

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
 Method File : 82V092225W.M
 Title : SW846 8260
 Last Update : Wed Sep 24 08:08:08 2025
 Response Via : Initial Calibration

Calibration Files

1 =VV039143.D 5 =VV039142.D 10 =VV039137.D 20 =VV039138.D 50 =VV039139.D 100 =VV039140.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.934	0.772	0.848	0.757	0.740	0.699	0.791	10.78
3) P	Chloromethane	0.946	0.889	0.949	0.814	0.770	0.729	0.850	10.90
4) C	Vinyl Chloride	1.026	0.932	1.007	0.856	0.836	0.801	0.910	10.27#
5) T	Bromomethane		0.655	0.631	0.548	0.508	0.524	0.573	11.50
6) T	Chloroethane	0.915	0.606	0.662	0.568	0.533	0.500	0.631	23.83
7) T	Trichlorofluor...	1.546	1.365	1.394	1.253	1.193	1.151	1.317	11.15
8) T	Diethyl Ether	0.572	0.513	0.505	0.461	0.447	0.435	0.489	10.50
9) T	1,1,2-Trichlor...	0.939	0.804	0.839	0.732	0.702	0.686	0.784	12.28
10) T	Methyl Iodide		0.638	0.772	0.742	0.786	0.793	0.746	8.50
11) T	Tert butyl alc...		0.166	0.169	0.157	0.137	0.136	0.153	10.26
12) CM	1,1-Dichloroet...	0.873	0.789	0.804	0.721	0.674	0.663	0.754	10.87#
13) T	Acrolein		0.025	0.027	0.027	0.026	0.027	0.027	4.01
14) T	Allyl chloride	1.523	1.434	1.388	1.283	1.243	1.208	1.347	9.06
15) T	Acrylonitrile	0.587	0.522	0.507	0.462	0.436	0.427	0.490	12.38
16) T	Acetone	0.712	0.569	0.537	0.458	0.449	0.414	0.523	20.84
17) T	Carbon Disulfide	2.670	2.462	2.453	2.181	2.081	1.986	2.306	11.43
18) T	Methyl Acetate	1.198	1.097	1.146	1.036	0.983	0.973	1.072	8.46
19) T	Methyl tert-bu...	2.591	2.556	2.547	2.285	2.233	2.202	2.402	7.50
20) T	Methylene Chlo...	1.987	1.113	0.930	0.848	0.779	0.742	1.066	44.05
21) T	trans-1,2-Dich...	0.959	0.835	0.846	0.755	0.724	0.696	0.803	12.11
22) T	Diisopropyl ether	2.659	2.560	2.757	2.530	2.520	2.433	2.576	4.44
23) T	Vinyl Acetate	2.243	2.313	2.393	2.241	2.204	2.128	2.254	4.04
24) P	1,1-Dichloroet...	1.942	1.659	1.669	1.466	1.388	1.329	1.576	14.42
25) T	2-Butanone	0.554	0.570	0.604	0.584	0.586	0.580	0.579	2.90
26) T	2,2-Dichloropr...	1.906	1.393	1.364	1.275	1.239	1.204	1.397	18.57
27) T	cis-1,2-Dichlo...	1.001	0.832	0.908	0.842	0.868	0.860	0.885	7.06
28) T	Bromochloromet...	0.743	0.525	0.836	0.753	0.679	0.637	0.696	15.49
29) T	Tetrahydrofuran	0.335	0.350	0.376	0.372	0.369	0.374	0.363	4.57
30) C	Chloroform	1.880	1.746	1.752	1.570	1.490	1.433	1.645	10.60#
31) T	Cyclohexane		1.407	1.325	1.222	1.245	1.254	1.291	5.85
32) T	1,1,1-Trichlor...	1.590	1.513	1.562	1.321	1.298	1.263	1.424	10.26
33) S	1,2-Dichloroet...		0.919	0.773	0.663	0.646	0.618	0.724	17.13
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.454	0.435	0.382	0.377	0.360	0.402	10.10
36) T	1,1-Dichloropr...	0.650	0.536	0.624	0.604	0.620	0.612	0.608	6.33
37) T	Ethyl Acetate	0.825	0.722	0.715	0.740	0.714	0.710	0.737	5.96
38) T	Carbon Tetrach...	0.890	0.736	0.742	0.710	0.703	0.675	0.743	10.25
39) T	Methylcyclohexane	0.622	0.680	0.701	0.720	0.823	0.857	0.734	12.15
40) TM	Benzene	1.936	1.963	2.077	1.978	1.990	1.931	1.979	2.69
41) T	Methacrylonitrile	0.185	0.215	0.273	0.292	0.330	0.342	0.273	22.92
42) TM	1,2-Dichloroet...	0.740	0.693	0.725	0.694	0.666	0.643	0.693	5.20
43) T	Isopropyl Acetate	0.869	0.933	1.032	1.029	1.069	1.100	1.005	8.71
44) TM	Trichloroethene	0.435	0.460	0.471	0.456	0.463	0.454	0.457	2.64
45) C	1,2-Dichloropr...	0.465	0.471	0.509	0.519	0.502	0.486	0.492	4.40#
46) T	Dibromomethane	0.396	0.381	0.392	0.367	0.368	0.354	0.376	4.40
47) T	Bromodichlorom...	0.829	0.767	0.832	0.764	0.753	0.725	0.778	5.54
48) T	Methyl methacr...	0.491	0.356	0.409	0.449	0.504	0.526	0.456	14.15
49) T	1,4-Dioxane	0.009	0.005	0.007	0.007	0.007	0.008	0.007	17.72
50) S	Toluene-d8		1.411	1.166	1.092	1.136	1.097	1.181	11.21
51) T	4-Methyl-2-Pen...	0.459	0.613	0.715	0.736	0.732	0.714	0.661	16.48
52) CM	Toluene	0.901	1.130	1.211	1.199	1.229	1.214	1.147	10.93#
53) T	t-1,3-Dichloro...	0.548	0.645	0.701	0.696	0.728	0.753	0.678	10.83
54) T	cis-1,3-Dichlo...	0.595	0.704	0.803	0.777	0.811	0.803	0.749	11.37
55) T	1,1,2-Trichlor...	0.553	0.524	0.534	0.502	0.494	0.480	0.514	5.31
56) T	Ethyl methacry...	0.507	0.510	0.569	0.603	0.716	0.761	0.611	17.43

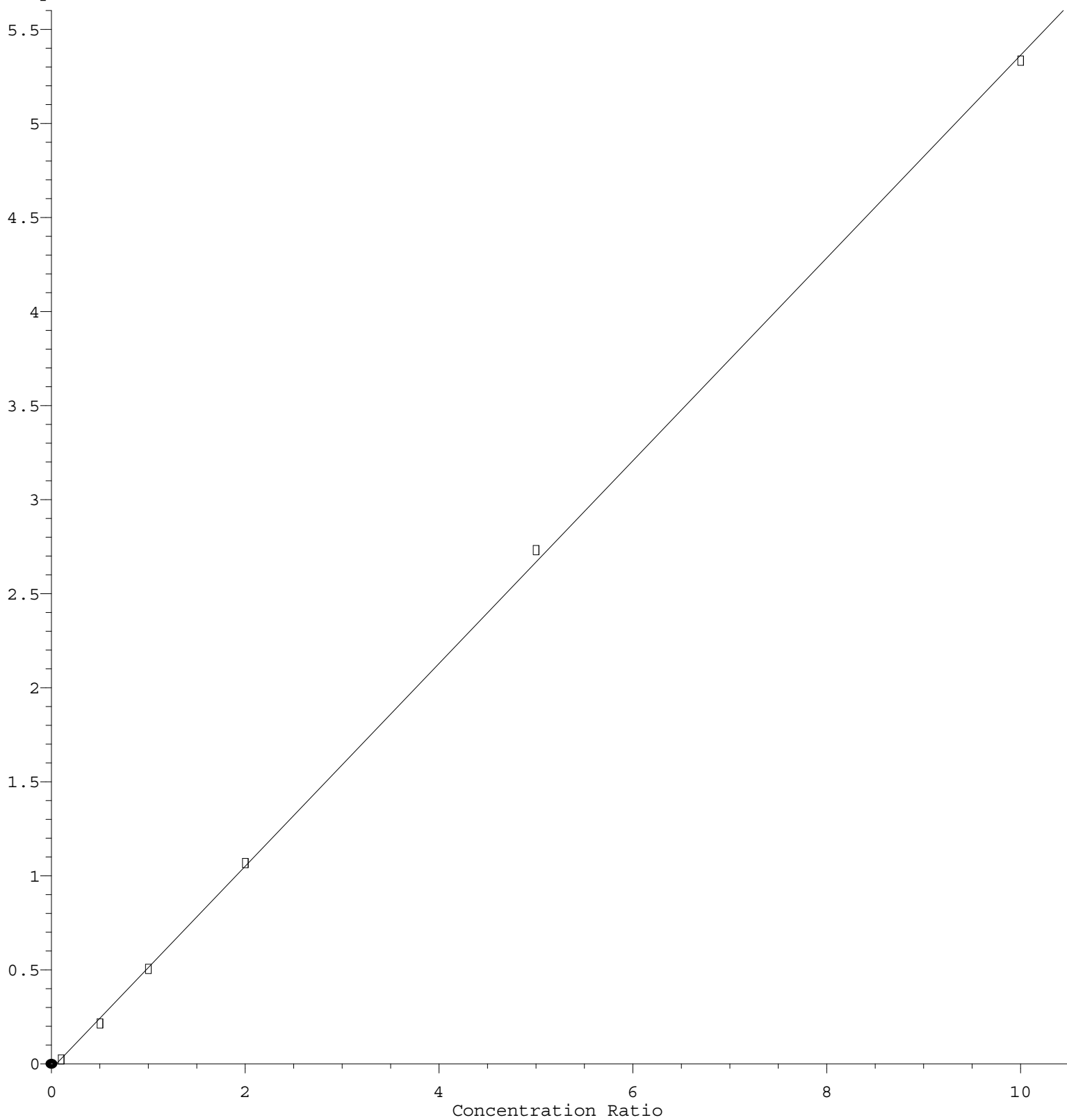
Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
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57)	T	1,3-Dichloropr...	0.797	0.764	0.861	0.827	0.820	0.802	0.812	4.02
58)	T	2-Chloroethyl ...	0.136	0.196	0.264	0.304	0.353	0.351	0.267	32.62
59)	T	2-Hexanone	0.231	0.429	0.505	0.534	0.546	0.533	0.463	26.18
60)	T	Dibromochlorom...	0.620	0.598	0.605	0.570	0.567	0.558	0.586	4.20
61)	T	1,2-Dibromoethane	0.484	0.535	0.556	0.538	0.529	0.514	0.526	4.70
62)	S	4-Bromofluorob...	0.477	0.481	0.464	0.507	0.501	0.486		3.62
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.415	0.431	0.435	0.412	0.412	0.407	0.419	2.74
65)	PM	Chlorobenzene	1.428	1.417	1.403	1.368	1.383	1.358	1.393	1.99
66)	T	1,1,1,2-Tetrac...	0.543	0.504	0.520	0.488	0.488	0.477	0.503	4.84
67)	C	Ethyl Benzene	1.725	1.953	2.028	2.143	2.382	2.418	2.108	12.53#
68)	T	m/p-Xylenes	0.580	0.713	0.820	0.882	0.949	0.938	0.814	17.68
69)	T	o-Xylene	0.518	0.635	0.703	0.742	0.846	0.880	0.720	18.67
70)	T	Styrene	0.828	1.038	1.239	1.381	1.553	1.537	1.263	22.78
71)	P	Bromoform	0.397	0.385	0.396	0.384	0.396	0.400	0.393	1.68
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.226	3.296	3.564	3.638	3.939	4.096	3.627	9.49
74)	T	N-amyl acetate	1.031	1.279	1.425	1.506	1.673	1.764	1.447	18.47
75)	P	1,1,2,2-Tetrac...	1.975	1.684	1.600	1.461	1.425	1.389	1.589	13.83
76)	T	1,2,3-Trichlor...	1.375	1.201	1.136	1.048	1.049	1.023	1.138	11.73
77)	T	Bromobenzene	0.978	0.927	0.948	0.919	0.925	0.949	0.941	2.34
78)	T	n-propylbenzene	3.873	3.967	4.330	4.442	4.899	4.986	4.416	10.44
79)	T	2-Chlorotoluene	2.114	2.585	2.752	2.688	2.833	2.883	2.643	10.59
80)	T	1,3,5-Trimethy...	2.462	2.697	2.924	3.141	3.387	3.475	3.014	13.12
81)	T	trans-1,4-Dich...	0.427	0.478	0.451	0.495	0.521	0.474		7.77
82)	T	4-Chlorotoluene	2.381	2.877	3.160	3.216	3.338	3.413	3.064	12.48
83)	T	tert-Butylbenzene	2.875	2.757	2.886	2.881	3.222	3.413	3.006	8.43
84)	T	1,2,4-Trimethy...	2.332	2.542	2.767	3.100	3.378	3.440	2.926	15.47
85)	T	sec-Butylbenzene	3.605	3.608	3.823	3.969	4.364	4.550	3.987	9.88
86)	T	p-Isopropyltol...	2.874	2.994	3.237	3.351	3.682	3.772	3.318	10.85
87)	T	1,3-Dichlorobe...	1.975	1.943	1.931	1.836	1.857	1.882	1.904	2.83
88)	T	1,4-Dichlorobe...	2.522	2.139	2.070	1.951	1.934	1.919	2.089	10.97
89)	T	n-Butylbenzene	2.646	2.816	3.034	3.141	3.613	3.763	3.169	13.88
90)	T	Hexachloroethane	1.044	0.841	0.808	0.740	0.728	0.742	0.817	14.63
91)	T	1,2-Dichlorobe...	1.935	1.797	1.751	1.652	1.738	1.802	1.779	5.26
92)	T	1,2-Dibromo-3-...	0.476	0.333	0.299	0.283	0.285	0.302	0.330	22.39
93)	T	1,2,4-Trichlor...	1.028	0.935	0.928	0.963	1.076	1.189	1.020	9.87
94)	T	Hexachlorobuta...	0.683	0.530	0.512	0.474	0.480	0.501	0.530	14.65
95)	T	Naphthalene	3.054	2.665	2.888	3.114	3.814	4.244	3.296	18.32
96)	T	1,2,3-Trichlor...	1.113	0.901	0.974	0.973	1.107	1.191	1.043	10.58

(#) = Out of Range

2-Hexanone

Response Ratio



$$\text{Response} = 5.390\text{e-}001 * \text{Amt} - 2.507\text{e-}002$$

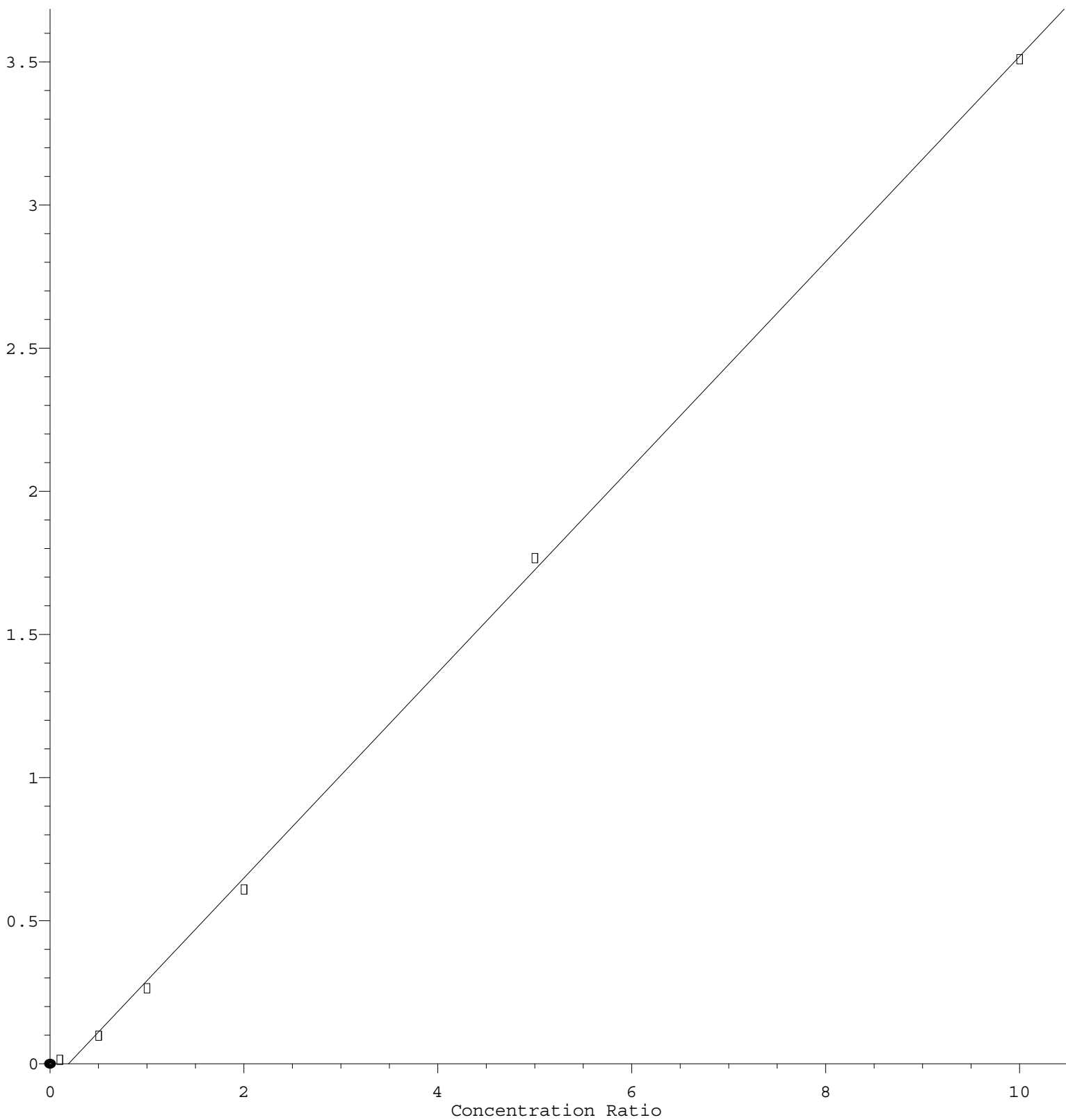
Coef of Det (r^2) = 0.999719 Curve Fit: Linear

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2-Chloroethyl Vinyl ether

Response Ratio



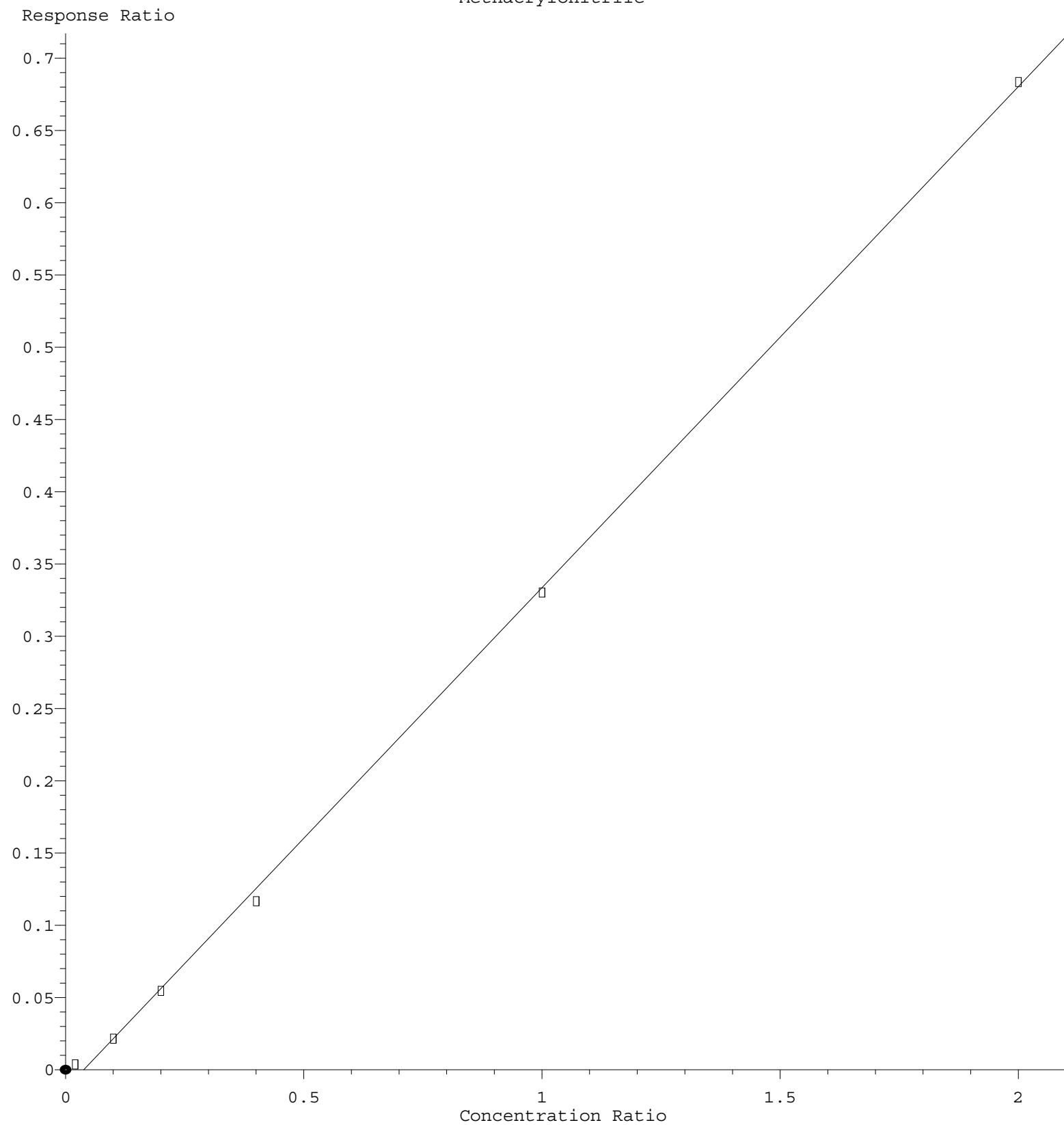
$$\text{Response} = 3.588\text{e-}001 * \text{Amt} - 6.905\text{e-}002$$

Coef of Det (r^2) = 0.999314 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V092225W.M

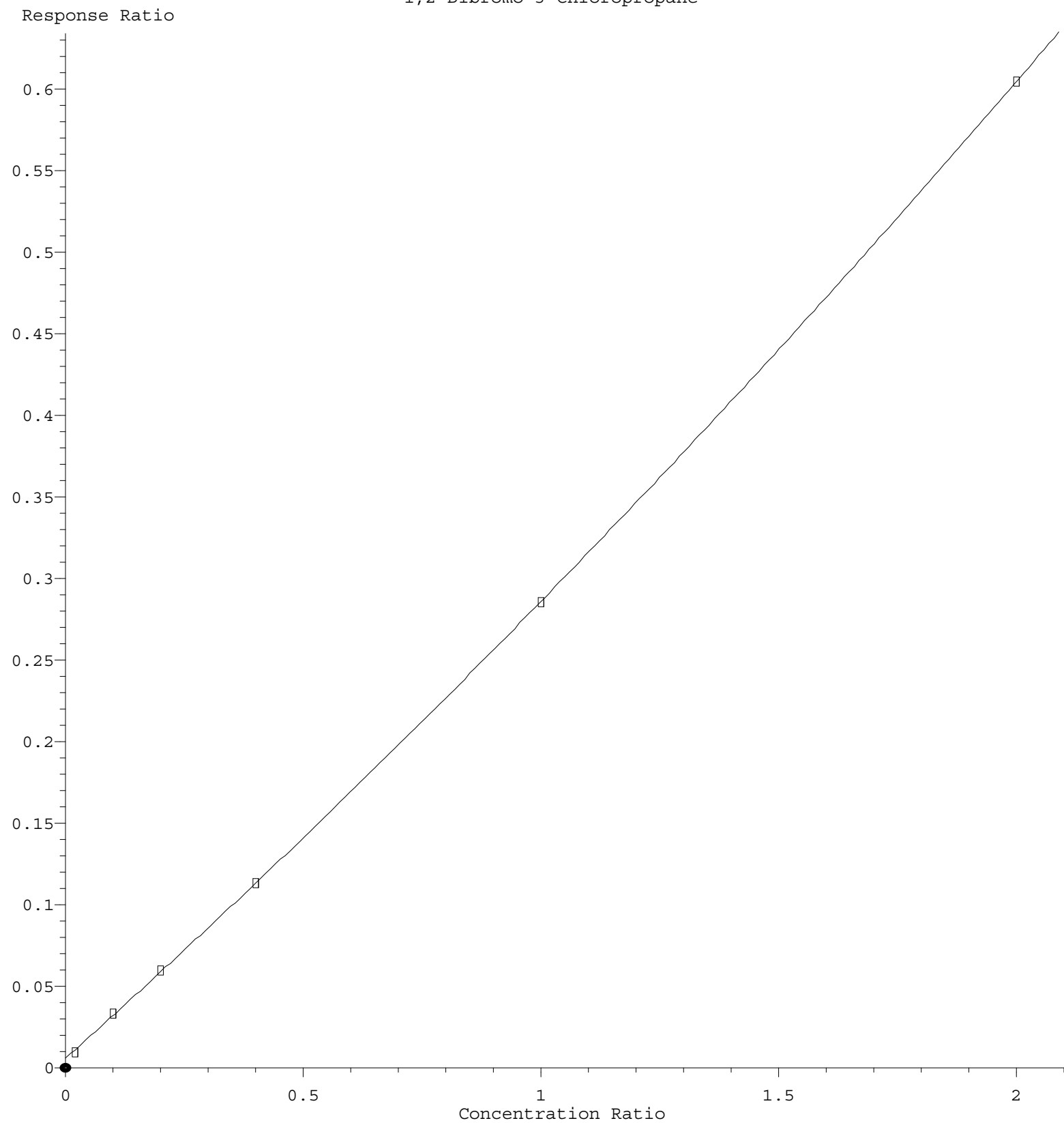
Calibration Table Last Updated: Wed Sep 24 08:08:08 2025

Methacrylonitrile



Response = $3.467 \times 10^{-1} \times \text{Amt} - 1.325 \times 10^{-2}$
Coef of Det (r^2) = 0.999425 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V092225W.M
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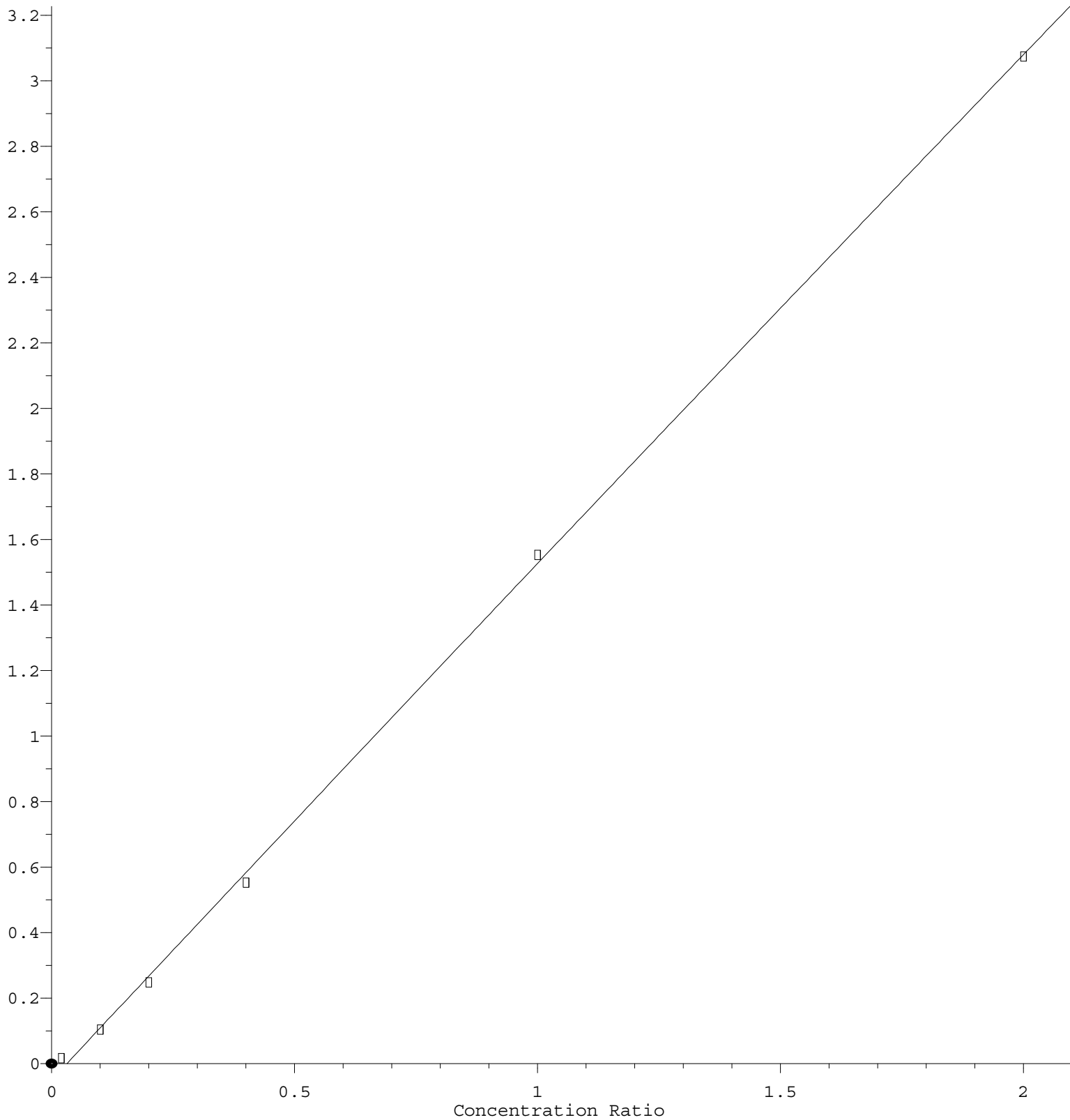
1,2-Dibromo-3-Chloropropane



$R = 1.931e-002 A^2 + 2.606e-001 A + 5.917e-003$
 Coef of Det (r^2) = 0.999981 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V092225W.M
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Styrene

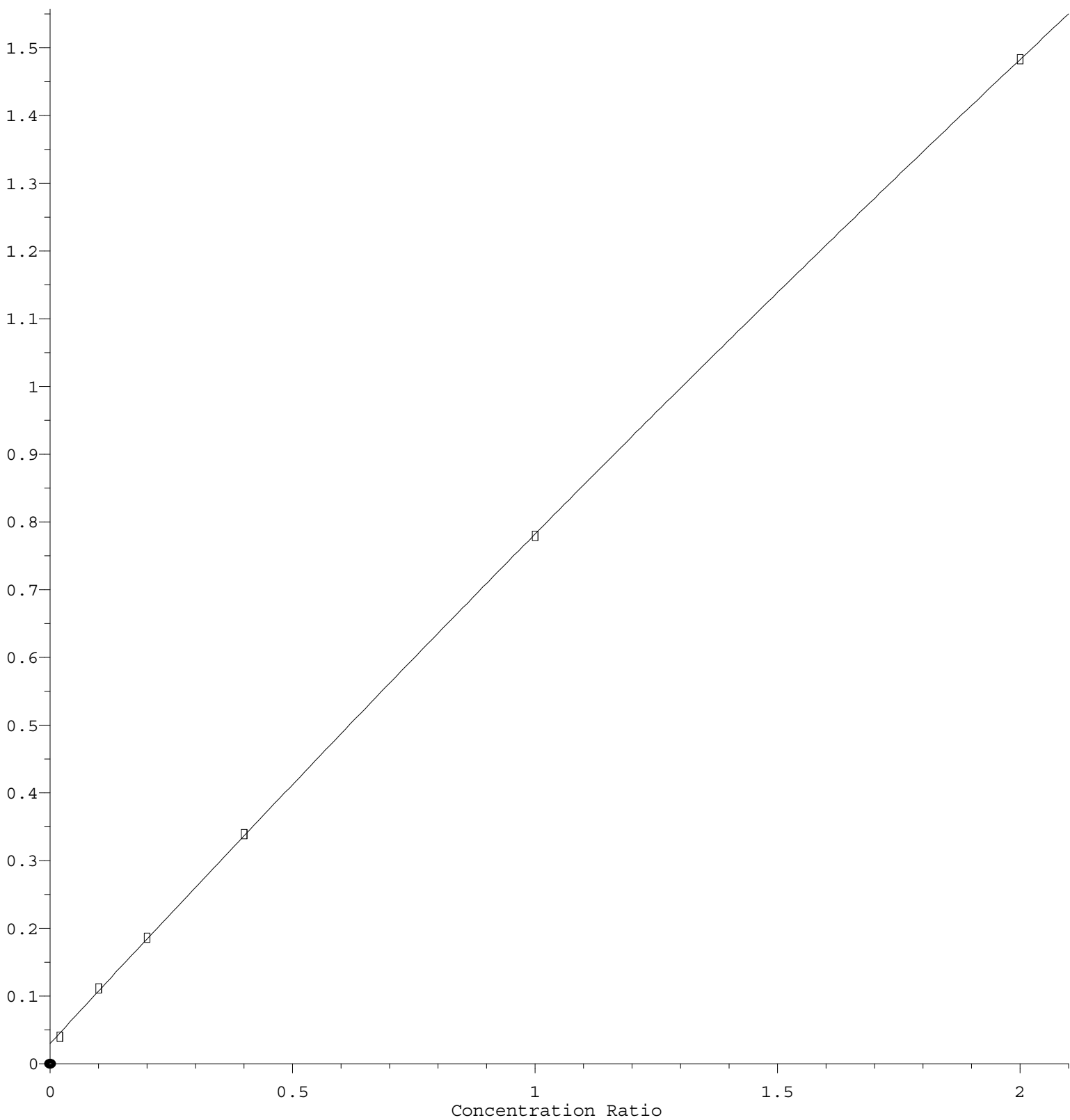
Response Ratio



$R = -1.124e-002 A^2 + 1.587e+000 A - 4.955e-002$
 Coef of Det (r^2) = 0.999540 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V092225W.M
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Methylene Chloride

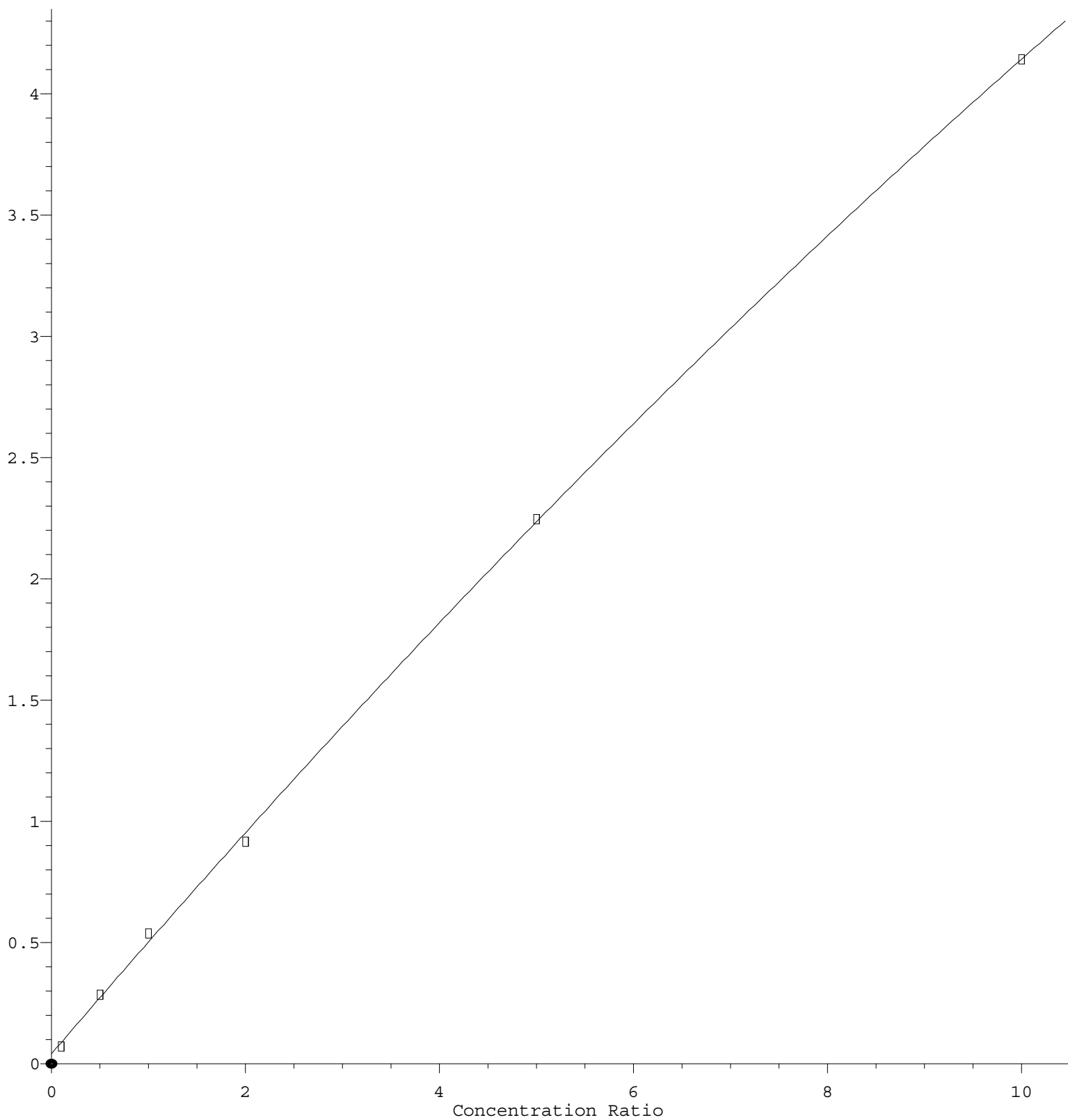
Response Ratio



$R = -2.570e-002 A^2 + 7.777e-001 A + 2.991e-002$
 Coef of Det (r^2) = 0.999960 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V092225W.M
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Acetone

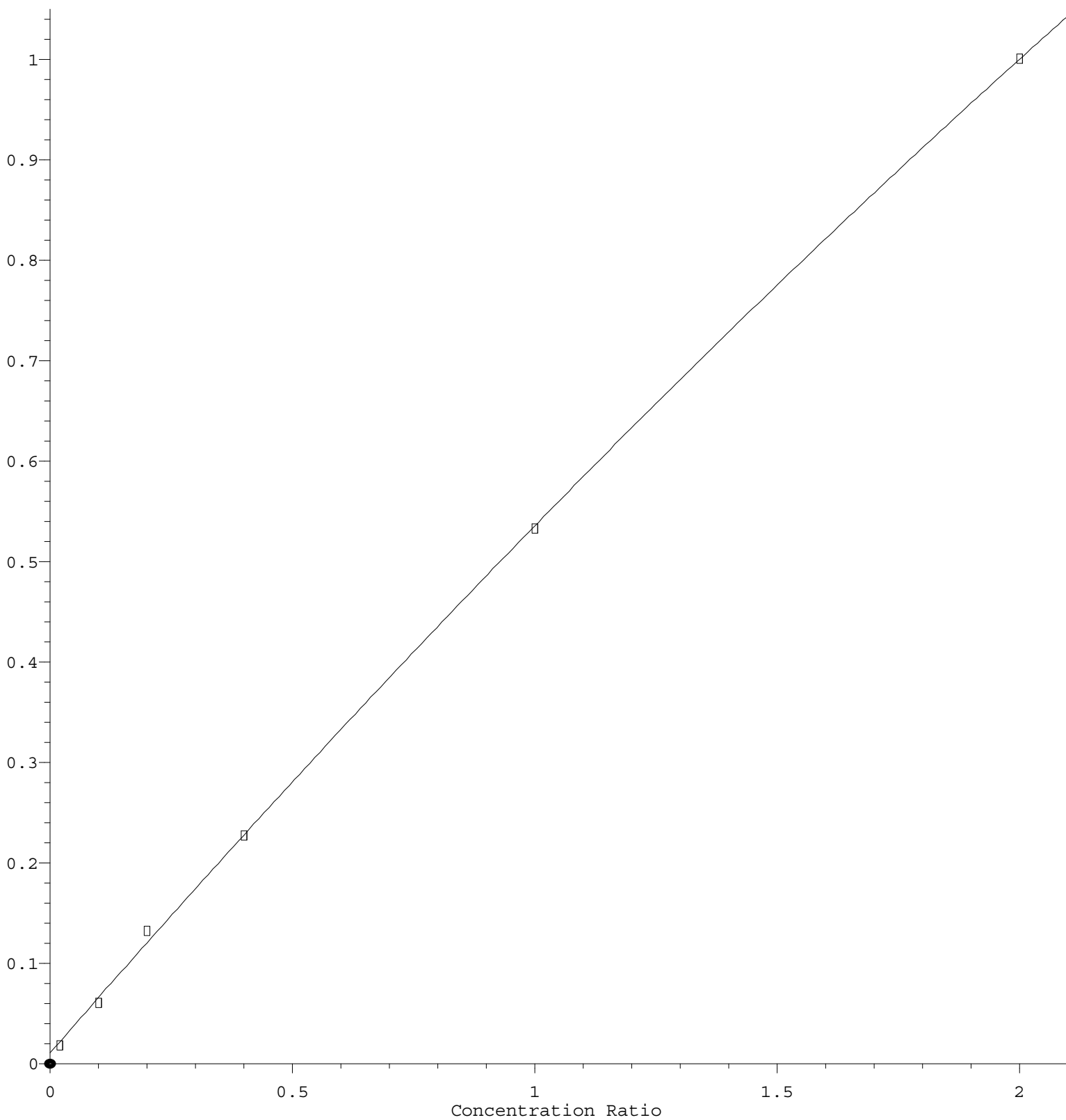
Response Ratio



$R = -5.738e-003 A^2 + 4.676e-001 A + 4.104e-002$
Coef of Det (r^2) = 0.999745 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V092225W.M
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Chloroethane

Response Ratio



$R = -3.006e-002 A^2 + 5.547e-001 A + 1.084e-002$
 Coef of Det (r^2) = 0.999734 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V092225W.M
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