

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N121824W.M
 Title : SW846 8260
 Last Update : Thu Dec 19 06:31:00 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN085250.D 5 =VN085249.D 10 =VN085248.D 20 =VN085247.D 50 =VN085246.D 100 =VN085245.

D

Compound		1	5	10	20	50	100	Avg	%RSD

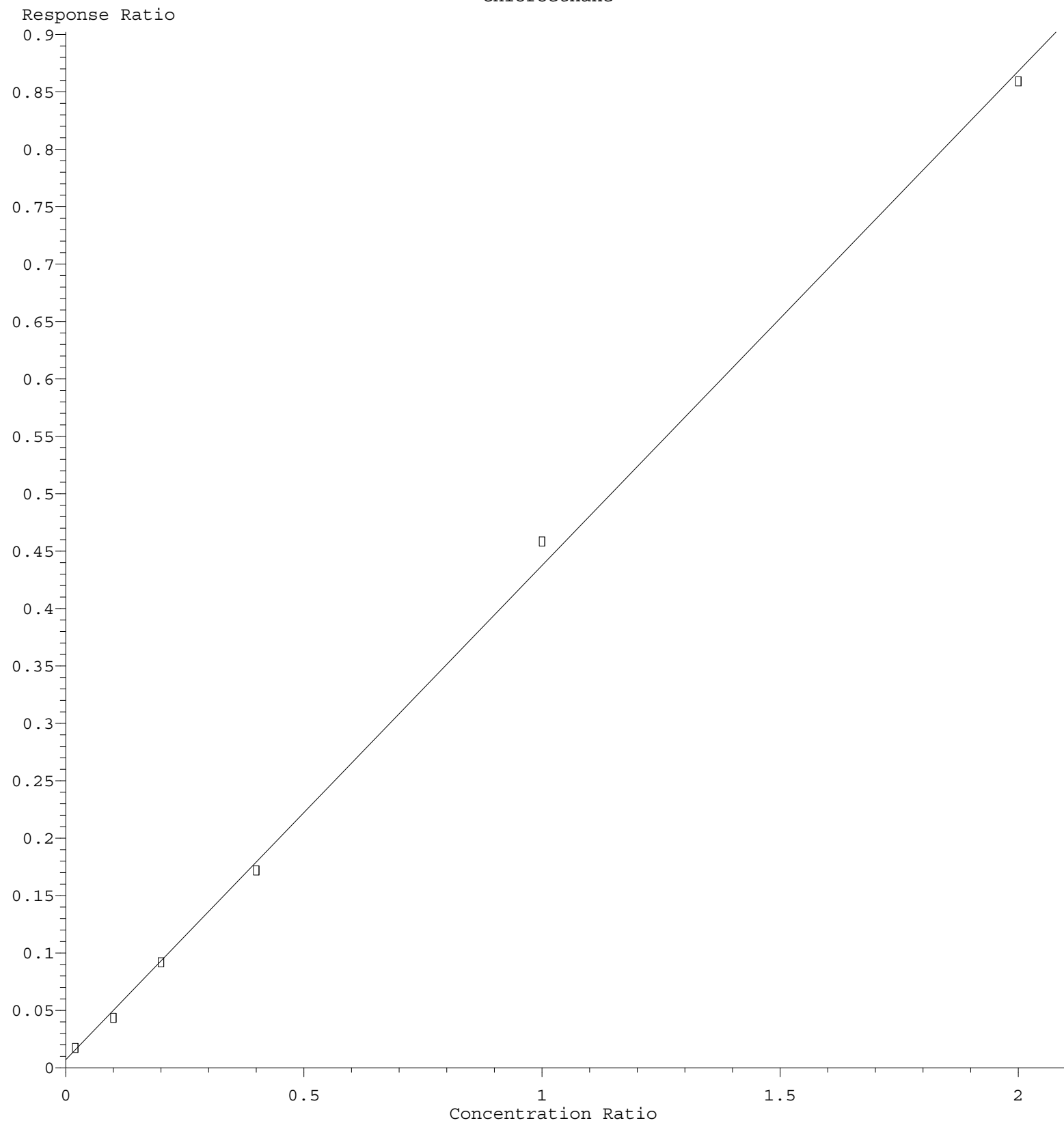
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.797	0.724	0.854	0.703	0.859	0.842	0.797	8.58
3) P	Chloromethane	0.956	0.675	0.784	0.693	0.751	0.697	0.759	13.78
4) C	Vinyl Chloride	0.769	0.670	0.731	0.669	0.732	0.698	0.711	5.55#
5) T	Bromomethane	0.490	0.498	0.446	0.472	0.428	0.467	0.467	6.34
6) T	Chloroethane	0.867	0.435	0.459	0.430	0.458	0.430	0.513	33.85
7) T	Trichlorofluor...	1.081	1.181	1.232	1.077	1.221	1.101	1.149	6.19
8) T	Diethyl Ether	0.307	0.343	0.394	0.354	0.388	0.378	0.361	9.09
9) T	1,1,2-Trichlor...	0.614	0.603	0.650	0.581	0.621	0.628	0.616	3.78
10) T	Methyl Iodide	0.649	0.724	0.667	0.737	0.735	0.702	0.702	5.91
11) T	Tert butyl alc...	0.134	0.125	0.121	0.116	0.110	0.121	0.121	7.60
12) CM	1,1-Dichloroet...	0.526	0.578	0.588	0.550	0.595	0.587	0.571	4.76#
13) T	Acrolein	0.154	0.149	0.127	0.134	0.135	0.140	0.140	8.08
14) T	Allyl chloride	1.003	0.975	0.958	0.960	1.007	1.028	0.988	2.89
15) T	Acrylonitrile	0.322	0.336	0.351	0.317	0.335	0.323	0.331	3.83
16) T	Acetone	0.346	0.289	0.321	0.290	0.292	0.273	0.302	8.82
17) T	Carbon Disulfide	2.572	1.854	1.919	1.716	1.824	1.801	1.948	16.08
18) T	Methyl Acetate	0.949	0.860	0.881	0.820	0.831	0.784	0.854	6.67
19) T	Methyl tert-bu...	1.811	1.871	1.978	1.902	2.080	2.095	1.956	5.89
20) T	Methylene Chlo...	0.681	0.653	0.668	0.645	0.665	0.647	0.660	2.11
21) T	trans-1,2-Dich...	0.721	0.633	0.598	0.587	0.615	0.622	0.629	7.61
22) T	Diisopropyl ether	1.651	2.037	2.271	2.096	2.291	2.304	2.108	11.85
23) T	Vinyl Acetate	1.377	1.479	1.650	1.648	1.788	1.832	1.629	10.74
24) P	1,1-Dichloroet...	1.193	1.200	1.271	1.202	1.237	1.225	1.221	2.42
25) T	2-Butanone	0.466	0.450	0.487	0.448	0.467	0.454	0.462	3.13
26) T	2,2-Dichloropr...	1.123	1.086	1.211	1.056	1.156	1.153	1.131	4.88
27) T	cis-1,2-Dichlo...	0.786	0.679	0.757	0.680	0.745	0.749	0.733	5.95
28) T	Bromochloromet...	0.681	0.584	0.630	0.584	0.615	0.601	0.616	5.93
29) T	Tetrahydrofuran	0.283	0.277	0.315	0.296	0.315	0.301	0.298	5.25
30) C	Chloroform	1.488	1.250	1.306	1.212	1.281	1.288	1.304	7.36#
31) T	Cyclohexane	1.223	1.178	1.039	1.107	1.105	1.131	1.131	6.30
32) T	1,1,1-Trichlor...	1.211	1.095	1.182	1.123	1.180	1.184	1.162	3.77
33) S	1,2-Dichloroet...	0.872	1.033	0.811	0.816	0.837	0.874	0.874	10.57

34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.332	0.397	0.331	0.339	0.358	0.352	0.352	7.89
36) T	1,1-Dichloropr...	0.450	0.427	0.505	0.478	0.521	0.556	0.489	9.73
37) T	Ethyl Acetate	0.538	0.593	0.589	0.529	0.568	0.571	0.565	4.65
38) T	Carbon Tetrach...	0.620	0.571	0.587	0.550	0.595	0.629	0.592	4.98
39) T	Methylcyclohexane	0.453	0.434	0.495	0.487	0.564	0.623	0.509	14.01
40) TM	Benzene	1.413	1.472	1.530	1.493	1.576	1.652	1.523	5.51
41) T	Methacrylonitrile	0.249	0.269	0.299	0.288	0.300	0.322	0.288	8.90
42) TM	1,2-Dichloroet...	0.539	0.567	0.614	0.548	0.592	0.620	0.580	5.86
43) T	Isopropyl Acetate	1.307	0.934	1.031	0.923	0.982	1.018	1.033	13.68
44) TM	Trichloroethene	0.334	0.327	0.338	0.325	0.343	0.367	0.339	4.41
45) C	1,2-Dichloropr...	0.365	0.370	0.373	0.355	0.392	0.406	0.377	4.96#
46) T	Dibromomethane	0.251	0.264	0.276	0.257	0.276	0.291	0.269	5.42
47) T	Bromodichlorom...	0.533	0.543	0.582	0.569	0.602	0.631	0.577	6.33
48) T	Methyl methacr...	0.367	0.380	0.427	0.420	0.460	0.486	0.423	10.77
49) T	1,4-Dioxane	0.005	0.006	0.008	0.007	0.007	0.007	0.007	15.97
50) S	Toluene-d8	1.169	1.395	1.190	1.284	1.386	1.285	1.285	8.26
51) T	4-Methyl-2-Pen...	0.442	0.515	0.579	0.545	0.583	0.591	0.543	10.52
52) CM	Toluene	0.852	0.841	0.907	0.867	0.985	1.041	0.916	8.81#
53) T	t-1,3-Dichloro...	0.428	0.532	0.559	0.559	0.618	0.676	0.562	14.85
54) T	cis-1,3-Dichlo...	0.504	0.554	0.613	0.575	0.647	0.692	0.598	11.26
55) T	1,1,2-Trichlor...	0.312	0.328	0.350	0.340	0.352	0.375	0.343	6.28

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56)	T	Ethyl methacry...	0.380	0.456	0.539	0.530	0.634	0.674	0.535	20.39
57)	T	1,3-Dichloropr...	0.560	0.576	0.600	0.581	0.636	0.668	0.603	6.77
58)	T	2-Chloroethyl ...	0.152	0.200	0.221	0.234	0.292	0.325	0.237	26.45
59)	T	2-Hexanone	0.283	0.353	0.418	0.406	0.426	0.434	0.387	15.09
60)	T	Dibromochlorom...	0.350	0.387	0.410	0.397	0.435	0.459	0.406	9.40
61)	T	1,2-Dibromoethane	0.320	0.338	0.371	0.336	0.369	0.384	0.353	7.10
62)	S	4-Bromofluorob...	0.396	0.486	0.425	0.468	0.520	0.459		10.73
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.319	0.341	0.348	0.319	0.341	0.352	0.336	4.25
65)	PM	Chlorobenzene	1.127	1.098	1.109	1.070	1.139	1.201	1.124	3.99
66)	T	1,1,1,2-Tetrac...	0.339	0.384	0.414	0.384	0.403	0.429	0.392	7.95
67)	C	Ethyl Benzene	1.639	1.721	1.905	1.893	2.137	2.263	1.926	12.37#
68)	T	m/p-Xylenes	0.598	0.642	0.704	0.731	0.807	0.841	0.721	12.96
69)	T	o-Xylene	0.533	0.578	0.703	0.673	0.761	0.816	0.677	15.86
70)	T	Styrene	0.866	0.947	1.085	1.166	1.306	1.414	1.131	18.49
71)	P	Bromoform	0.265	0.308	0.304	0.302	0.322	0.343	0.307	8.40
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.678	3.331	3.835	3.636	3.980	4.181	3.607	14.98
74)	T	N-amyl acetate	1.406	1.554	1.900	1.818	2.043	2.089	1.801	15.08
75)	P	1,1,2,2-Tetrac...	1.349	1.283	1.363	1.233	1.258	1.225	1.285	4.56
76)	T	1,2,3-Trichlor...	1.170	1.093	1.178	1.634	1.061	1.015	1.192	18.92
77)	T	Bromobenzene	1.070	0.893	0.955	0.869	0.940	0.955	0.947	7.35
78)	T	n-propylbenzene	3.784	3.730	4.544	4.457	4.892	5.134	4.424	12.91
79)	T	2-Chlorotoluene	2.486	2.611	2.975	2.739	3.007	3.032	2.809	8.20
80)	T	1,3,5-Trimethy...	2.259	2.496	3.207	3.113	3.448	3.528	3.008	17.20
81)	T	trans-1,4-Dich...	0.371	0.488	0.429	0.463	0.494	0.449		11.22
82)	T	4-Chlorotoluene	2.446	2.655	2.925	2.815	3.071	3.140	2.842	9.18
83)	T	tert-Butylbenzene	2.210	2.278	2.608	2.492	2.821	2.899	2.551	10.97
84)	T	1,2,4-Trimethy...	2.459	2.651	3.166	3.119	3.479	3.578	3.075	14.43
85)	T	sec-Butylbenzene	2.712	3.004	3.678	3.638	4.094	4.217	3.557	16.70
86)	T	p-Isopropyltol...	1.942	2.339	2.854	2.967	3.382	3.536	2.837	21.45
87)	T	1,3-Dichlorobe...	1.799	1.616	1.822	1.634	1.768	1.825	1.744	5.42
88)	T	1,4-Dichlorobe...	2.116	1.721	1.789	1.652	1.765	1.784	1.805	8.92
89)	T	n-Butylbenzene	2.330	2.101	2.510	2.562	2.975	3.217	2.616	15.78
90)	T	Hexachloroethane	0.677	0.588	0.692	0.608	0.669	0.687	0.653	6.80
91)	T	1,2-Dichlorobe...	1.499	1.539	1.686	1.598	1.708	1.702	1.622	5.54
92)	T	1,2-Dibromo-3-...	0.171	0.251	0.289	0.247	0.267	0.254	0.246	16.35
93)	T	1,2,4-Trichlor...	0.970	0.719	0.785	0.755	0.860	0.892	0.830	11.31
94)	T	Hexachlorobuta...	0.541	0.461	0.414	0.385	0.389	0.399	0.432	14.01
95)	T	Naphthalene	3.182	2.259	2.619	2.558	2.910	2.969	2.750	12.12
96)	T	1,2,3-Trichlor...	0.954	0.753	0.827	0.754	0.840	0.848	0.829	8.93

(#) = Out of Range

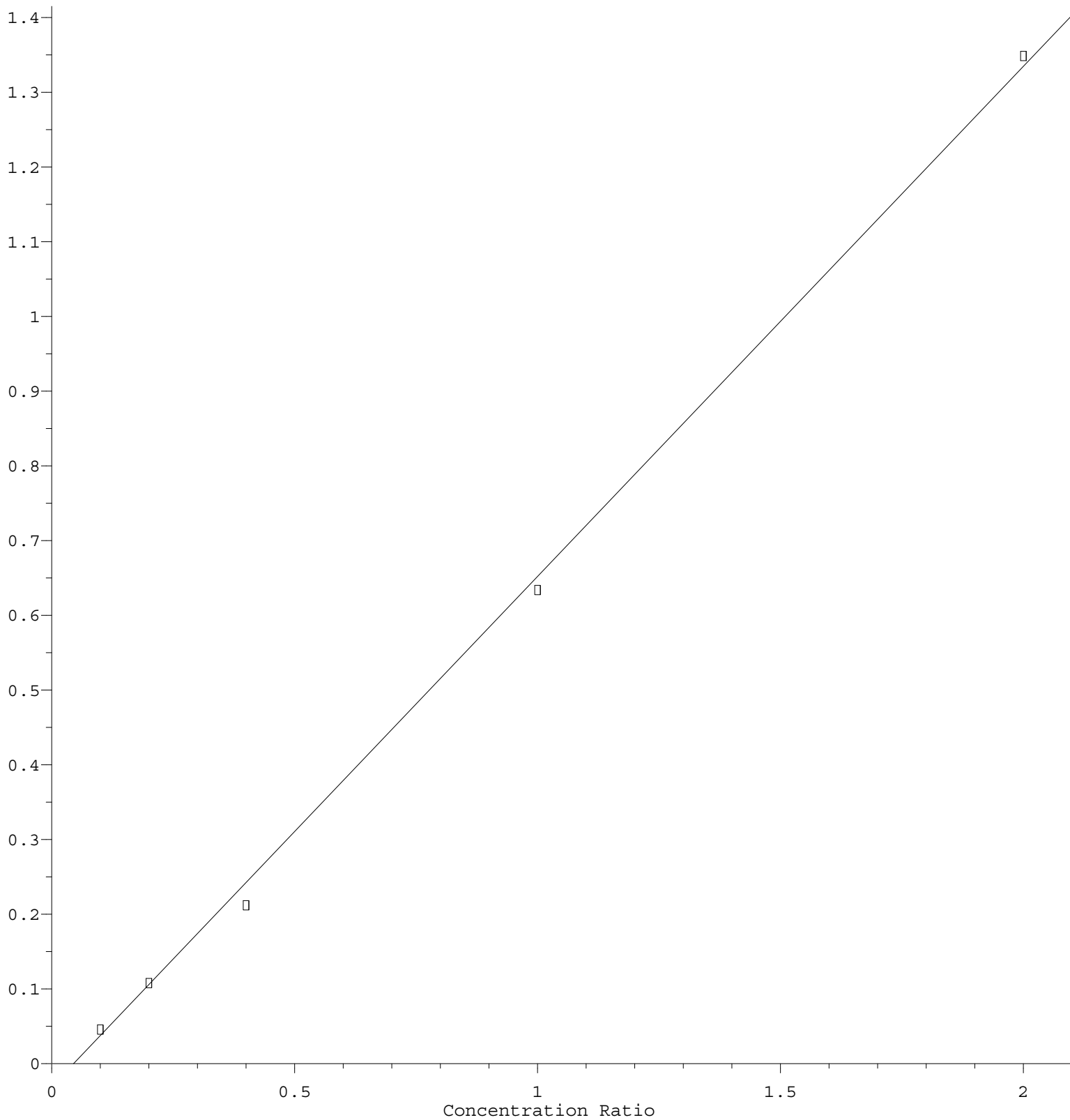
Chloroethane



Response = $4.306 \times 10^{-1} \times \text{Amt} + 6.741 \times 10^{-3}$
Coef of Det (r^2) = 0.998857 Curve Fit: Linear
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Ethyl methacrylate

Response Ratio



$$\text{Response} = 6.824\text{e-}001 * \text{Amt} - 3.052\text{e-}002$$

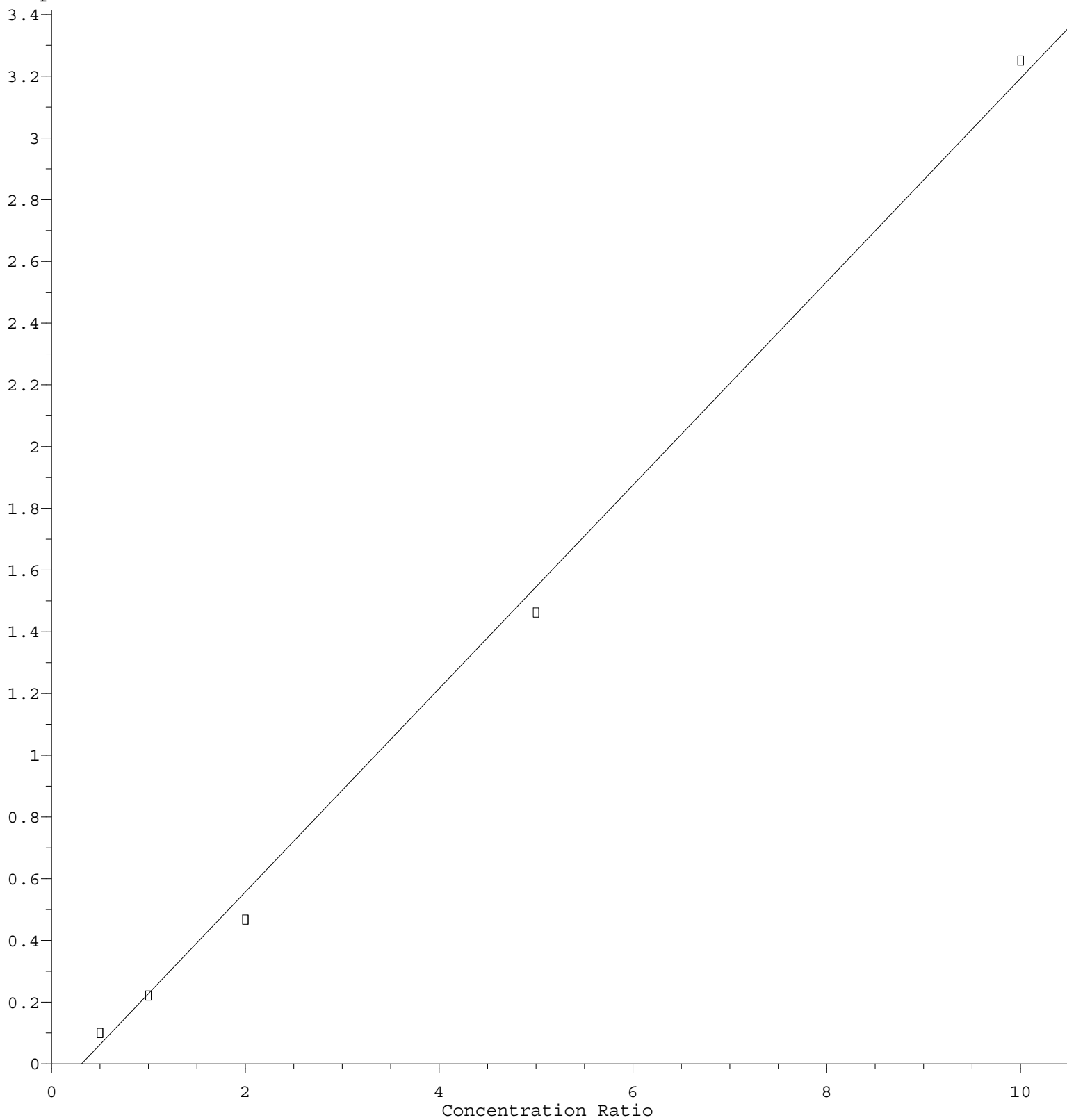
Coef of Det (r^2) = 0.998432 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N121824W.M

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2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 3.296\text{e-}001 * \text{Amt} - 1.021\text{e-}001$$

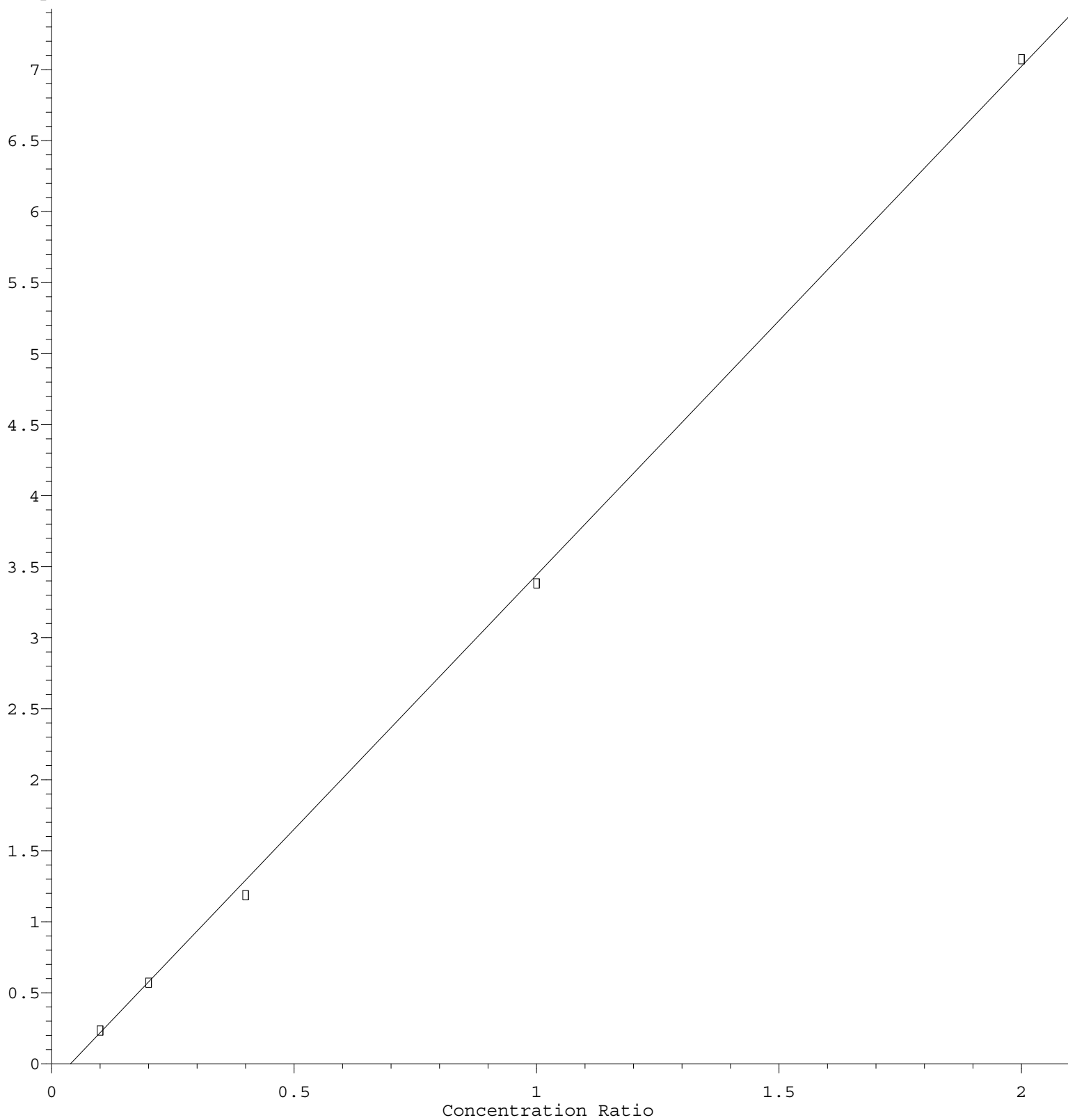
Coef of Det (r^2) = 0.996612 Curve Fit: Linear

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p-Isopropyltoluene

Response Ratio



$$\text{Response} = 3.581\text{e}+000 * \text{Amt} - 1.394\text{e}-001$$

Coef of Det (r^2) = 0.999224 Curve Fit: Linear

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