

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N072822W.M
 Title : SW846 8260
 Last Update : Fri Jul 29 02:20:25 2022
 Response Via : Initial Calibration

Calibration Files

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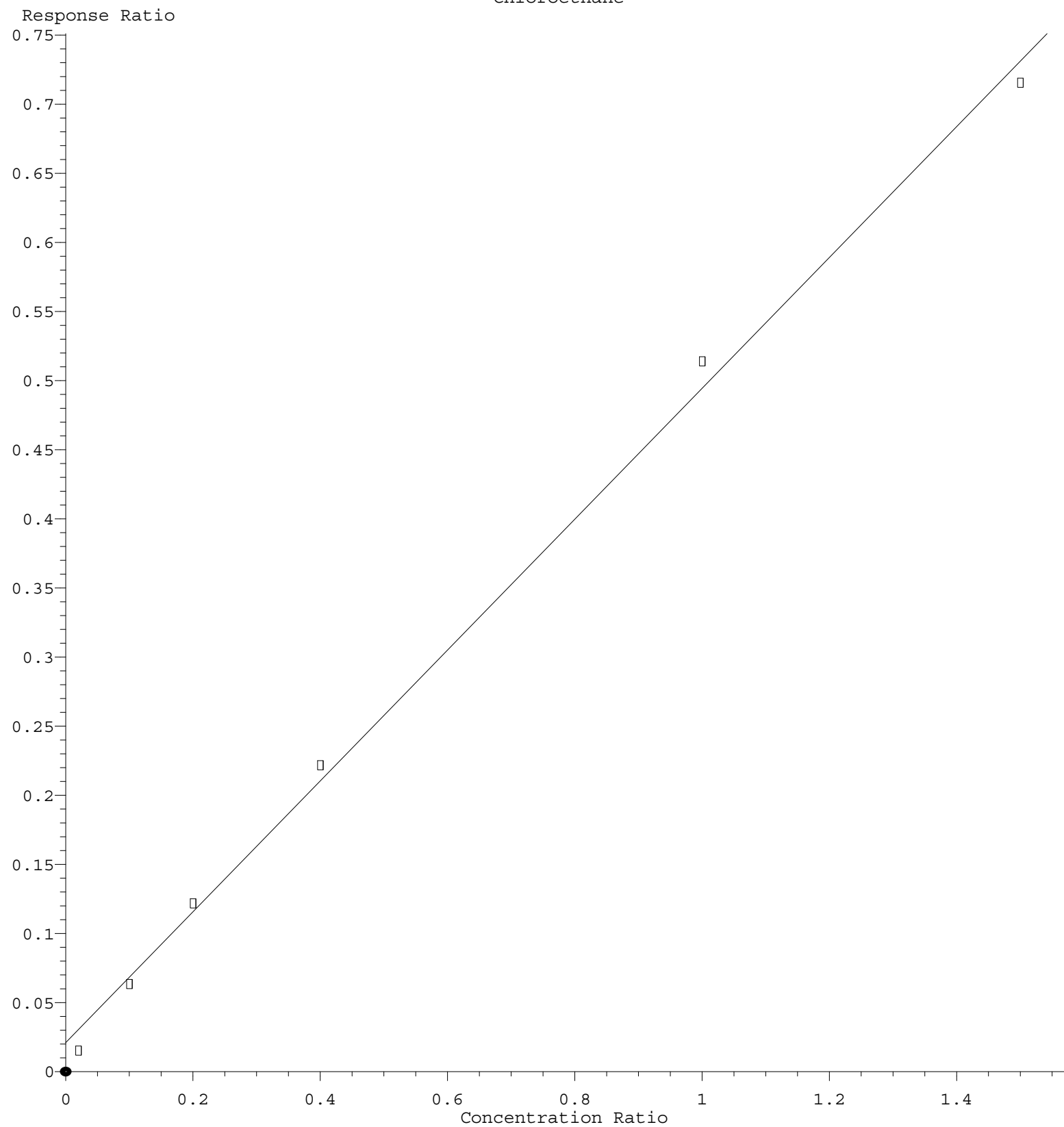
	Compound	1	5	10	20	50	75	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.538	0.453	0.503	0.499	0.454	0.464	0.485	7.04
3) P	Chloromethane	0.894	0.704	0.739	0.686	0.616	0.554	0.699	16.65
4) C	Vinyl Chloride	0.954	0.880	0.899	0.835	0.793	0.729	0.848	9.48#
5) T	Bromomethane		0.564	0.517	0.523	0.457	0.399	0.492	13.08
6) T	Chloroethane	0.761	0.634	0.609	0.554	0.514	0.477	0.592	17.16
7) T	Trichlorofluor...	0.967	0.884	0.863	0.914	0.851	0.765	0.874	7.74
8) T	Diethyl Ether	0.390	0.337	0.316	0.320	0.308	0.299	0.328	9.99
9) T	1,1,2-Trichlor...	0.549	0.496	0.484	0.473	0.446	0.454	0.484	7.61
10) T	Methyl Iodide		0.420	0.499	0.469	0.533	0.537	0.492	9.93
11) T	Tert butyl alc...		0.133	0.134	0.136	0.131	0.122	0.131	4.02
12) CM	1,1-Dichloroet...	0.543	0.483	0.485	0.467	0.436	0.431	0.474	8.60#
13) T	Acrolein		0.140	0.139	0.123	0.136	0.114	0.130	8.76
14) T	Allyl chloride	0.834	0.798	0.765	0.735	0.729	0.690	0.758	6.81
15) T	Acrylonitrile	0.377	0.385	0.372	0.365	0.358	0.325	0.364	5.85
16) T	Acetone	0.403	0.335	0.326	0.320	0.293	0.286	0.327	12.82
17) T	Carbon Disulfide	1.414	1.287	1.282	1.234	1.175	1.154	1.258	7.44
18) T	Methyl Acetate	0.977	0.857	0.812	0.791	0.757	0.692	0.814	11.93
19) T	Methyl tert-bu...	1.676	1.608	1.629	1.651	1.606	1.554	1.621	2.62
20) T	Methylene Chlo...	1.159	0.702	0.643	0.582	0.544	0.514	0.691	34.64
21) T	trans-1,2-Dich...	0.555	0.528	0.518	0.505	0.492	0.484	0.514	5.04
22) T	Diisopropyl ether	1.730	1.681	1.670	1.631	1.602	1.505	1.636	4.75
23) T	Vinyl Acetate	1.336	1.350	1.384	1.414	1.409	1.338	1.372	2.56
24) P	1,1-Dichloroet...	1.181	1.052	1.027	0.978	0.921	0.880	1.007	10.59
25) T	2-Butanone	0.536	0.541	0.521	0.512	0.492	0.448	0.508	6.77
26) T	2,2-Dichloropr...	0.858	0.762	0.769	0.781	0.722	0.756	0.774	5.85
27) T	cis-1,2-Dichlo...	0.675	0.651	0.656	0.627	0.603	0.585	0.633	5.43
28) T	Bromochloromet...	0.497	0.436	0.381	0.417	0.414	0.391	0.423	9.75
29) T	Tetrahydrofuran	0.324	0.334	0.328	0.329	0.326	0.286	0.321	5.53
30) C	Chloroform	1.194	1.085	1.089	1.011	0.979	0.935	1.049	8.85#
31) T	Cyclohexane		1.057	0.950	0.894	0.833	0.802	0.907	11.15
32) T	1,1,1-Trichlor...	0.964	0.869	0.879	0.864	0.834	0.816	0.871	5.92
33) S	1,2-Dichloroet...		0.676	0.581	0.634	0.571	0.584	0.609	7.30
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.317	0.289	0.329	0.304	0.331	0.314	5.58
36) T	1,1-Dichloropr...	0.467	0.443	0.437	0.435	0.445	0.459	0.447	2.88
37) T	Ethyl Acetate	0.653	0.591	0.579	0.559	0.590	0.565	0.589	5.71
38) T	Carbon Tetrach...	0.510	0.439	0.440	0.440	0.439	0.457	0.454	6.22
39) T	Methylcyclohexane	0.534	0.482	0.500	0.535	0.557	0.600	0.535	7.85
40) TM	Benzene	1.542	1.471	1.451	1.433	1.420	1.402	1.453	3.42
41) T	Methacrylonitrile	0.289	0.266	0.251	0.258	0.279	0.258	0.267	5.48
42) TM	1,2-Dichloroet...	0.537	0.506	0.494	0.475	0.469	0.457	0.490	6.01
43) T	Isopropyl Acetate	0.798	0.760	0.784	0.803	0.825	0.806	0.796	2.76
44) TM	Trichloroethene	0.402	0.356	0.356	0.360	0.362	0.377	0.368	4.90
45) C	1,2-Dichloropr...	0.416	0.351	0.361	0.349	0.353	0.349	0.363	7.19#
46) T	Dibromomethane	0.262	0.257	0.245	0.252	0.249	0.248	0.252	2.60
47) T	Bromodichlorom...	0.545	0.474	0.463	0.469	0.473	0.478	0.484	6.30
48) T	Methyl methacr...	0.350	0.334	0.314	0.349	0.361	0.383	0.348	6.70
49) T	1,4-Dioxane	0.010	0.009	0.009	0.010	0.010	0.010	0.010	4.69
50) S	Toluene-d8		1.217	1.075	1.298	1.232	1.356	1.236	8.54
51) T	4-Methyl-2-Pen...	0.545	0.559	0.576	0.581	0.600	0.564	0.571	3.33
52) CM	Toluene	0.837	0.856	0.876	0.908	0.922	0.926	0.888	4.16#
53) T	t-1,3-Dichloro...	0.446	0.454	0.448	0.479	0.502	0.538	0.478	7.64
54) T	cis-1,3-Dichlo...	0.524	0.504	0.515	0.543	0.563	0.584	0.539	5.63
55) T	1,1,2-Trichlor...	0.362	0.380	0.373	0.367	0.371	0.367	0.370	1.69
56) T	Ethyl methacry...	0.419	0.456	0.473	0.538	0.583	0.593	0.510	14.04

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57)	T	1,3-Dichloropr...	0.655	0.641	0.615	0.616	0.622	0.618	0.628	2.62
58)	T	2-Chloroethyl ...	0.186	0.205	0.218	0.230	0.257	0.281	0.229	15.15
59)	T	2-Hexanone	0.381	0.427	0.428	0.446	0.471	0.442	0.433	6.86
60)	T	Dibromochlorom...	0.351	0.350	0.351	0.374	0.383	0.400	0.368	5.69
61)	T	1,2-Dibromoethane	0.402	0.374	0.356	0.373	0.390	0.392	0.381	4.36
62)	S	4-Bromofluorob...	0.343	0.308	0.401	0.404	0.455	0.382		15.02
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.458	0.388	0.402	0.380	0.373	0.383	0.397	7.82
65)	PM	Chlorobenzene	1.174	1.040	1.029	1.035	1.028	1.066	1.062	5.31
66)	T	1,1,1,2-Tetrac...	0.411	0.359	0.374	0.375	0.377	0.389	0.381	4.60
67)	C	Ethyl Benzene	1.795	1.680	1.721	1.801	1.851	1.902	1.792	4.55#
68)	T	m/p-Xylenes	0.635	0.650	0.656	0.699	0.713	0.748	0.683	6.38
69)	T	o-Xylene	0.593	0.627	0.647	0.689	0.711	0.729	0.666	7.87
70)	T	Styrene	0.915	0.958	1.022	1.119	1.172	1.213	1.066	11.27
71)	P	Bromoform	0.341	0.283	0.290	0.309	0.323	0.340	0.314	7.82
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.415	3.687	3.703	3.755	3.653	3.748	3.660	3.44
74)	T	N-amyl acetate	1.348	1.370	1.366	1.390	1.409	1.414	1.383	1.88
75)	P	1,1,2,2-Tetrac...	1.714	1.569	1.437	1.318	1.247	1.190	1.412	14.22
76)	T	1,2,3-Trichlor...	1.314	1.386	1.113	1.181	0.946	0.872	1.135	17.72
77)	T	Bromobenzene	1.044	1.009	0.906	0.924	0.905	0.931	0.953	6.16
78)	T	n-propylbenzene	3.762	3.994	4.098	4.273	4.213	4.370	4.118	5.31
79)	T	2-Chlorotoluene	2.649	2.602	2.615	2.556	2.484	2.517	2.570	2.44
80)	T	1,3,5-Trimethy...	2.720	2.941	3.068	3.177	3.043	3.124	3.012	5.44
81)	T	trans-1,4-Dich...	0.384	0.371	0.387	0.381	0.406	0.386		3.33
82)	T	4-Chlorotoluene	2.330	2.487	2.446	2.463	2.401	2.490	2.436	2.52
83)	T	tert-Butylbenzene	2.455	2.539	2.714	2.790	2.764	2.746	2.668	5.15
84)	T	1,2,4-Trimethy...	2.529	2.895	3.044	3.134	3.065	3.104	2.962	7.69
85)	T	sec-Butylbenzene	3.256	3.601	3.662	3.808	3.854	3.945	3.687	6.67
86)	T	p-Isopropyltol...	2.325	2.631	2.845	3.095	3.186	3.358	2.907	13.19
87)	T	1,3-Dichlorobe...	1.990	1.728	1.689	1.669	1.646	1.716	1.740	7.24
88)	T	1,4-Dichlorobe...	1.985	1.715	1.729	1.686	1.636	1.693	1.741	7.12
89)	T	n-Butylbenzene	2.223	2.079	2.170	2.395	2.528	2.795	2.365	11.23
90)	T	Hexachloroethane	0.594	0.604	0.565	0.563	0.557	0.578	0.577	3.26
91)	T	1,2-Dichlorobe...	1.967	1.798	1.746	1.718	1.673	1.676	1.763	6.25
92)	T	1,2-Dibromo-3-...	0.325	0.282	0.279	0.273	0.271	0.271	0.284	7.32
93)	T	1,2,4-Trichlor...	0.821	0.760	0.787	0.900	0.934	1.050	0.876	12.37
94)	T	Hexachlorobuta...	0.504	0.476	0.455	0.453	0.461	0.507	0.476	5.13
95)	T	Naphthalene	2.461	2.348	2.615	3.079	3.204	3.340	2.841	14.73
96)	T	1,2,3-Trichlor...	0.941	0.785	0.856	0.946	0.966	1.035	0.921	9.57

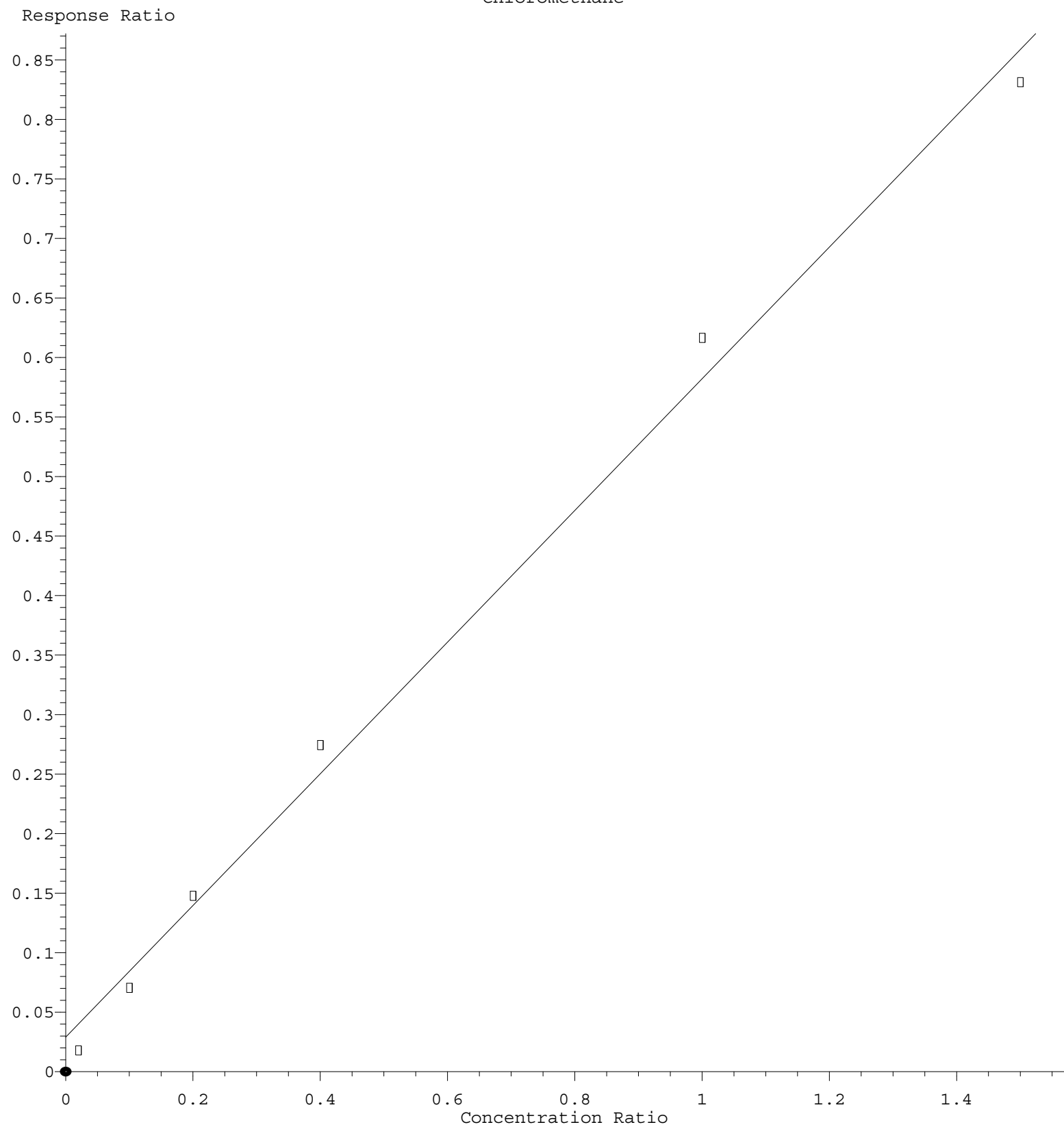
(#) = Out of Range

Chloroethane



Response = $4.737\text{e-}001 * \text{Amt} + 2.105\text{e-}002$
Coef of Det (r^2) = 0.997315 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N072822W.M
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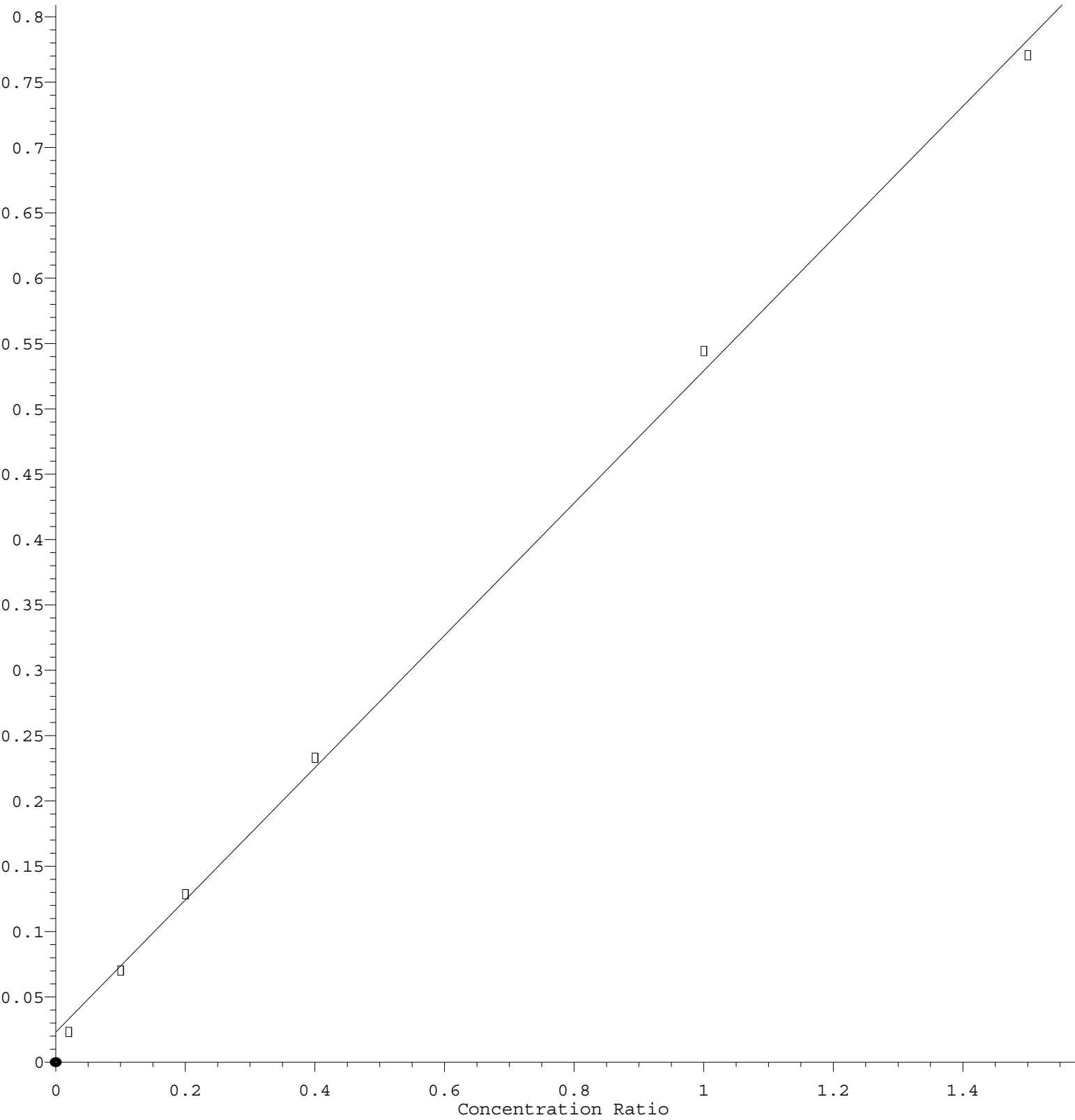
Chloromethane



Response = 5.537e-001 * Amt + 2.921e-002
Coef of Det (r^2) = 0.993903 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N072822W.M
Calibration Table Last Updated: Fri Jul 29 02:20:25 2022

Methylene Chloride

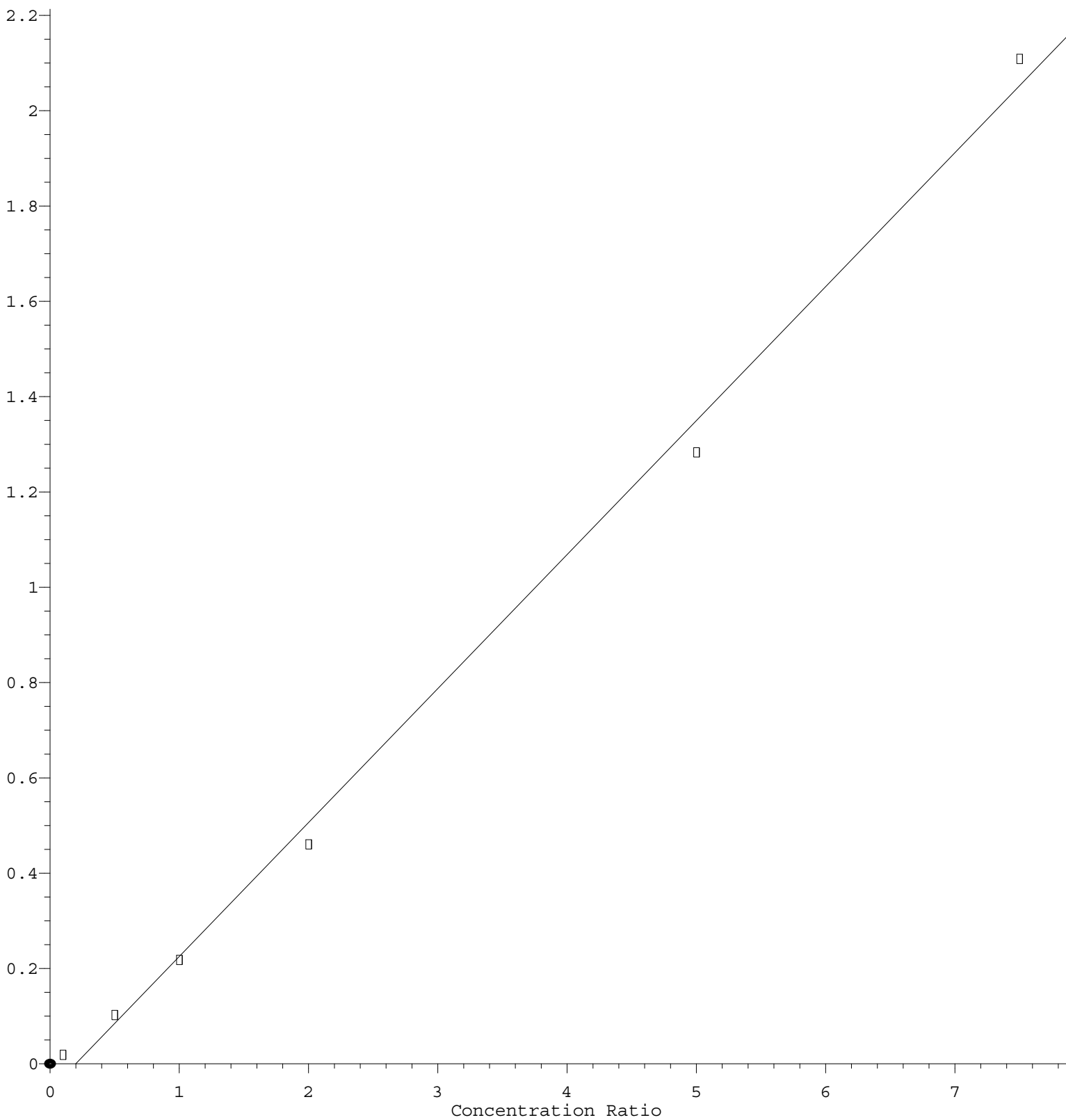
Response Ratio



Response = 5.061e-001 * Amt + 2.334e-002
 Coef of Det (r^2) = 0.998768 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N072822W.M
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2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 2.811\text{e-}001 * \text{Amt} - 5.590\text{e-}002$$

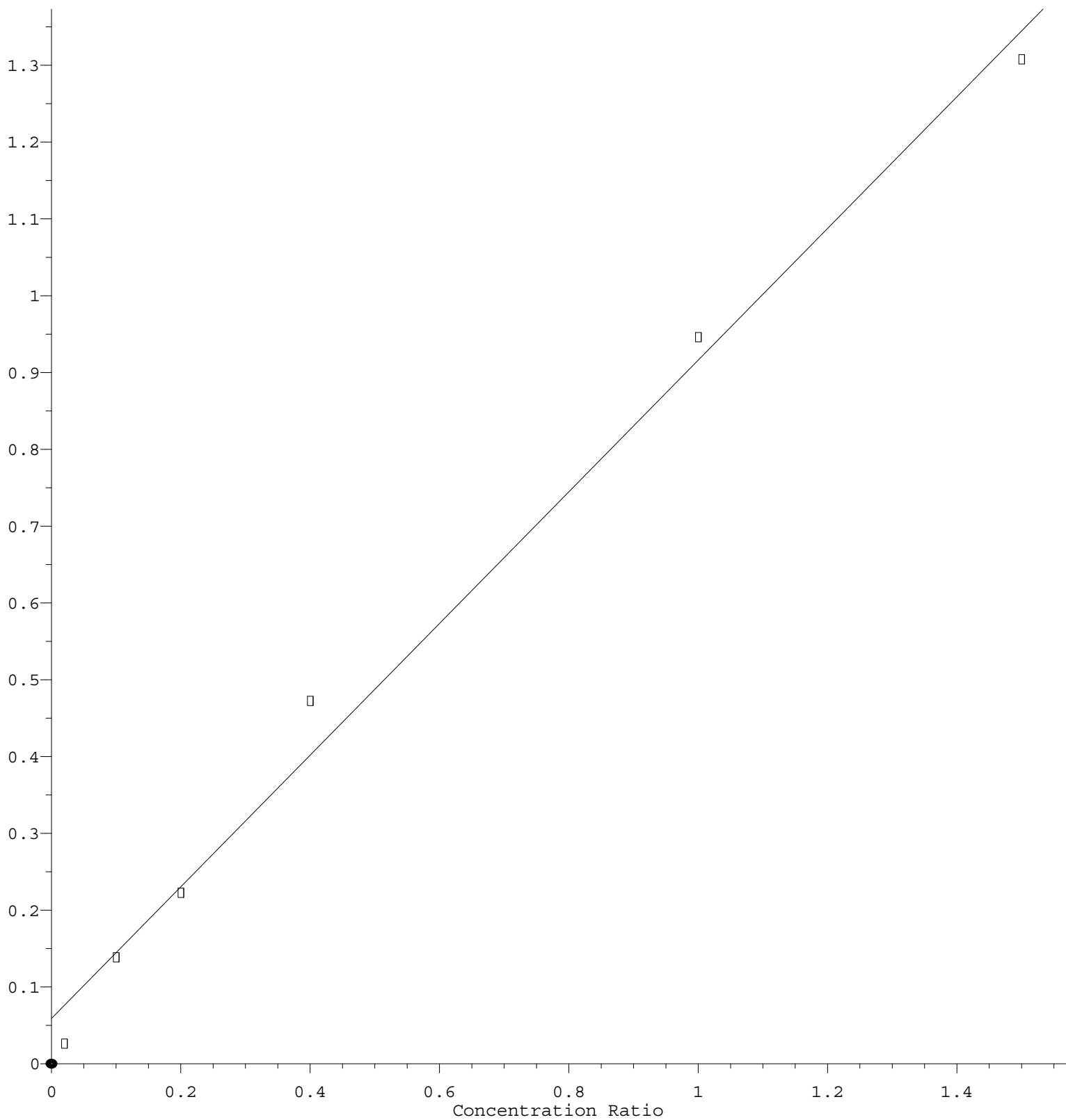
Coef of Det (r^2) = 0.996441 Curve Fit: Linear

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1,2,3-Trichloropropane

Response Ratio



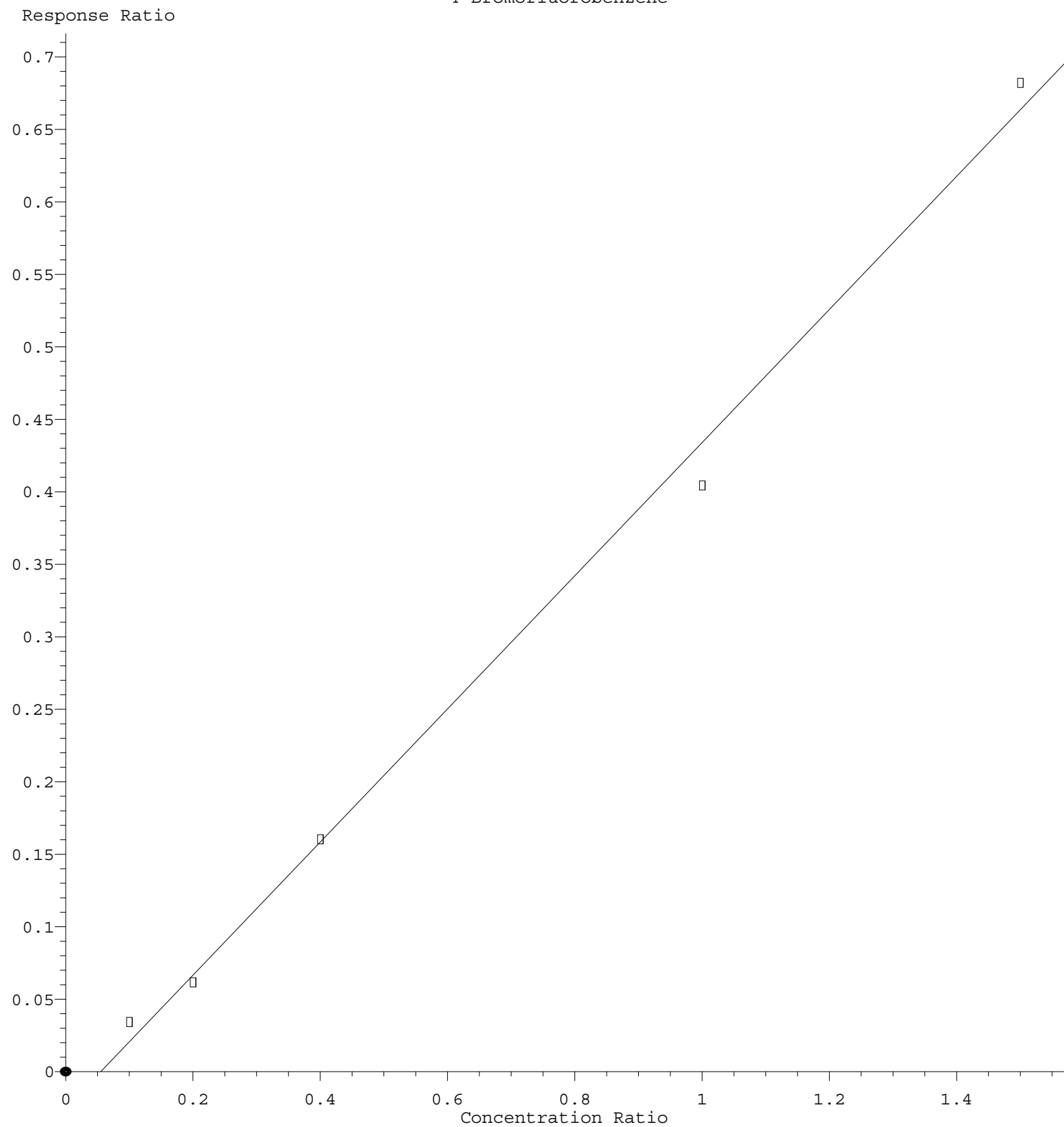
$$\text{Response} = 8.569\text{e-}001 * \text{Amt} + 5.906\text{e-}002$$

Coef of Det (r^2) = 0.992335 Curve Fit: Linear

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4-Bromofluorobenzene



Response = $4.590 \times 10^{-1} \times \text{Amt} - 2.523 \times 10^{-2}$
Coef of Det (r^2) = 0.995208 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N072822W.M
Calibration Table Last Updated: Wed Aug 10 05:04:54 2022