

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N101922W.M
 Title : SW846 8260
 Last Update : Thu Oct 20 06:14:51 2022
 Response Via : Initial Calibration

Calibration Files

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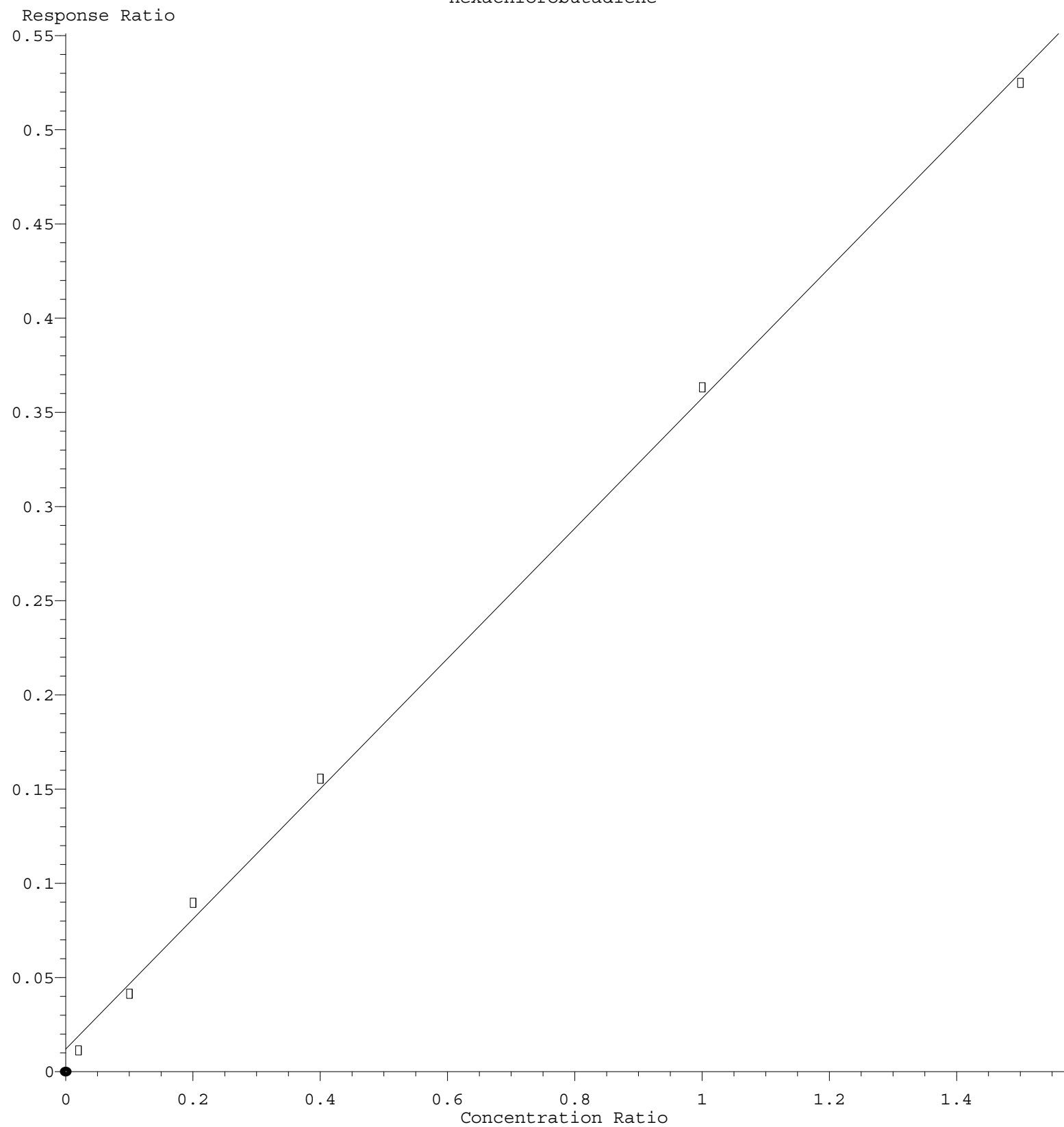
	Compound	1	5	10	20	50	75	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.983	0.988	0.822	0.804	0.807	0.758	0.860	11.54
3) P	Chloromethane	1.724	1.397	1.201	1.161	1.125	1.023	1.272	19.91
4) C	Vinyl Chloride	2.309	2.281	2.108	1.910	1.899	1.729	2.039	11.37#
5) T	Bromomethane		2.949	1.729	1.603	2.118	2.088	2.097	25.07
6) T	Chloroethane	2.572	2.059	1.781	1.704	1.670	1.466	1.875	20.89
7) T	Trichlorofluor...	1.446	1.559	1.380	1.238	1.284	1.154	1.344	10.98
8) T	Diethyl Ether	0.677	0.653	0.630	0.549	0.560	0.543	0.602	9.70
9) T	1,1,2-Trichlor...	0.747	0.970	0.919	0.773	0.771	0.729	0.818	12.27
10) T	Methyl Iodide		1.261	1.169	1.102	1.097	1.067	1.139	6.82
11) T	Tert butyl alc...		0.318	0.294	0.268	0.259	0.259	0.280	9.29
12) CM	1,1-Dichloroet...	1.037	0.844	0.758	0.733	0.714	0.697	0.797	16.08#
13) T	Acrolein		0.246	0.188	0.174	0.185	0.178	0.194	15.20
14) T	Allyl chloride	1.730	1.543	1.493	1.413	1.446	1.382	1.501	8.38
15) T	Acrylonitrile	0.621	0.697	0.697	0.678	0.676	0.669	0.673	4.17
16) T	Acetone	0.584	0.633	0.588	0.539	0.537	0.534	0.569	6.95
17) T	Carbon Disulfide	2.106	2.042	1.630	1.634	1.699	1.589	1.783	12.81
18) T	Methyl Acetate	2.418	1.934	2.169	1.951	1.975	1.891	2.056	9.81
19) T	Methyl tert-bu...	3.199	3.114	3.106	2.886	3.017	2.981	3.051	3.65
20) T	Methylene Chlo...	1.642	1.238	1.152	0.967	0.998	0.890	1.148	23.84
21) T	trans-1,2-Dich...	0.995	0.974	0.880	0.777	0.803	0.793	0.870	10.99
22) T	Diisopropyl ether	2.854	3.388	3.351	3.054	3.344	3.256	3.208	6.58
23) T	Vinyl Acetate	2.312	2.685	2.651	2.580	2.495	2.484	2.534	5.36
24) P	1,1-Dichloroet...	2.075	1.933	1.868	1.649	1.775	1.706	1.834	8.56
25) T	2-Butanone	0.876	0.975	0.972	0.915	0.960	0.957	0.943	4.18
26) T	2,2-Dichloropr...	1.243	1.453	1.494	1.418	1.488	1.449	1.424	6.52
27) T	cis-1,2-Dichlo...	1.200	1.203	1.093	1.023	1.102	1.039	1.110	6.93
28) T	Bromochloromet...	0.887	0.749	0.741	0.866	0.852	0.903	0.833	8.44
29) T	Tetrahydrofuran	0.692	0.632	0.631	0.599	0.632	0.629	0.636	4.79
30) C	Chloroform	2.175	1.864	1.859	1.721	1.839	1.744	1.867	8.72#
31) T	Cyclohexane		1.917	1.499	1.395	1.420	1.372	1.521	14.90
32) T	1,1,1-Trichlor...	1.915	1.563	1.489	1.391	1.500	1.471	1.555	11.90
33) S	1,2-Dichloroet...		1.346	1.152	1.111	1.175	1.148	1.187	7.76
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.587	0.489	0.558	0.566	0.543	0.548	6.73
36) T	1,1-Dichloropr...	0.860	0.831	0.743	0.689	0.726	0.696	0.758	9.44
37) T	Ethyl Acetate	0.964	1.093	1.045	1.078	1.095	1.048	1.054	4.66
38) T	Carbon Tetrach...	0.856	0.765	0.702	0.685	0.750	0.694	0.742	8.67
39) T	Methylcyclohexane	0.845	0.900	0.835	0.826	0.889	0.870	0.861	3.50
40) TM	Benzene	2.700	2.620	2.346	2.336	2.414	2.256	2.445	7.18
41) T	Methacrylonitrile	0.513	0.588	0.547	0.550	0.569	0.556	0.554	4.53
42) TM	1,2-Dichloroet...	0.848	0.820	0.796	0.806	0.782	0.756	0.801	3.96
43) T	Isopropyl Acetate	1.838	1.650	1.623	1.667	1.715	1.664	1.693	4.56
44) TM	Trichloroethene	0.634	0.560	0.512	0.521	0.553	0.518	0.550	8.33
45) C	1,2-Dichloropr...	0.818	0.659	0.623	0.634	0.650	0.610	0.666	11.51#
46) T	Dibromomethane	0.416	0.444	0.406	0.412	0.413	0.415	0.418	3.17
47) T	Bromodichlorom...	0.920	0.808	0.836	0.803	0.821	0.810	0.833	5.32
48) T	Methyl methacr...	0.950	0.709	0.690	0.699	0.755	0.732	0.756	12.99
49) T	1,4-Dioxane	0.017	0.017	0.015	0.016	0.016	0.016	0.016	4.31
50) S	Toluene-d8		2.134	2.004	2.307	2.372	2.304	2.224	6.81
51) T	4-Methyl-2-Pen...	0.924	1.104	1.085	1.131	1.190	1.172	1.101	8.66
52) CM	Toluene	1.529	1.555	1.436	1.452	1.530	1.448	1.492	3.47#
53) T	t-1,3-Dichloro...	0.847	0.797	0.823	0.871	0.937	0.924	0.867	6.43
54) T	cis-1,3-Dichlo...	0.842	0.982	0.916	0.940	0.982	0.959	0.937	5.64
55) T	1,1,2-Trichlor...	0.594	0.654	0.594	0.612	0.659	0.596	0.618	4.93
56) T	Ethyl methacry...	0.967	0.990	0.941	0.974	1.049	1.024	0.991	3.99

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N101922W.M

57)	T	1,3-Dichloropr...	1.189	1.141	1.037	1.048	1.131	1.043	1.098	5.82
58)	T	2-Chloroethyl ...	0.361	0.368	0.367	0.428	0.463	0.459	0.408	11.76
59)	T	2-Hexanone	0.651	0.795	0.785	0.845	0.890	0.874	0.807	10.79
60)	T	Dibromochlorom...	0.605	0.543	0.560	0.600	0.628	0.624	0.593	5.81
61)	T	1,2-Dibromoethane	0.593	0.576	0.577	0.591	0.623	0.600	0.594	2.89
62)	S	4-Bromofluorob...	0.590	0.486	0.599	0.691	0.671	0.608		13.29
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.528	0.430	0.431	0.382	0.384	0.377	0.422	13.64
65)	PM	Chlorobenzene	1.474	1.517	1.404	1.353	1.436	1.389	1.429	4.18
66)	T	1,1,1,2-Tetrac...	0.509	0.532	0.536	0.517	0.526	0.520	0.523	1.93
67)	C	Ethyl Benzene	2.297	2.574	2.487	2.498	2.626	2.569	2.508	4.62#
68)	T	m/p-Xylenes	0.837	0.934	0.929	0.951	1.027	1.010	0.948	7.12
69)	T	o-Xylene	1.019	0.943	0.929	0.966	1.057	1.012	0.988	5.02
70)	T	Styrene	1.437	1.454	1.407	1.453	1.701	1.714	1.528	9.20
71)	P	Bromoform	0.372	0.329	0.329	0.363	0.429	0.420	0.374	11.55
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.683	4.756	4.611	4.664	4.398	4.334	4.575	3.70
74)	T	N-amyl acetate	2.537	2.423	2.291	2.267	2.280	2.227	2.338	5.06
75)	P	1,1,2,2-Tetrac...	2.154	1.960	1.867	1.673	1.563	1.470	1.781	14.51
76)	T	1,2,3-Trichlor...	1.534	1.324	1.279	1.177	1.309	1.084	1.284	11.85
77)	T	Bromobenzene	1.238	1.065	0.917	0.986	0.969	0.942	1.020	11.59
78)	T	n-propylbenzene	5.016	5.431	5.005	5.163	5.181	5.069	5.144	3.08
79)	T	2-Chlorotoluene	2.891	3.034	2.995	2.852	2.842	2.701	2.886	4.13
80)	T	1,3,5-Trimethy...	3.440	3.565	3.600	3.539	3.569	3.499	3.535	1.63
81)	T	trans-1,4-Dich...	0.446	0.458	0.473	0.536	0.528	0.488		8.44
82)	T	4-Chlorotoluene	2.891	3.034	2.995	2.852	2.842	2.701	2.886	4.13
83)	T	tert-Butylbenzene	3.325	3.471	3.342	3.267	3.287	3.136	3.305	3.31
84)	T	1,2,4-Trimethy...	3.027	3.501	3.294	3.366	3.581	3.474	3.374	5.86
85)	T	sec-Butylbenzene	4.277	4.614	4.272	4.553	4.715	4.510	4.490	4.03
86)	T	p-Isopropyltol...	2.879	3.242	3.240	3.452	3.782	3.690	3.381	9.83
87)	T	1,3-Dichlorobe...	1.517	1.762	1.660	1.589	1.772	1.718	1.670	6.06
88)	T	1,4-Dichlorobe...	1.622	1.798	1.628	1.589	1.697	1.655	1.665	4.47
89)	T	n-Butylbenzene	2.505	2.470	2.749	2.731	3.139	3.080	2.779	10.10
90)	T	Hexachloroethane	0.764	0.756	0.707	0.669	0.685	0.669	0.708	5.96
91)	T	1,2-Dichlorobe...	1.853	1.664	1.640	1.581	1.653	1.584	1.662	5.99
92)	T	1,2-Dibromo-3-...	0.270	0.288	0.298	0.273	0.250	0.243	0.270	7.85
93)	T	1,2,4-Trichlor...	0.924	0.867	0.819	0.773	0.792	0.791	0.828	6.90
94)	T	Hexachlorobuta...	0.565	0.413	0.448	0.389	0.363	0.350	0.421	18.66
95)	T	Naphthalene	3.309	2.889	3.061	3.020	3.146	3.145	3.095	4.58
96)	T	1,2,3-Trichlor...	0.870	0.928	0.824	0.823	0.851	0.836	0.855	4.65

(#) = Out of Range

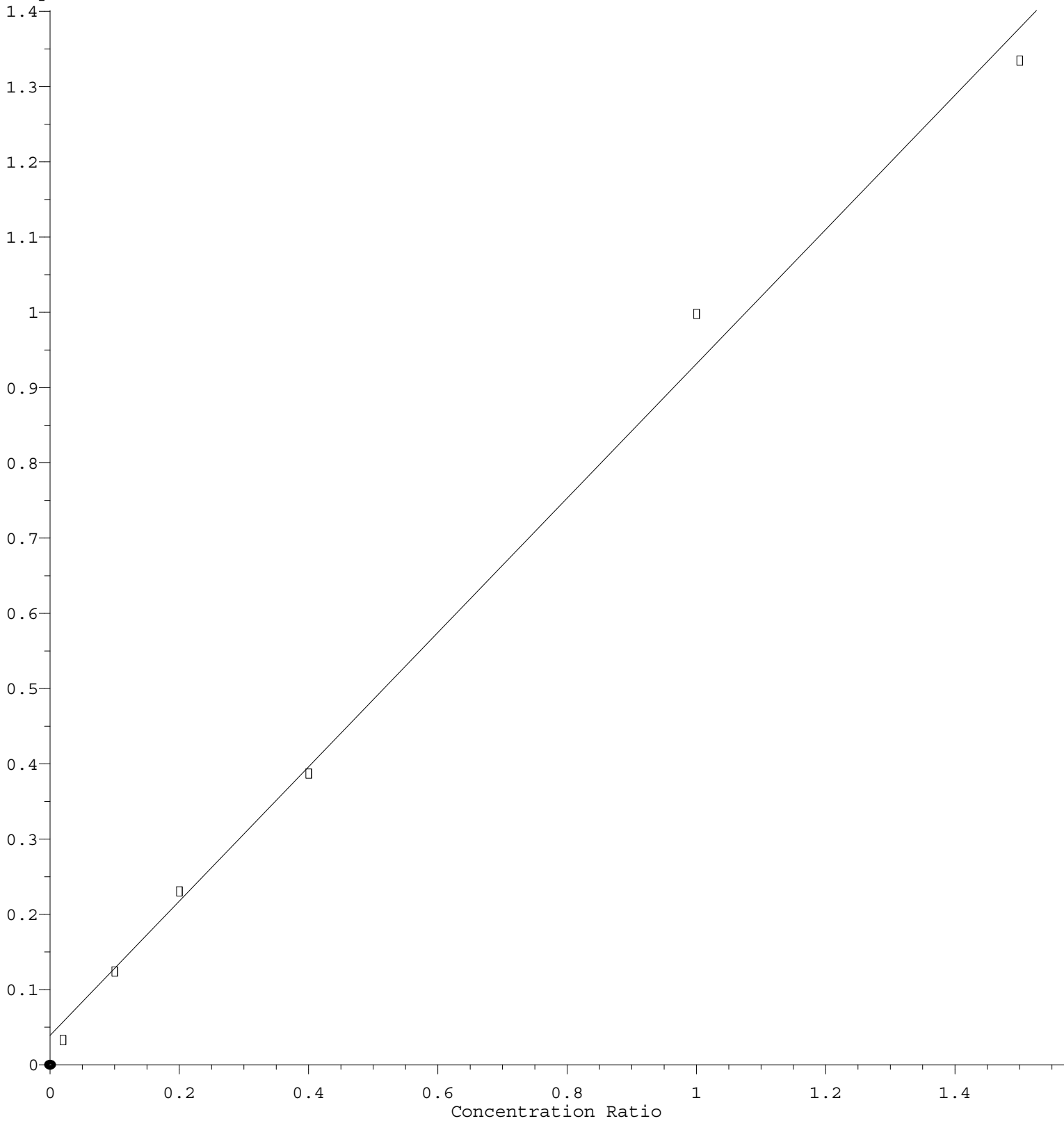
Hexachlorobutadiene



Response = $3.456 \times 10^{-1} \times \text{Amt} + 1.219 \times 10^{-2}$
Coef of Det (r^2) = 0.998805 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N101922W.M
Calibration Table Last Updated: Thu Oct 20 06:14:51 2022

Methylene Chloride

Response Ratio



$$\text{Response} = 8.926\text{e-}001 * \text{Amt} + 3.866\text{e-}002$$

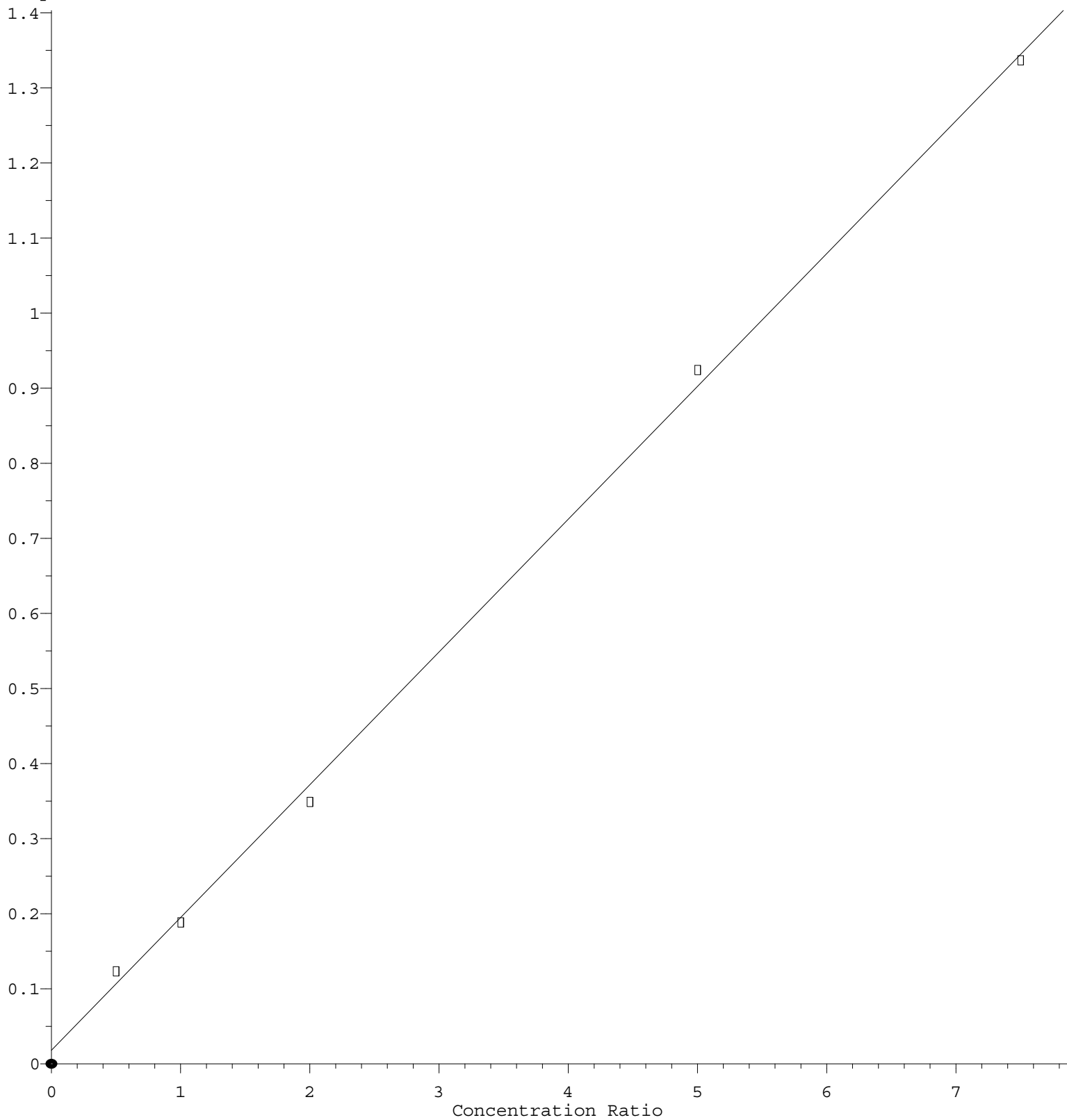
Coef of Det (r^2) = 0.994877 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N101922W.M

Calibration Table Last Updated: Thu Oct 20 06:14:51 2022

Acrolein

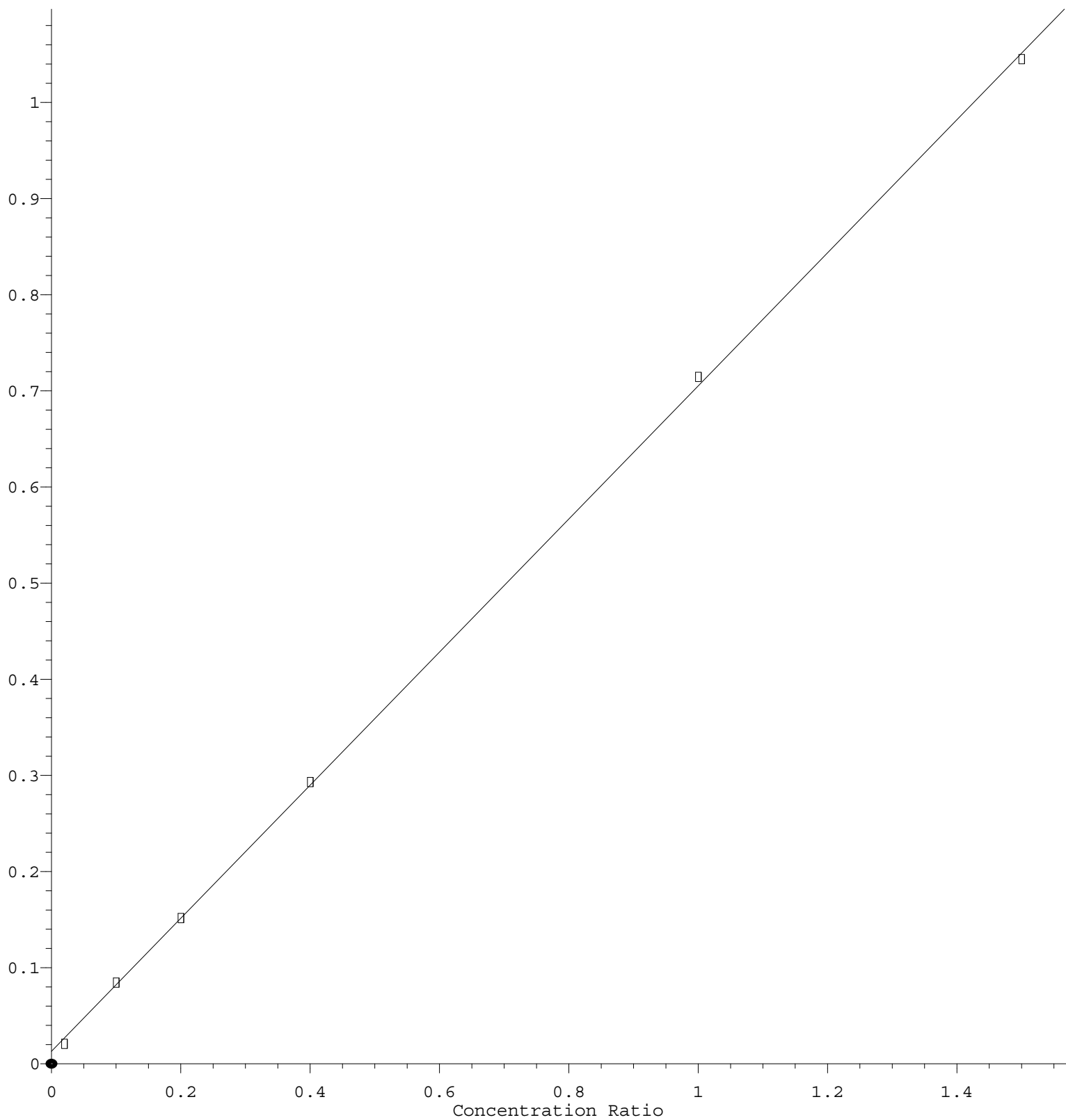
Response Ratio



$\text{Response} = 1.769\text{e-}001 * \text{Amt} + 1.807\text{e-}002$
 Coef of Det (r^2) = 0.998747 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N101922W.M
 Calibration Table Last Updated: Thu Oct 20 06:14:51 2022

1,1-Dichloroethene

Response Ratio



$$\text{Response} = 6.922\text{e-}001 * \text{Amt} + 1.340\text{e-}002$$

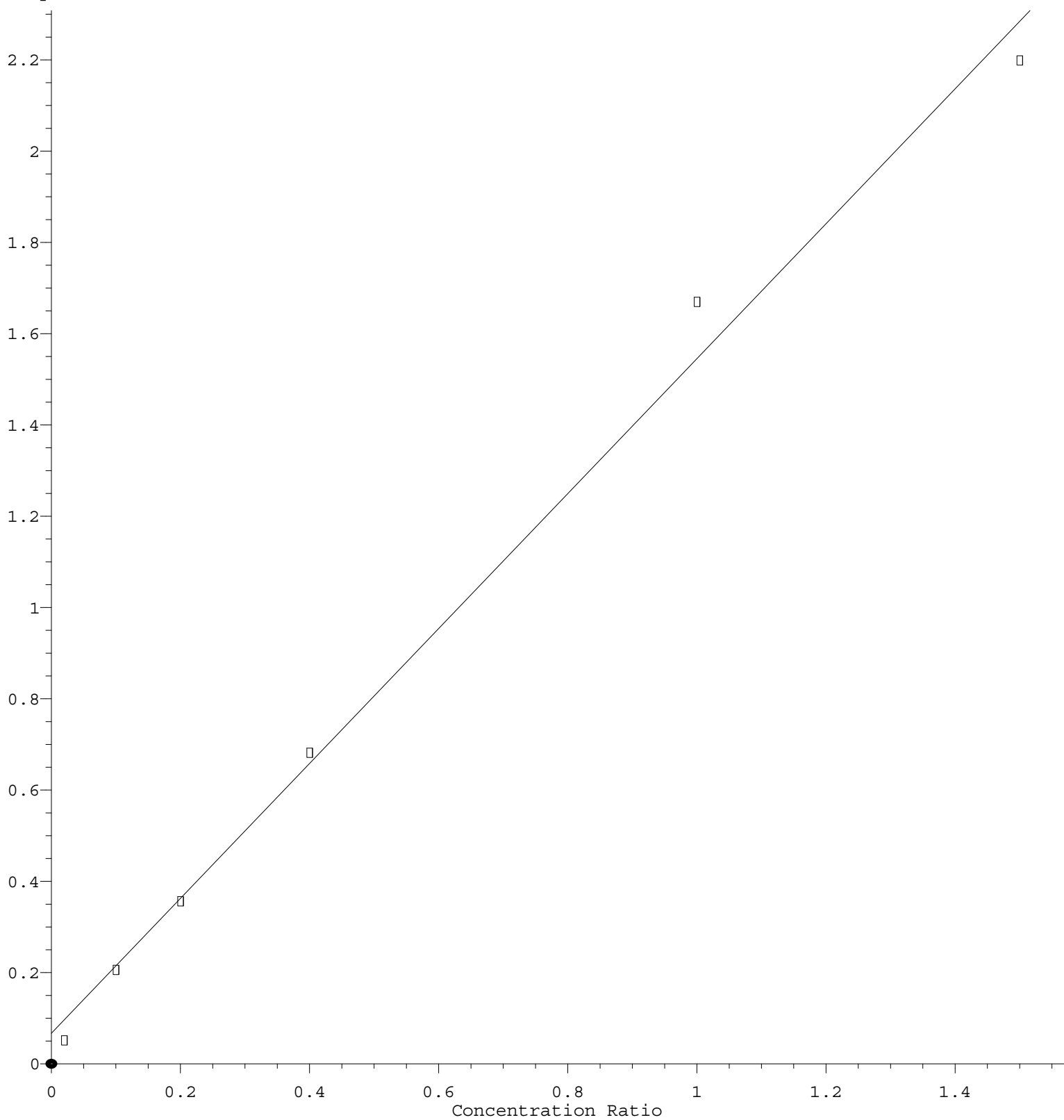
Coef of Det (r^2) = 0.999787 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N101922W.M

Calibration Table Last Updated: Thu Oct 20 06:14:51 2022

Chloroethane

Response Ratio



$$\text{Response} = 1.479\text{e}+000 * \text{Amt} + 6.686\text{e}-002$$

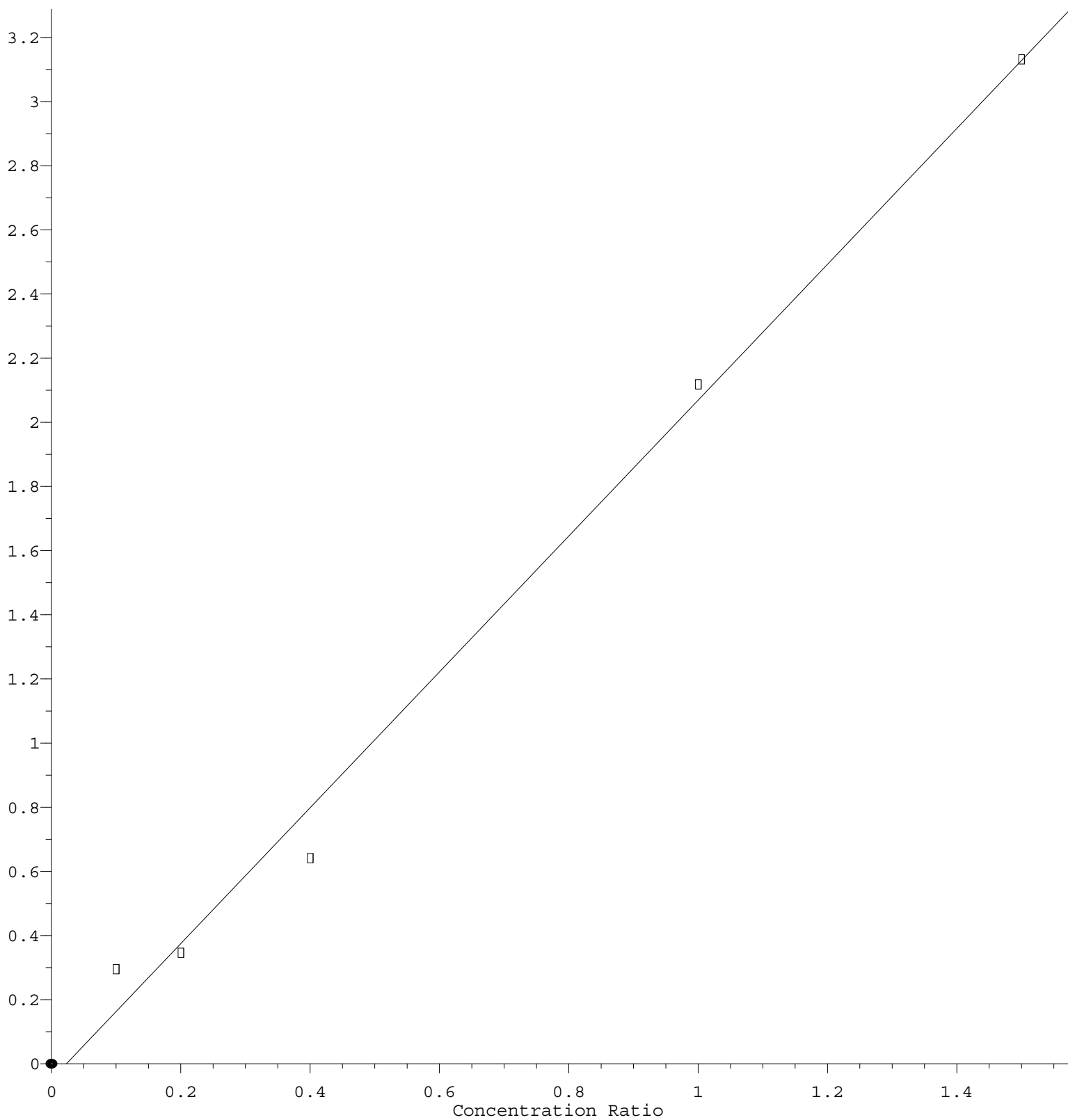
Coef of Det (r^2) = 0.993313 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N101922W.M

Calibration Table Last Updated: Thu Oct 20 06:14:51 2022

Bromomethane

Response Ratio



$$\text{Response} = 2.118\text{e}+000 * \text{Amt} - 4.910\text{e}-002$$

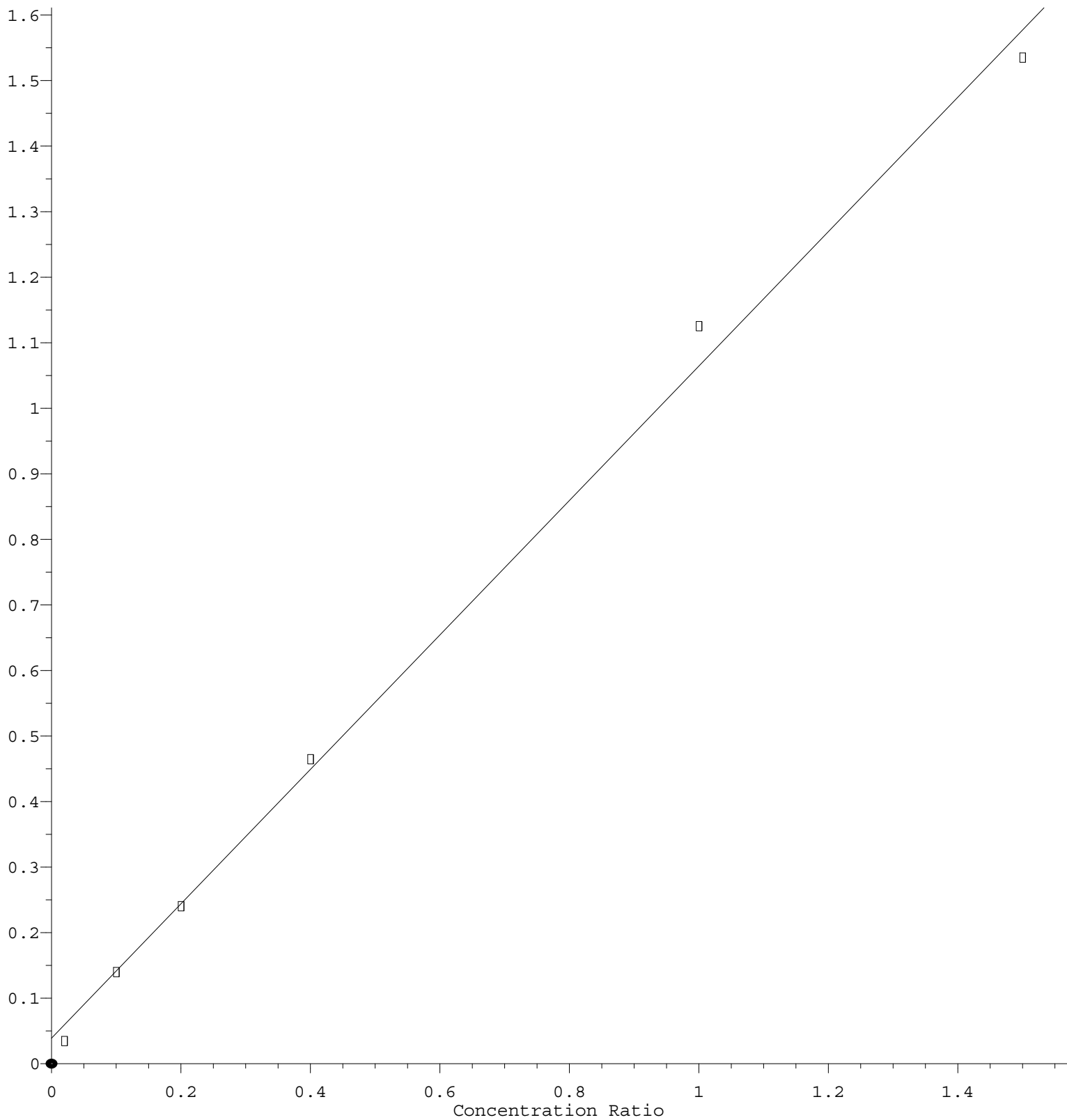
Coef of Det (r^2) = 0.992881 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N101922W.M

Calibration Table Last Updated: Thu Oct 20 06:14:51 2022

Chloromethane

Response Ratio



$$\text{Response} = 1.026\text{e}+000 * \text{Amt} + 3.943\text{e}-002$$

Coef of Det (r^2) = 0.996521 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N101922W.M

Calibration Table Last Updated: Thu Oct 20 06:14:51 2022