.649	0.679	0.727	0.820	0.740	0.758	0.729	8.26
70)	T	Styrene	1.173	1.119	1.180	1.356	1.258	1.266	1.225	6.92
71)	P	Bromoform	0.230	0.252	0.258	0.305	0.284	0.289	0.270	10.38
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.683	3.842	4.031	4.522	4.037	4.167	4.047	7.12
74)	T	N-amyl acetate	1.648	1.790	1.702	1.971	1.683	1.745	1.757	6.62
75)	P	1,1,2,2-Tetrac...	1.133	1.153	1.146	1.287	1.085	1.089	1.149	6.41
76)	T	1,2,3-Trichlor...	1.013	1.176	0.874	1.110	0.941	0.943	1.009	11.32
77)	T	Bromobenzene	0.972	0.953	0.937	1.048	0.890	0.897	0.949	6.09
78)	T	n-propylbenzene	4.490	4.281	4.558	5.189	4.655	4.901	4.679	6.88
79)	T	2-Chlorotoluene	3.098	2.973	2.976	3.364	2.870	2.911	3.032	5.94
80)	T	1,3,5-Trimethy...	3.147	3.291	3.314	3.841	3.401	3.461	3.409	6.96
81)	T	trans-1,4-Dich...	0.386	0.427	0.468	0.418	0.442	0.428		7.05
82)	T	4-Chlorotoluene	3.348	2.889	3.069	3.343	2.912	2.920	3.080	6.99
83)	T	tert-Butylbenzene	2.807	2.860	3.015	3.422	3.032	3.050	3.031	7.11
84)	T	1,2,4-Trimethy...	3.195	3.215	3.378	3.885	3.433	3.484	3.432	7.31
85)	T	sec-Butylbenzene	3.665	3.697	3.972	4.561	4.090	4.187	4.029	8.29
86)	T	p-Isopropyltol...	3.135	3.015	3.314	3.766	3.429	3.531	3.365	8.10
87)	T	1,3-Dichlorobe...	2.112	1.730	1.791	1.995	1.721	1.709	1.843	9.21
88)	T	1,4-Dichlorobe...	2.308	1.800	1.831	2.009	1.716	1.699	1.894	12.22
89)	T	n-Butylbenzene	2.835	2.684	2.840	3.274	2.999	3.127	2.960	7.31
90)	T	Hexachloroethane	0.565	0.636	0.654	0.741	0.654	0.679	0.655	8.75
91)	T	1,2-Dichlorobe...	1.836	1.717	1.725	1.962	1.692	1.717	1.775	5.90
92)	T	1,2-Dibromo-3-...	0.245	0.242	0.253	0.278	0.239	0.238	0.249	6.07
93)	T	1,2,4-Trichlor...	1.205	0.932	0.920	1.065	0.939	0.977	1.006	10.98
94)	T	Hexachlorobuta...	0.408	0.382	0.401	0.437	0.389	0.400	0.403	4.73
95)	T	Naphthalene	3.655	2.945	3.084	3.567	3.093	3.059	3.234	9.22
96)	T	1,2,3-Trichlor...	1.246	0.928	0.943	1.077	0.924	0.915	1.005	13.18

(#) = Out of Range

Toluene-d8

Response Ratio



$$\text{Response} = 1.201\text{e}+000 * \text{Amt} - 2.739\text{e}-002$$

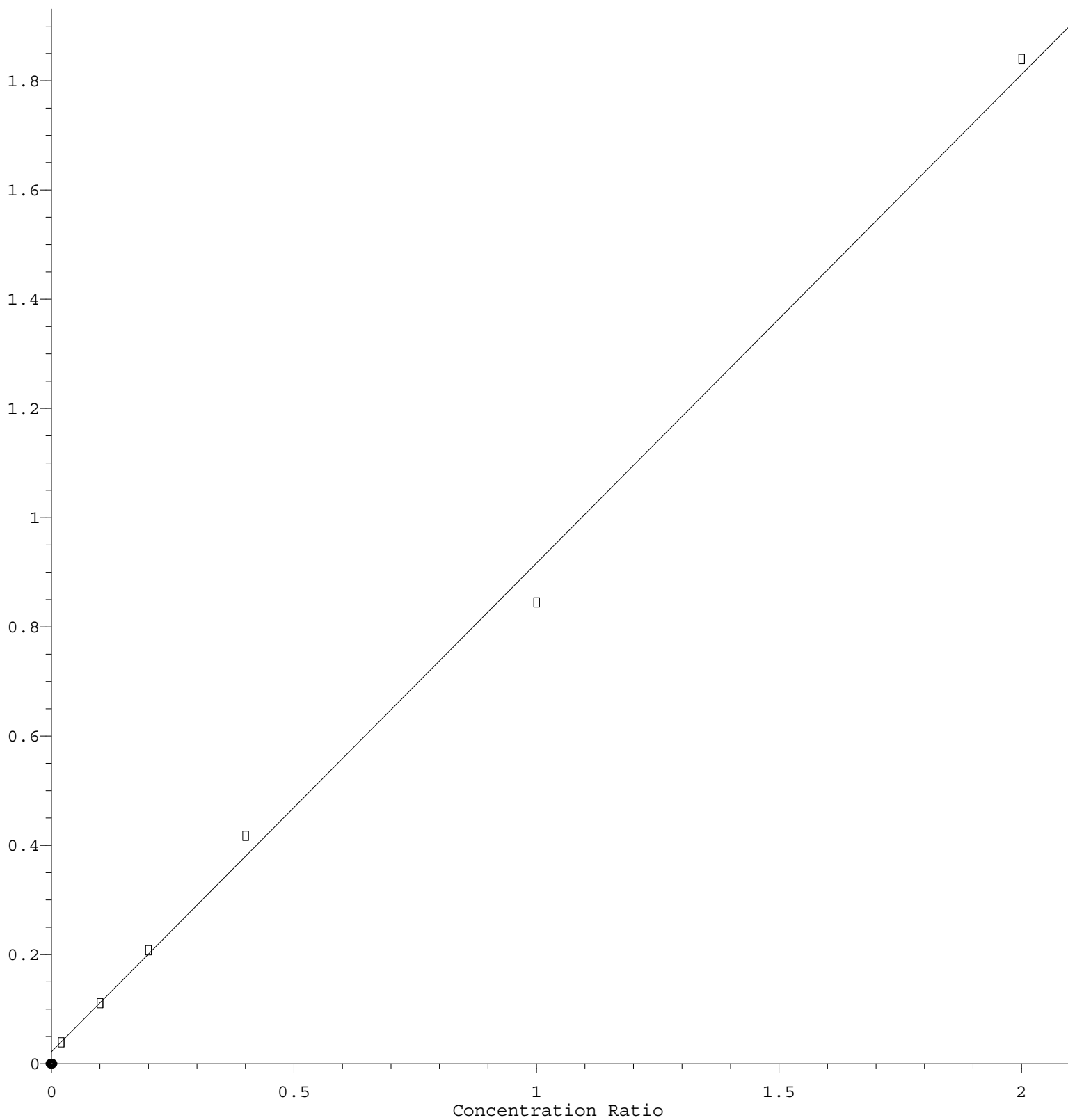
Coef of Det (r^2) = 0.999885 Curve Fit: Linear

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Isopropyl Acetate

Response Ratio



$$\text{Response} = 8.951\text{e-}001 * \text{Amt} + 2.165\text{e-}002$$

Coef of Det (r^2) = 0.996816 Curve Fit: Linear

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