

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N070824W.M
 Title : SW846 8260
 Last Update : Mon Jul 08 13:46:04 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN082818.D 5 =VN082817.D 10 =VN082816.D 20 =VN082815.D 50 =VN082814.D 100 =VN082813.D

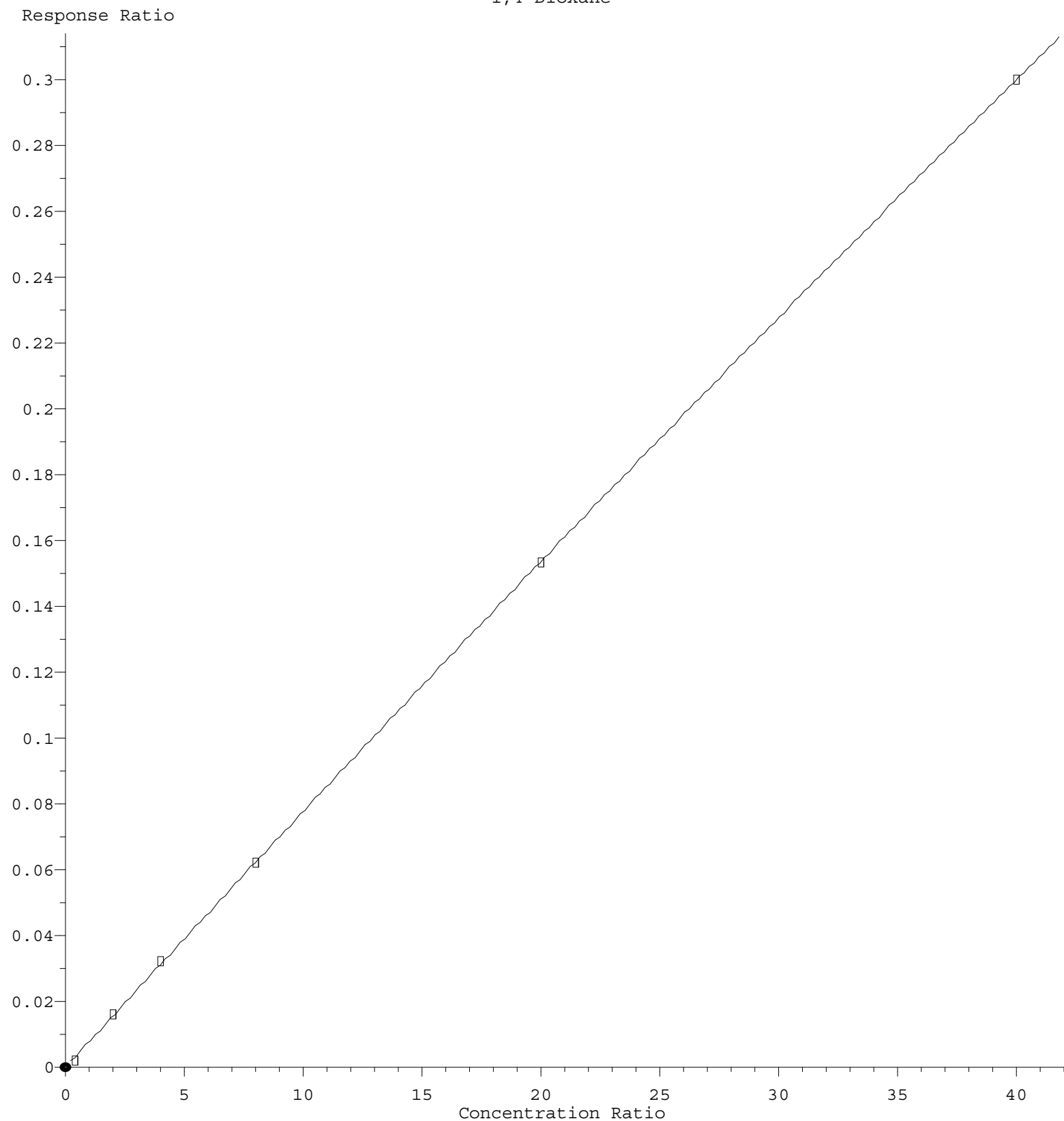
	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.613	0.634	0.743	0.562	0.673	0.659	0.647	9.40
3) P	Chloromethane	0.725	0.612	0.642	0.547	0.588	0.569	0.614	10.37
4) C	Vinyl Chloride	0.651	0.632	0.699	0.616	0.647	0.622	0.645	4.65#
5) T	Bromomethane		0.522	0.505	0.458	0.438	0.402	0.465	10.54
6) T	Chloroethane	0.448	0.445	0.488	0.425	0.427	0.414	0.441	5.92
7) T	Trichlorofluor...	1.035	0.897	1.005	0.852	0.884	0.891	0.927	8.01
8) T	Diethyl Ether	0.276	0.326	0.341	0.306	0.335	0.319	0.317	7.43
9) T	1,1,2-Trichlor...	0.503	0.507	0.583	0.494	0.527	0.535	0.525	6.19
10) T	Methyl Iodide		0.476	0.509	0.482	0.593	0.630	0.538	12.94
11) T	Tert butyl alc...		0.127	0.124	0.115	0.116	0.106	0.118	6.88
12) CM	1,1-Dichloroet...	0.538	0.510	0.535	0.473	0.509	0.498	0.510	4.75#
13) T	Acrolein		0.092	0.089	0.080	0.083	0.081	0.085	6.47
14) T	Allyl chloride	0.779	0.860	0.790	0.782	0.750	0.814	0.796	4.71
15) T	Acrylonitrile	0.296	0.277	0.271	0.265	0.266	0.250	0.271	5.57
16) T	Acetone	0.300	0.249	0.254	0.220	0.237	0.220	0.247	12.01
17) T	Carbon Disulfide	1.895	1.515	1.547	1.332	1.451	1.411	1.525	12.90
18) T	Methyl Acetate	0.787	0.682	0.674	0.579	0.614	0.582	0.653	12.14
19) T	Methyl tert-bu...	1.798	1.807	1.755	1.731	1.780	1.693	1.761	2.46
20) T	Methylene Chlo...	0.725	0.602	0.593	0.555	0.558	0.542	0.596	11.32
21) T	trans-1,2-Dich...	0.606	0.571	0.552	0.536	0.533	0.520	0.553	5.68
22) T	Diisopropyl ether	1.626	1.683	1.724	1.667	1.669	1.620	1.665	2.32
23) T	Vinyl Acetate	1.229	1.327	1.362	1.336	1.363	1.315	1.322	3.73
24) P	1,1-Dichloroet...	0.973	1.068	1.046	0.999	1.003	0.971	1.010	3.87
25) T	2-Butanone	0.404	0.380	0.370	0.370	0.367	0.344	0.373	5.27
26) T	2,2-Dichloropr...	0.868	0.949	0.963	0.957	0.957	0.939	0.939	3.79
27) T	cis-1,2-Dichlo...	0.668	0.668	0.653	0.625	0.644	0.627	0.647	2.94
28) T	Bromochloromet...	0.445	0.537	0.408	0.424	0.411	0.374	0.433	12.85
29) T	Tetrahydrofuran	0.238	0.239	0.244	0.235	0.233	0.219	0.235	3.72
30) C	Chloroform	1.090	1.137	1.101	1.037	1.051	1.012	1.071	4.31#
31) T	Cyclohexane		1.056	0.952	0.895	0.837	0.840	0.916	9.97
32) T	1,1,1-Trichlor...	0.969	1.026	1.041	0.989	0.980	0.964	0.995	3.17
33) S	1,2-Dichloroet...		0.782	0.662	0.705	0.675	0.681	0.701	6.82
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.335	0.299	0.323	0.319	0.329	0.321	4.30
36) T	1,1-Dichloropr...	0.435	0.430	0.442	0.439	0.454	0.454	0.442	2.18
37) T	Ethyl Acetate	0.481	0.461	0.477	0.418	0.445	0.420	0.450	6.03
38) T	Carbon Tetrach...	0.519	0.542	0.536	0.520	0.540	0.537	0.533	1.93
39) T	Methylcyclohexane	0.467	0.448	0.475	0.466	0.493	0.518	0.478	5.17
40) TM	Benzene	1.390	1.373	1.370	1.323	1.359	1.349	1.361	1.70
41) T	Methacrylonitrile	0.242	0.265	0.225	0.249	0.239	0.236	0.243	5.51
42) TM	1,2-Dichloroet...	0.485	0.497	0.496	0.487	0.489	0.486	0.490	1.07
43) T	Isopropyl Acetate	3.358	1.354	0.982	0.956	0.843	0.825	1.386	71.03
44) TM	Trichloroethene	0.376	0.336	0.342	0.348	0.345	0.345	0.349	4.03
45) C	1,2-Dichloropr...	0.296	0.318	0.322	0.323	0.325	0.322	0.318	3.40#
46) T	Dibromomethane	0.235	0.260	0.248	0.243	0.250	0.248	0.247	3.35
47) T	Bromodichlorom...	0.515	0.515	0.517	0.502	0.507	0.512	0.511	1.12
48) T	Methyl methacr...	0.339	0.361	0.358	0.352	0.358	0.352	0.353	2.23
49) T	1,4-Dioxane	0.005	0.008	0.008	0.008	0.008	0.007	0.007	15.78
50) S	Toluene-d8		1.217	1.079	1.181	1.197	1.251	1.185	5.46
51) T	4-Methyl-2-Pen...	0.428	0.452	0.455	0.449	0.455	0.440	0.446	2.42
52) CM	Toluene	0.815	0.839	0.827	0.856	0.883	0.880	0.850	3.28#
53) T	t-1,3-Dichloro...	0.492	0.510	0.524	0.532	0.547	0.556	0.527	4.46
54) T	cis-1,3-Dichlo...	0.555	0.547	0.556	0.550	0.562	0.575	0.558	1.83
55) T	1,1,2-Trichlor...	0.275	0.328	0.318	0.318	0.320	0.316	0.313	6.08
56) T	Ethyl methacry...	0.411	0.451	0.483	0.502	0.532	0.539	0.486	10.10

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57)	T	1,3-Dichloropr...	0.555	0.563	0.554	0.540	0.557	0.551	0.553	1.39
58)	T	2-Chloroethyl ...	0.196	0.244	0.259	0.252	0.267	0.280	0.250	11.69
59)	T	2-Hexanone	0.289	0.329	0.339	0.344	0.350	0.341	0.332	6.66
60)	T	Dibromochlorom...	0.382	0.397	0.392	0.399	0.410	0.409	0.398	2.67
61)	T	1,2-Dibromoethane	0.304	0.342	0.332	0.339	0.339	0.336	0.332	4.17
62)	S	4-Bromofluorob...		0.449	0.368	0.425	0.426	0.460	0.426	8.31
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.381	0.384	0.379	0.364	0.361	0.369	0.373	2.59
65)	PM	Chlorobenzene	1.084	1.094	1.083	1.058	1.057	1.052	1.071	1.65
66)	T	1,1,1,2-Tetrac...	0.375	0.391	0.382	0.383	0.380	0.376	0.381	1.54
67)	C	Ethyl Benzene	1.727	1.807	1.755	1.782	1.858	1.875	1.801	3.20#
68)	T	m/p-Xylenes	0.612	0.658	0.669	0.693	0.715	0.732	0.680	6.32
69)	T	o-Xylene	0.555	0.631	0.667	0.677	0.684	0.695	0.651	8.00
70)	T	Styrene	0.924	1.010	1.045	1.101	1.177	1.201	1.076	9.73
71)	P	Bromoform	0.254	0.301	0.305	0.309	0.312	0.318	0.300	7.83
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.458	3.518	3.665	3.759	3.719	3.680	3.633	3.27
74)	T	N-amyl acetate	1.411	1.425	1.525	1.563	1.565	1.528	1.503	4.53
75)	P	1,1,2,2-Tetrac...	1.138	1.201	1.091	1.089	1.038	0.971	1.088	7.27
76)	T	1,2,3-Trichlor...	0.792	0.939	0.921	0.875	0.844	0.802	0.862	7.06
77)	T	Bromobenzene	0.988	0.958	0.928	0.941	0.914	0.896	0.937	3.47
78)	T	n-propylbenzene	4.005	4.066	4.144	4.260	4.314	4.275	4.177	3.00
79)	T	2-Chlorotoluene	2.833	2.681	2.593	2.656	2.618	2.588	2.662	3.44
80)	T	1,3,5-Trimethy...	2.755	2.773	2.946	3.056	3.038	3.052	2.937	4.77
81)	T	trans-1,4-Dich...		0.434	0.413	0.441	0.480	0.425	0.438	5.80
82)	T	4-Chlorotoluene	2.615	2.651	2.691	2.637	2.602	2.610	2.635	1.25
83)	T	tert-Butylbenzene	2.498	2.638	2.539	2.667	2.667	2.613	2.604	2.69
84)	T	1,2,4-Trimethy...	2.684	2.870	3.026	3.128	3.142	3.109	2.993	6.08
85)	T	sec-Butylbenzene	3.242	3.462	3.481	3.625	3.651	3.649	3.518	4.53
86)	T	p-Isopropyltol...	2.643	2.853	2.873	3.003	3.106	3.134	2.935	6.27
87)	T	1,3-Dichlorobe...	1.773	1.723	1.659	1.673	1.666	1.665	1.693	2.69
88)	T	1,4-Dichlorobe...	2.084	1.726	1.707	1.691	1.664	1.634	1.751	9.51
89)	T	n-Butylbenzene	2.413	2.457	2.338	2.610	2.581	2.690	2.515	5.32
90)	T	Hexachloroethane	0.612	0.656	0.630	0.616	0.610	0.603	0.621	3.09
91)	T	1,2-Dichlorobe...	1.795	1.656	1.645	1.639	1.586	1.544	1.644	5.19
92)	T	1,2-Dibromo-3-...	0.266	0.256	0.269	0.250	0.242	0.227	0.252	6.31
93)	T	1,2,4-Trichlor...	0.922	0.857	0.829	0.892	0.904	0.909	0.886	4.00
94)	T	Hexachlorobuta...	0.449	0.378	0.380	0.392	0.382	0.375	0.393	7.18
95)	T	Naphthalene	3.216	2.806	2.933	3.051	3.131	3.062	3.033	4.80
96)	T	1,2,3-Trichlor...	1.017	0.886	0.864	0.905	0.892	0.899	0.911	5.93

(#) = Out of Range

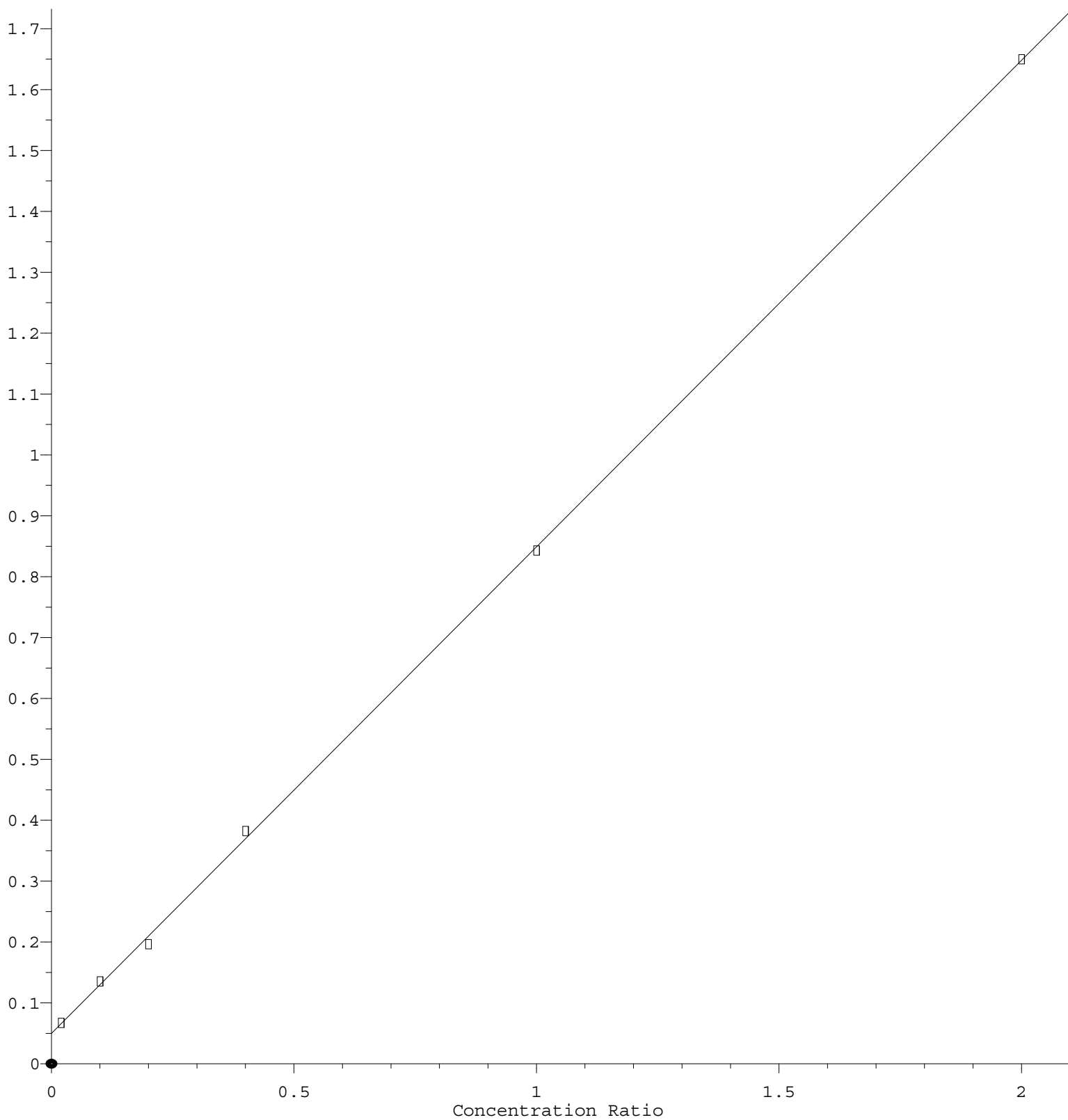
1,4-Dioxane



$R = -9.315e-006 A^2 + 7.873e-003 A - 1.024e-004$
Coef of Det (r^2) = 0.999964 Curve Fit: Quadratic
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Isopropyl Acetate

Response Ratio



$$\text{Response} = 7.988\text{e-}001 * \text{Amt} + 5.039\text{e-}002$$

Coef of Det (r^2) = 0.999777 Curve Fit: Linear

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