

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X013024W.M
 Title : SW846 8260
 Last Update : Wed Jan 31 07:12:04 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX040009.D 5 =VX040010.D 20 =VX040011.D 50 =VX040012.D 100 =VX040013.D 150 =VX040014.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.517	0.597	0.514	0.503	0.606	0.643	0.563	10.52
3) P	Chloromethane	0.595	0.538	0.521	0.445	0.482	0.623	0.534	12.56
4) C	Vinyl Chloride	0.532	0.475	0.518	0.449	0.489	0.500	0.494	6.09#
5) T	Bromomethane		0.539	0.513	0.368	0.491	0.491	0.480	13.71
6) T	Chloroethane	0.333	0.330	0.343	0.299	0.280	0.371	0.326	9.85
7) T	Trichlorofluor...	0.774	0.788	0.770	0.700	0.710	0.973	0.786	12.56
8) T	Diethyl Ether	0.273	0.290	0.302	0.258	0.265	0.279	0.278	5.82
9) T	1,1,2-Trichlor...	0.556	0.619	0.618	0.563	0.573	0.589	0.586	4.60
10) T	Methyl Iodide		0.508	0.607	0.657	0.668	0.681	0.624	11.31
11) T	Tert butyl alc...		0.141	0.153	0.137	0.143	0.156	0.146	5.49
12) CM	1,1-Dichloroet...	0.518	0.602	0.579	0.542	0.554	0.579	0.562	5.36#
13) T	Acrolein		0.146	0.140	0.127	0.128	0.158	0.140	9.31
14) T	Allyl chloride	0.957	1.045	1.089	0.988	0.988	1.015	1.014	4.67
15) T	Acrylonitrile	0.363	0.374	0.392	0.353	0.350	0.362	0.366	4.21
16) T	Acetone	0.442	0.403	0.428	0.338	0.321	0.330	0.377	14.23
17) T	Carbon Disulfide	1.750	1.593	1.692	1.542	1.626	1.662	1.644	4.48
18) T	Methyl Acetate	0.826	0.847	0.859	0.942	0.923	0.963	0.893	6.34
19) T	Methyl tert-bu...	1.932	1.845	2.077	1.892	1.885	1.927	1.926	4.17
20) T	Methylene Chlo...	0.762	0.628	0.720	0.634	0.634	0.642	0.670	8.47
21) T	trans-1,2-Dich...	0.611	0.627	0.658	0.601	0.606	0.612	0.619	3.39
22) T	Diisopropyl ether	1.885	1.978	2.115	1.942	1.905	1.956	1.964	4.16
23) T	Vinyl Acetate	1.542	1.679	1.978	1.783	1.760	1.801	1.757	8.19
24) P	1,1-Dichloroet...	1.121	1.096	1.204	1.107	1.099	1.120	1.125	3.59
25) T	2-Butanone	0.522	0.544	0.576	0.503	0.492	0.508	0.524	5.95
26) T	2,2-Dichloropr...	0.843	0.819	0.918	0.872	0.891	0.922	0.877	4.68
27) T	cis-1,2-Dichlo...	0.576	0.727	0.750	0.699	0.687	0.708	0.691	8.76
28) T	Bromochloromet...	0.454	0.557	0.599	0.520	0.499	0.518	0.524	9.45
29) T	Tetrahydrofuran	0.307	0.344	0.361	0.331	0.323	0.333	0.333	5.54
30) C	Chloroform	1.239	1.231	1.290	1.165	1.152	1.167	1.208	4.52#
31) T	Cyclohexane		1.009	1.098	0.969	0.980	0.985	1.008	5.18
32) T	1,1,1-Trichlor...	1.046	1.050	1.067	1.016	1.010	1.028	1.036	2.10
33) S	1,2-Dichloroet...		0.946	0.882	0.735	0.716	0.744	0.805	12.81
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.392	0.320	0.322	0.328	0.340	0.340	8.73
36) T	1,1-Dichloropr...	0.495	0.493	0.490	0.490	0.492	0.494	0.492	0.46
37) T	Ethyl Acetate	0.480	0.573	0.534	0.545	0.532	0.562	0.538	6.01
38) T	Carbon Tetrach...	0.467	0.432	0.458	0.484	0.489	0.496	0.471	4.98
39) T	Methylcyclohexane	0.539	0.623	0.615	0.601	0.608	0.607	0.599	5.03
40) TM	Benzene	1.443	1.434	1.495	1.424	1.407	1.399	1.434	2.40
41) T	Methacrylonitrile	0.208	0.262	0.283	0.298	0.282	0.303	0.273	12.76
42) TM	1,2-Dichloroet...	0.582	0.567	0.562	0.547	0.529	0.525	0.552	4.05
43) T	Isopropyl Acetate	0.715	0.823	0.889	0.874	0.882	0.905	0.848	8.36
44) TM	Trichloroethene	0.361	0.406	0.382	0.377	0.366	0.373	0.377	4.24
45) C	1,2-Dichloropr...	0.394	0.370	0.394	0.369	0.372	0.372	0.379	3.20#
46) T	Dibromomethane	0.292	0.296	0.288	0.277	0.276	0.275	0.284	3.21
47) T	Bromodichlorom...	0.458	0.497	0.521	0.513	0.518	0.530	0.506	5.16
48) T	Methyl methacr...	0.334	0.418	0.429	0.441	0.438	0.445	0.418	10.08
49) T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.009	0.010	0.009	3.70
50) S	Toluene-d8		1.455	1.252	1.202	1.215	1.240	1.273	8.14
51) T	4-Methyl-2-Pen...	0.484	0.599	0.608	0.597	0.589	0.595	0.579	8.08
52) CM	Toluene	0.762	0.965	0.950	0.895	0.908	0.882	0.894	8.06#
53) T	t-1,3-Dichloro...	0.489	0.471	0.518	0.535	0.559	0.577	0.525	7.73
54) T	cis-1,3-Dichlo...	0.449	0.523	0.582	0.596	0.602	0.609	0.560	11.17
55) T	1,1,2-Trichlor...	0.359	0.375	0.384	0.369	0.365	0.367	0.370	2.35
56) T	Ethyl methacry...	0.403	0.487	0.569	0.580	0.594	0.607	0.540	14.67

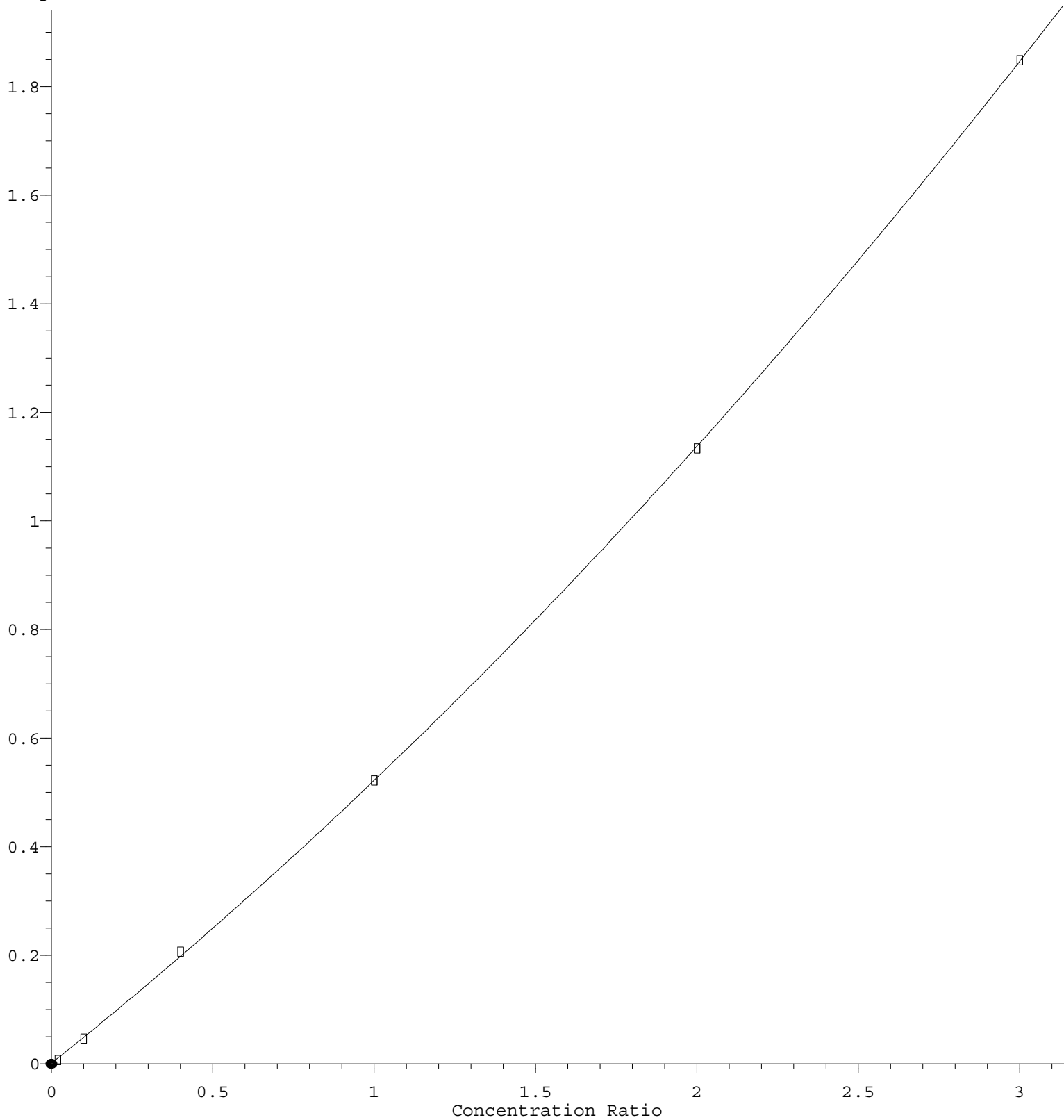
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
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57)	T	1,3-Dichloropr...	0.562	0.618	0.634	0.623	0.609	0.610	0.609	4.06
58)	T	2-Chloroethyl ...	0.227	0.262	0.282	0.287	0.286	0.286	0.272	8.79
59)	T	2-Hexanone	0.379	0.480	0.492	0.472	0.469	0.476	0.461	8.97
60)	T	Dibromochlorom...	0.325	0.368	0.363	0.385	0.391	0.399	0.372	7.16
61)	T	1,2-Dibromoethane	0.409	0.395	0.403	0.394	0.400	0.398	0.400	1.37
62)	S	4-Bromofluorob...	0.543	0.453	0.467	0.483	0.504	0.490		7.21
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.369	0.300	0.355	0.314	0.308	0.305	0.325	9.00
65)	PM	Chlorobenzene	1.052	1.029	1.085	1.011	1.012	1.012	1.033	2.91
66)	T	1,1,1,2-Tetrac...	0.321	0.322	0.364	0.354	0.361	0.372	0.349	6.25
67)	C	Ethyl Benzene	1.776	1.728	1.973	1.874	1.896	1.878	1.854	4.76#
68)	T	m/p-Xylenes	0.623	0.664	0.775	0.706	0.715	0.702	0.698	7.32
69)	T	o-Xylene	0.553	0.615	0.700	0.691	0.702	0.709	0.662	9.60
70)	T	Styrene	0.900	1.010	1.225	1.164	1.190	1.203	1.115	11.70
71)	P	Bromoform	0.217	0.214	0.271	0.283	0.301	0.316	0.267	15.98
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.214	3.614	3.786	3.540	3.663	3.724	3.590	5.66
74)	T	N-amyl acetate	1.207	1.508	1.699	1.688	1.811	1.896	1.635	15.11
75)	P	1,1,2,2-Tetrac...	1.430	1.358	1.353	1.295	1.319	1.345	1.350	3.38
76)	T	1,2,3-Trichlor...	0.965	1.117	1.125	1.031	1.067	1.083	1.065	5.59
77)	T	Bromobenzene	0.775	0.827	0.858	0.809	0.840	0.860	0.828	3.92
78)	T	n-propylbenzene	4.051	4.335	4.659	4.328	4.534	4.603	4.418	5.11
79)	T	2-Chlorotoluene	2.706	2.750	2.710	2.538	2.599	2.657	2.660	2.97
80)	T	1,3,5-Trimethy...	2.802	3.004	3.275	3.077	3.168	3.193	3.086	5.45
81)	T	trans-1,4-Dich...	0.237	0.318	0.341	0.382	0.431	0.342		21.31
82)	T	4-Chlorotoluene	2.735	3.107	3.267	2.977	3.093	3.137	3.053	5.94
83)	T	tert-Butylbenzene	2.688	2.933	3.075	2.900	3.057	3.067	2.953	5.08
84)	T	1,2,4-Trimethy...	2.564	3.070	3.350	3.066	3.178	3.250	3.080	8.93
85)	T	sec-Butylbenzene	3.625	3.868	4.072	3.816	4.011	4.086	3.913	4.56
86)	T	p-Isopropyltol...	2.908	3.114	3.313	3.154	3.297	3.384	3.195	5.43
87)	T	1,3-Dichlorobe...	1.671	1.654	1.721	1.608	1.689	1.682	1.671	2.28
88)	T	1,4-Dichlorobe...	1.724	1.740	1.784	1.627	1.684	1.703	1.710	3.10
89)	T	n-Butylbenzene	2.706	3.026	3.210	3.081	3.251	3.333	3.101	7.21
90)	T	Hexachloroethane	0.343	0.465	0.516	0.522	0.567	0.616	0.505	18.65
91)	T	1,2-Dichlorobe...	1.601	1.651	1.665	1.558	1.609	1.582	1.611	2.53
92)	T	1,2-Dibromo-3-...	0.302	0.303	0.295	0.297	0.309	0.329	0.306	4.02
93)	T	1,2,4-Trichlor...	0.946	0.962	1.024	1.006	1.056	1.048	1.007	4.48
94)	T	Hexachlorobuta...	0.451	0.388	0.369	0.391	0.393	0.388	0.397	7.07
95)	T	Naphthalene	2.947	3.156	3.492	3.522	3.628	3.777	3.420	9.06
96)	T	1,2,3-Trichlor...	1.005	0.940	1.008	0.980	1.018	1.022	0.996	3.13

(#) = Out of Range

Hexachloroethane

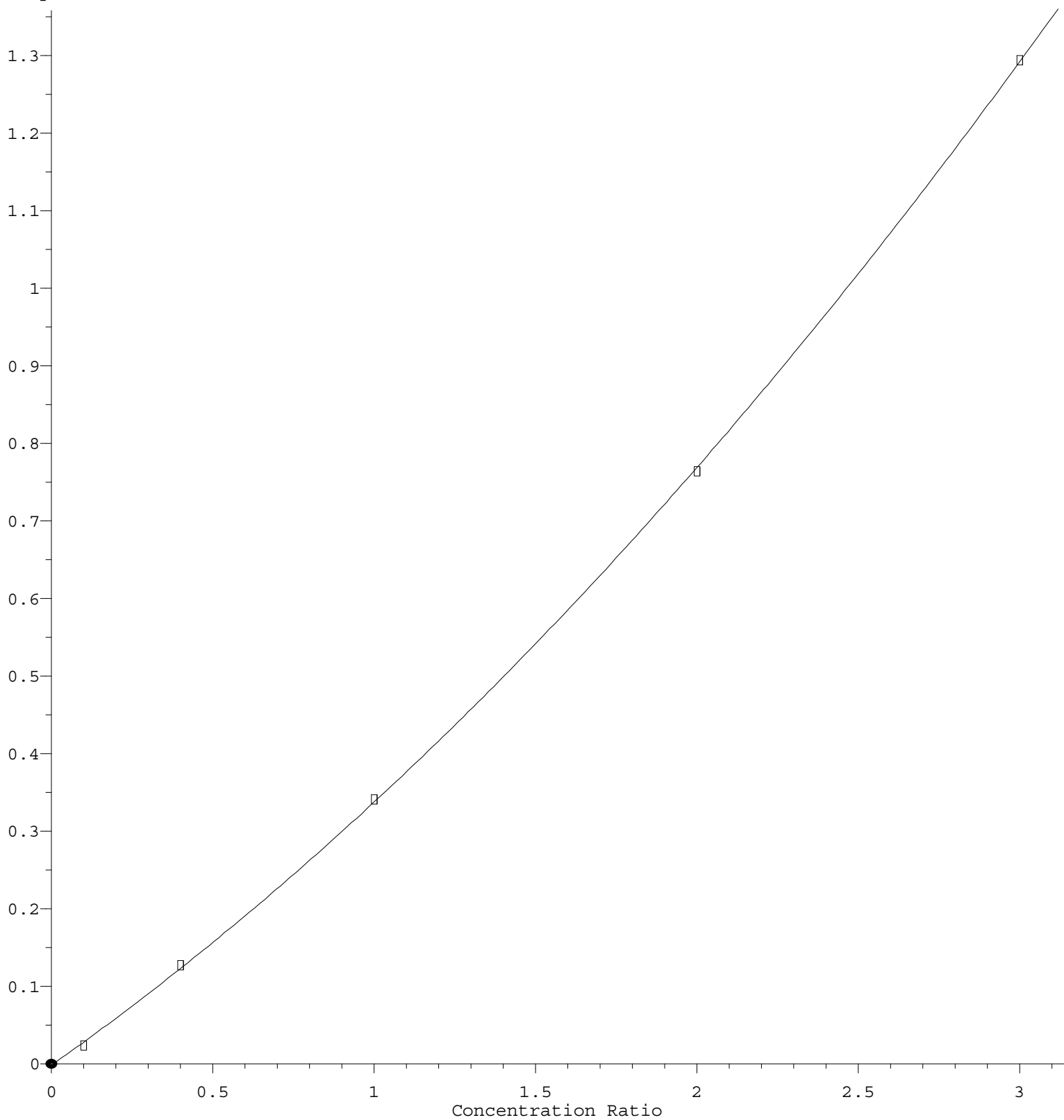
Response Ratio



$R = 4.712e-002 A^2 + 4.739e-001 A + 1.028e-003$
Coef of Det (r^2) = 0.999959 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X013024W.M
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trans-1,4-Dichloro-2-butene

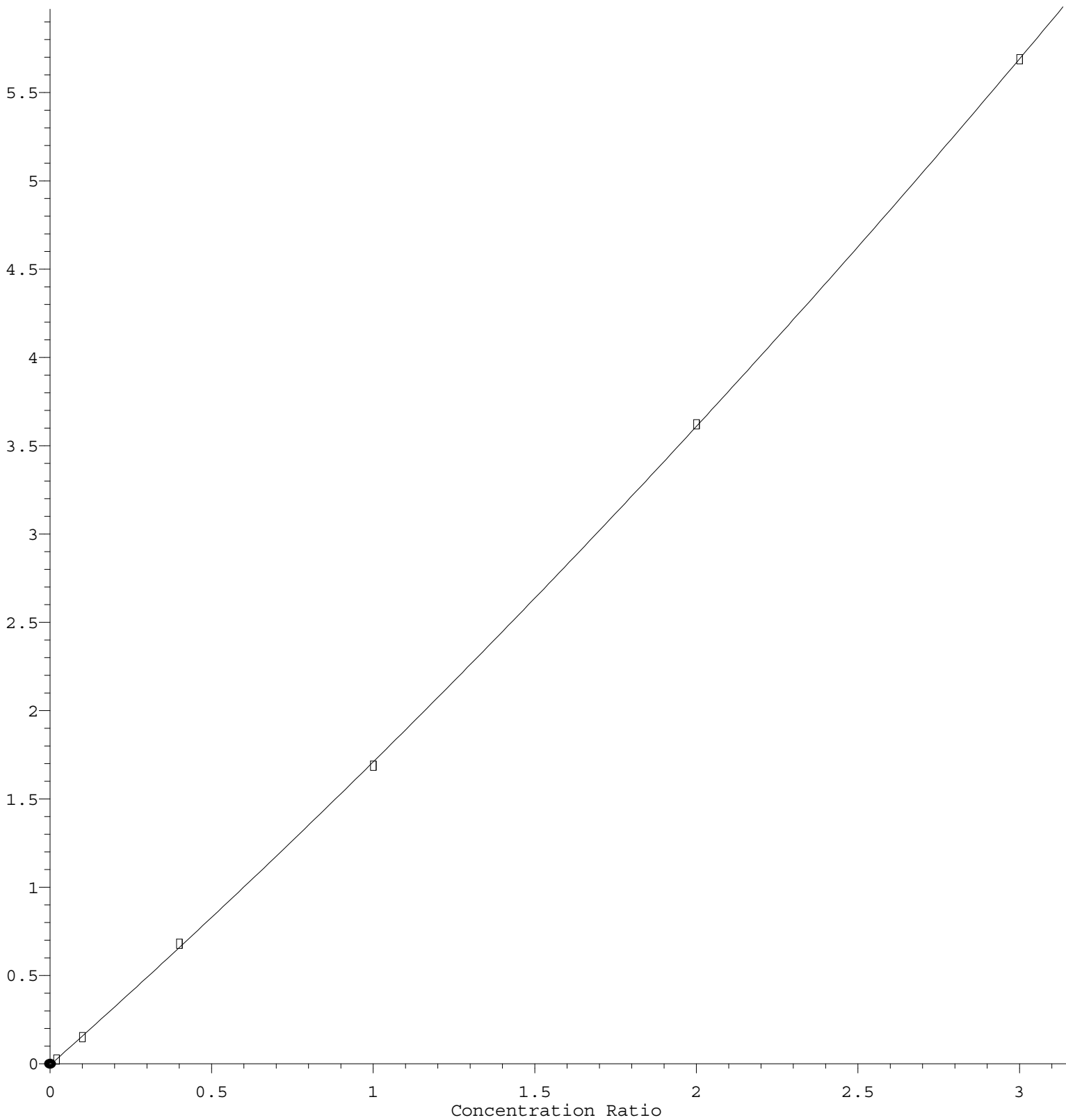
Response Ratio



$R = 4.603e-002 A^2 + 2.932e-001 A - 1.718e-003$
Coef of Det (r^2) = 0.999930 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X013024W.M
Calibration Table Last Updated: Wed Jan 31 07:12:04 2024

N-amyl acetate

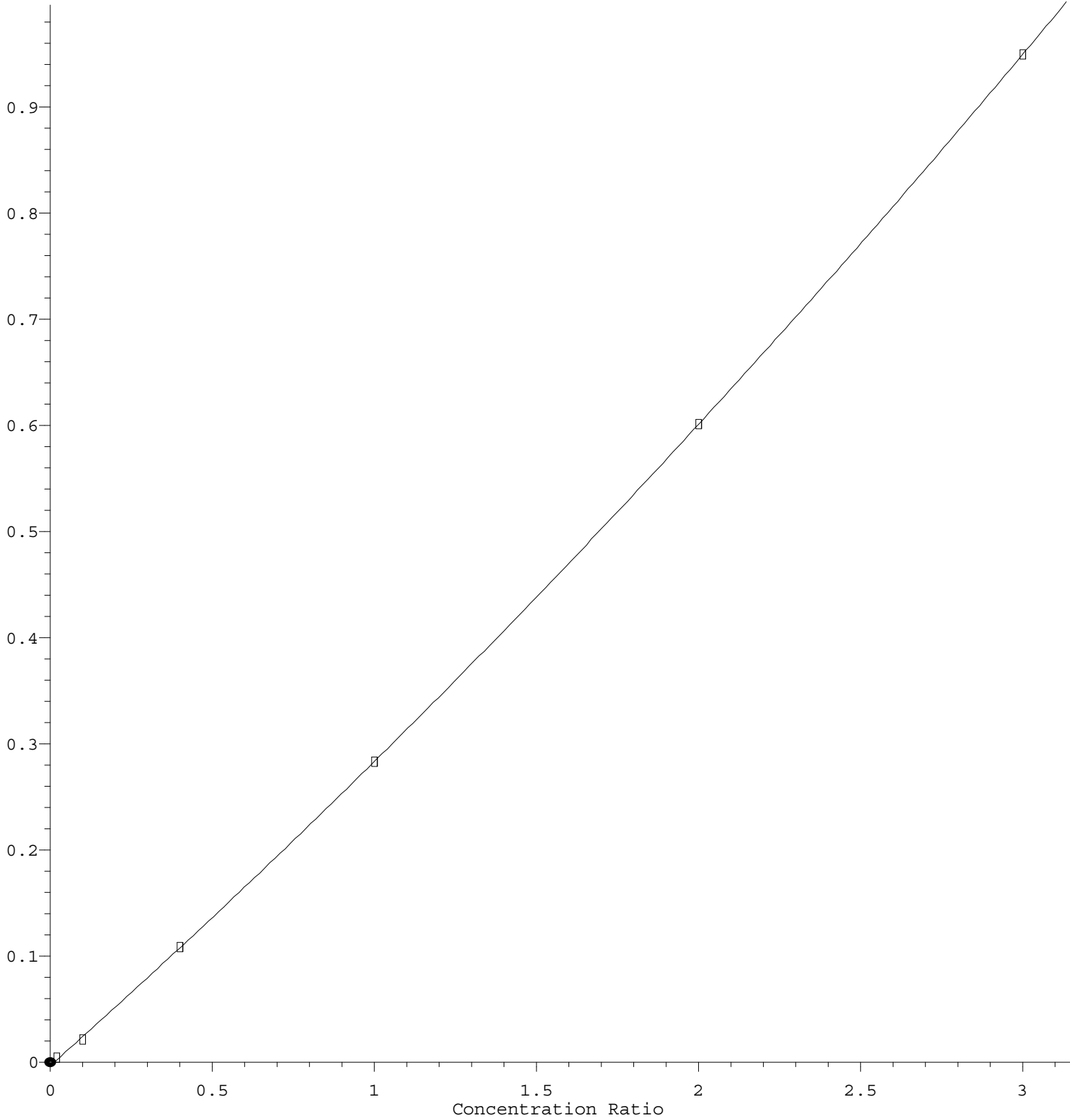
Response Ratio



$R = 9.148e-002 A^2 + 1.625e+000 A - 6.446e-003$
 Coef of Det (r^2) = 0.999955 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X013024W.M
 Calibration Table Last Updated: Wed Jan 31 07:12:04 2024

Response Ratio

Bromoform



R = 1.551e-002 A*A + 2.710e-001 A - 3.160e-003
Coef of Det (r^2) = 0.999983 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X013024W.M
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