

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N021522W.M
 Title : SW846 8260
 Last Update : Mon Feb 21 07:57:15 2022
 Response Via : Initial Calibration

Calibration Files

1 =VN070946.D 5 =VN070947.D 20 =VN070948.D 50 =VN070949.D 100 =VN070950.D 150 =VN070951.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.561	0.528	0.497	0.504	0.533	0.493	0.519	5.04
3) P	Chloromethane	0.761	0.689	0.622	0.605	0.643	0.597	0.653	9.57
4) C	Vinyl Chloride	0.757	0.651	0.619	0.616	0.666	0.612	0.653	8.45#
5) T	Bromomethane		0.427	0.384	0.374	0.385	0.285	0.371	14.07
6) T	Chloroethane	0.535	0.477	0.389	0.385	0.415	0.372	0.429	14.92
7) T	Trichlorofluor...	0.967	0.826	0.775	0.775	0.824	0.746	0.819	9.63
8) T	Diethyl Ether	0.397	0.371	0.337	0.338	0.364	0.328	0.356	7.34
9) T	1,1,2-Trichlor...	0.558	0.519	0.482	0.477	0.512	0.467	0.502	6.77
10) T	Methyl Iodide		0.641	0.668	0.710	0.760	0.700	0.696	6.50
11) T	Tert butyl alc...		0.093	0.096	0.105	0.114	0.113	0.104	9.22
12) CM	1,1-Dichloroet...	0.554	0.499	0.464	0.461	0.502	0.458	0.490	7.55#
13) T	Acrolein		0.126	0.081	0.082	0.094	0.082	0.093	20.73
14) T	Allyl chloride	1.125	0.864	0.872	0.886	0.964	0.890	0.934	10.76
15) T	Acrylonitrile	0.314	0.291	0.298	0.300	0.327	0.309	0.307	4.23
16) T	Acetone	0.379	0.306	0.331	0.299	0.300	0.272	0.315	11.75
17) T	Carbon Disulfide	1.616	1.411	1.312	1.316	1.431	1.336	1.404	8.21
18) T	Methyl Acetate	1.025	0.801	0.672	0.665	0.720	0.670	0.759	18.49
19) T	Methyl tert-bu...	1.662	1.661	1.687	1.713	1.860	1.719	1.717	4.31
20) T	Methylene Chlo...	0.649	0.597	0.541	0.539	0.574	0.530	0.572	7.96
21) T	trans-1,2-Dich...	0.550	0.545	0.506	0.506	0.546	0.499	0.525	4.53
22) T	Diisopropyl ether	1.697	1.780	1.788	1.783	1.929	1.766	1.791	4.25
23) T	Vinyl Acetate	1.403	1.465	1.485	1.530	1.667	1.544	1.516	5.90
24) P	1,1-Dichloroet...	1.065	1.018	0.976	0.971	1.045	0.948	1.004	4.57
25) T	2-Butanone	0.395	0.406	0.421	0.420	0.449	0.420	0.418	4.37
26) T	2,2-Dichloropr...	0.848	0.807	0.817	0.822	0.885	0.826	0.834	3.41
27) T	cis-1,2-Dichlo...	0.600	0.610	0.593	0.588	0.640	0.592	0.604	3.19
28) T	Bromochloromet...	0.353	0.428	0.396	0.407	0.445	0.407	0.406	7.70
29) T	Tetrahydrofuran	0.262	0.265	0.268	0.266	0.291	0.273	0.271	3.89
30) C	Chloroform	1.040	1.034	0.953	0.951	1.013	0.933	0.987	4.78#
31) T	Cyclohexane		1.137	0.968	0.931	0.990	0.913	0.988	9.00
32) T	1,1,1-Trichlor...	0.825	0.859	0.841	0.845	0.909	0.837	0.853	3.48
33) S	1,2-Dichloroet...		0.603	0.527	0.580	0.580	0.565	0.571	4.90
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.297	0.286	0.308	0.297	0.298	0.297	2.64
36) T	1,1-Dichloropr...	0.507	0.482	0.477	0.475	0.509	0.475	0.487	3.30
37) T	Ethyl Acetate	0.480	0.540	0.514	0.520	0.556	0.526	0.523	4.95
38) T	Carbon Tetrach...	0.480	0.479	0.470	0.468	0.508	0.476	0.480	2.97
39) T	Methylcyclohexane	0.626	0.621	0.603	0.621	0.666	0.625	0.627	3.34
40) TM	Benzene	1.449	1.499	1.424	1.405	1.485	1.386	1.441	3.10
41) T	Methacrylonitrile	0.261	0.263	0.282	0.292	0.284	0.269	0.275	4.51
42) TM	1,2-Dichloroet...	0.509	0.510	0.479	0.473	0.501	0.473	0.491	3.54
43) T	Isopropyl Acetate	0.766	0.780	0.809	0.829	0.901	0.859	0.824	6.13
44) TM	Trichloroethene	0.376	0.395	0.374	0.365	0.396	0.371	0.380	3.38
45) C	1,2-Dichloropr...	0.360	0.375	0.364	0.364	0.391	0.362	0.369	3.22#
46) T	Dibromomethane	0.248	0.247	0.239	0.237	0.252	0.236	0.243	2.70
47) T	Bromodichlorom...	0.491	0.490	0.480	0.477	0.520	0.489	0.491	3.09
48) T	Methyl methacr...	0.340	0.366	0.375	0.399	0.436	0.423	0.390	9.32
49) T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.007	0.007	0.007	4.20
50) S	Toluene-d8		1.226	1.122	1.230	1.200	1.193	1.194	3.63
51) T	4-Methyl-2-Pen...	0.446	0.481	0.498	0.503	0.549	0.529	0.501	7.22
52) CM	Toluene	0.834	0.930	0.901	0.905	0.961	0.903	0.906	4.62#
53) T	t-1,3-Dichloro...	0.458	0.505	0.516	0.541	0.603	0.580	0.534	9.85
54) T	cis-1,3-Dichlo...	0.532	0.560	0.570	0.595	0.645	0.616	0.586	6.94
55) T	1,1,2-Trichlor...	0.373	0.353	0.340	0.345	0.370	0.347	0.354	3.85
56) T	Ethyl methacry...	0.420	0.480	0.522	0.559	0.620	0.604	0.534	14.29

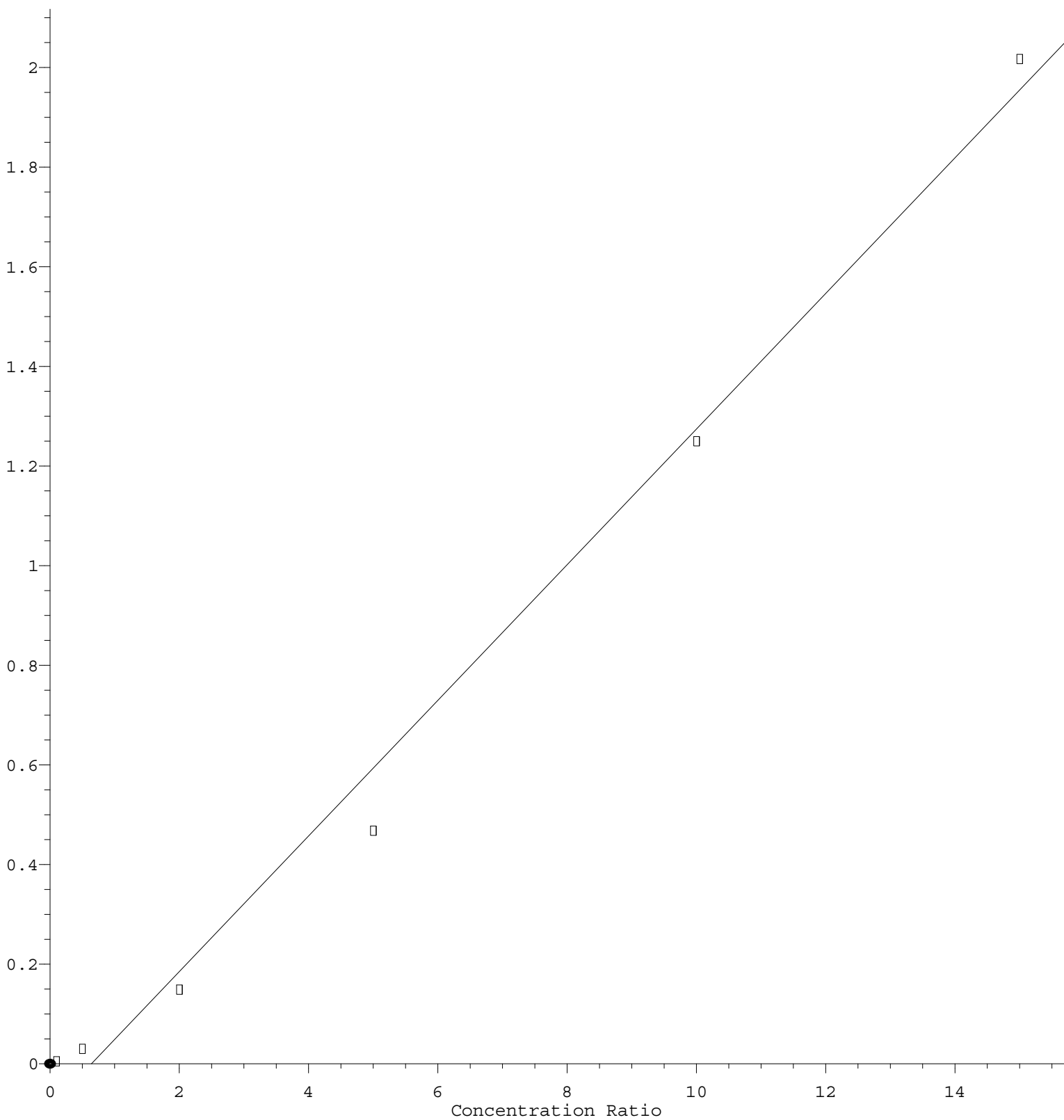
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 Method File : 82N021522W.M

57)	T	1,3-Dichloropr...	0.601	0.607	0.604	0.611	0.645	0.610	0.613	2.64
58)	T	2-Chloroethyl ...	0.050	0.060	0.074	0.094	0.125	0.134	0.090	38.46
59)	T	2-Hexanone	0.269	0.317	0.346	0.357	0.392	0.386	0.345	13.37
60)	T	Dibromochlorom...	0.337	0.361	0.362	0.382	0.414	0.392	0.375	7.20
61)	T	1,2-Dibromoethane	0.335	0.359	0.356	0.359	0.386	0.369	0.361	4.55
62)	S	4-Bromofluorob...		0.415	0.383	0.437	0.443	0.458	0.427	6.82
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.437	0.424	0.388	0.369	0.377	0.341	0.389	9.15
65)	PM	Chlorobenzene	1.149	1.103	1.039	1.043	1.108	1.022	1.077	4.63
66)	T	1,1,1,2-Tetrac...	0.411	0.373	0.385	0.386	0.416	0.385	0.393	4.35
67)	C	Ethyl Benzene	1.797	1.903	1.865	1.888	2.011	1.850	1.886	3.78#
68)	T	m/p-Xylenes	0.677	0.720	0.729	0.740	0.782	0.721	0.728	4.70
69)	T	o-Xylene	0.655	0.700	0.710	0.716	0.771	0.717	0.712	5.22
70)	T	Styrene	0.923	1.078	1.115	1.175	1.282	1.215	1.131	11.06
71)	P	Bromoform	0.286	0.291	0.303	0.315	0.351	0.331	0.313	7.95
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.950	4.330	4.029	3.885	4.105	3.849	4.025	4.38
74)	T	N-amyl acetate	1.091	1.125	1.213	1.329	1.497	1.464	1.286	13.35
75)	P	1,1,2,2-Tetrac...	1.400	1.437	1.268	1.173	1.240	1.154	1.279	9.12
76)	T	1,2,3-Trichlor...	1.228	1.149	1.282	1.221	1.041	1.143	1.177	7.18
77)	T	Bromobenzene	0.999	1.046	0.978	0.936	1.001	0.952	0.985	4.00
78)	T	n-propylbenzene	4.355	4.530	4.580	4.431	4.745	4.490	4.522	2.98
79)	T	2-Chlorotoluene	2.791	2.806	2.736	2.649	2.815	2.679	2.746	2.55
80)	T	1,3,5-Trimethy...	2.974	3.424	3.294	3.214	3.420	3.236	3.261	5.10
81)	T	trans-1,4-Dich...		0.322	0.327	0.356	0.410	0.401	0.363	11.31
82)	T	4-Chlorotoluene	2.536	2.708	2.661	2.626	2.797	2.666	2.666	3.25
83)	T	tert-Butylbenzene	3.632	3.079	3.017	2.959	3.024	2.843	3.092	8.93
84)	T	1,2,4-Trimethy...	2.969	3.373	3.197	3.142	3.374	3.203	3.210	4.76
85)	T	sec-Butylbenzene	3.719	4.156	4.123	4.003	4.330	4.116	4.074	5.00
86)	T	p-Isopropyltol...	2.877	3.265	3.389	3.374	3.665	3.498	3.345	7.96
87)	T	1,3-Dichlorobe...	1.742	1.764	1.728	1.704	1.805	1.721	1.744	2.08
88)	T	1,4-Dichlorobe...	1.746	1.774	1.667	1.642	1.758	1.667	1.709	3.31
89)	T	n-Butylbenzene	2.578	2.457	2.643	2.729	3.028	2.939	2.729	7.99
90)	T	Hexachloroethane	0.572	0.561	0.573	0.589	0.660	0.629	0.597	6.49
91)	T	1,2-Dichlorobe...	1.747	1.652	1.603	1.587	1.669	1.568	1.638	4.02
92)	T	1,2-Dibromo-3-...	0.197	0.183	0.197	0.209	0.231	0.227	0.207	9.01
93)	T	1,2,4-Trichlor...	0.625	0.693	0.793	0.865	0.967	0.941	0.814	16.77
94)	T	Hexachlorobuta...	0.721	0.610	0.589	0.566	0.573	0.526	0.597	11.13
95)	T	Naphthalene	0.816	1.090	1.457	1.931	2.399	2.422	1.686	40.00
96)	T	1,2,3-Trichlor...	0.562	0.597	0.699	0.787	0.896	0.876	0.736	19.08

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 1.361\text{e-}001 * \text{Amt} - 8.658\text{e-}002$$

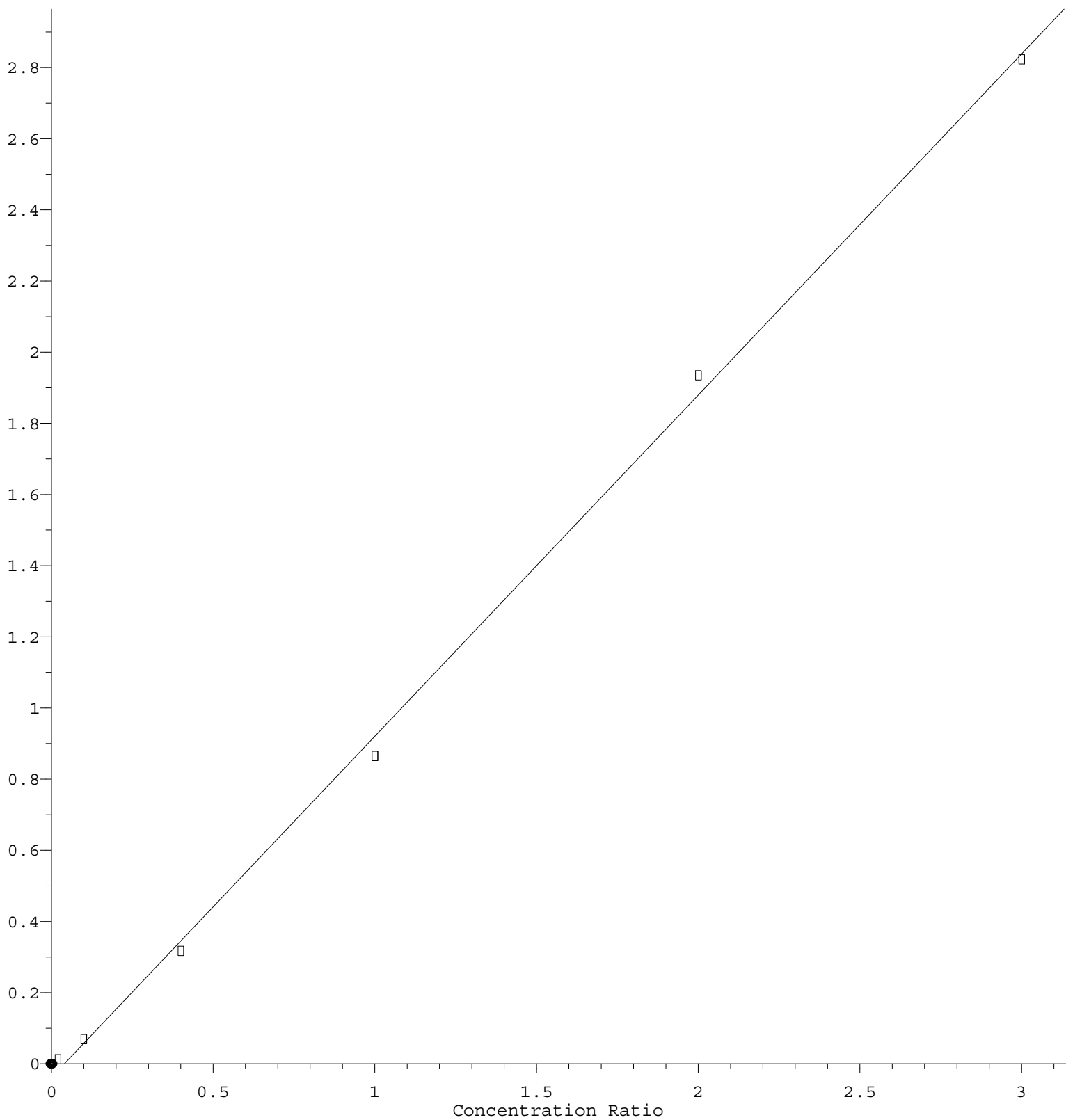
Coef of Det (r^2) = 0.990905 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021522W.M

Calibration Table Last Updated: Mon Feb 21 07:57:15 2022

1,2,4-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.589\text{e-}001 * \text{Amt} - 3.833\text{e-}002$$

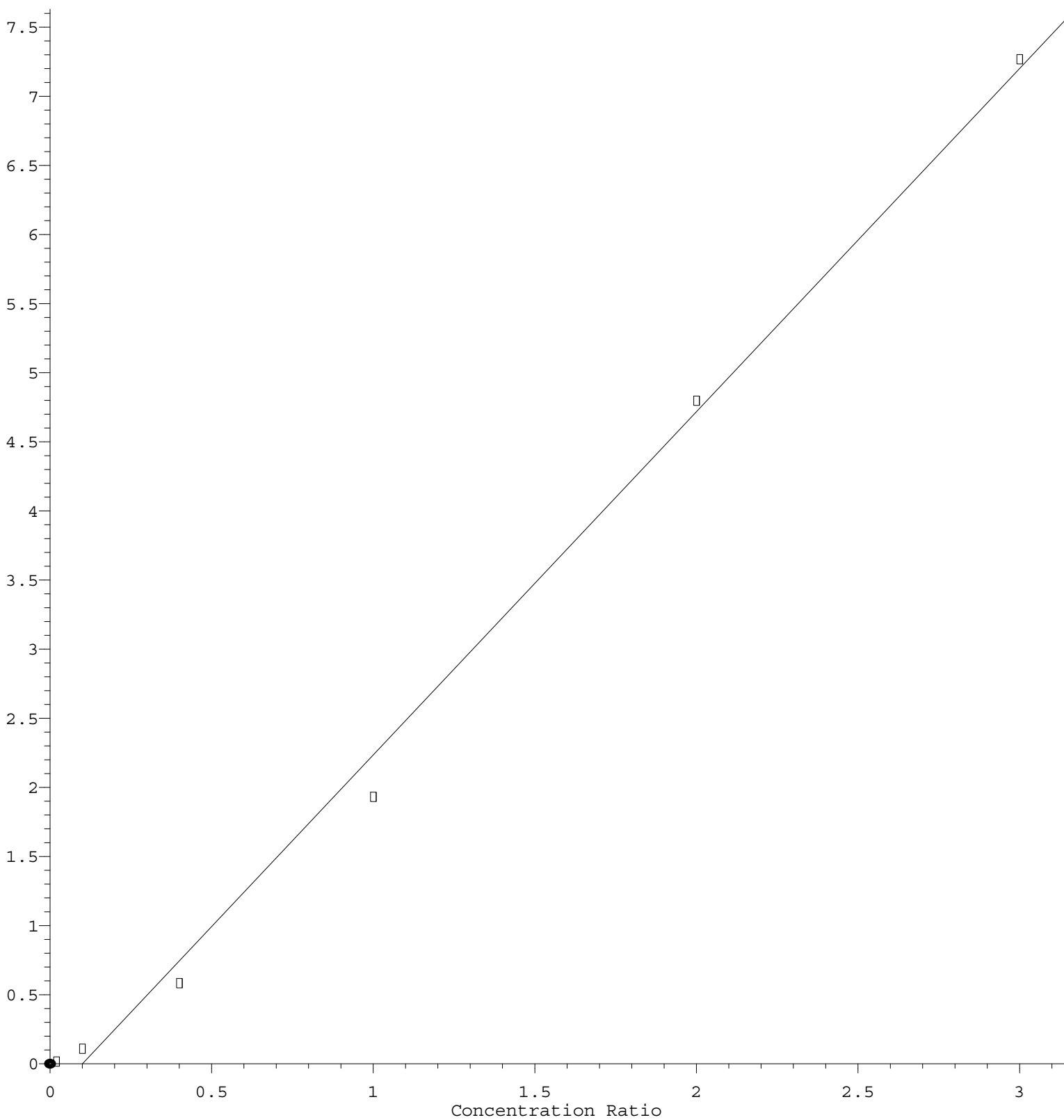
Coef of Det (r^2) = 0.998722 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021522W.M

Calibration Table Last Updated: Mon Feb 21 07:57:15 2022

Naphthalene

Response Ratio



$$\text{Response} = 2.483\text{e}+000 * \text{Amt} - 2.478\text{e}-001$$

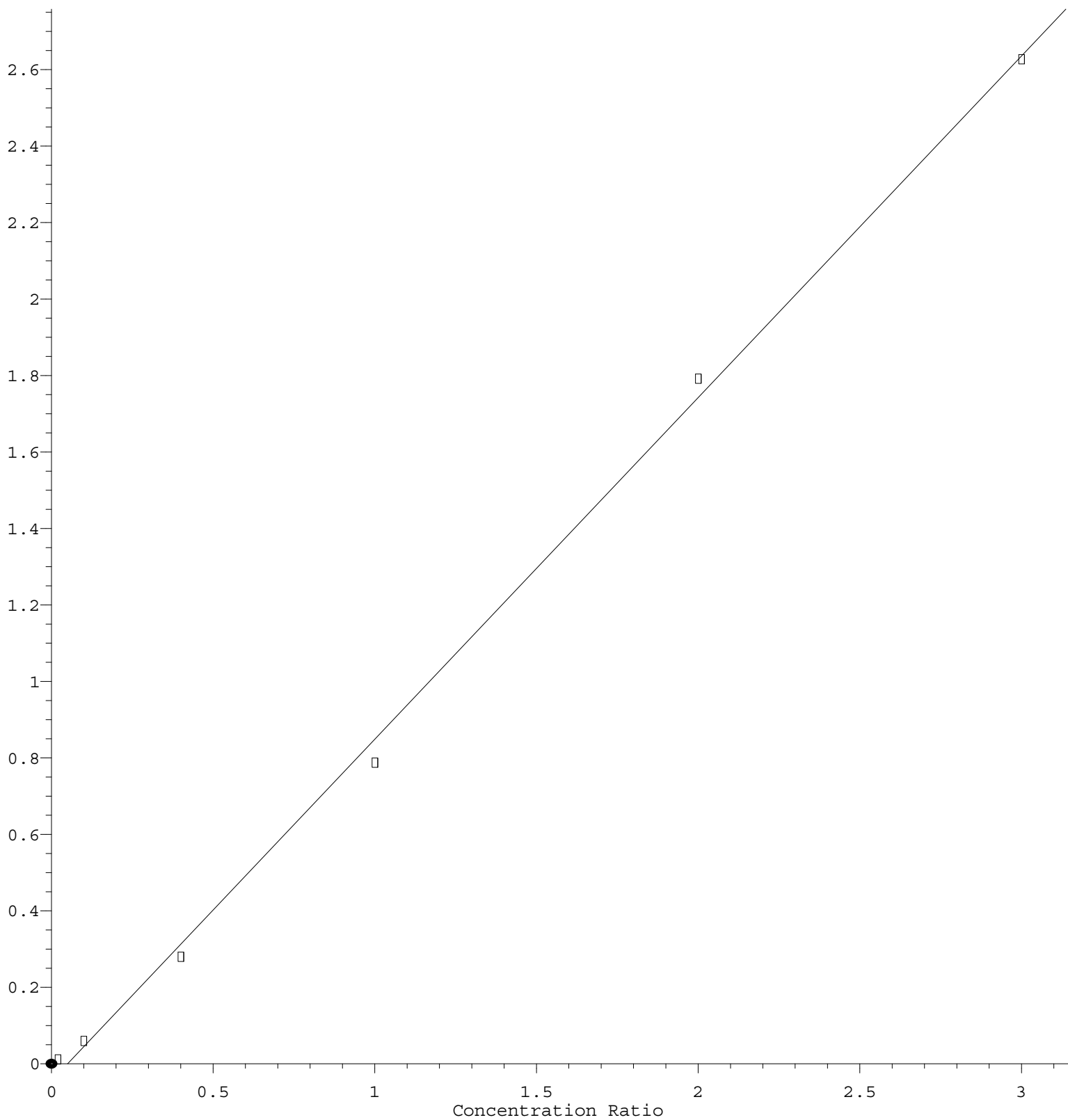
Coef of Det (r^2) = 0.995726 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021522W.M

Calibration Table Last Updated: Mon Feb 21 07:57:15 2022

1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 8.936\text{e-}001 * \text{Amt} - 4.496\text{e-}002$$

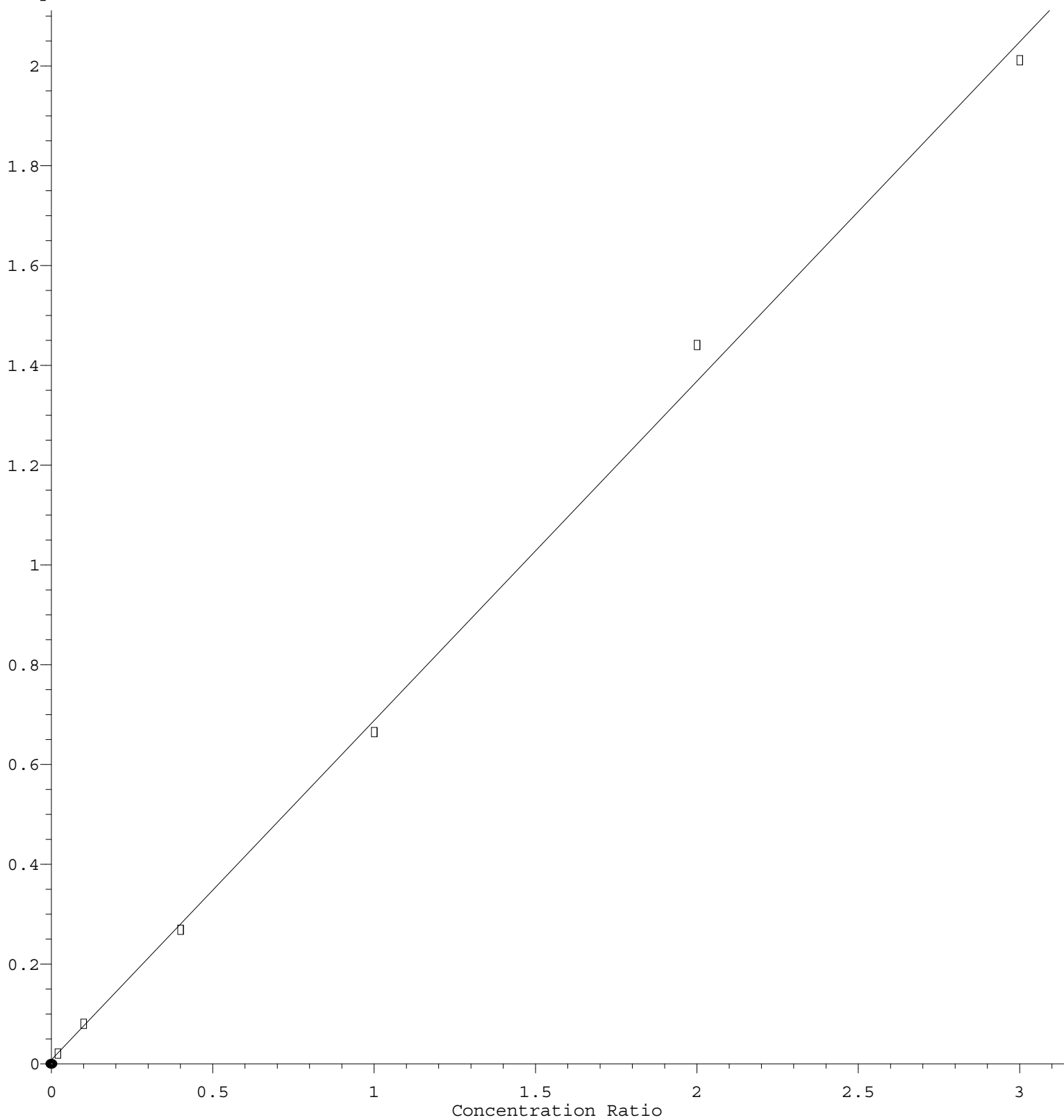
Coef of Det (r^2) = 0.998402 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021522W.M

Calibration Table Last Updated: Mon Feb 21 07:57:15 2022

Methyl Acetate

Response Ratio



Response = $6.804 \times 10^{-1} \times \text{Amt} + 8.299 \times 10^{-3}$
Coef of Det (r^2) = 0.997784 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021522W.M
Calibration Table Last Updated: Mon Feb 21 07:57:15 2022