

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N090222W.M
 Title : SW846 8260
 Last Update : Sat Sep 03 04:35:33 2022
 Response Via : Initial Calibration

Calibration Files

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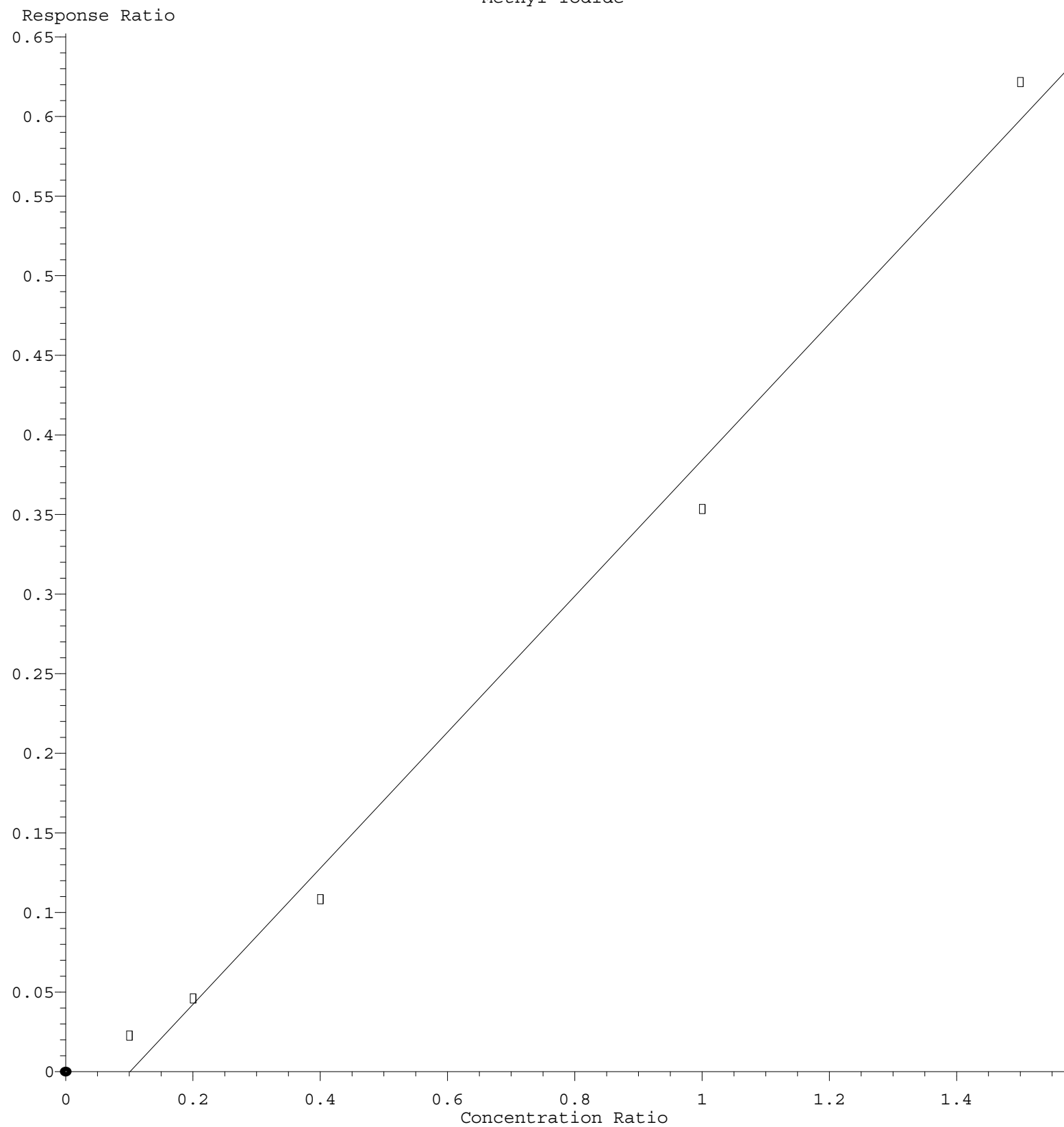
	Compound	1	5	10	20	50	75	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.574	0.455	0.435	0.412	0.462	0.503	0.474	12.21
3) P	Chloromethane	0.862	0.655	0.683	0.619	0.659	0.621	0.683	13.35
4) C	Vinyl Chloride	1.226	1.290	1.258	1.244	1.273	1.335	1.271	3.00#
5) T	Bromomethane		1.003	0.821	0.826	0.758	0.865	0.855	10.68
6) T	Chloroethane	0.787	1.074	1.136	0.986	1.012	1.012	1.001	11.79
7) T	Trichlorofluor...	1.093	0.940	0.857	0.869	0.805	0.827	0.898	11.76
8) T	Diethyl Ether	0.416	0.384	0.365	0.347	0.340	0.343	0.366	8.14
9) T	1,1,2-Trichlor...	0.678	0.542	0.531	0.510	0.490	0.517	0.545	12.46
10) T	Methyl Iodide		0.226	0.230	0.271	0.353	0.414	0.299	27.55
11) T	Tert butyl alc...		0.146	0.137	0.143	0.136	0.145	0.141	3.36
12) CM	1,1-Dichloroet...	0.598	0.496	0.465	0.461	0.458	0.476	0.492	10.90#
13) T	Acrolein	0.108	0.103	0.091	0.094	0.085	0.091	0.095	8.93
14) T	Allyl chloride	0.930	0.736	0.765	0.778	0.761	0.779	0.791	8.77
15) T	Acrylonitrile	0.418	0.391	0.379	0.370	0.377	0.398	0.389	4.50
16) T	Acetone	0.386	0.326	0.315	0.318	0.298	0.311	0.326	9.50
17) T	Carbon Disulfide	1.566	1.189	1.105	1.075	1.199	1.240	1.229	14.33
18) T	Methyl Acetate	1.223	1.008	0.956	0.941	0.858	0.896	0.980	13.22
19) T	Methyl tert-bu...	1.864	1.984	1.876	1.972	1.941	2.068	1.951	3.88
20) T	Methylene Chlo...	0.889	0.730	0.622	0.623	0.581	0.604	0.675	17.33
21) T	trans-1,2-Dich...	0.557	0.600	0.544	0.541	0.556	0.586	0.564	4.24
22) T	Diisopropyl ether	1.556	1.838	1.812	1.860	1.987	2.096	1.858	9.84
23) T	Vinyl Acetate	1.422	1.534	1.563	1.608	1.723	1.839	1.615	9.13
24) P	1,1-Dichloroet...	1.142	1.122	1.125	1.105	1.091	1.130	1.119	1.62
25) T	2-Butanone	0.528	0.553	0.534	0.553	0.555	0.577	0.550	3.18
26) T	2,2-Dichloropr...	0.982	0.940	0.857	0.880	0.882	0.915	0.909	5.05
27) T	cis-1,2-Dichlo...	0.760	0.749	0.677	0.693	0.701	0.727	0.718	4.58
28) T	Bromochloromet...	0.391	0.520	0.286	0.395	0.381	0.392	0.394	18.93
29) T	Tetrahydrofuran	0.329	0.343	0.340	0.348	0.362	0.384	0.351	5.48
30) C	Chloroform	1.264	1.237	1.186	1.224	1.228	1.291	1.238	2.90#
31) T	Cyclohexane		1.254	1.016	0.975	0.971	0.990	1.041	11.54
32) T	1,1,1-Trichlor...	0.973	1.045	0.965	1.029	1.052	1.098	1.027	4.92
33) S	1,2-Dichloroet...		0.737	0.682	0.829	0.831	0.818	0.779	8.57
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.308	0.301	0.352	0.349	0.346	0.331	7.39
36) T	1,1-Dichloropr...	0.473	0.476	0.462	0.439	0.479	0.493	0.470	3.87
37) T	Ethyl Acetate	0.768	0.554	0.605	0.566	0.580	0.616	0.615	12.77
38) T	Carbon Tetrach...	0.518	0.464	0.451	0.457	0.475	0.486	0.475	5.19
39) T	Methylcyclohexane	0.596	0.529	0.536	0.549	0.589	0.601	0.567	5.69
40) TM	Benzene	1.493	1.453	1.452	1.454	1.507	1.541	1.483	2.46
41) T	Methacrylonitrile	0.290	0.279	0.274	0.287	0.257	0.273	0.277	4.33
42) TM	1,2-Dichloroet...	0.638	0.534	0.524	0.540	0.532	0.542	0.552	7.73
43) T	Isopropyl Acetate	0.893	0.855	0.845	0.898	0.922	0.949	0.894	4.42
44) TM	Trichloroethene	0.399	0.359	0.328	0.337	0.341	0.355	0.353	7.12
45) C	1,2-Dichloropr...	0.371	0.363	0.358	0.381	0.369	0.372	0.369	2.12#
46) T	Dibromomethane	0.306	0.272	0.271	0.277	0.279	0.283	0.281	4.58
47) T	Bromodichlorom...	0.455	0.519	0.511	0.526	0.528	0.556	0.516	6.52
48) T	Methyl methacr...	0.410	0.369	0.356	0.397	0.383	0.442	0.393	7.87
49) T	1,4-Dioxane	0.010	0.010	0.010	0.010	0.010	0.010	0.010	2.90
50) S	Toluene-d8		1.187	1.139	1.362	1.427	1.418	1.306	10.30
51) T	4-Methyl-2-Pen...	0.527	0.597	0.622	0.647	0.666	0.693	0.625	9.34
52) CM	Toluene	0.746	0.884	0.919	0.949	0.983	1.020	0.917	10.50#
53) T	t-1,3-Dichloro...	0.457	0.491	0.495	0.520	0.572	0.617	0.525	11.23
54) T	cis-1,3-Dichlo...	0.515	0.551	0.558	0.584	0.607	0.643	0.576	7.85
55) T	1,1,2-Trichlor...	0.406	0.378	0.377	0.392	0.401	0.407	0.393	3.45
56) T	Ethyl methacry...	0.494	0.528	0.542	0.607	0.649	0.691	0.586	13.05

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N090222W.M

57)	T	1,3-Dichloropr...	0.667	0.648	0.676	0.672	0.676	0.697	0.673	2.34
58)	T	2-Chloroethyl ...	0.217	0.283	0.280	0.291	0.311	0.336	0.286	13.90
59)	T	2-Hexanone	0.398	0.434	0.455	0.495	0.517	0.541	0.473	11.41
60)	T	Dibromochlorom...	0.374	0.372	0.365	0.392	0.415	0.424	0.390	6.33
61)	T	1,2-Dibromoethane	0.373	0.381	0.368	0.402	0.412	0.428	0.394	6.03
62)	S	4-Bromofluorob...	0.344	0.333	0.422	0.469	0.492	0.412	17.50	
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.323	0.339	0.325	0.294	0.300	0.305	0.314	5.53
65)	PM	Chlorobenzene	1.054	1.133	1.104	1.081	1.101	1.112	1.098	2.48
66)	T	1,1,1,2-Tetrac...	0.413	0.413	0.389	0.399	0.417	0.405	0.406	2.59
67)	C	Ethyl Benzene	1.919	1.998	1.907	2.018	2.111	2.135	2.015	4.70#
68)	T	m/p-Xylenes	0.718	0.691	0.725	0.776	0.792	0.811	0.752	6.32
69)	T	o-Xylene	0.695	0.736	0.741	0.758	0.786	0.788	0.751	4.67
70)	T	Styrene	1.006	1.116	1.142	1.255	1.323	1.371	1.202	11.47
71)	P	Bromoform	0.280	0.264	0.285	0.297	0.312	0.327	0.294	7.68
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.130	4.551	4.368	4.396	4.399	4.425	4.378	3.14
74)	T	N-amyl acetate	1.828	1.806	1.839	1.846	1.925	1.960	1.867	3.24
75)	P	1,1,2,2-Tetrac...	1.564	1.823	1.694	1.597	1.541	1.528	1.625	7.00
76)	T	1,2,3-Trichlor...	1.491	1.597	1.278	1.424	1.266	1.441	1.416	8.98
77)	T	Bromobenzene	1.016	1.066	0.942	0.916	0.957	0.935	0.972	5.90
78)	T	n-propylbenzene	4.556	4.914	4.937	5.095	5.239	5.287	5.005	5.34
79)	T	2-Chlorotoluene	3.206	3.281	2.981	2.971	2.981	3.016	3.073	4.40
80)	T	1,3,5-Trimethy...	3.239	3.463	3.479	3.590	3.674	3.618	3.511	4.45
81)	T	trans-1,4-Dich...	0.407	0.400	0.432	0.455	0.487	0.436	8.27	
82)	T	4-Chlorotoluene	3.024	2.740	2.786	2.904	2.908	2.945	2.885	3.62
83)	T	tert-Butylbenzene	3.202	3.231	3.115	3.170	3.197	3.201	3.186	1.24
84)	T	1,2,4-Trimethy...	3.272	3.528	3.451	3.657	3.710	3.718	3.556	4.92
85)	T	sec-Butylbenzene	4.194	4.445	4.294	4.489	4.611	4.658	4.448	4.03
86)	T	p-Isopropyltol...	2.911	3.388	3.313	3.617	3.767	3.796	3.465	9.66
87)	T	1,3-Dichlorobe...	1.892	1.725	1.791	1.691	1.804	1.772	1.779	3.91
88)	T	1,4-Dichlorobe...	2.622	1.800	1.705	1.683	1.779	1.779	1.895	18.96
89)	T	n-Butylbenzene	3.193	2.639	2.744	2.972	3.215	3.376	3.023	9.57
90)	T	Hexachloroethane	0.732	0.714	0.656	0.658	0.645	0.638	0.674	5.81
91)	T	1,2-Dichlorobe...	2.205	1.849	1.832	1.799	1.773	1.731	1.865	9.22
92)	T	1,2-Dibromo-3-...	0.442	0.333	0.338	0.325	0.339	0.339	0.353	12.56
93)	T	1,2,4-Trichlor...	1.419	0.838	0.844	0.831	0.899	0.944	0.962	23.66
94)	T	Hexachlorobuta...	0.545	0.445	0.376	0.396	0.385	0.386	0.422	15.33
95)	T	Naphthalene	6.084	3.133	3.180	3.343	3.585	3.669	3.832	29.32
96)	T	1,2,3-Trichlor...	1.628	0.889	0.876	0.889	0.925	0.953	1.027	28.85

(#) = Out of Range

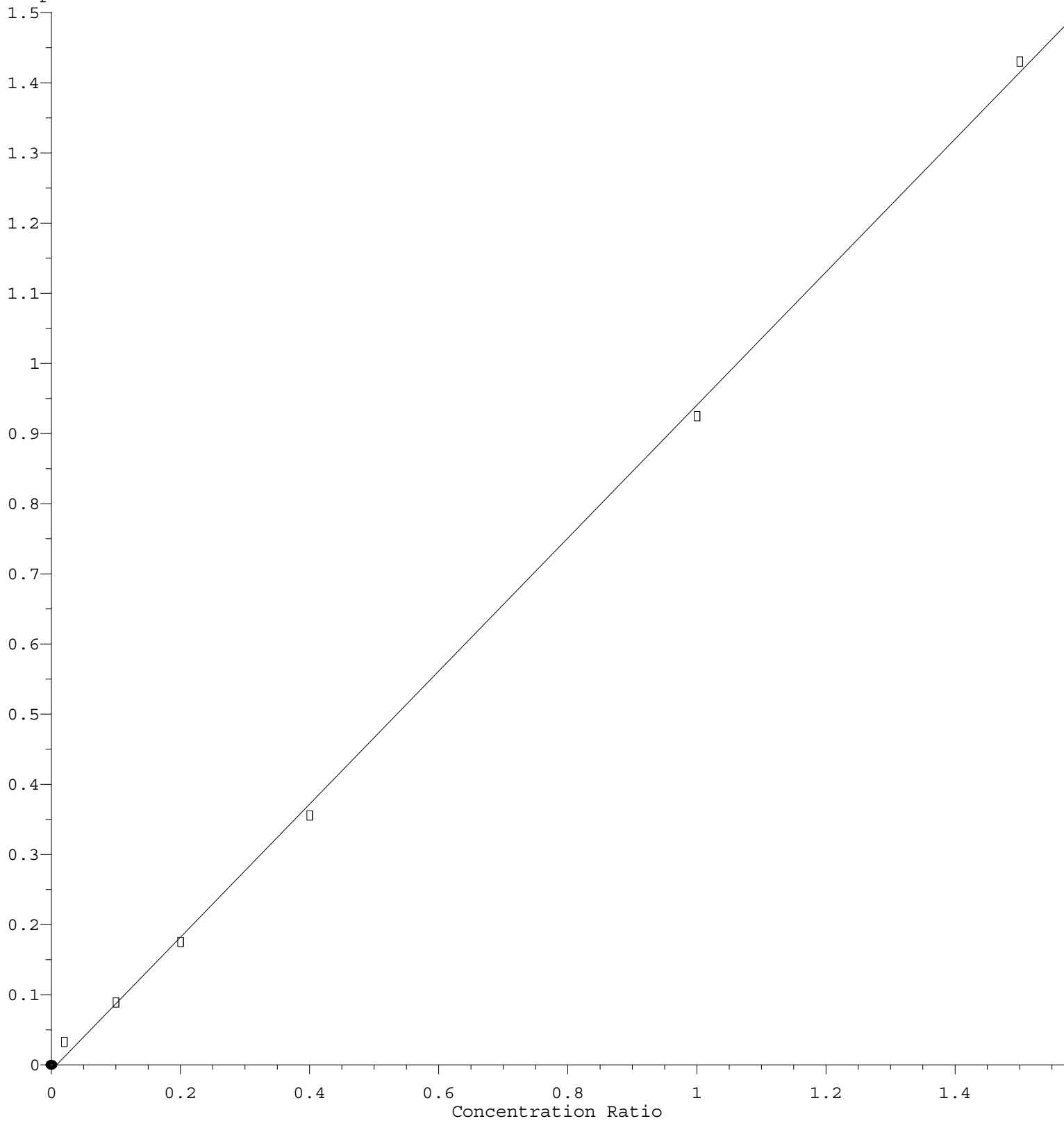
Methyl Iodide



Response = $4.273 \times 10^{-1} \times \text{Amt} - 4.309 \times 10^{-2}$
Coef of Det (r^2) = 0.990656 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M
Calibration Table Last Updated: Sat Sep 03 04:35:33 2022

1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.484\text{e-}001 * \text{Amt} - 7.825\text{e-}003$$

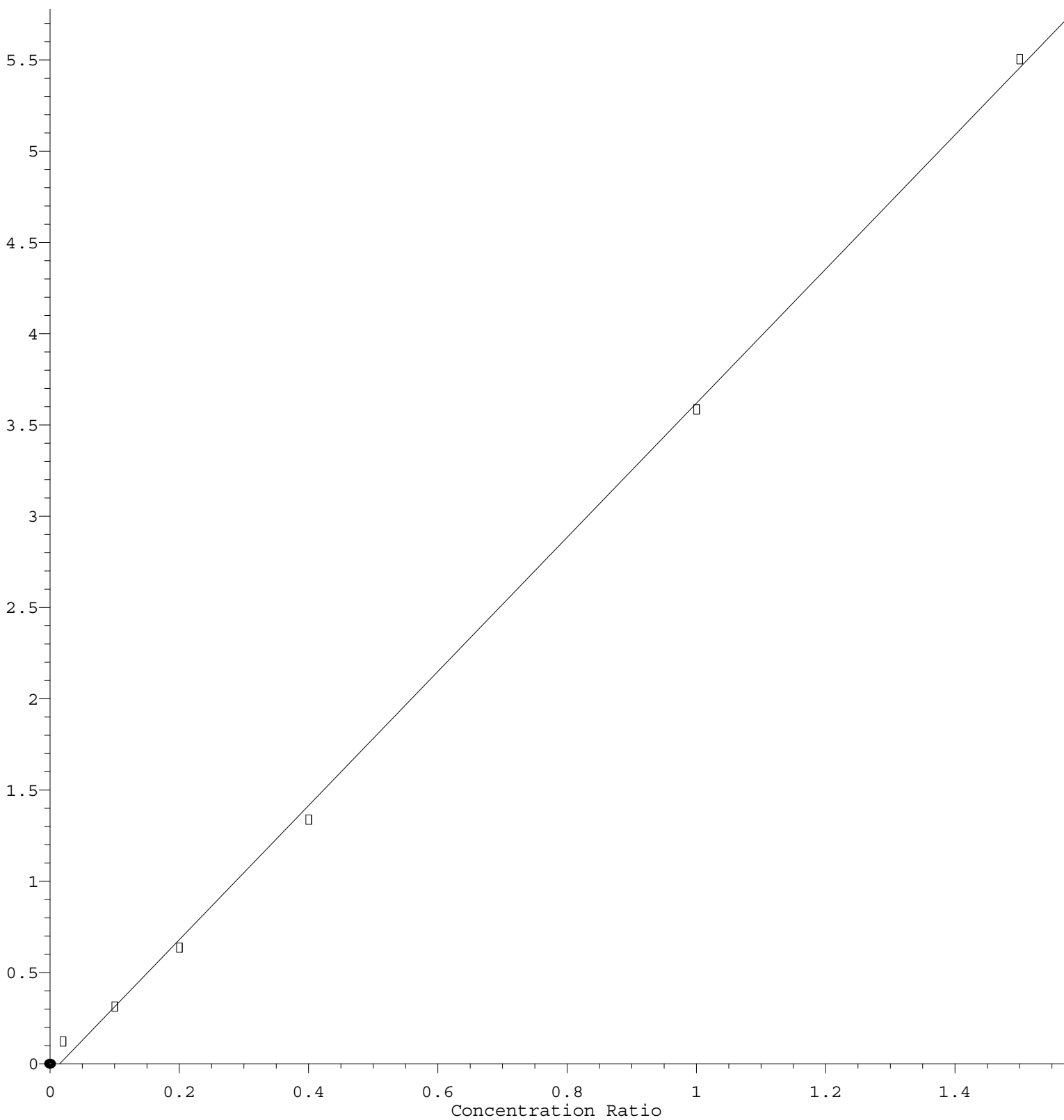
Coef of Det (r^2) = 0.999194 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M

Calibration Table Last Updated: Sat Sep 03 04:35:33 2022

Naphthalene

Response Ratio



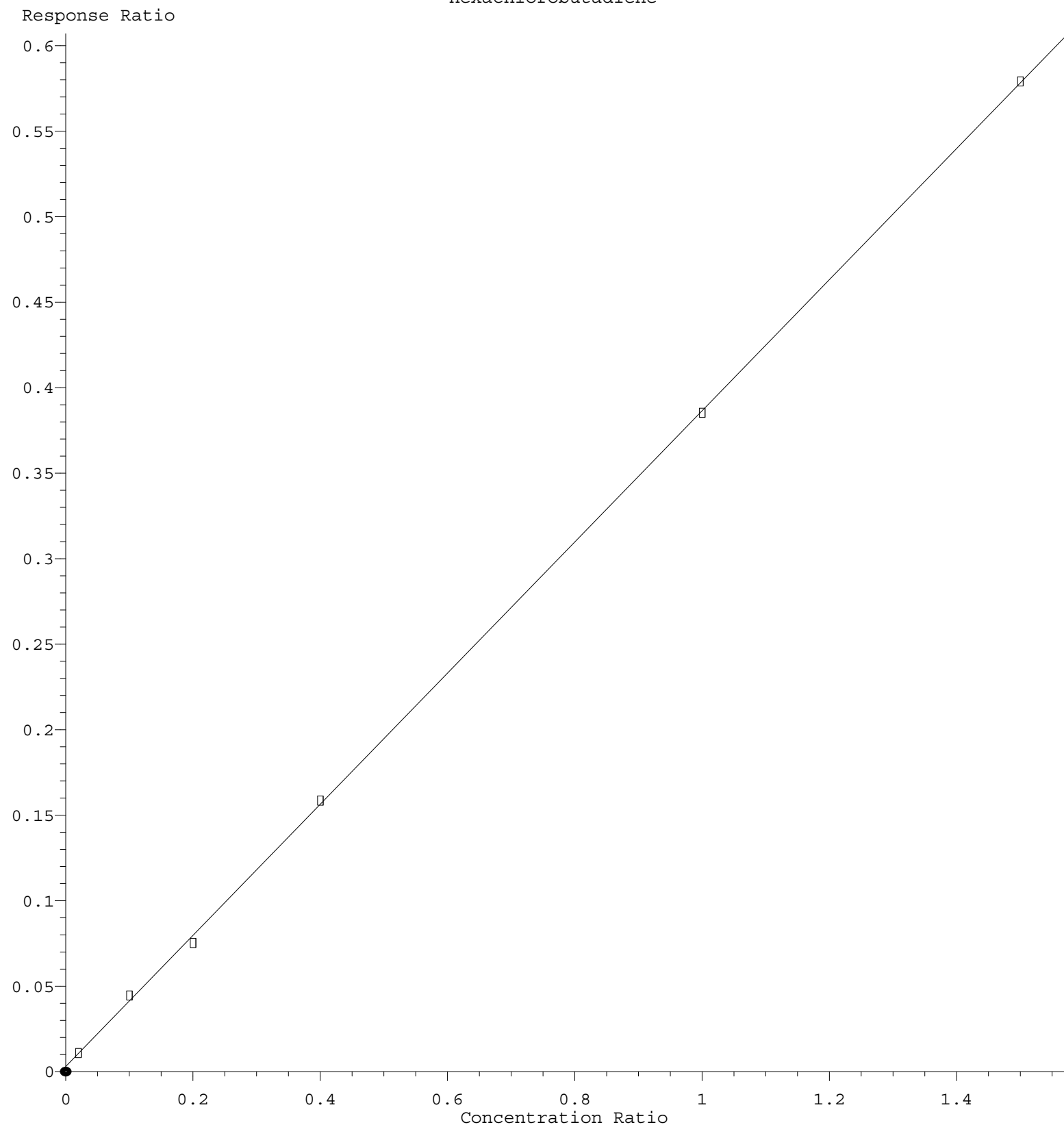
$$\text{Response} = 3.675\text{e}+000 * \text{Amt} - 5.611\text{e}-002$$

Coef of Det (r^2) = 0.999062 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M

Calibration Table Last Updated: Sat Sep 03 04:35:33 2022

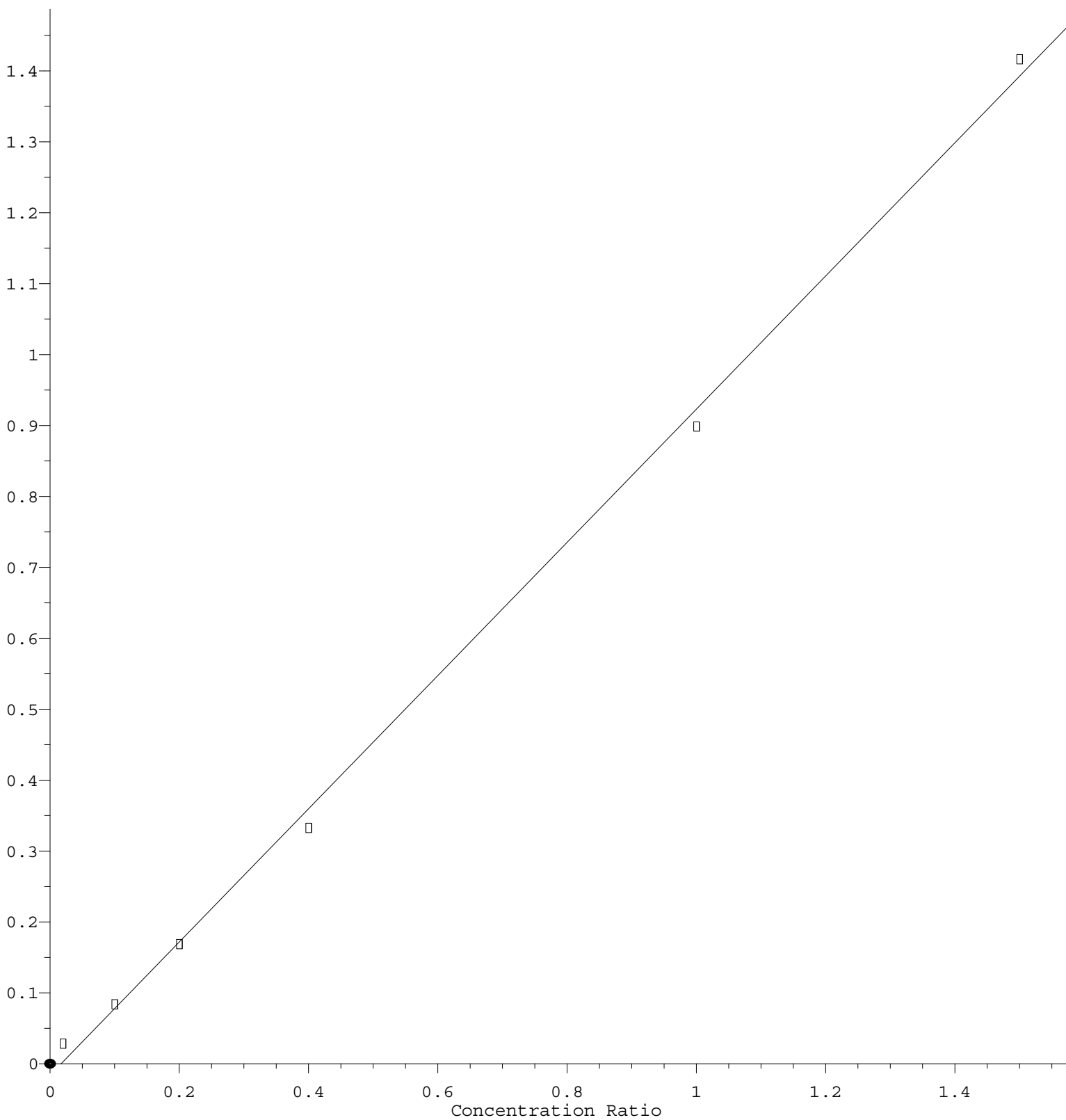
Hexachlorobutadiene



Response = $3.834 \times 10^{-1} \times \text{Amt} + 3.130 \times 10^{-3}$
Coef of Det (r^2) = 0.999859 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M
Calibration Table Last Updated: Sat Sep 03 04:35:33 2022

1,2,4-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.394\text{e-}001 * \text{Amt} - 1.605\text{e-}002$$

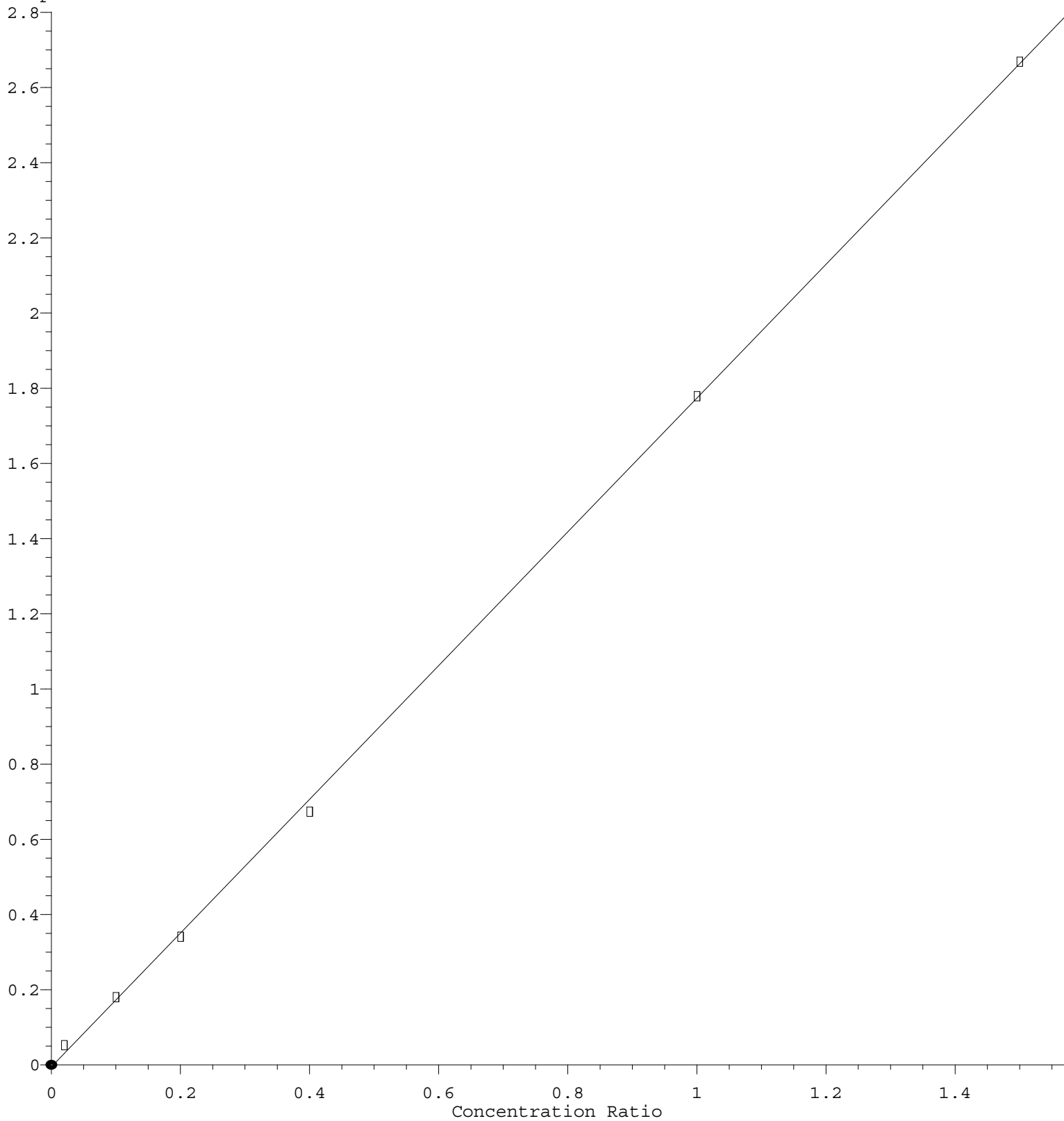
Coef of Det (r^2) = 0.998303 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M

Calibration Table Last Updated: Sat Sep 03 04:35:33 2022

1,4-Dichlorobenzene

Response Ratio



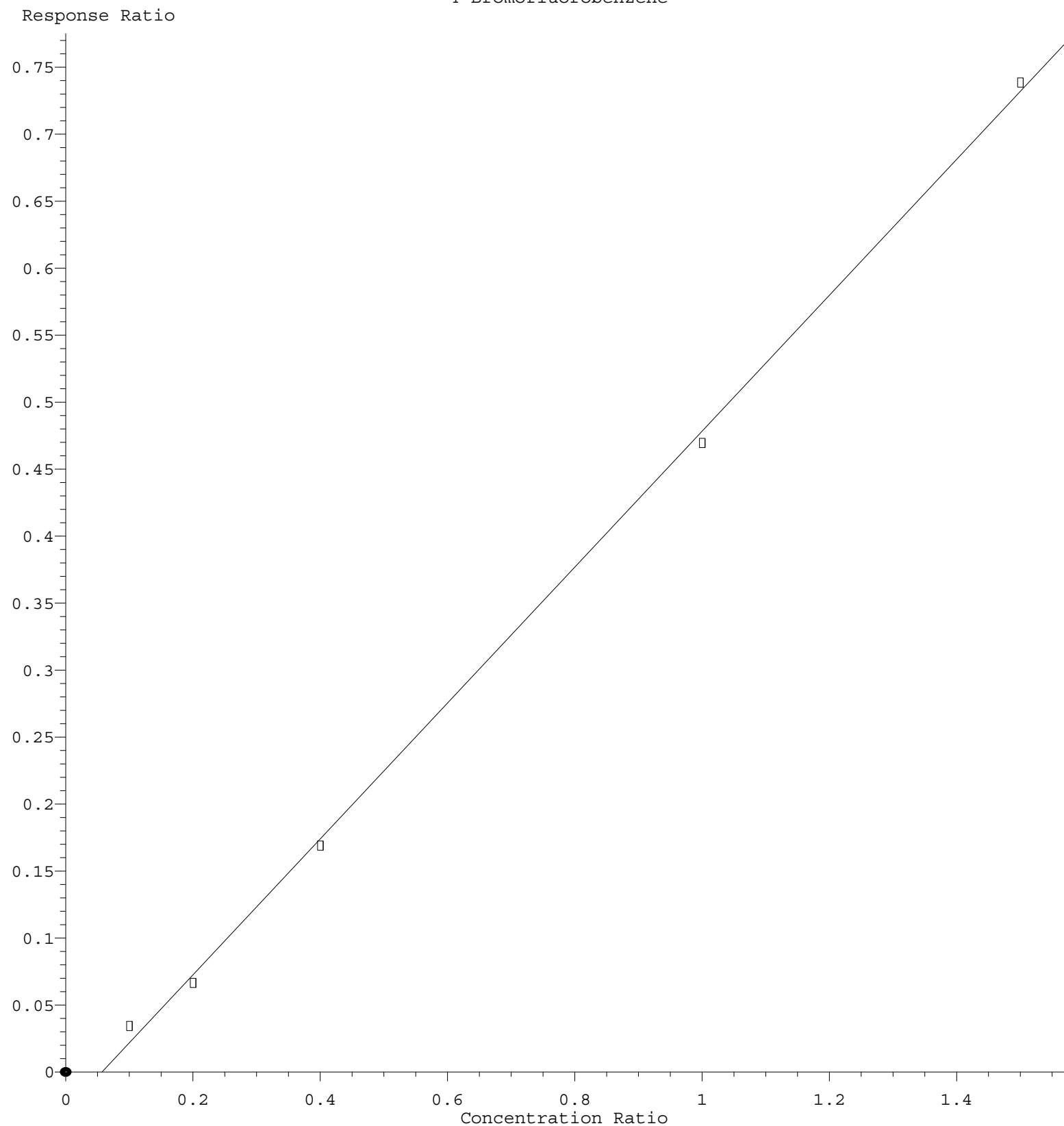
$$\text{Response} = 1.779\text{e}+000 * \text{Amt} - 5.888\text{e}-003$$

Coef of Det (r^2) = 0.999676 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M

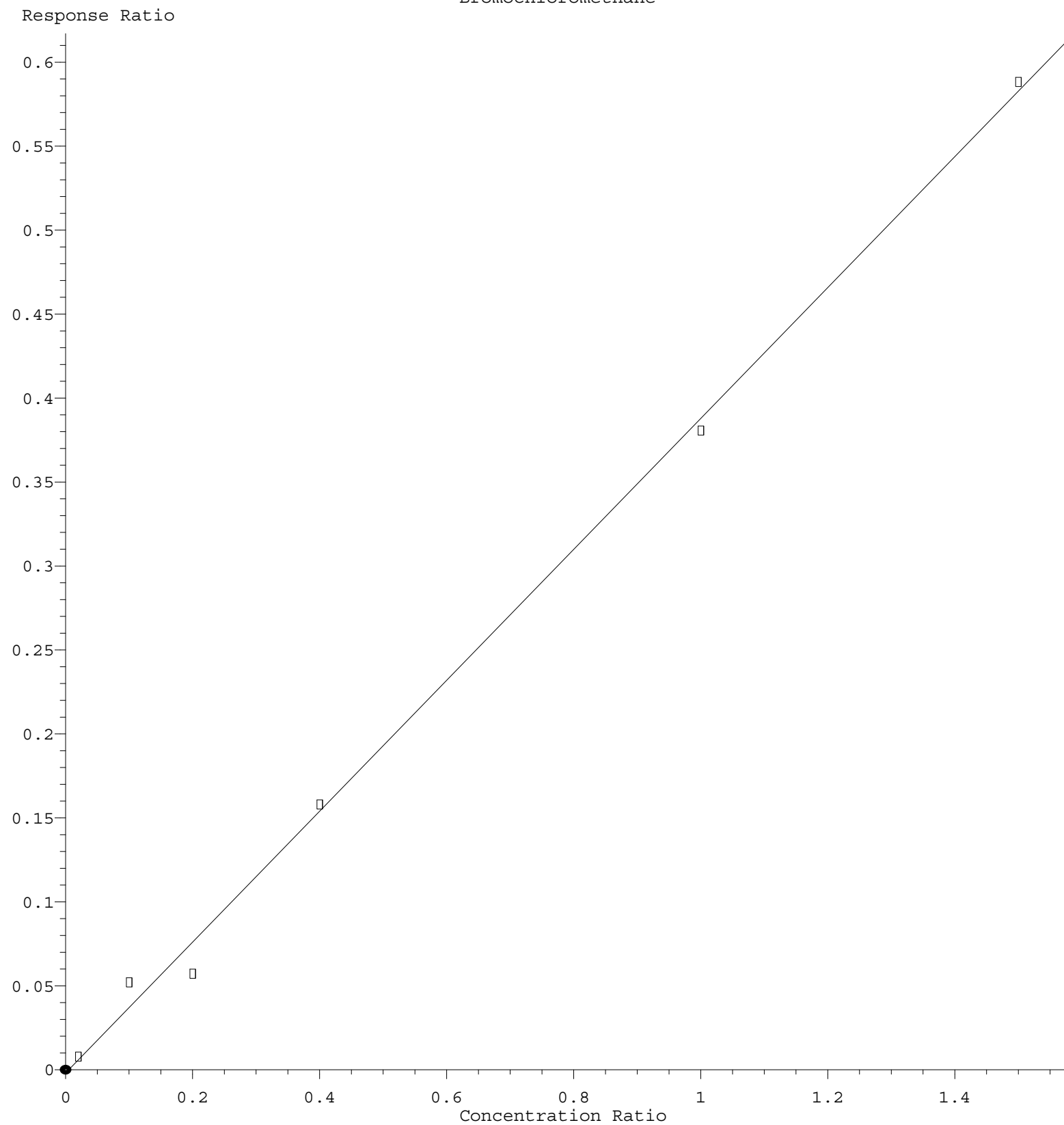
Calibration Table Last Updated: Sat Sep 03 04:35:33 2022

4-Bromofluorobenzene



Response = $5.069 \times 10^{-1} \times \text{Amt} - 2.884 \times 10^{-2}$
Coef of Det (r^2) = 0.999061 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M
Calibration Table Last Updated: Sat Sep 03 04:35:33 2022

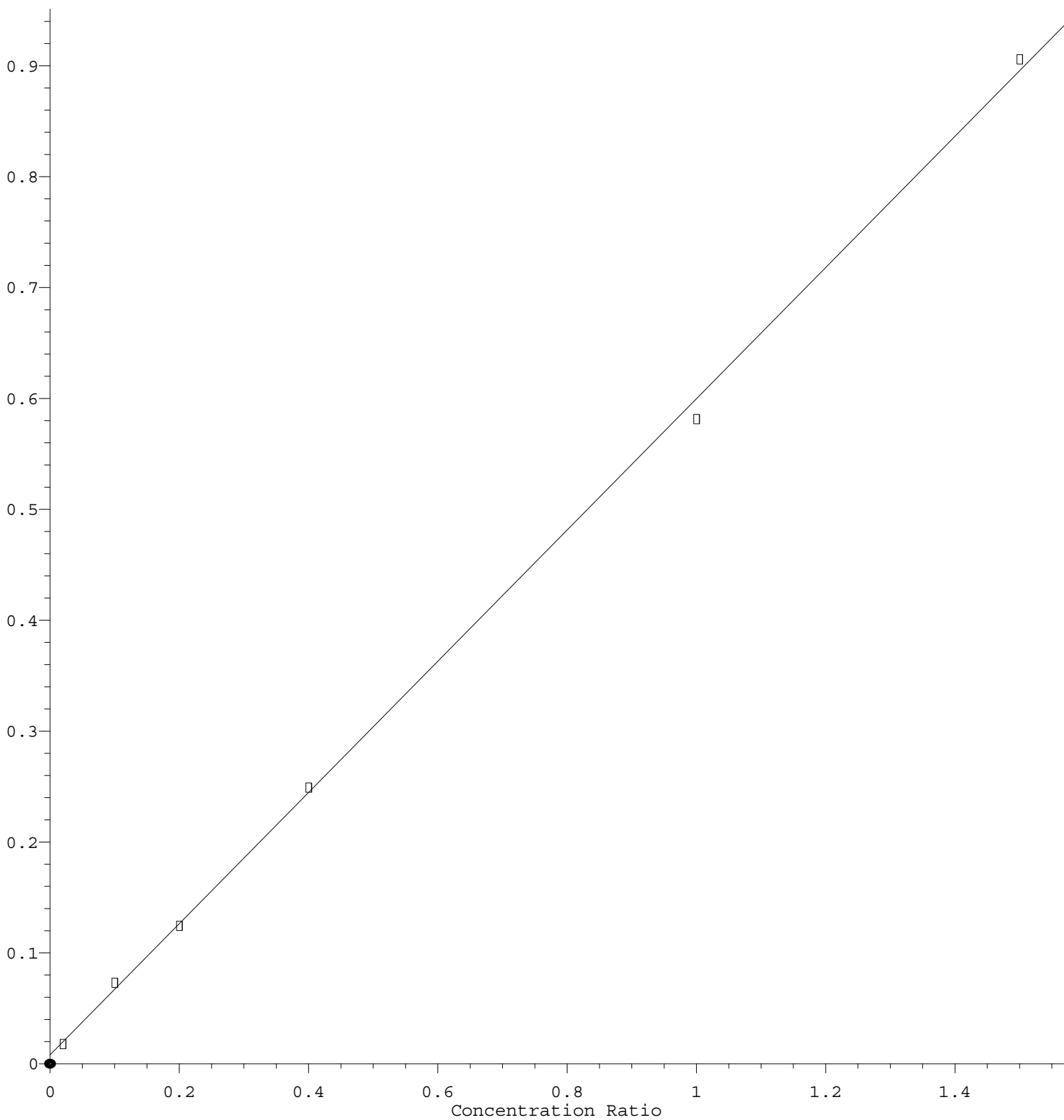
Bromochloromethane



Response = 3.899e-001 * Amt - 1.940e-003
 Coef of Det (r^2) = 0.997415 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M
 Calibration Table Last Updated: Sat Sep 03 04:35:33 2022

Methylene Chloride

Response Ratio



$$\text{Response} = 5.916\text{e-}001 * \text{Amt} + 7.686\text{e-}003$$

Coef of Det (r^2) = 0.999172 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N090222W.M

Calibration Table Last Updated: Sat Sep 03 04:35:33 2022