

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X090823W.M
 Title : SW846 8260
 Last Update : Sat Sep 09 06:38:11 2023
 Response Via : Initial Calibration

Calibration Files

1 =VX037603.D 5 =VX037604.D 20 =VX037598.D 50 =VX037599.D 100 =VX037600.D 150 =VX037601.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.465	0.495	0.514	0.538	0.492	0.539	0.507	5.70
3) P	Chloromethane	0.607	0.547	0.595	0.566	0.530	0.564	0.568	5.06
4) C	Vinyl Chloride	0.597	0.551	0.594	0.601	0.562	0.606	0.585	3.93#
5) T	Bromomethane		0.259	0.275	0.257	0.252	0.253	0.259	3.53
6) T	Chloroethane	0.355	0.288	0.315	0.316	0.283	0.232	0.298	13.95
7) T	Trichlorofluor...	0.905	0.822	0.848	0.861	0.648	0.688	0.795	12.96
8) T	Diethyl Ether	0.348	0.343	0.377	0.349	0.347	0.356	0.353	3.50
9) T	1,1,2-Trichlor...	0.545	0.544	0.507	0.540	0.510	0.547	0.532	3.45
10) T	Methyl Iodide		0.625	0.735	0.715	0.688	0.686	0.690	6.01
11) T	Tert butyl alc...		0.151	0.157	0.150	0.145	0.152	0.151	2.91
12) CM	1,1-Dichloroet...	0.568	0.515	0.529	0.539	0.517	0.553	0.537	3.86#
13) T	Acrolein		0.135	0.162	0.145	0.148	0.152	0.148	6.55
14) T	Allyl chloride	0.732	0.724	0.798	0.784	0.737	0.743	0.753	4.02
15) T	Acrylonitrile	0.336	0.306	0.354	0.329	0.323	0.327	0.329	4.83
16) T	Acetone	0.345	0.274	0.286	0.259	0.248	0.253	0.278	12.96
17) T	Carbon Disulfide	1.598	1.245	1.241	1.310	1.280	1.395	1.345	10.14
18) T	Methyl Acetate	1.115	1.074	1.220	1.110	1.117	1.119	1.126	4.34
19) T	Methyl tert-bu...	1.843	1.810	2.030	1.911	1.901	1.927	1.904	4.01
20) T	Methylene Chlo...	0.956	0.711	0.702	0.646	0.622	0.637	0.712	17.51
21) T	trans-1,2-Dich...	0.629	0.568	0.605	0.602	0.583	0.611	0.600	3.55
22) T	Diisopropyl ether	1.557	1.524	1.726	1.607	1.568	1.584	1.594	4.42
23) T	Vinyl Acetate	0.990	1.052	1.251	1.183	1.176	1.177	1.138	8.52
24) P	1,1-Dichloroet...	1.046	0.988	1.092	1.034	1.022	1.052	1.039	3.35
25) T	2-Butanone	0.441	0.405	0.447	0.413	0.407	0.413	0.421	4.34
26) T	2,2-Dichloropr...	0.724	0.731	0.788	0.781	0.774	0.797	0.766	4.04
27) T	cis-1,2-Dichlo...	0.702	0.692	0.742	0.712	0.708	0.732	0.715	2.65
28) T	Bromochloromet...	0.442	0.438	0.512	0.451	0.439	0.439	0.454	6.45
29) T	Tetrahydrofuran	0.269	0.253	0.293	0.269	0.265	0.269	0.270	4.76
30) C	Chloroform	1.087	1.055	1.190	1.126	1.101	1.129	1.115	4.13#
31) T	Cyclohexane		0.802	0.807	0.836	0.798	0.864	0.821	3.42
32) T	1,1,1-Trichlor...	0.904	0.888	0.993	0.988	0.961	1.027	0.960	5.65
33) S	1,2-Dichloroet...		0.680	0.718	0.663	0.672	0.642	0.675	4.15
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.351	0.349	0.347	0.353	0.348	0.350	0.68
36) T	1,1-Dichloropr...	0.486	0.465	0.435	0.459	0.444	0.483	0.462	4.44
37) T	Ethyl Acetate	0.509	0.454	0.484	0.464	0.457	0.474	0.474	4.36
38) T	Carbon Tetrach...	0.448	0.447	0.456	0.501	0.482	0.531	0.477	7.02
39) T	Methylcyclohexane	0.543	0.566	0.513	0.582	0.559	0.617	0.563	6.29
40) TM	Benzene	1.372	1.423	1.451	1.425	1.397	1.462	1.422	2.34
41) T	Methacrylonitrile	0.217	0.235	0.251	0.249	0.246	0.249	0.241	5.38
42) TM	1,2-Dichloroet...	0.462	0.476	0.499	0.475	0.465	0.479	0.476	2.75
43) T	Isopropyl Acetate	0.634	0.679	0.737	0.722	0.728	0.756	0.710	6.35
44) TM	Trichloroethene	0.411	0.385	0.382	0.380	0.379	0.407	0.390	3.69
45) C	1,2-Dichloropr...	0.315	0.344	0.363	0.354	0.350	0.363	0.348	5.14#
46) T	Dibromomethane	0.232	0.261	0.271	0.266	0.264	0.274	0.261	5.78
47) T	Bromodichlorom...	0.419	0.442	0.488	0.495	0.498	0.522	0.477	8.16
48) T	Methyl methacr...	0.291	0.321	0.358	0.357	0.349	0.361	0.340	8.22
49) T	1,4-Dioxane	0.010	0.010	0.012	0.011	0.010	0.011	0.011	7.48
50) S	Toluene-d8		1.312	1.283	1.273	1.277	1.269	1.283	1.33
51) T	4-Methyl-2-Pen...	0.429	0.455	0.487	0.467	0.432	0.438	0.451	5.02
52) CM	Toluene	0.885	0.924	0.945	0.933	0.901	0.951	0.923	2.76#
53) T	t-1,3-Dichloro...	0.395	0.440	0.492	0.528	0.542	0.576	0.496	13.63
54) T	cis-1,3-Dichlo...	0.429	0.512	0.563	0.588	0.595	0.621	0.552	12.73
55) T	1,1,2-Trichlor...	0.354	0.383	0.405	0.392	0.380	0.389	0.384	4.47
56) T	Ethyl methacry...	0.459	0.517	0.590	0.598	0.586	0.605	0.559	10.44

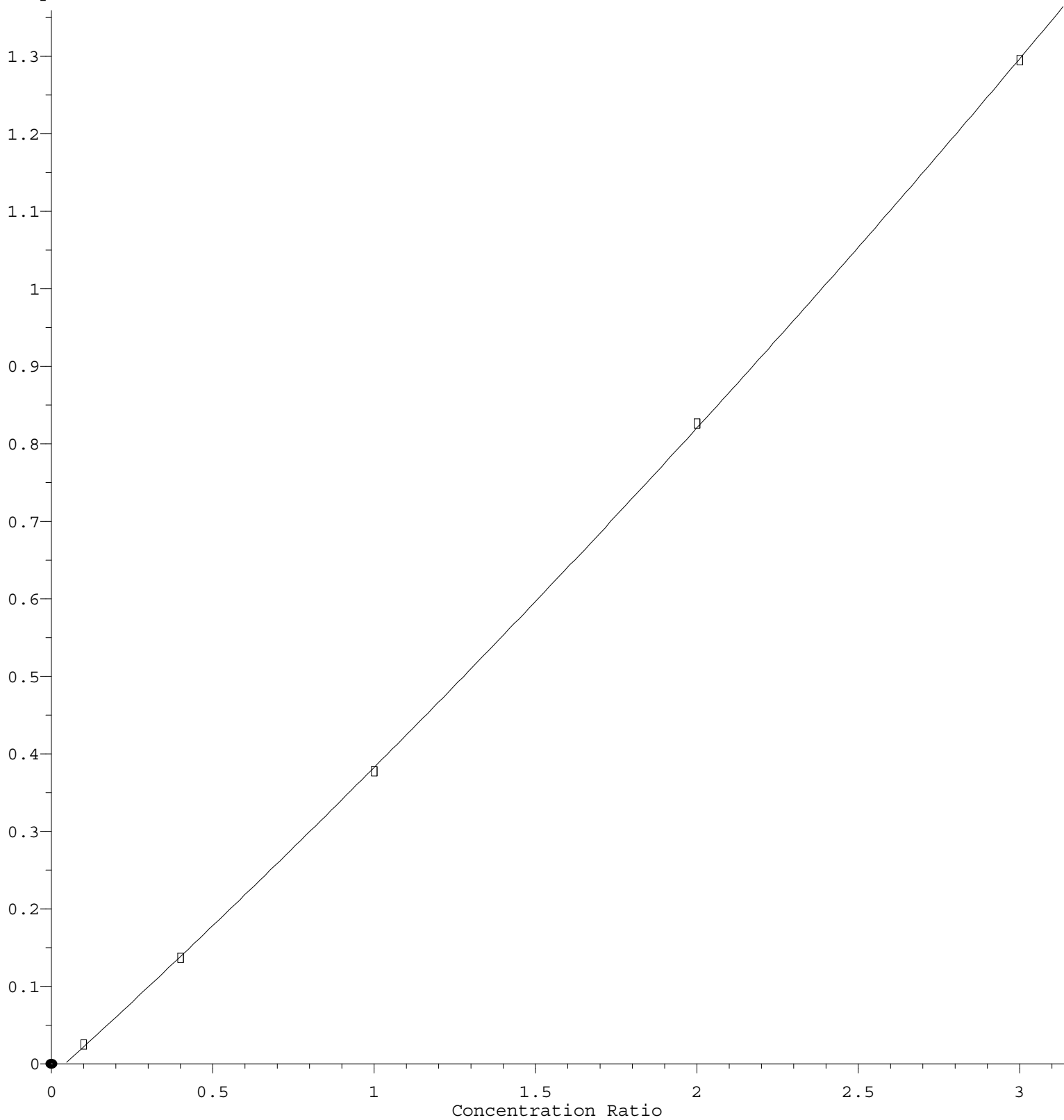
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57)	T	1,3-Dichloropr...	0.643	0.640	0.664	0.635	0.618	0.639	0.640	2.35
58)	T	2-Chloroethyl ...	0.253	0.275	0.301	0.289	0.286	0.294	0.283	6.07
59)	T	2-Hexanone	0.312	0.344	0.375	0.362	0.331	0.340	0.344	6.50
60)	T	Dibromochlorom...	0.301	0.342	0.392	0.410	0.415	0.434	0.382	13.28
61)	T	1,2-Dibromoethane	0.365	0.407	0.432	0.425	0.412	0.425	0.411	5.88
62)	S	4-Bromofluorob...		0.494	0.484	0.490	0.475	0.475	0.483	1.78
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.393	0.340	0.326	0.341	0.333	0.367	0.350	7.24
65)	PM	Chlorobenzene	1.136	1.085	1.091	1.090	1.064	1.126	1.099	2.45
66)	T	1,1,1,2-Tetrac...	0.321	0.364	0.400	0.410	0.408	0.433	0.389	10.32
67)	C	Ethyl Benzene	1.843	1.811	1.850	1.888	1.845	1.968	1.867	2.94#
68)	T	m/p-Xylenes	0.705	0.718	0.744	0.748	0.724	0.768	0.735	3.12
69)	T	o-Xylene	0.706	0.695	0.737	0.749	0.728	0.767	0.730	3.66
70)	T	Styrene	1.035	1.150	1.218	1.243	1.207	1.272	1.187	7.18
71)	P	Bromoform	0.229	0.242	0.290	0.327	0.328	0.361	0.296	17.63
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.900	3.598	3.766	3.715	3.747	3.807	3.756	2.67
74)	T	N-amyl acetate	1.132	1.162	1.382	1.356	1.363	1.373	1.295	8.90
75)	P	1,1,2,2-Tetrac...	1.325	1.250	1.386	1.294	1.287	1.290	1.305	3.53
76)	T	1,2,3-Trichlor...	1.192	1.102	1.219	1.174	1.167	1.169	1.171	3.32
77)	T	Bromobenzene	0.962	0.880	0.958	0.913	0.928	0.937	0.930	3.28
78)	T	n-propylbenzene	4.148	4.055	4.151	4.208	4.186	4.313	4.177	2.03
79)	T	2-Chlorotoluene	2.813	2.568	2.716	2.616	2.590	2.620	2.654	3.50
80)	T	1,3,5-Trimethy...	3.121	3.077	3.247	3.235	3.191	3.242	3.186	2.23
81)	T	trans-1,4-Dich...		0.250	0.342	0.377	0.413	0.432	0.363	19.85
82)	T	4-Chlorotoluene	3.142	2.900	3.044	2.956	2.935	2.977	2.992	2.93
83)	T	tert-Butylbenzene	3.208	2.960	3.274	3.266	3.238	3.325	3.212	4.03
84)	T	1,2,4-Trimethy...	3.042	3.057	3.278	3.246	3.229	3.257	3.185	3.34
85)	T	sec-Butylbenzene	3.730	3.840	3.845	3.958	3.843	4.015	3.872	2.60
86)	T	p-Isopropyltol...	3.020	3.254	3.266	3.392	3.300	3.442	3.279	4.47
87)	T	1,3-Dichlorobe...	1.925	1.741	1.751	1.721	1.717	1.758	1.769	4.42
88)	T	1,4-Dichlorobe...	2.031	1.796	1.765	1.707	1.717	1.780	1.799	6.59
89)	T	n-Butylbenzene	2.463	2.659	2.533	2.779	2.776	2.953	2.694	6.67
90)	T	Hexachloroethane	0.474	0.481	0.544	0.593	0.607	0.643	0.557	12.42
91)	T	1,2-Dichlorobe...	1.846	1.708	1.796	1.731	1.717	1.773	1.762	3.03
92)	T	1,2-Dibromo-3-...	0.236	0.233	0.293	0.281	0.302	0.322	0.278	13.02
93)	T	1,2,4-Trichlor...	1.052	1.008	1.010	1.030	1.106	1.187	1.066	6.52
94)	T	Hexachlorobuta...	0.463	0.480	0.431	0.471	0.459	0.517	0.470	6.02
95)	T	Naphthalene	3.253	3.294	3.799	3.787	4.028	4.175	3.723	10.14
96)	T	1,2,3-Trichlor...	1.123	1.034	1.063	1.062	1.122	1.201	1.101	5.52

(#) = Out of Range

trans-1,4-Dichloro-2-butene

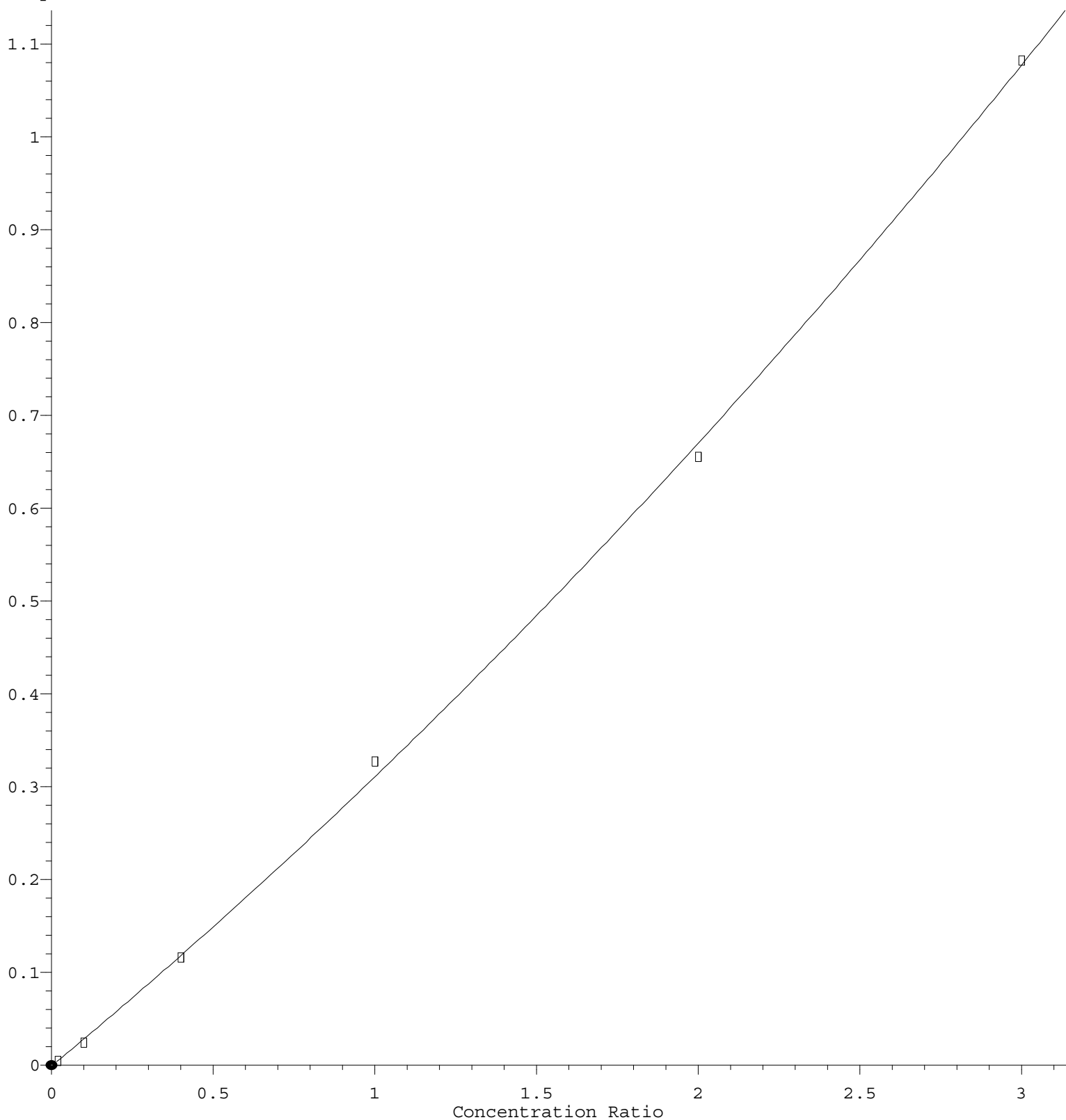
Response Ratio



$R = 1.939e-002 A^2 + 3.797e-001 A - 1.646e-002$
Coef of Det (r^2) = 0.999929 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X090823W.M
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Bromoform

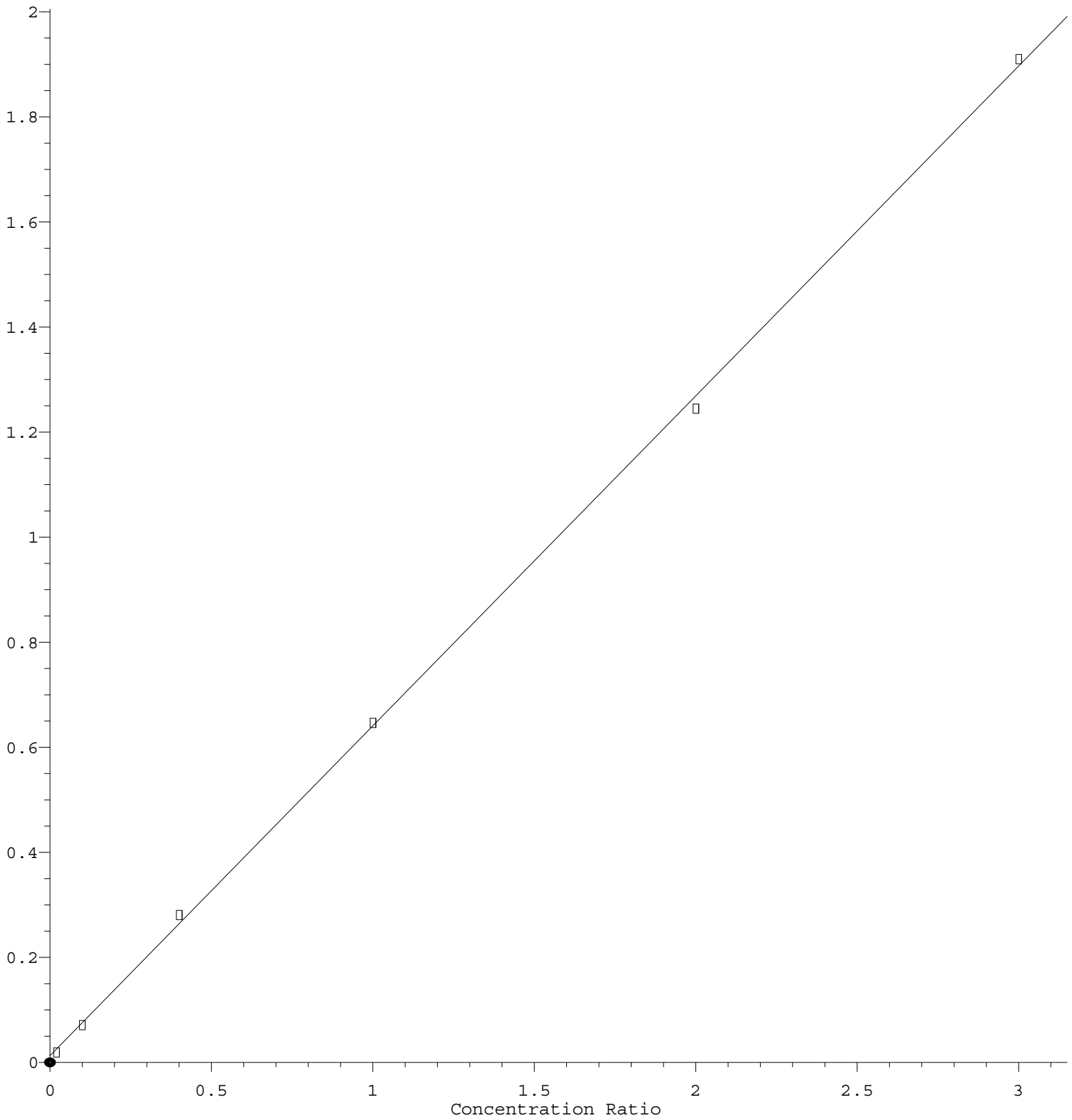
Response Ratio



$R = 2.396e-002 A^2 + 2.875e-001 A - 7.971e-004$
 Coef of Det (r^2) = 0.999414 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X090823W.M
 Calibration Table Last Updated: Sat Sep 09 06:38:11 2023

Methylene Chloride

Response Ratio



Response = 6.282e-001 * Amt + 1.254e-002
 Coef of Det (r^2) = 0.999596 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X090823W.M
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