

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N011024W.M
 Title : SW846 8260
 Last Update : Thu Jan 11 06:34:36 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN080662.D 5 =VN080661.D 10 =VN080660.D 20 =VN080659.D 50 =VN080658.D 100 =VN080657.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.774	0.724	0.804	0.862	0.881	0.828	0.812	7.11
3) P	Chloromethane	1.715	1.044	0.933	0.895	0.924	0.932	1.074	29.65
4) C	Vinyl Chloride	0.824	0.713	0.697	0.707	0.744	0.737	0.737	6.25#
5) T	Bromomethane		0.318	0.291	0.263	0.276	0.252	0.280	9.12
6) T	Chloroethane	0.678	0.457	0.401	0.375	0.399	0.394	0.451	25.46
7) T	Trichlorofluor...	1.186	1.268	1.144	1.187	1.284	1.233	1.217	4.44
8) T	Diethyl Ether	0.572	0.550	0.541	0.499	0.528	0.502	0.532	5.33
9) T	1,1,2-Trichlor...	0.754	0.669	0.605	0.627	0.680	0.645	0.663	7.83
10) T	Methyl Iodide		0.532	0.548	0.533	0.587	0.573	0.555	4.43
11) T	Tert butyl alc...		0.163	0.144	0.140	0.154	0.141	0.148	6.67
12) CM	1,1-Dichloroet...	0.983	0.771	0.698	0.658	0.700	0.668	0.746	16.43#
13) T	Acrolein		0.164	0.115	0.115	0.113	0.113	0.124	18.00
14) T	Allyl chloride	1.904	1.447	1.342	1.344	1.407	1.435	1.480	14.35
15) T	Acrylonitrile	0.424	0.397	0.381	0.369	0.388	0.368	0.388	5.37
16) T	Acetone	0.212	0.318	0.294	0.293	0.321	0.292	0.288	13.83
17) T	Carbon Disulfide	2.814	2.324	2.251	2.137	2.118	2.056	2.283	12.15
18) T	Methyl Acetate	0.593	1.129	0.858	0.850	0.880	0.840	0.858	19.80
19) T	Methyl tert-bu...	2.677	2.699	2.538	2.456	2.571	2.493	2.572	3.80
20) T	Methylene Chlo...	1.172	0.840	0.774	0.737	0.778	0.748	0.842	19.67
21) T	trans-1,2-Dich...	0.873	0.751	0.746	0.719	0.734	0.720	0.757	7.67
22) T	Diisopropyl ether	2.789	3.072	2.784	2.725	2.745	2.627	2.790	5.37
23) T	Vinyl Acetate	2.296	2.428	2.272	2.141	2.321	2.169	2.271	4.62
24) P	1,1-Dichloroet...	1.697	1.523	1.518	1.469	1.511	1.447	1.528	5.79
25) T	2-Butanone	0.573	0.556	0.501	0.484	0.524	0.488	0.521	7.07
26) T	2,2-Dichloropr...	1.401	1.390	1.285	1.281	1.344	1.314	1.336	3.86
27) T	cis-1,2-Dichlo...	0.843	0.890	0.811	0.815	0.847	0.802	0.835	3.87
28) T	Bromochloromet...	0.802	0.765	0.637	0.690	0.702	0.688	0.714	8.34
29) T	Tetrahydrofuran	0.412	0.332	0.358	0.321	0.355	0.330	0.351	9.38
30) C	Chloroform	1.508	1.467	1.391	1.401	1.429	1.396	1.432	3.27#
31) T	Cyclohexane		1.655	1.303	1.342	1.265	1.217	1.357	12.78
32) T	1,1,1-Trichlor...	1.385	1.228	1.240	1.249	1.281	1.265	1.275	4.48
33) S	1,2-Dichloroet...		1.061	0.776	0.688	0.926	0.939	0.878	16.72
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.309	0.257	0.223	0.319	0.313	0.284	14.89
36) T	1,1-Dichloropr...	0.657	0.582	0.561	0.558	0.574	0.558	0.582	6.57
37) T	Ethyl Acetate	0.599	0.559	0.548	0.562	0.574	0.544	0.564	3.56
38) T	Carbon Tetrach...	0.517	0.547	0.496	0.514	0.538	0.523	0.523	3.52
39) T	Methylcyclohexane	0.604	0.563	0.517	0.545	0.571	0.541	0.557	5.34
40) TM	Benzene	1.697	1.731	1.602	1.569	1.631	1.586	1.636	3.96
41) T	Methacrylonitrile	0.316	0.339	0.328	0.326	0.343	0.312	0.327	3.71
42) TM	1,2-Dichloroet...	0.597	0.647	0.603	0.641	0.636	0.633	0.626	3.35
43) T	Isopropyl Acetate	1.056	1.077	1.022	1.002	1.056	1.010	1.037	2.90
44) TM	Trichloroethene	0.407	0.402	0.325	0.362	0.367	0.359	0.370	8.21
45) C	1,2-Dichloropr...	0.439	0.456	0.423	0.429	0.430	0.425	0.434	2.88#
46) T	Dibromomethane	0.285	0.283	0.267	0.267	0.275	0.269	0.274	2.97
47) T	Bromodichlorom...	0.721	0.597	0.557	0.589	0.603	0.587	0.609	9.38
48) T	Methyl methacr...	0.490	0.508	0.485	0.470	0.496	0.497	0.491	2.67
49) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.007	0.006	0.006	7.14
50) S	Toluene-d8		1.246	0.940	0.882	1.162	1.186	1.083	14.91
51) T	4-Methyl-2-Pen...	0.566	0.583	0.546	0.547	0.571	0.545	0.560	2.82
52) CM	Toluene	0.930	0.956	0.917	0.941	0.949	0.930	0.937	1.52#
53) T	t-1,3-Dichloro...	0.623	0.722	0.635	0.673	0.707	0.697	0.676	5.94
54) T	cis-1,3-Dichlo...	0.731	0.693	0.715	0.711	0.734	0.719	0.717	2.08
55) T	1,1,2-Trichlor...	0.371	0.378	0.358	0.346	0.355	0.356	0.361	3.24
56) T	Ethyl methacry...	0.688	0.662	0.621	0.624	0.644	0.639	0.646	3.89

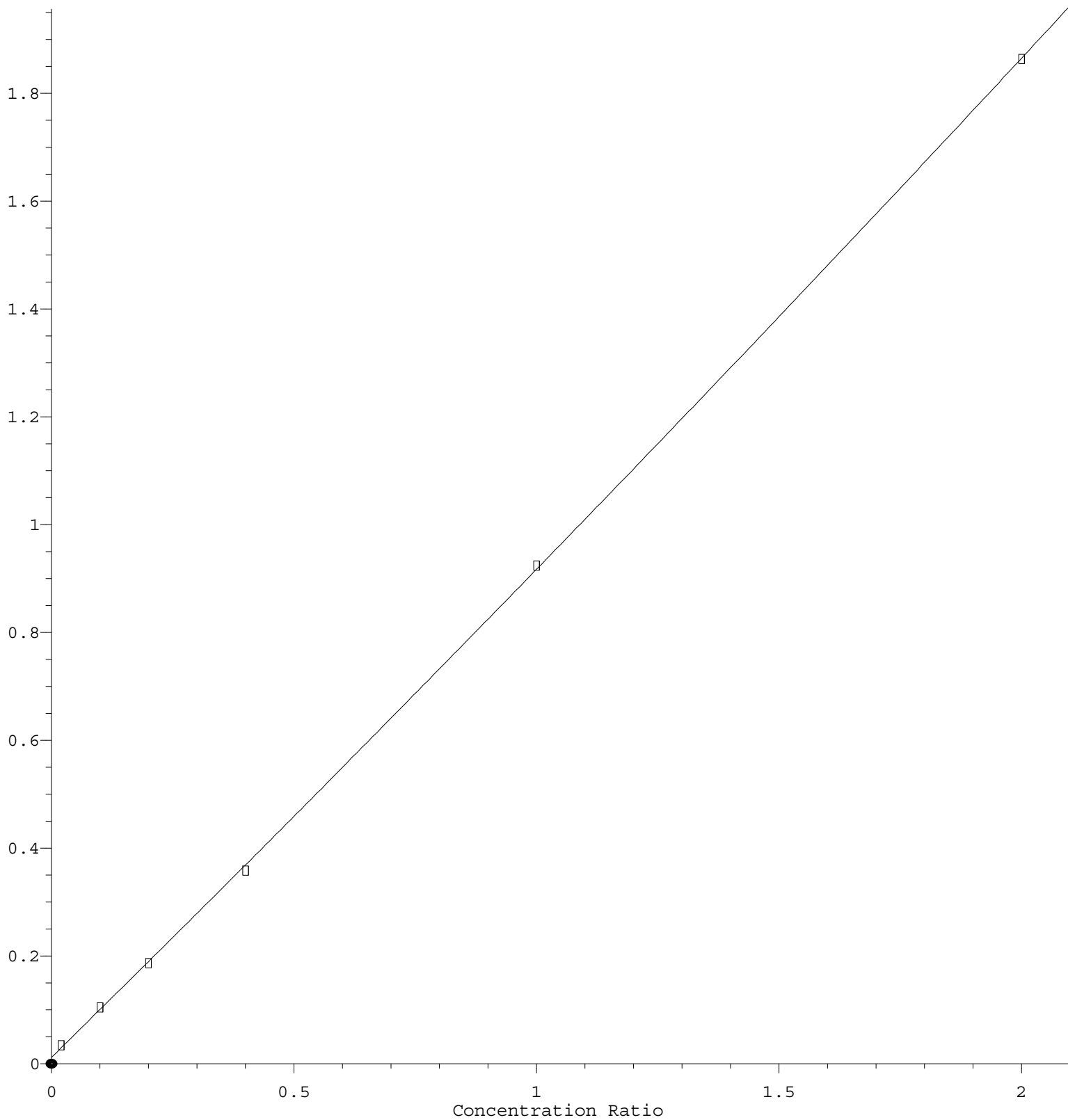
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
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57)	T	1,3-Dichloropr...	0.614	0.695	0.648	0.649	0.682	0.663	0.659	4.36
58)	T	2-Chloroethyl ...	0.285	0.336	0.310	0.296	0.315	0.315	0.310	5.65
59)	T	2-Hexanone	0.408	0.423	0.403	0.415	0.425	0.406	0.413	2.20
60)	T	Dibromochlorom...	0.380	0.362	0.355	0.373	0.375	0.379	0.371	2.75
61)	T	1,2-Dibromoethane	0.334	0.359	0.348	0.358	0.368	0.361	0.355	3.43
62)	S	4-Bromofluorob...		0.485	0.366	0.319	0.445	0.461	0.415	16.84
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.380	0.337	0.348	0.338	0.337	0.320	0.343	5.92
65)	PM	Chlorobenzene	1.151	1.097	1.046	1.089	1.124	1.048	1.092	3.79
66)	T	1,1,1,2-Tetrac...	0.373	0.411	0.387	0.373	0.406	0.377	0.388	4.35
67)	C	Ethyl Benzene	2.040	2.204	2.003	2.070	2.155	2.044	2.086	3.70#
68)	T	m/p-Xylenes	0.688	0.740	0.733	0.734	0.777	0.728	0.733	3.89
69)	T	o-Xylene	0.671	0.710	0.704	0.718	0.770	0.731	0.717	4.54
70)	T	Styrene	1.180	1.226	1.183	1.187	1.303	1.227	1.218	3.85
71)	P	Bromoform	0.261	0.264	0.257	0.259	0.284	0.276	0.267	4.05
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.725	5.009	4.612	4.598	4.969	4.615	4.755	3.95
74)	T	N-amyl acetate	2.967	3.139	2.824	2.625	2.865	2.699	2.853	6.49
75)	P	1,1,2,2-Tetrac...	1.628	1.673	1.559	1.424	1.597	1.478	1.560	6.01
76)	T	1,2,3-Trichlor...	1.753	1.704	1.437	1.394	1.538	1.425	1.542	9.94
77)	T	Bromobenzene	1.108	1.032	0.958	0.936	1.025	1.000	1.010	6.07
78)	T	n-propylbenzene	5.841	6.080	5.709	5.608	5.989	5.769	5.833	3.03
79)	T	2-Chlorotoluene	4.250	3.897	3.599	3.396	3.714	3.571	3.738	8.05
80)	T	1,3,5-Trimethy...	3.967	4.173	3.801	3.833	4.133	3.869	3.962	3.99
81)	T	trans-1,4-Dich...	0.652	0.754	0.596	0.595	0.642	0.685	0.654	9.11
82)	T	4-Chlorotoluene	4.088	3.667	3.521	3.478	3.709	3.523	3.664	6.18
83)	T	tert-Butylbenzene	3.258	3.421	3.017	3.025	3.202	3.085	3.168	4.96
84)	T	1,2,4-Trimethy...	3.750	4.159	3.771	3.803	4.060	3.835	3.896	4.37
85)	T	sec-Butylbenzene	4.715	4.584	4.309	4.228	4.721	4.447	4.501	4.61
86)	T	p-Isopropyltol...	3.722	3.611	3.343	3.426	3.690	3.537	3.555	4.20
87)	T	1,3-Dichlorobe...	1.945	1.911	1.711	1.704	1.814	1.737	1.804	5.80
88)	T	1,4-Dichlorobe...	2.169	1.777	1.751	1.658	1.881	1.789	1.838	9.65
89)	T	n-Butylbenzene	3.389	3.562	3.201	3.287	3.666	3.454	3.426	5.03
90)	T	Hexachloroethane	0.675	0.676	0.621	0.628	0.681	0.675	0.659	4.11
91)	T	1,2-Dichlorobe...	1.714	1.682	1.639	1.678	1.784	1.702	1.700	2.86
92)	T	1,2-Dibromo-3-...	0.549	0.360	0.340	0.356	0.371	0.353	0.388	20.48
93)	T	1,2,4-Trichlor...	0.818	0.938	0.892	0.815	0.945	0.903	0.885	6.42
94)	T	Hexachlorobuta...	0.572	0.383	0.410	0.388	0.411	0.384	0.425	17.28
95)	T	Naphthalene	3.787	3.471	3.222	3.362	3.675	3.386	3.484	6.04
96)	T	1,2,3-Trichlor...	0.864	0.805	0.825	0.856	0.928	0.861	0.857	4.91

(#) = Out of Range

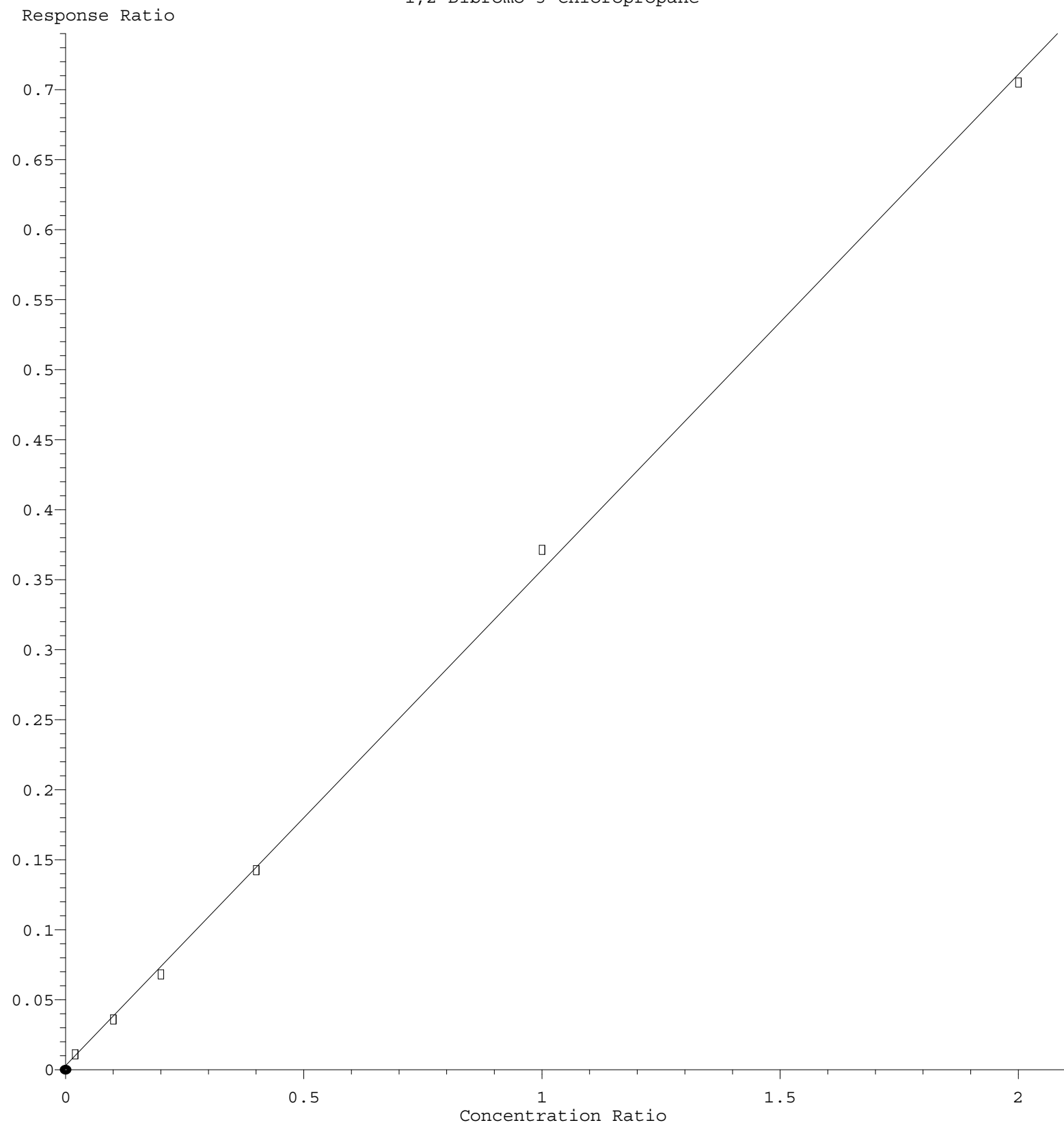
Chloromethane

Response Ratio



$R = 2.163e-002 A^2 + 8.831e-001 A + 1.221e-002$
 Coef of Det (r^2) = 0.999915 Curve Fit: Quadratic
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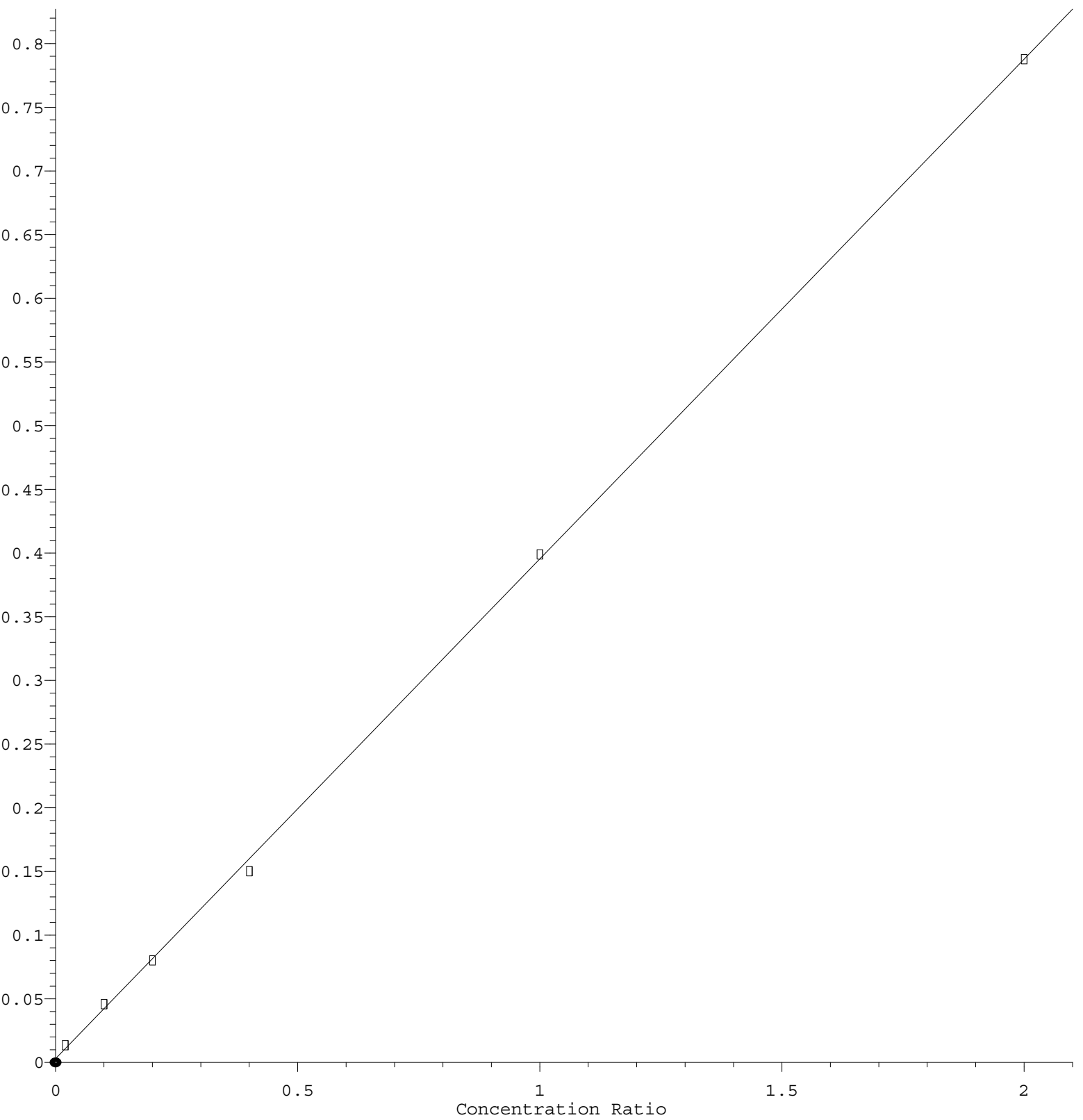
1,2-Dibromo-3-Chloropropane



Response = $3.543 \times 10^{-1} \times \text{Amt} + 2.666 \times 10^{-3}$
Coef of Det (r^2) = 0.999224 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011024W.M
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Chloroethane

Response Ratio



$$\text{Response} = 3.926\text{e-}001 * \text{Amt} + 2.628\text{e-}003$$

Coef of Det (r^2) = 0.999710 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011024W.M

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