

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
 Method File : 82U011123W.M
 Title : SW846 8260
 Last Update : Fri Jan 13 01:24:13 2023
 Response Via : Initial Calibration

Calibration Files

1 =VU052648.D 5 =VU052649.D 20 =VU052650.D 50 =VU052651.D 100 =VU052652.D 150 =VU052653.D

	Compound	1	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.642	0.626	0.643	0.641	0.621	0.607	0.630	2.33
3) P	Chloromethane	1.176	0.988	0.877	0.845	0.821	0.798	0.917	15.57
4) C	Vinyl Chloride	0.895	0.784	0.785	0.765	0.766	0.744	0.790	6.77#
5) T	Bromomethane		0.508	0.473	0.435	0.449	0.431	0.459	6.92
6) T	Chloroethane	0.542	0.483	0.483	0.445	0.457	0.433	0.474	8.22
7) T	Trichlorofluor...	1.080	1.048	0.996	0.970	0.951	0.906	0.992	6.44
8) T	Diethyl Ether	0.450	0.406	0.406	0.396	0.401	0.386	0.408	5.39
9) T	1,1,2-Trichlor...	0.635	0.628	0.605	0.589	0.554	0.547	0.593	6.23
10) T	Methyl Iodide		0.554	0.585	0.615	0.662	0.655	0.614	7.48
11) T	Tert butyl alc...		0.173	0.170	0.146	0.164	0.131	0.157	11.38
12) CM	1,1-Dichloroet...	0.620	0.624	0.580	0.573	0.560	0.547	0.584	5.38#
13) T	Acrolein		0.225	0.190	0.170	0.188	0.173	0.189	11.57
14) T	Allyl chloride	1.139	1.158	1.154	1.138	1.181	1.131	1.150	1.59
15) T	Acrylonitrile	0.394	0.436	0.443	0.407	0.440	0.410	0.422	4.86
16) T	Acetone	0.491	0.422	0.407	0.403	0.388	0.347	0.410	11.54
17) T	Carbon Disulfide	2.029	1.905	1.839	1.803	1.796	1.731	1.851	5.64
18) T	Methyl Acetate	1.076	1.301	1.262	1.157	1.226	1.141	1.194	7.02
19) T	Methyl tert-bu...	1.861	2.056	2.033	2.026	2.114	2.027	2.019	4.19
20) T	Methylene Chlo...	1.430	0.914	0.767	0.707	0.696	0.664	0.863	33.80
21) T	trans-1,2-Dich...	0.652	0.634	0.636	0.627	0.634	0.610	0.632	2.13
22) T	Diisopropyl ether	1.966	2.242	2.351	2.242	2.289	2.177	2.211	6.03
23) T	Vinyl Acetate	1.459	1.661	1.784	1.774	1.868	1.788	1.722	8.43
24) P	1,1-Dichloroet...	1.350	1.364	1.326	1.268	1.280	1.218	1.301	4.25
25) T	2-Butanone	0.524	0.563	0.588	0.562	0.593	0.545	0.562	4.63
26) T	2,2-Dichloropr...	1.082	1.027	1.010	0.992	1.002	0.972	1.014	3.75
27) T	cis-1,2-Dichlo...	0.728	0.749	0.727	0.702	0.725	0.698	0.722	2.62
28) T	Bromochloromet...	0.610	0.623	0.612	0.591	0.587	0.565	0.598	3.53
29) T	Tetrahydrofuran	0.284	0.341	0.371	0.339	0.372	0.340	0.341	9.36
30) C	Chloroform	1.671	1.427	1.277	1.209	1.210	1.144	1.323	14.82#
31) T	Cyclohexane		1.395	1.213	1.214	1.192	1.147	1.232	7.72
32) T	1,1,1-Trichlor...	1.059	1.107	1.058	1.008	1.014	0.968	1.036	4.71
33) S	1,2-Dichloroet...		0.897	0.820	0.765	0.769	0.743	0.799	7.72
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.370	0.351	0.342	0.332	0.328	0.344	4.84
36) T	1,1-Dichloropr...	0.559	0.540	0.533	0.558	0.535	0.527	0.542	2.50
37) T	Ethyl Acetate	0.874	0.700	0.664	0.626	0.651	0.606	0.687	14.17
38) T	Carbon Tetrach...	0.507	0.509	0.506	0.513	0.495	0.485	0.503	2.10
39) T	Methylcyclohexane	0.618	0.556	0.594	0.670	0.647	0.656	0.623	6.83
40) TM	Benzene	1.581	1.646	1.636	1.620	1.586	1.540	1.602	2.50
41) T	Methacrylonitrile	0.276	0.314	0.337	0.335	0.344	0.327	0.322	7.73
42) TM	1,2-Dichloroet...	0.581	0.605	0.595	0.578	0.561	0.535	0.576	4.32
43) T	Isopropyl Acetate	0.797	0.853	0.917	0.928	0.969	0.943	0.901	7.12
44) TM	Trichloroethene	0.413	0.374	0.374	0.380	0.368	0.363	0.379	4.66
45) C	1,2-Dichloropr...	0.471	0.430	0.455	0.445	0.436	0.424	0.444	3.94#
46) T	Dibromomethane	0.296	0.275	0.285	0.276	0.272	0.266	0.278	3.84
47) T	Bromodichlorom...	0.605	0.586	0.579	0.565	0.550	0.540	0.571	4.22
48) T	Methyl methacr...	0.366	0.376	0.420	0.431	0.464	0.454	0.419	9.55
49) T	1,4-Dioxane	0.008	0.008	0.009	0.009	0.009	0.006	0.008	15.45
50) S	Toluene-d8		1.327	1.349	1.324	1.317	1.295	1.322	1.47
51) T	4-Methyl-2-Pen...	0.472	0.559	0.625	0.618	0.650	0.610	0.589	10.96
52) CM	Toluene	0.843	0.920	0.981	0.991	0.967	0.949	0.942	5.78#
53) T	t-1,3-Dichloro...	0.525	0.577	0.597	0.626	0.645	0.644	0.602	7.73
54) T	cis-1,3-Dichlo...	0.606	0.611	0.649	0.687	0.695	0.689	0.656	6.14
55) T	1,1,2-Trichlor...	0.397	0.407	0.393	0.388	0.380	0.367	0.389	3.63
56) T	Ethyl methacry...	0.410	0.501	0.571	0.625	0.674	0.659	0.573	17.82

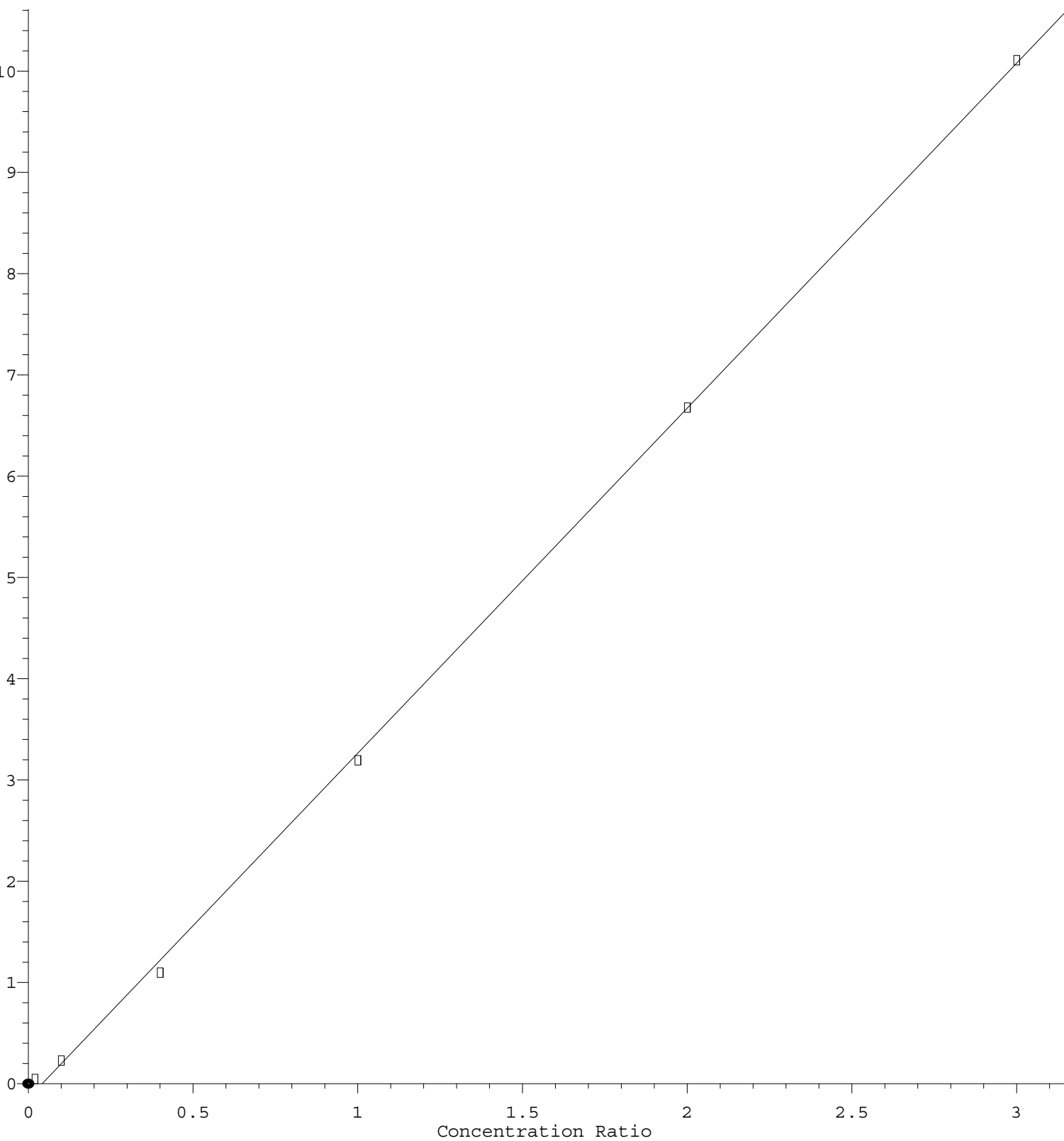
Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
 Method File : 82U011123W.M

57)	T	1,3-Dichloropr...	0.637	0.704	0.712	0.714	0.713	0.686	0.694	4.30
58)	T	2-Chloroethyl ...	0.011	0.017	0.014	0.021	0.032	0.033	0.021	42.92
59)	T	2-Hexanone	0.354	0.414	0.475	0.482	0.506	0.470	0.450	12.49
60)	T	Dibromochlorom...	0.398	0.402	0.407	0.406	0.410	0.399	0.404	1.16
61)	T	1,2-Dibromoethane	0.362	0.391	0.405	0.404	0.408	0.394	0.394	4.36
62)	S	4-Bromofluorob...	0.434	0.474	0.491	0.499	0.499	0.479		5.69
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.324	0.329	0.325	0.336	0.317	0.315	0.324	2.45
65)	PM	Chlorobenzene	1.093	1.072	1.064	1.072	1.049	1.041	1.065	1.74
66)	T	1,1,1,2-Tetrac...	0.370	0.395	0.396	0.390	0.381	0.377	0.385	2.77
67)	C	Ethyl Benzene	1.684	1.681	1.848	1.974	1.944	1.951	1.847	7.30#
68)	T	m/p-Xylenes	0.553	0.633	0.731	0.767	0.744	0.745	0.696	12.07
69)	T	o-Xylene	0.522	0.606	0.676	0.724	0.724	0.722	0.662	12.49
70)	T	Styrene	0.822	0.959	1.162	1.239	1.242	1.237	1.110	16.04
71)	P	Bromoform	0.332	0.310	0.319	0.318	0.332	0.326	0.323	2.72
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.019	3.231	3.519	3.675	3.543	3.546	3.422	7.19
74)	T	N-amyl acetate	1.287	1.423	1.531	1.635	1.759	1.748	1.564	11.96
75)	P	1,1,2,2-Tetrac...	1.666	1.568	1.421	1.348	1.357	1.302	1.444	9.90
76)	T	1,2,3-Trichlor...	1.776	1.616	1.539	1.518	1.548	1.503	1.584	6.45
77)	T	Bromobenzene	0.924	0.874	0.834	0.835	0.831	0.812	0.852	4.78
78)	T	n-propylbenzene	3.526	3.736	4.317	4.582	4.399	4.418	4.163	10.24
79)	T	2-Chlorotoluene	2.381	2.443	2.653	2.657	2.594	2.549	2.546	4.44
80)	T	1,3,5-Trimethy...	2.371	2.594	3.030	3.129	3.078	3.083	2.881	11.04
81)	T	trans-1,4-Dich...	0.350	0.401	0.417	0.457	0.450	0.415		10.36
82)	T	4-Chlorotoluene	2.419	2.836	3.013	3.133	3.026	2.997	2.904	8.82
83)	T	tert-Butylbenzene	2.578	2.662	2.862	3.053	3.028	3.042	2.871	7.25
84)	T	1,2,4-Trimethy...	2.253	2.522	2.988	3.114	3.074	3.088	2.840	12.79
85)	T	sec-Butylbenzene	2.865	3.273	3.750	3.982	3.908	3.947	3.621	12.52
86)	T	p-Isopropyltol...	2.181	2.612	3.057	3.337	3.277	3.329	2.966	15.93
87)	T	1,3-Dichlorobe...	1.674	1.656	1.608	1.647	1.636	1.632	1.642	1.36
88)	T	1,4-Dichlorobe...	1.795	1.686	1.634	1.692	1.661	1.643	1.685	3.47
89)	T	n-Butylbenzene	2.058	2.329	2.597	2.998	3.032	3.182	2.699	16.49
90)	T	Hexachloroethane	0.587	0.563	0.566	0.591	0.588	0.595	0.582	2.35
91)	T	1,2-Dichlorobe...	1.610	1.656	1.630	1.655	1.630	1.609	1.632	1.26
92)	T	1,2-Dibromo-3-...	0.339	0.306	0.298	0.299	0.310	0.300	0.309	5.07
93)	T	1,2,4-Trichlor...	0.852	0.821	0.913	1.035	1.037	1.092	0.958	11.64
94)	T	Hexachlorobuta...	0.570	0.491	0.460	0.510	0.492	0.507	0.505	7.21
95)	T	Naphthalene	2.286	2.289	2.740	3.194	3.338	3.369	2.869	17.55
96)	T	1,2,3-Trichlor...	0.863	0.858	0.922	1.016	1.023	1.063	0.957	9.21

(#) = Out of Range

Naphthalene

Response Ratio



$$\text{Response} = 3.406\text{e}+000 * \text{Amt} - 1.430\text{e}-001$$

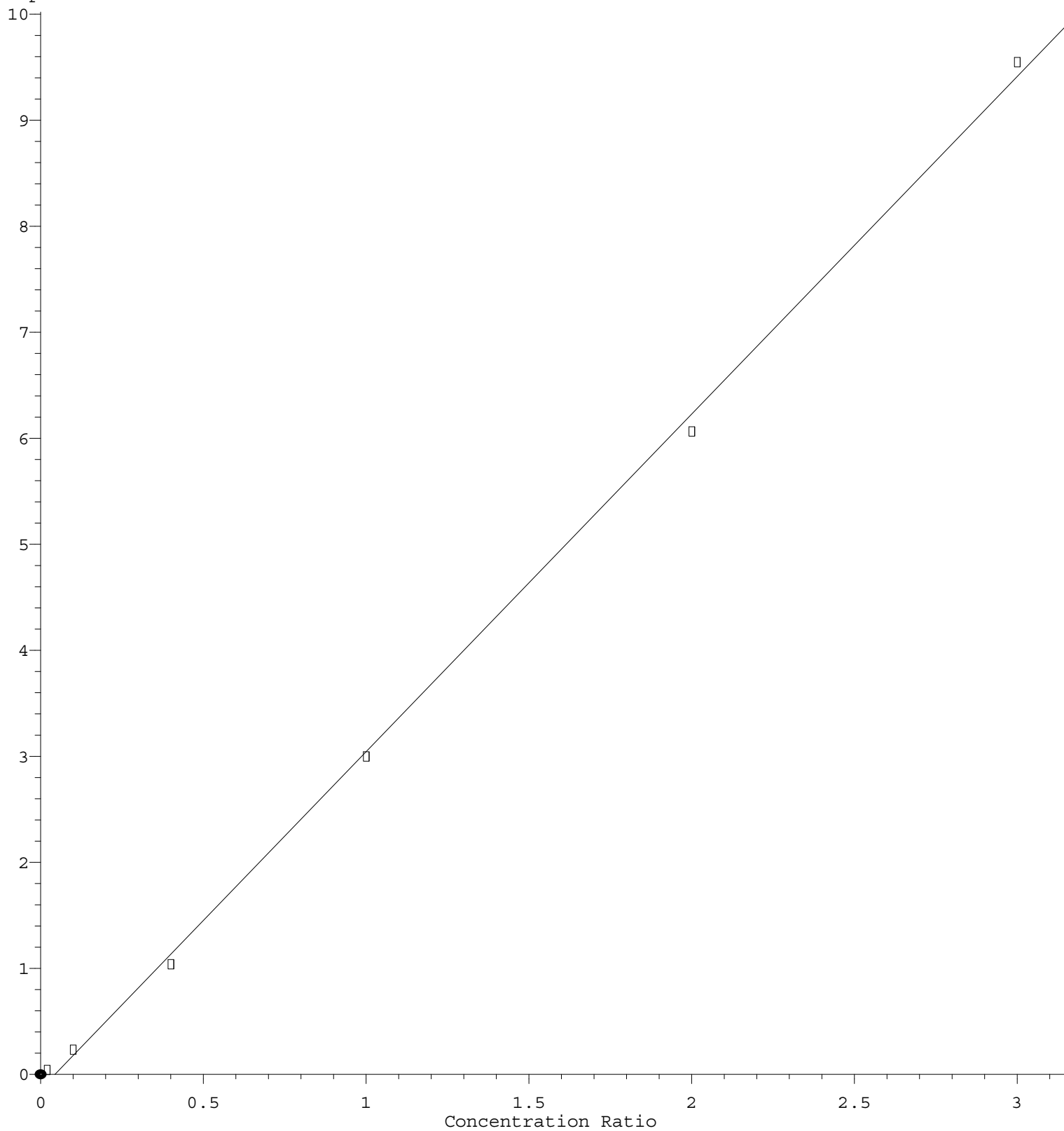
Coef of Det (r^2) = 0.999555 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U011123W.M

Calibration Table Last Updated: Fri Jan 13 01:24:13 2023

n-Butylbenzene

Response Ratio



$$\text{Response} = 3.184\text{e}+000 * \text{Amt} - 1.395\text{e}-001$$

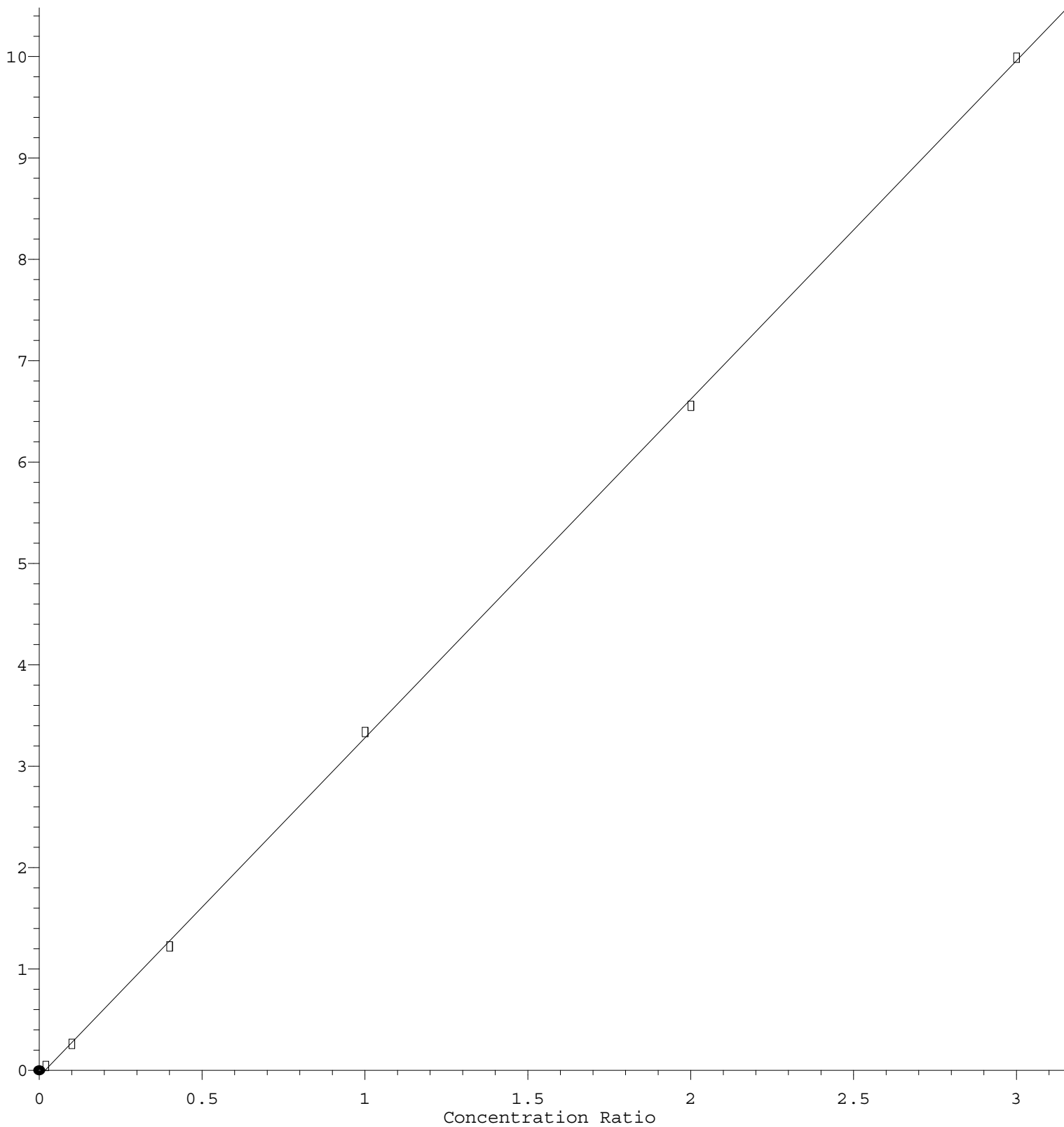
Coef of Det (r^2) = 0.998981 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U011123W.M

Calibration Table Last Updated: Fri Jan 13 01:24:13 2023

p-Isopropyltoluene

Response Ratio



$$\text{Response} = 3.340\text{e}+000 * \text{Amt} - 6.146\text{e}-002$$

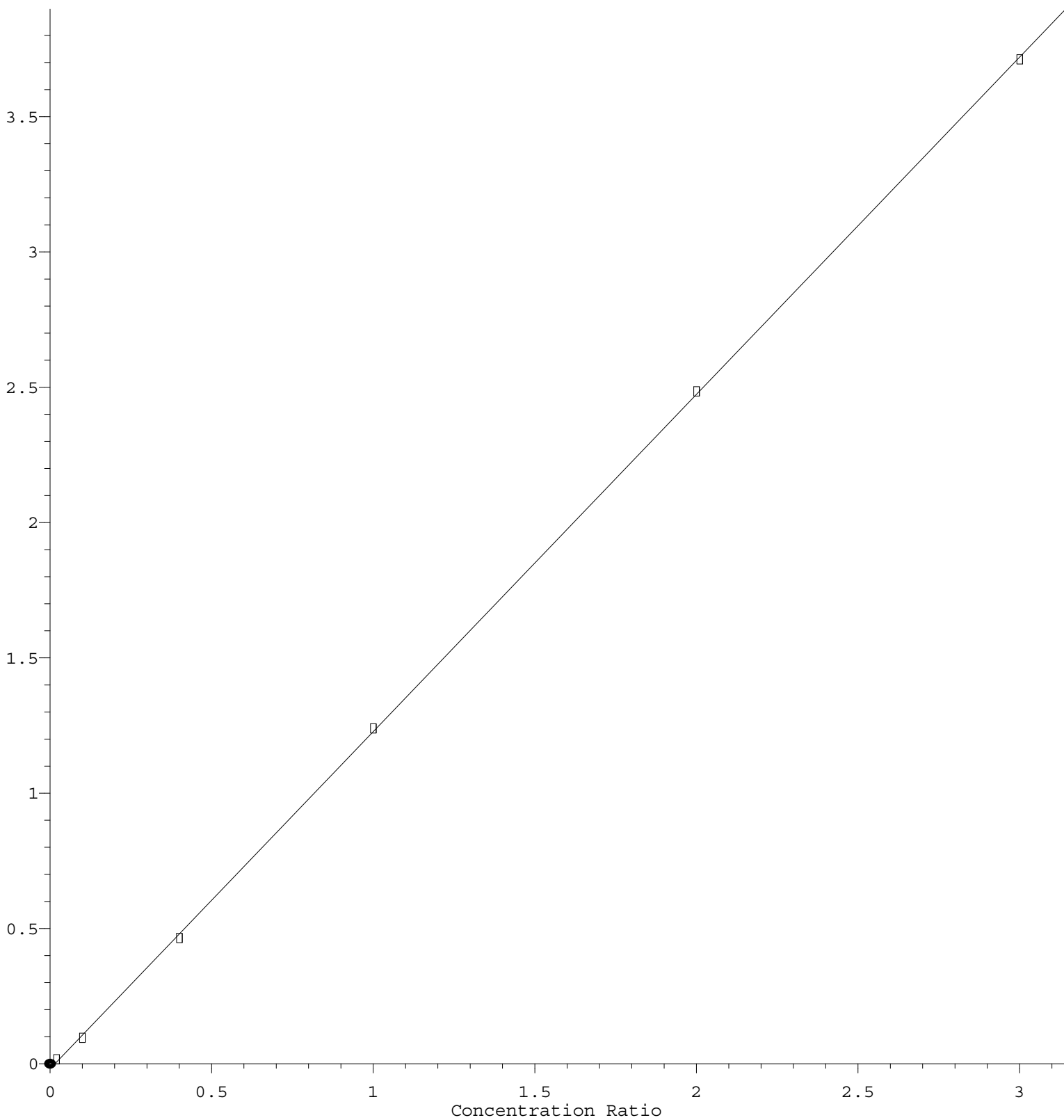
Coef of Det (r^2) = 0.999840 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U011123W.M

Calibration Table Last Updated: Fri Jan 13 01:24:13 2023

Styrene

Response Ratio



$$\text{Response} = 1.246 \times 10^0 \times \text{Amt} - 1.909 \times 10^{-2}$$

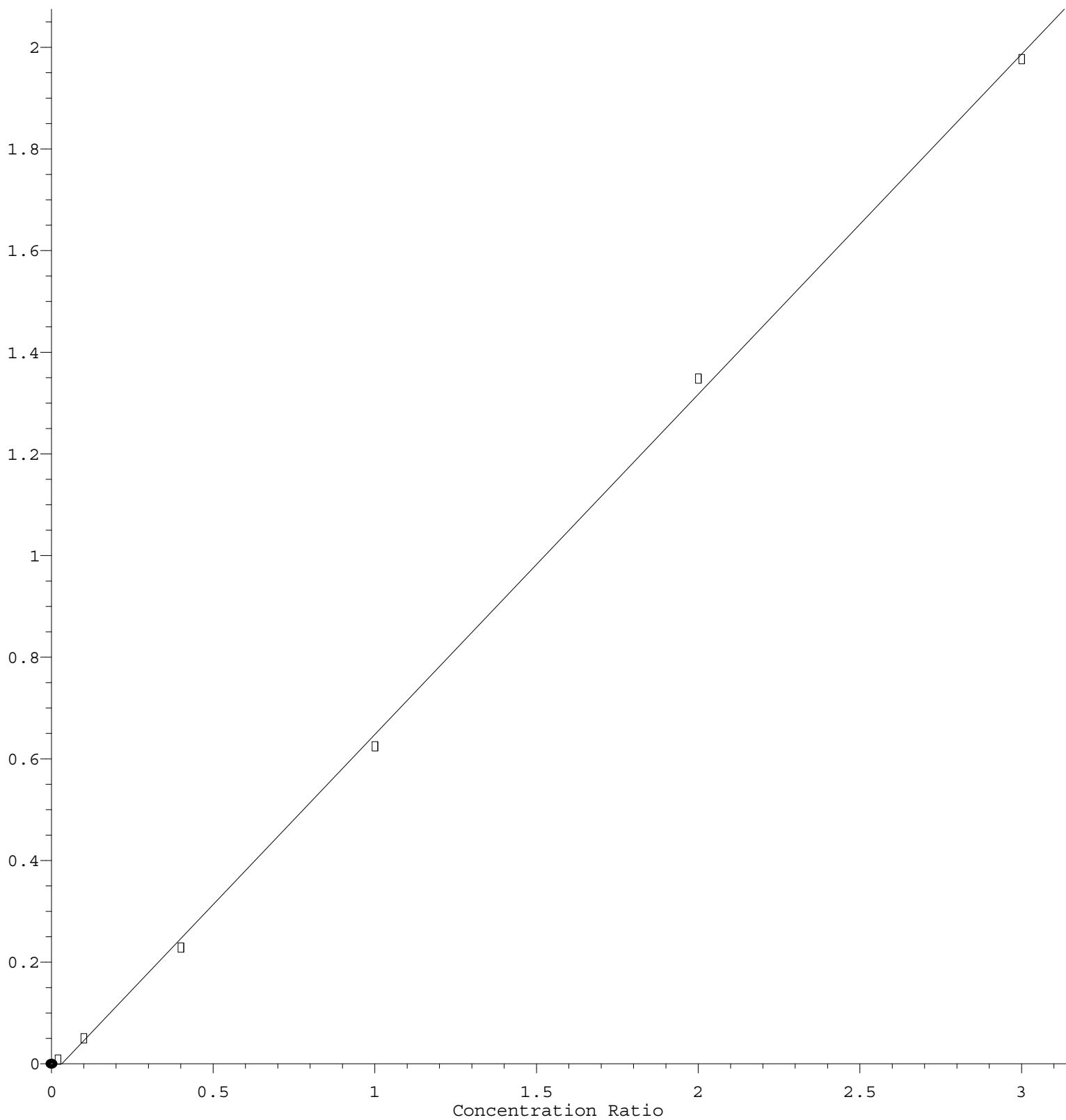
Coef of Det (r^2) = 0.999932 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U011123W.M

Calibration Table Last Updated: Fri Jan 13 01:24:13 2023

Ethyl methacrylate

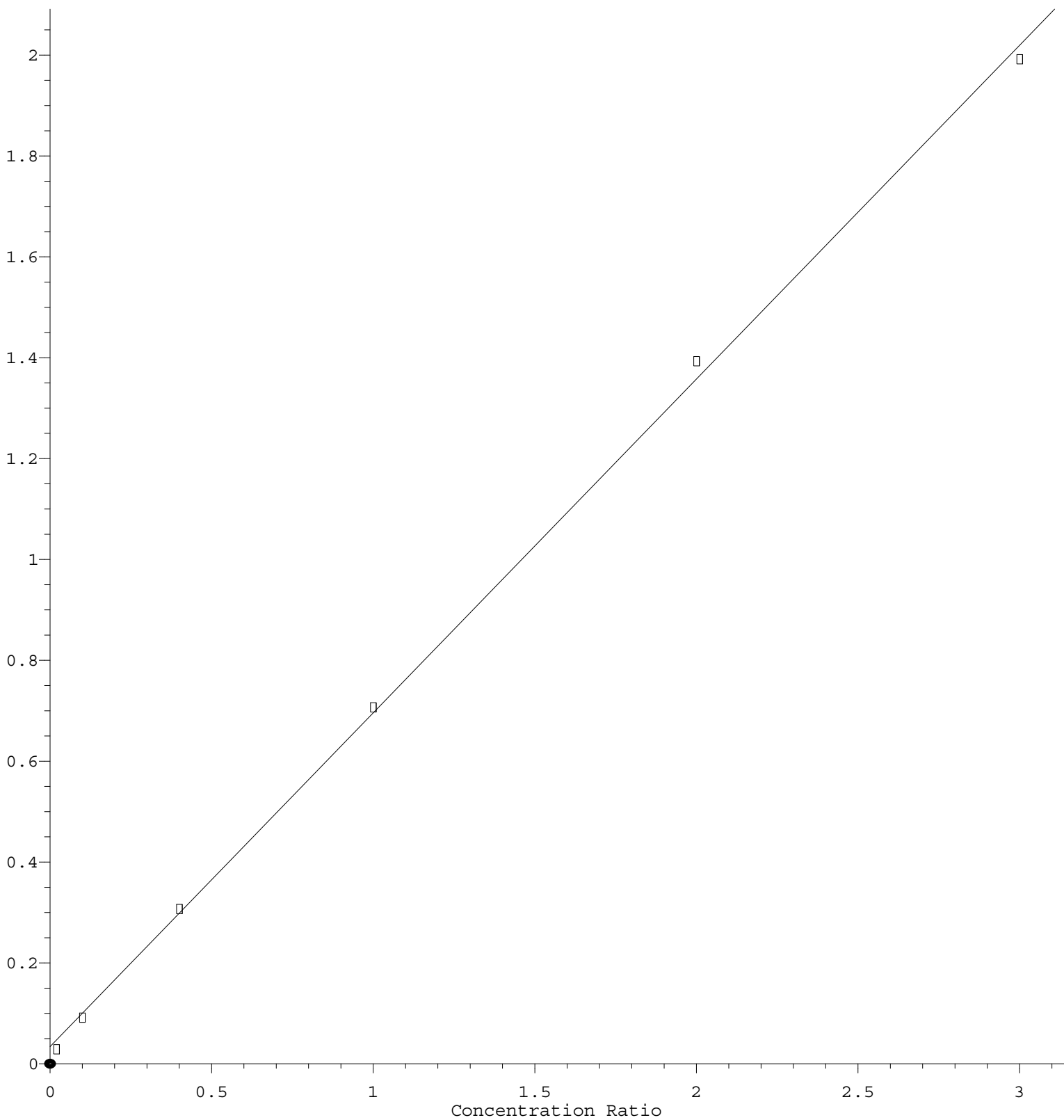
Response Ratio



Response = 6.696e-001 * Amt - 2.155e-002
Coef of Det (r^2) = 0.999307 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U011123W.M
Calibration Table Last Updated: Fri Jan 13 01:24:13 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 6.620\text{e-}001 * \text{Amt} + 3.362\text{e-}002$$

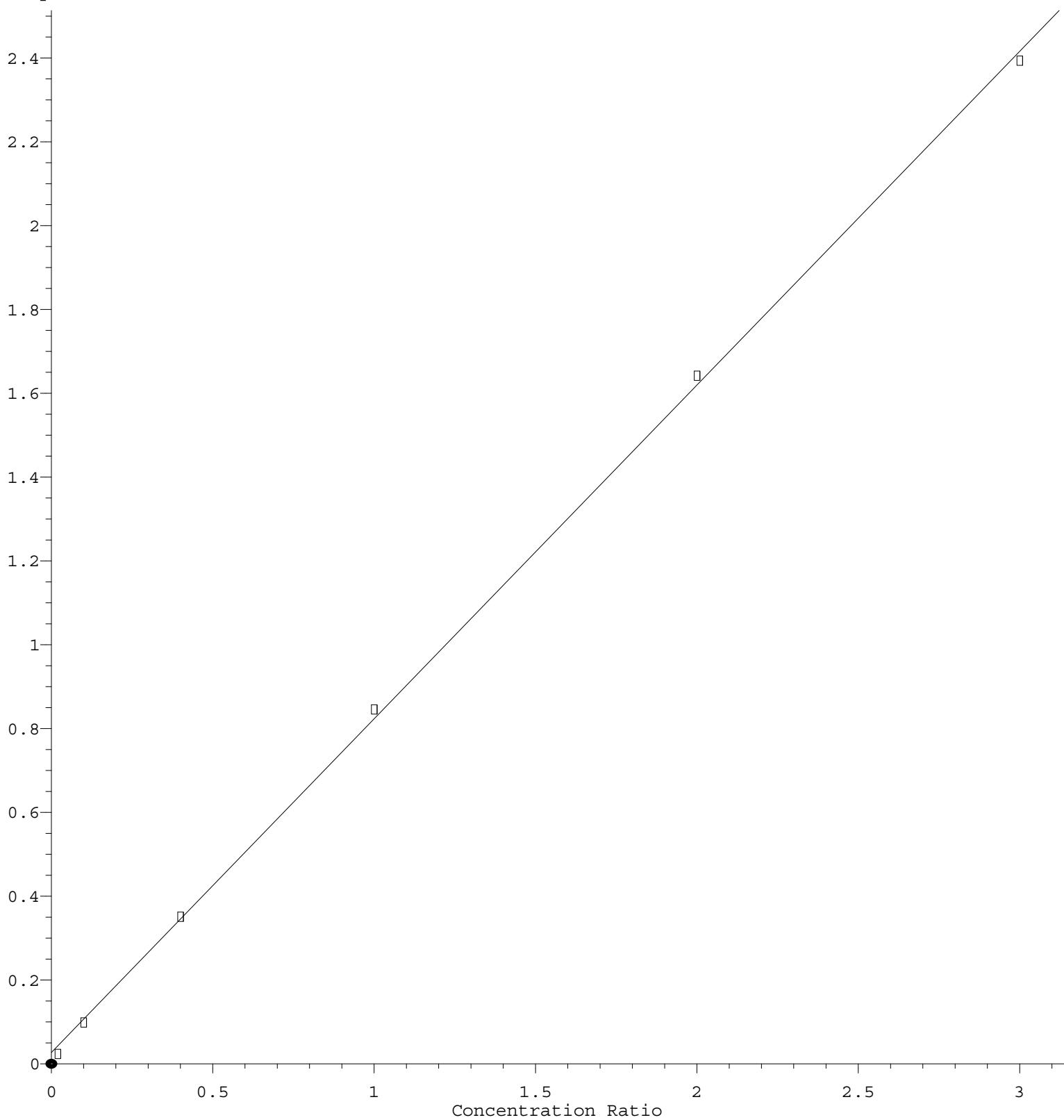
Coef of Det (r^2) = 0.999155 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U011123W.M

Calibration Table Last Updated: Fri Jan 13 01:24:13 2023

Chloromethane

Response Ratio



$$\text{Response} = 7.963\text{e-}001 * \text{Amt} + 2.700\text{e-}002$$

Coef of Det (r^2) = 0.999565 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\82U011123W.M

Calibration Table Last Updated: Fri Jan 13 01:24:13 2023