

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X100622W.M
 Title : SW846 8260
 Last Update : Thu Oct 06 14:28:46 2022
 Response Via : Initial Calibration

Calibration Files

1 =VX031911.D 5 =VX031912.D 20 =VX031914.D 50 =VX031915.D 100 =VX031916.D 10 =VX031913.D

Compound		1	5	20	50	100	10	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.695	0.675	0.763	0.771	0.726	0.836	0.744	7.86
3) P	Chloromethane	0.907	0.783	0.749	0.736	0.664	0.836	0.779	10.84
4) C	Vinyl Chloride	0.938	0.915	0.909	0.886	0.804	1.013	0.911	7.50#
5) T	Bromomethane		0.813	0.645	0.605	0.566	0.815	0.689	17.07
6) T	Chloroethane	0.815	0.921	0.677	0.823	0.771	0.643	0.775	13.20
7) T	Trichlorofluor...	1.835	1.593	1.592	1.576	1.456	1.770	1.637	8.54
8) T	Diethyl Ether	0.532	0.551	0.566	0.570	0.503	0.626	0.558	7.41
9) T	1,1,2-Trichlor...	0.918	0.829	0.796	0.807	0.742	0.873	0.827	7.44
10) T	Methyl Iodide		0.587	0.694	0.847	0.867	0.665	0.732	16.55
11) T	Tert butyl alc...		0.138	0.123	0.122	0.115	0.145	0.128	9.66
12) CM	1,1-Dichloroet...	0.820	0.752	0.744	0.753	0.699	0.802	0.762	5.69#
13) T	Acrolein		0.125	0.079	0.076	0.071	0.085	0.087	24.64
14) T	Allyl chloride	1.188	1.063	1.060	1.095	1.015	1.080	1.084	5.34
15) T	Acrylonitrile	0.417	0.413	0.418	0.404	0.358	0.445	0.410	6.99
16) T	Acetone	0.429	0.353	0.343	0.320	0.279	0.383	0.351	14.70
17) T	Carbon Disulfide	1.967	1.525	1.510	1.637	1.587	1.588	1.635	10.31
18) T	Methyl Acetate	1.205	1.142	1.172	1.143	1.013	1.272	1.158	7.43
19) T	Methyl tert-bu...	2.577	2.583	2.504	2.586	2.378	2.706	2.556	4.25
20) T	Methylene Chlo...	1.143	0.952	0.873	0.845	0.773	0.947	0.922	13.78
21) T	trans-1,2-Dich...	0.893	0.897	0.808	0.828	0.763	0.872	0.843	6.28
22) T	Diisopropyl ether	2.474	2.424	2.401	2.446	2.246	2.627	2.436	5.04
23) T	Vinyl Acetate	1.673	1.745	1.834	1.927	1.797	1.951	1.821	5.84
24) P	1,1-Dichloroet...	1.509	1.478	1.436	1.443	1.318	1.578	1.460	5.93
25) T	2-Butanone	0.588	0.550	0.557	0.534	0.470	0.592	0.549	8.13
26) T	2,2-Dichloropr...	1.044	0.959	1.028	1.102	1.066	1.094	1.049	5.02
27) T	cis-1,2-Dichlo...	1.130	1.012	0.965	0.998	0.916	1.034	1.009	7.12
28) T	Bromochloromet...	0.621	0.579	0.649	0.632	0.610	0.659	0.625	4.60
29) T	Tetrahydrofuran	0.378	0.351	0.360	0.348	0.307	0.380	0.354	7.60
30) C	Chloroform	1.646	1.665	1.609	1.620	1.490	1.730	1.627	4.90#
31) T	Cyclohexane		1.295	1.212	1.235	1.129	1.297	1.234	5.62
32) T	1,1,1-Trichlor...	1.414	1.350	1.350	1.430	1.340	1.411	1.382	2.89
33) S	1,2-Dichloroet...		1.167	0.997	0.951	0.956	1.092	1.033	9.12
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.600	0.548	0.556	0.559	0.566	0.566	3.56
36) T	1,1-Dichloropr...	0.835	0.735	0.699	0.762	0.700	0.772	0.751	6.85
37) T	Ethyl Acetate	0.693	0.683	0.727	0.719	0.650	0.768	0.707	5.75
38) T	Carbon Tetrach...	0.758	0.694	0.745	0.833	0.780	0.794	0.767	6.13
39) T	Methylcyclohexane	0.960	0.853	0.854	0.937	0.861	0.905	0.895	5.17
40) TM	Benzene	2.294	2.144	2.133	2.245	2.058	2.312	2.198	4.60
41) T	Methacrylonitrile	0.342	0.352	0.381	0.385	0.352	0.394	0.367	5.88
42) TM	1,2-Dichloroet...	0.850	0.792	0.789	0.816	0.746	0.811	0.801	4.34
43) T	Isopropyl Acetate	1.021	1.015	1.067	1.139	1.077	1.114	1.072	4.59
44) TM	Trichloroethene	0.711	0.616	0.615	0.666	0.613	0.645	0.644	6.03
45) C	1,2-Dichloropr...	0.563	0.529	0.524	0.558	0.508	0.559	0.540	4.26#
46) T	Dibromomethane	0.439	0.403	0.406	0.430	0.396	0.438	0.419	4.65
47) T	Bromodichlorom...	0.649	0.671	0.734	0.795	0.758	0.732	0.723	7.54
48) T	Methyl methacr...	0.476	0.485	0.522	0.566	0.508	0.517	0.512	6.22
49) T	1,4-Dioxane	0.011	0.014	0.014	0.013	0.011	0.016	0.013	15.84
50) S	Toluene-d8		2.071	1.962	2.033	2.012	2.105	2.037	2.69
51) T	4-Methyl-2-Pen...	0.649	0.697	0.729	0.750	0.676	0.762	0.710	6.23
52) CM	Toluene	1.386	1.409	1.417	1.513	1.376	1.521	1.437	4.46#
53) T	t-1,3-Dichloro...	0.474	0.538	0.694	0.811	0.782	0.673	0.662	20.12
54) T	cis-1,3-Dichlo...	0.662	0.697	0.793	0.910	0.862	0.775	0.783	12.02
55) T	1,1,2-Trichlor...	0.659	0.592	0.584	0.619	0.562	0.623	0.606	5.67
56) T	Ethyl methacry...	0.683	0.720	0.789	0.870	0.805	0.797	0.777	8.58

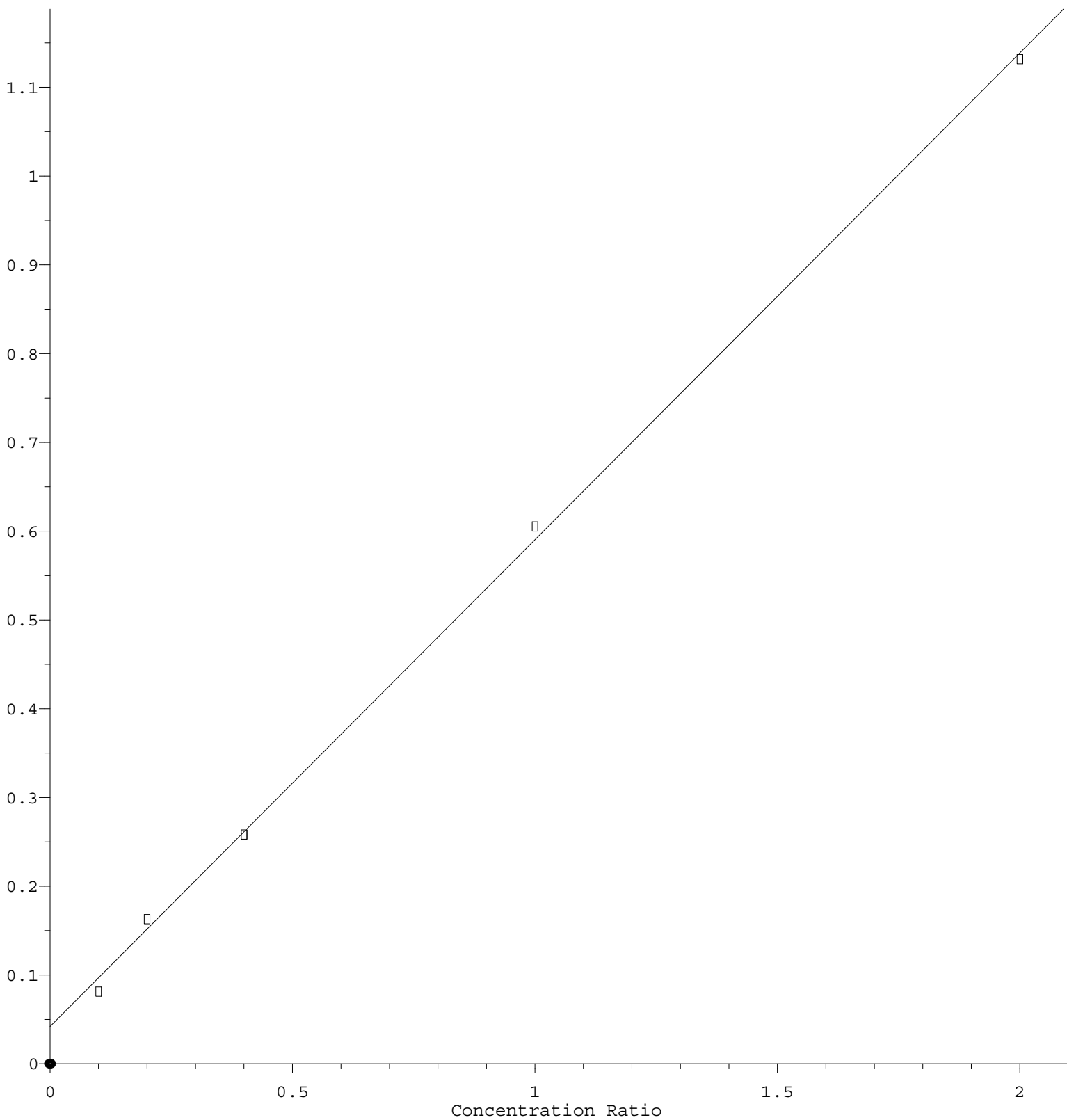
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57)	T	1,3-Dichloropr...	1.002	0.970	0.954	0.997	0.903	1.022	0.975	4.36
58)	T	2-Chloroethyl ...	0.387	0.381	0.407	0.427	0.401	0.405	0.401	4.11
59)	T	2-Hexanone	0.469	0.515	0.542	0.554	0.497	0.564	0.524	6.95
60)	T	Dibromochlorom...	0.463	0.476	0.560	0.650	0.614	0.568	0.555	13.33
61)	T	1,2-Dibromoethane	0.573	0.595	0.621	0.652	0.596	0.623	0.610	4.55
62)	S	4-Bromofluorob...		0.696	0.695	0.749	0.749	0.712	0.720	3.76
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.580	0.560	0.547	0.592	0.549	0.558	0.564	3.14
65)	PM	Chlorobenzene	1.670	1.501	1.466	1.512	1.398	1.542	1.515	5.99
66)	T	1,1,1,2-Tetrac...	0.548	0.483	0.516	0.550	0.519	0.530	0.524	4.75
67)	C	Ethyl Benzene	2.626	2.508	2.515	2.631	2.432	2.666	2.563	3.57#
68)	T	m/p-Xylenes	0.992	1.012	1.004	1.055	0.970	1.078	1.018	3.98
69)	T	o-Xylene	1.001	0.955	0.981	1.036	0.953	1.013	0.990	3.34
70)	T	Styrene	1.436	1.495	1.586	1.705	1.584	1.689	1.583	6.65
71)	P	Bromoform	0.296	0.290	0.344	0.409	0.399	0.321	0.343	14.85
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.886	3.738	3.688	3.813	3.601	3.901	3.771	3.10
74)	T	N-amyl acetate	0.976	0.998	1.157	1.284	1.311	1.184	1.152	12.17
75)	P	1,1,2,2-Tetrac...	1.361	1.199	1.164	1.144	1.073	1.249	1.198	8.25
76)	T	1,2,3-Trichlor...	1.094	1.026	1.005	1.020	0.959	1.043	1.025	4.34
77)	T	Bromobenzene	1.013	0.886	0.911	0.937	0.890	0.937	0.929	5.01
78)	T	n-propylbenzene	4.321	4.173	4.237	4.385	4.162	4.459	4.289	2.78
79)	T	2-Chlorotoluene	2.784	2.545	2.536	2.555	2.405	2.663	2.581	5.00
80)	T	1,3,5-Trimethy...	3.011	3.044	3.122	3.243	3.037	3.308	3.128	3.91
81)	T	trans-1,4-Dich...		0.204	0.226	0.284	0.302	0.204	0.244	18.92
82)	T	4-Chlorotoluene	3.028	2.931	2.890	2.990	2.851	3.048	2.956	2.65
83)	T	tert-Butylbenzene	3.091	3.023	2.994	3.187	3.005	3.273	3.096	3.64
84)	T	1,2,4-Trimethy...	3.212	3.103	3.142	3.230	3.040	3.338	3.177	3.31
85)	T	sec-Butylbenzene	3.660	3.714	3.868	3.960	3.743	4.051	3.832	3.99
86)	T	p-Isopropyltol...	2.991	3.097	3.211	3.391	3.246	3.424	3.227	5.17
87)	T	1,3-Dichlorobe...	1.808	1.745	1.752	1.785	1.714	1.809	1.769	2.14
88)	T	1,4-Dichlorobe...	2.000	1.797	1.747	1.801	1.719	1.859	1.821	5.51
89)	T	n-Butylbenzene	2.692	2.537	2.629	2.854	2.780	2.721	2.702	4.13
90)	T	Hexachloroethane	0.358	0.375	0.465	0.512	0.521	0.461	0.449	15.25
91)	T	1,2-Dichlorobe...	1.787	1.760	1.721	1.782	1.664	1.839	1.759	3.41
92)	T	1,2-Dibromo-3-...	0.175	0.207	0.232	0.239	0.226	0.236	0.219	11.25
93)	T	1,2,4-Trichlor...	1.115	0.989	1.052	1.148	1.058	1.041	1.067	5.27
94)	T	Hexachlorobuta...	0.529	0.373	0.408	0.448	0.432	0.400	0.432	12.62
95)	T	Naphthalene	3.502	3.328	3.761	3.937	3.597	3.819	3.657	6.13
96)	T	1,2,3-Trichlor...	1.143	0.973	1.079	1.134	1.081	1.087	1.083	5.61

(#) = Out of Range

Bromomethane

Response Ratio



$$\text{Response} = 5.483\text{e-}001 * \text{Amt} + 4.212\text{e-}002$$

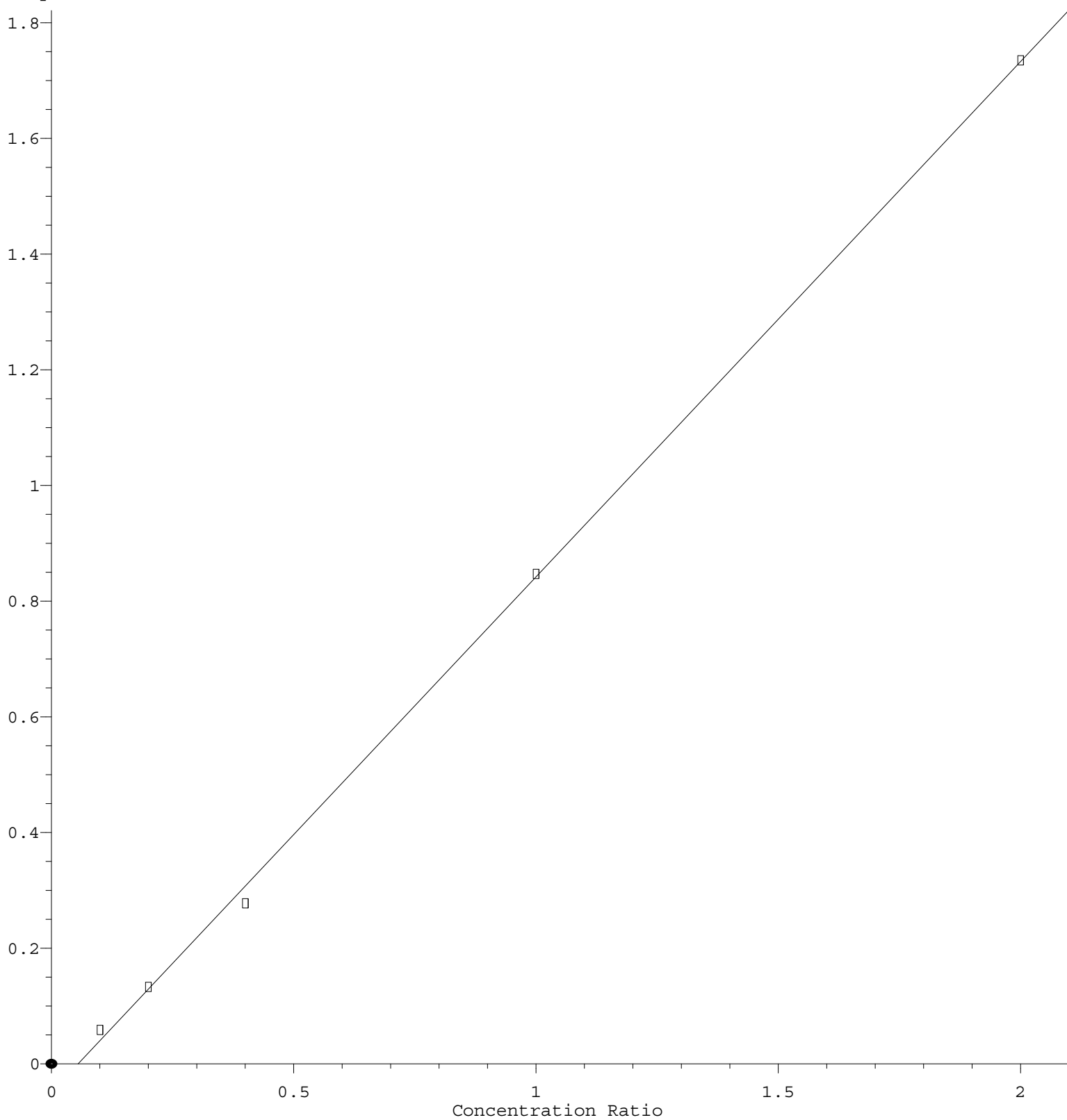
Coef of Det (r^2) = 0.999125 Curve Fit: Linear

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Methyl Iodide

Response Ratio



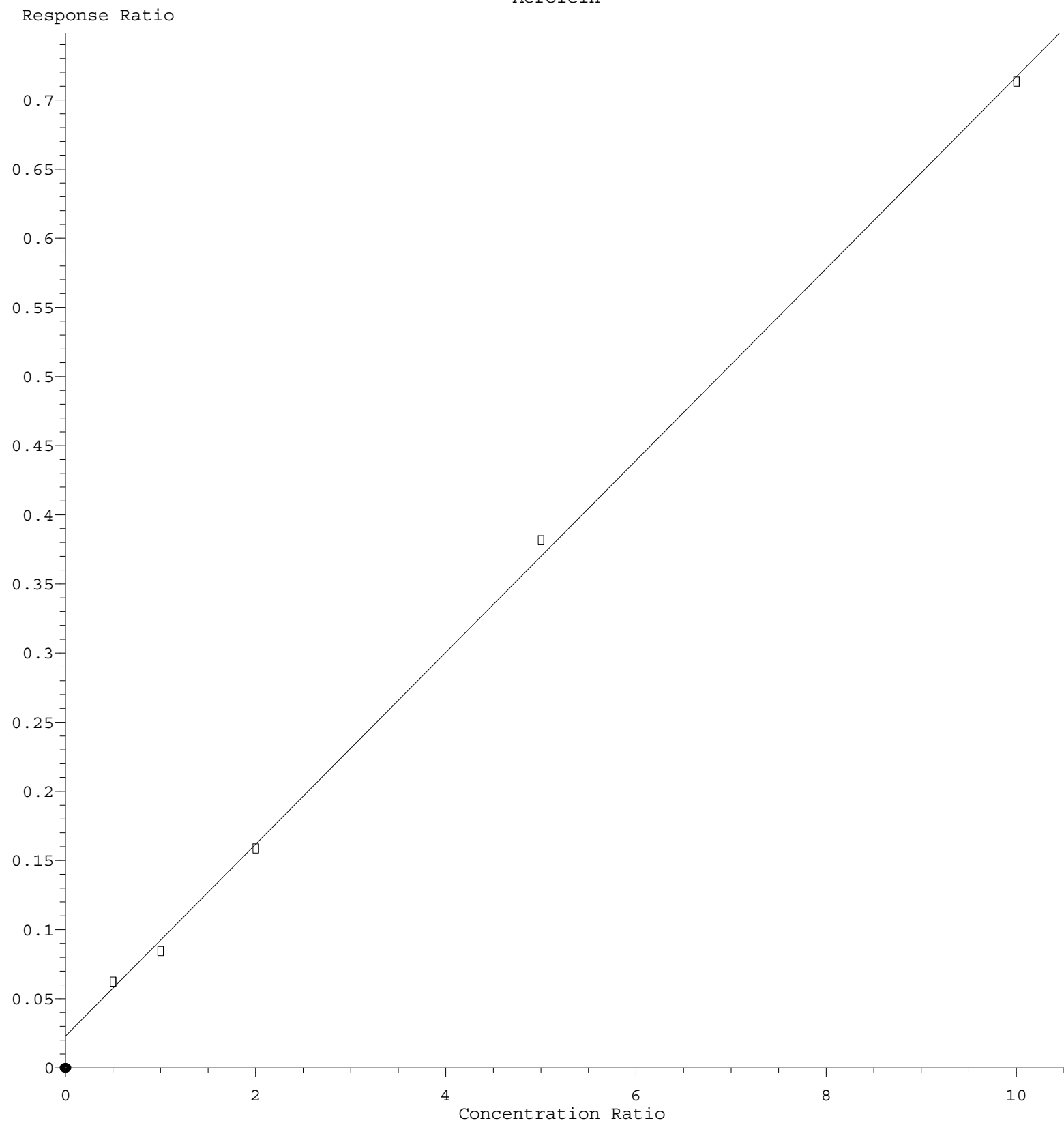
$$\text{Response} = 8.909\text{e-}001 * \text{Amt} - 4.909\text{e-}002$$

Coef of Det (r^2) = 0.999347 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X100622W.M

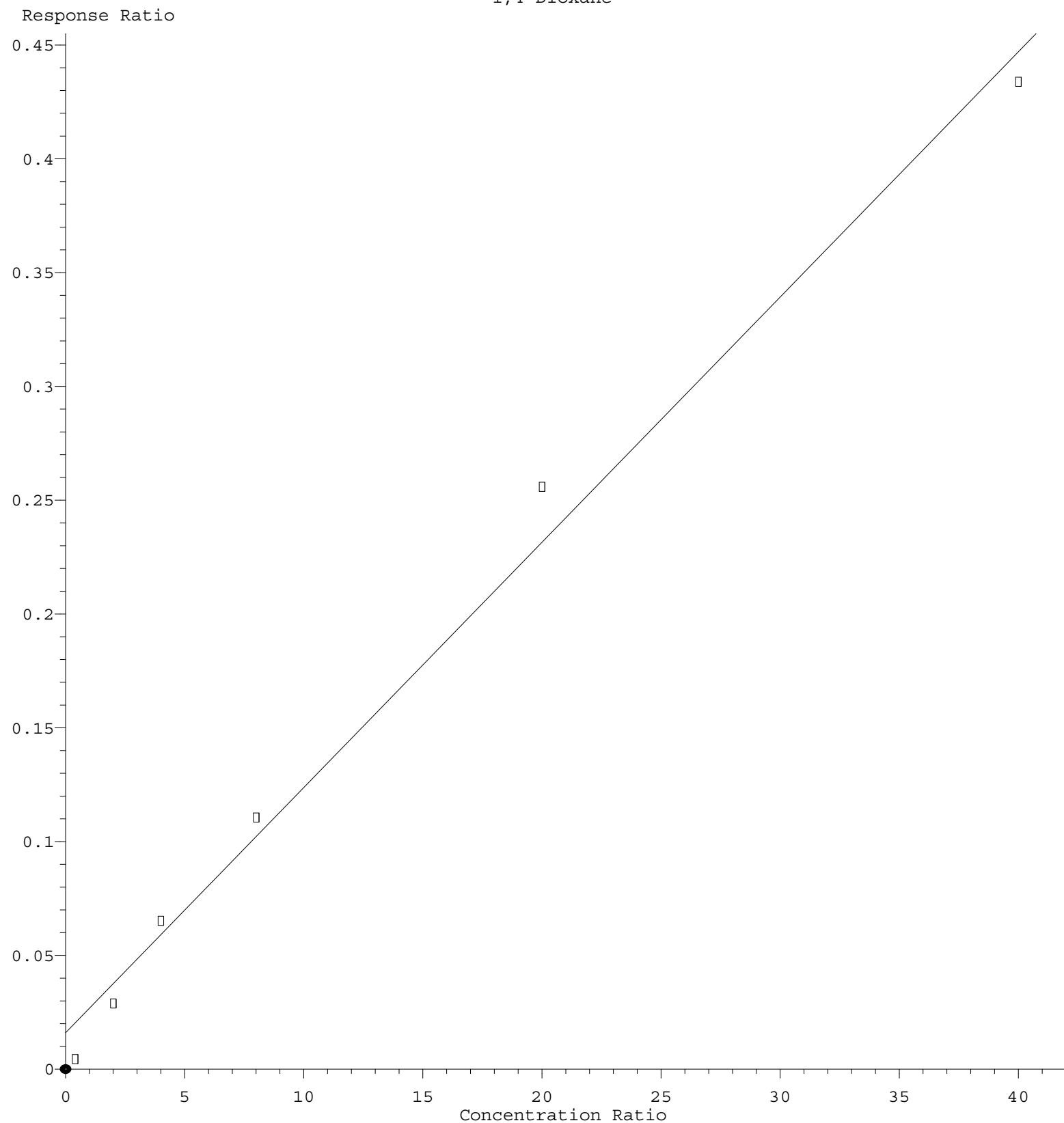
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Acrolein



Response = $6.945 \times 10^{-2} \times \text{Amt} + 2.311 \times 10^{-2}$
 Coef of Det (r^2) = 0.999187 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X100622W.M
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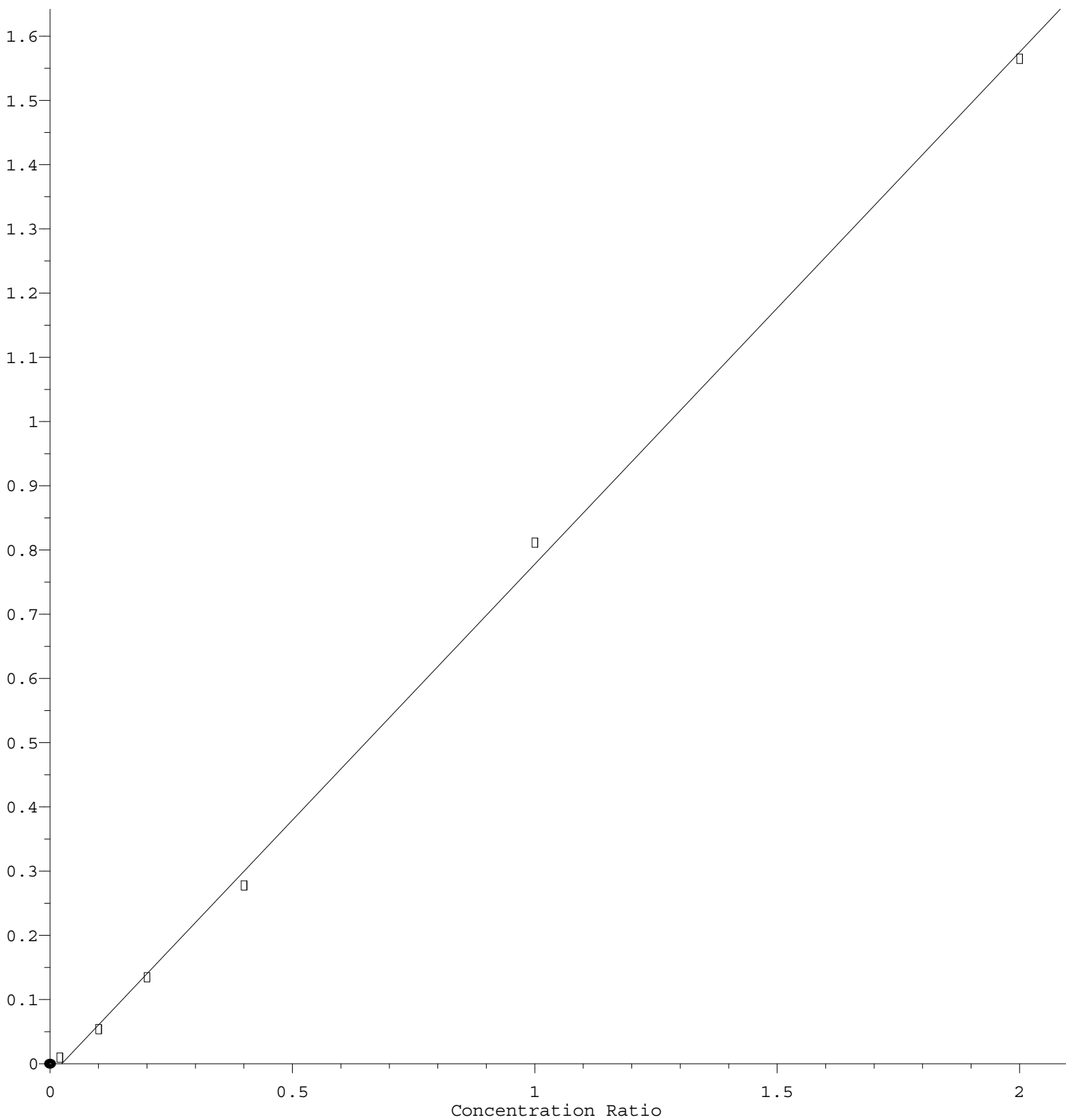
1,4-Dioxane



Response = 1.079e-002 * Amt + 1.602e-002
 Coef of Det (r^2) = 0.991184 Curve Fit: Linear
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t-1,3-Dichloropropene

Response Ratio



$$\text{Response} = 7.976\text{e-}001 * \text{Amt} - 1.926\text{e-}002$$

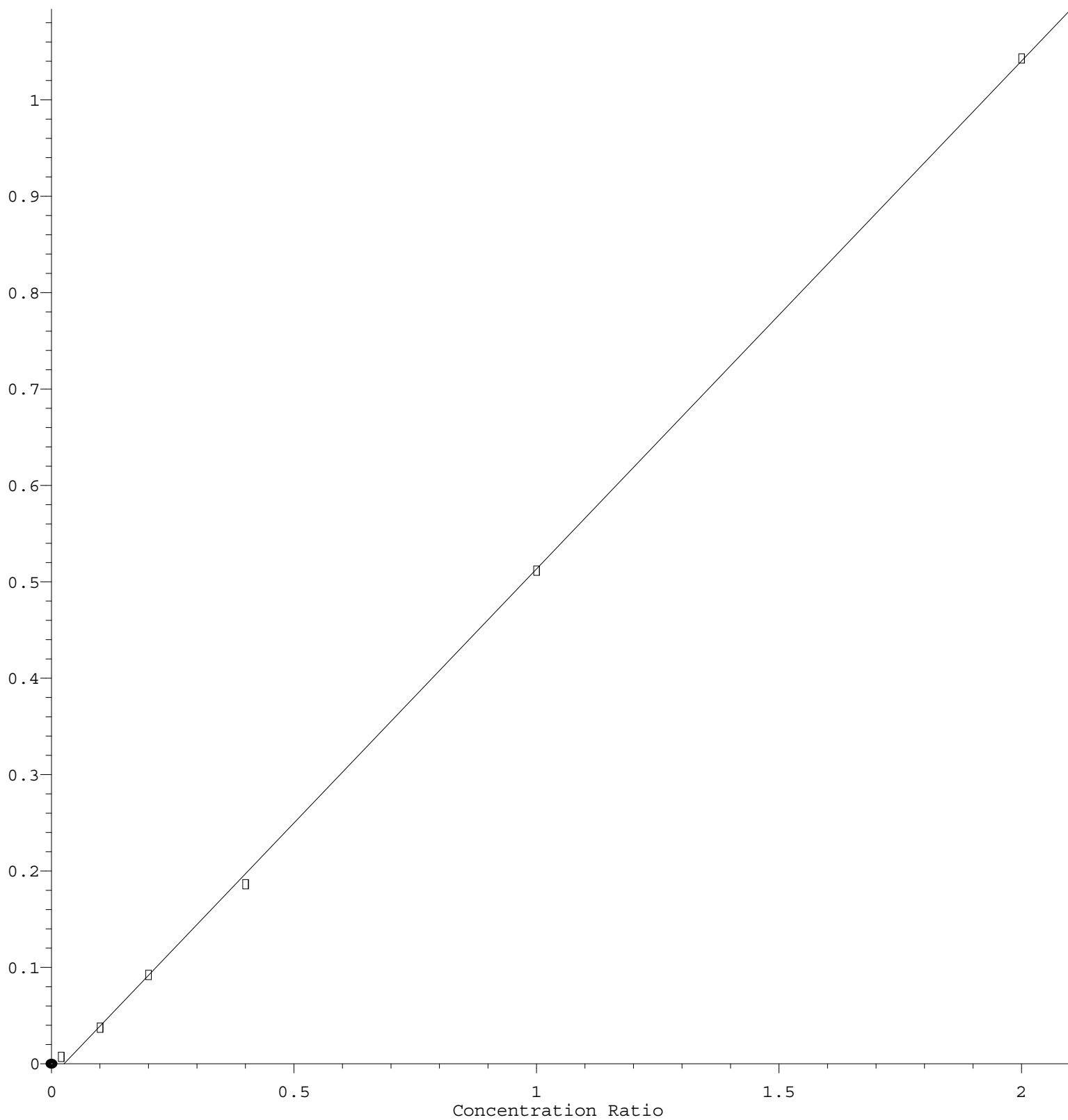
Coef of Det (r^2) = 0.998948 Curve Fit: Linear

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Hexachloroethane

Response Ratio



$$\text{Response} = 5.269\text{e-}001 * \text{Amt} - 1.379\text{e-}002$$

Coef of Det (r^2) = 0.999705 Curve Fit: Linear

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