

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X020924W.M
 Title : SW846 8260
 Last Update : Mon Feb 12 00:21:14 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX040176.D 5 =VX040177.D 20 =VX040178.D 50 =VX040179.D 100 =VX040180.D 150 =VX040181.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.563	0.571	0.541	0.596	0.580	0.538	0.565	3.99
3) P	Chloromethane	0.657	0.593	0.590	0.563	0.574	0.517	0.582	7.87
4) C	Vinyl Chloride	0.586	0.658	0.649	0.632	0.616	0.552	0.615	6.54#
5) T	Bromomethane		0.396	0.356	0.392	0.313	0.278	0.347	14.74
6) T	Chloroethane	0.488	0.375	0.396	0.382	0.355	0.332	0.388	13.90
7) T	Trichlorofluor...	0.998	1.030	1.011	0.988	1.004	0.900	0.988	4.63
8) T	Diethyl Ether	0.429	0.391	0.375	0.353	0.359	0.321	0.371	9.87
9) T	1,1,2-Trichlor...	0.540	0.561	0.546	0.528	0.529	0.476	0.530	5.46
10) T	Methyl Iodide		0.525	0.590	0.618	0.641	0.570	0.589	7.61
11) T	Tert butyl alc...		0.155	0.145	0.143	0.148	0.134	0.145	5.20
12) CM	1,1-Dichloroet...	0.521	0.516	0.533	0.502	0.517	0.472	0.510	4.14#
13) T	Acrolein	0.161	0.152	0.118	0.125	0.128	0.119	0.134	13.66
14) T	Allyl chloride	0.944	0.905	0.894	0.870	0.894	0.809	0.886	5.08
15) T	Acrylonitrile	0.304	0.338	0.340	0.329	0.331	0.302	0.324	5.18
16) T	Acetone	0.342	0.318	0.317	0.297	0.294	0.266	0.306	8.57
17) T	Carbon Disulfide	1.621	1.317	1.343	1.269	1.321	1.216	1.348	10.48
18) T	Methyl Acetate	0.793	0.861	0.870	0.815	0.832	0.742	0.819	5.75
19) T	Methyl tert-bu...	1.587	1.865	1.875	1.840	1.891	1.733	1.798	6.57
20) T	Methylene Chlo...	0.808	0.625	0.591	0.580	0.597	0.545	0.624	15.02
21) T	trans-1,2-Dich...	0.701	0.576	0.582	0.550	0.565	0.515	0.581	10.90
22) T	Diisopropyl ether	1.595	1.802	1.870	1.833	1.917	1.763	1.797	6.24
23) T	Vinyl Acetate	1.423	1.505	1.668	1.647	1.748	1.619	1.602	7.35
24) P	1,1-Dichloroet...	1.059	1.094	1.056	1.035	1.061	0.975	1.047	3.80
25) T	2-Butanone	0.489	0.479	0.490	0.478	0.484	0.446	0.478	3.37
26) T	2,2-Dichloropr...	0.696	0.816	0.797	0.817	0.884	0.823	0.806	7.59
27) T	cis-1,2-Dichlo...	0.672	0.677	0.682	0.649	0.677	0.623	0.663	3.45
28) T	Bromochloromet...	0.382	0.495	0.441	0.460	0.449	0.438	0.444	8.27
29) T	Tetrahydrofuran	0.306	0.311	0.323	0.311	0.319	0.297	0.311	2.88
30) C	Chloroform	1.167	1.082	1.150	1.123	1.184	1.082	1.132	3.82#
31) T	Cyclohexane		0.950	0.922	0.861	0.886	0.817	0.887	5.84
32) T	1,1,1-Trichlor...	0.950	0.882	0.941	0.961	1.027	0.950	0.952	4.88
33) S	1,2-Dichloroet...		0.910	0.638	0.721	0.737	0.714	0.744	13.51
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.413	0.303	0.342	0.352	0.336	0.349	11.50
36) T	1,1-Dichloropr...	0.493	0.506	0.485	0.488	0.503	0.460	0.489	3.32
37) T	Ethyl Acetate	0.558	0.546	0.546	0.535	0.559	0.521	0.544	2.65
38) T	Carbon Tetrach...	0.435	0.450	0.454	0.473	0.504	0.473	0.465	5.18
39) T	Methylcyclohexane	0.562	0.587	0.575	0.573	0.574	0.539	0.568	2.93
40) TM	Benzene	1.336	1.354	1.393	1.396	1.427	1.302	1.368	3.33
41) T	Methacrylonitrile	0.251	0.274	0.296	0.294	0.318	0.298	0.289	8.04
42) TM	1,2-Dichloroet...	0.488	0.518	0.545	0.561	0.568	0.529	0.535	5.57
43) T	Isopropyl Acetate	0.786	0.797	0.854	0.873	0.920	0.867	0.850	5.93
44) TM	Trichloroethene	0.372	0.385	0.389	0.378	0.385	0.354	0.377	3.40
45) C	1,2-Dichloropr...	0.338	0.330	0.384	0.368	0.375	0.342	0.356	6.24#
46) T	Dibromomethane	0.238	0.248	0.267	0.278	0.279	0.262	0.262	6.35
47) T	Bromodichlorom...	0.455	0.470	0.509	0.524	0.554	0.519	0.505	7.26
48) T	Methyl methacr...	0.355	0.422	0.458	0.457	0.471	0.445	0.435	9.70
49) T	1,4-Dioxane	0.010	0.009	0.010	0.009	0.010	0.009	0.009	4.13
50) S	Toluene-d8		1.526	1.153	1.296	1.302	1.254	1.306	10.44
51) T	4-Methyl-2-Pen...	0.515	0.555	0.599	0.607	0.625	0.579	0.580	6.90
52) CM	Toluene	0.891	0.864	0.897	0.929	0.925	0.870	0.896	3.04#
53) T	t-1,3-Dichloro...	0.424	0.443	0.513	0.571	0.624	0.594	0.528	15.50
54) T	cis-1,3-Dichlo...	0.466	0.520	0.571	0.601	0.639	0.600	0.566	11.13
55) T	1,1,2-Trichlor...	0.371	0.374	0.381	0.382	0.406	0.379	0.382	3.23
56) T	Ethyl methacry...	0.457	0.527	0.564	0.619	0.651	0.614	0.572	12.52

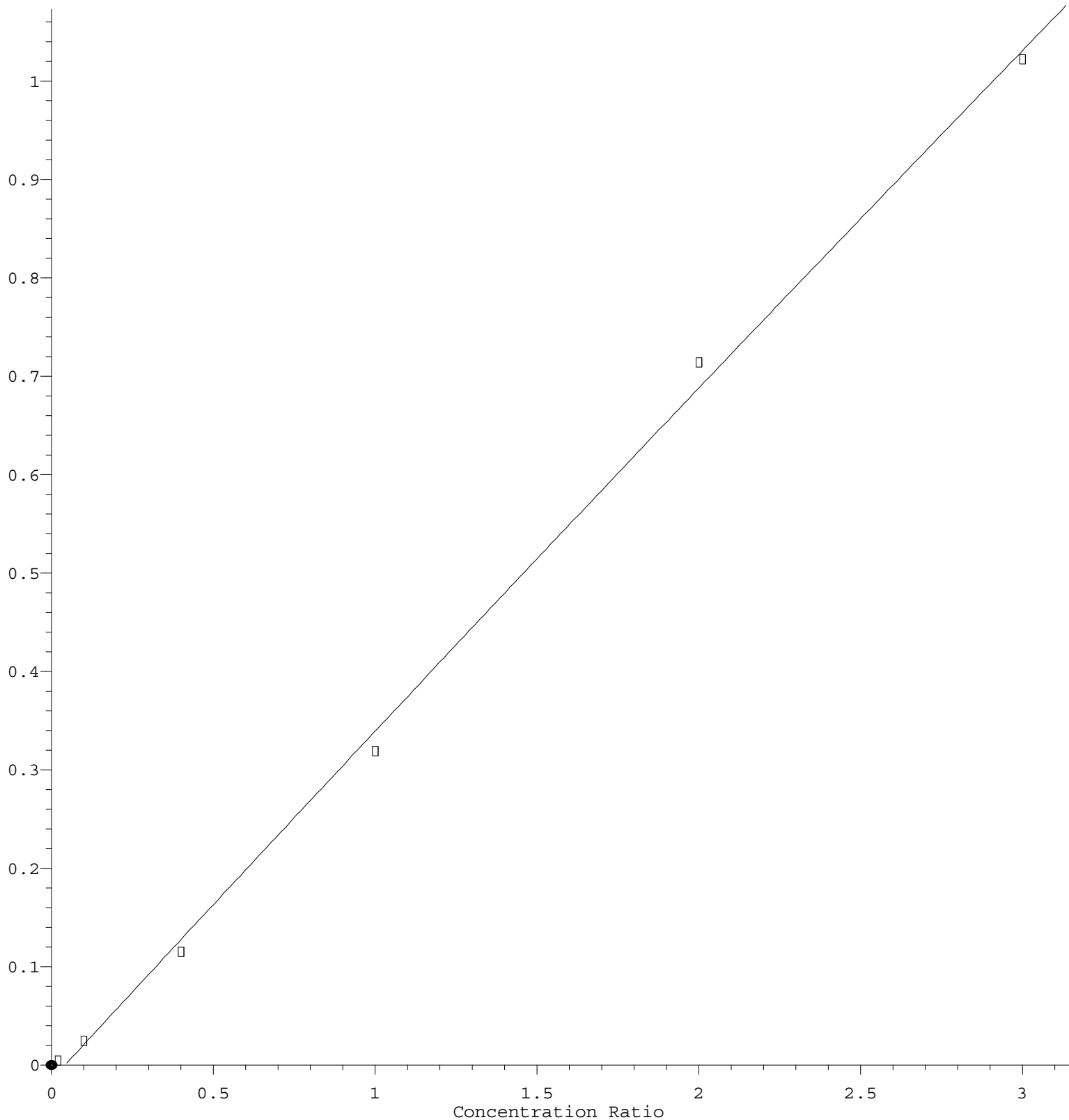
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
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57)	T	1,3-Dichloropr...	0.578	0.619	0.632	0.642	0.660	0.612	0.624	4.51
58)	T	2-Chloroethyl ...	0.223	0.279	0.270	0.285	0.293	0.272	0.271	9.11
59)	T	2-Hexanone	0.383	0.441	0.480	0.488	0.506	0.463	0.460	9.53
60)	T	Dibromochlorom...	0.304	0.356	0.386	0.417	0.445	0.426	0.389	13.40
61)	T	1,2-Dibromoethane	0.354	0.398	0.413	0.421	0.439	0.412	0.406	7.15
62)	S	4-Bromofluorob...	0.571	0.462	0.531	0.558	0.542	0.533		7.98
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.410	0.355	0.356	0.332	0.343	0.307	0.350	9.87
65)	PM	Chlorobenzene	1.098	1.047	1.067	1.023	1.056	0.970	1.044	4.18
66)	T	1,1,1,2-Tetrac...	0.293	0.356	0.375	0.376	0.399	0.370	0.361	10.05
67)	C	Ethyl Benzene	1.748	1.849	1.933	1.911	1.945	1.765	1.859	4.62#
68)	T	m/p-Xylenes	0.658	0.707	0.735	0.716	0.731	0.666	0.702	4.68
69)	T	o-Xylene	0.599	0.677	0.713	0.709	0.727	0.669	0.682	6.79
70)	T	Styrene	0.916	1.079	1.201	1.185	1.249	1.173	1.134	10.62
71)	P	Bromoform	0.228	0.246	0.288	0.319	0.357	0.341	0.296	17.51
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.471	3.554	3.741	3.474	3.497	3.392	3.522	3.39
74)	T	N-amyl acetate	1.138	1.342	1.629	1.587	1.723	1.639	1.510	14.77
75)	P	1,1,2,2-Tetrac...	1.288	1.235	1.342	1.247	1.280	1.200	1.265	3.90
76)	T	1,2,3-Trichlor...	0.924	0.982	1.131	1.033	1.041	0.963	1.013	7.18
77)	T	Bromobenzene	0.772	0.829	0.884	0.822	0.855	0.829	0.832	4.50
78)	T	n-propylbenzene	4.272	4.218	4.517	4.274	4.252	4.049	4.264	3.52
79)	T	2-Chlorotoluene	2.621	2.617	2.704	2.538	2.531	2.437	2.575	3.60
80)	T	1,3,5-Trimethy...	2.608	2.983	3.190	3.065	3.035	2.908	2.965	6.68
81)	T	trans-1,4-Dich...	0.223	0.321	0.335	0.383	0.378	0.328		19.64
82)	T	4-Chlorotoluene	3.191	3.033	3.176	2.995	3.012	2.897	3.050	3.70
83)	T	tert-Butylbenzene	2.790	2.879	3.032	2.896	2.984	2.859	2.907	3.02
84)	T	1,2,4-Trimethy...	2.815	2.997	3.194	3.017	3.049	2.924	3.000	4.23
85)	T	sec-Butylbenzene	3.653	3.701	3.941	3.747	3.754	3.617	3.736	3.04
86)	T	p-Isopropyltol...	2.949	2.905	3.248	3.128	3.133	3.010	3.062	4.24
87)	T	1,3-Dichlorobe...	1.561	1.666	1.747	1.644	1.675	1.595	1.648	3.95
88)	T	1,4-Dichlorobe...	1.939	1.772	1.805	1.671	1.697	1.587	1.745	7.01
89)	T	n-Butylbenzene	2.909	2.858	3.099	2.978	3.011	2.880	2.956	3.08
90)	T	Hexachloroethane	0.382	0.417	0.490	0.506	0.555	0.549	0.483	14.54
91)	T	1,2-Dichlorobe...	1.616	1.603	1.689	1.576	1.607	1.481	1.595	4.23
92)	T	1,2-Dibromo-3-...	0.259	0.263	0.303	0.305	0.318	0.304	0.292	8.43
93)	T	1,2,4-Trichlor...	1.198	1.085	1.116	1.061	1.063	1.031	1.092	5.39
94)	T	Hexachlorobuta...	0.523	0.448	0.420	0.408	0.421	0.396	0.436	10.54
95)	T	Naphthalene	3.468	3.205	3.609	3.486	3.545	3.386	3.450	4.10
96)	T	1,2,3-Trichlor...	1.040	1.029	1.096	1.034	1.042	1.005	1.041	2.90

(#) = Out of Range

Bromoform

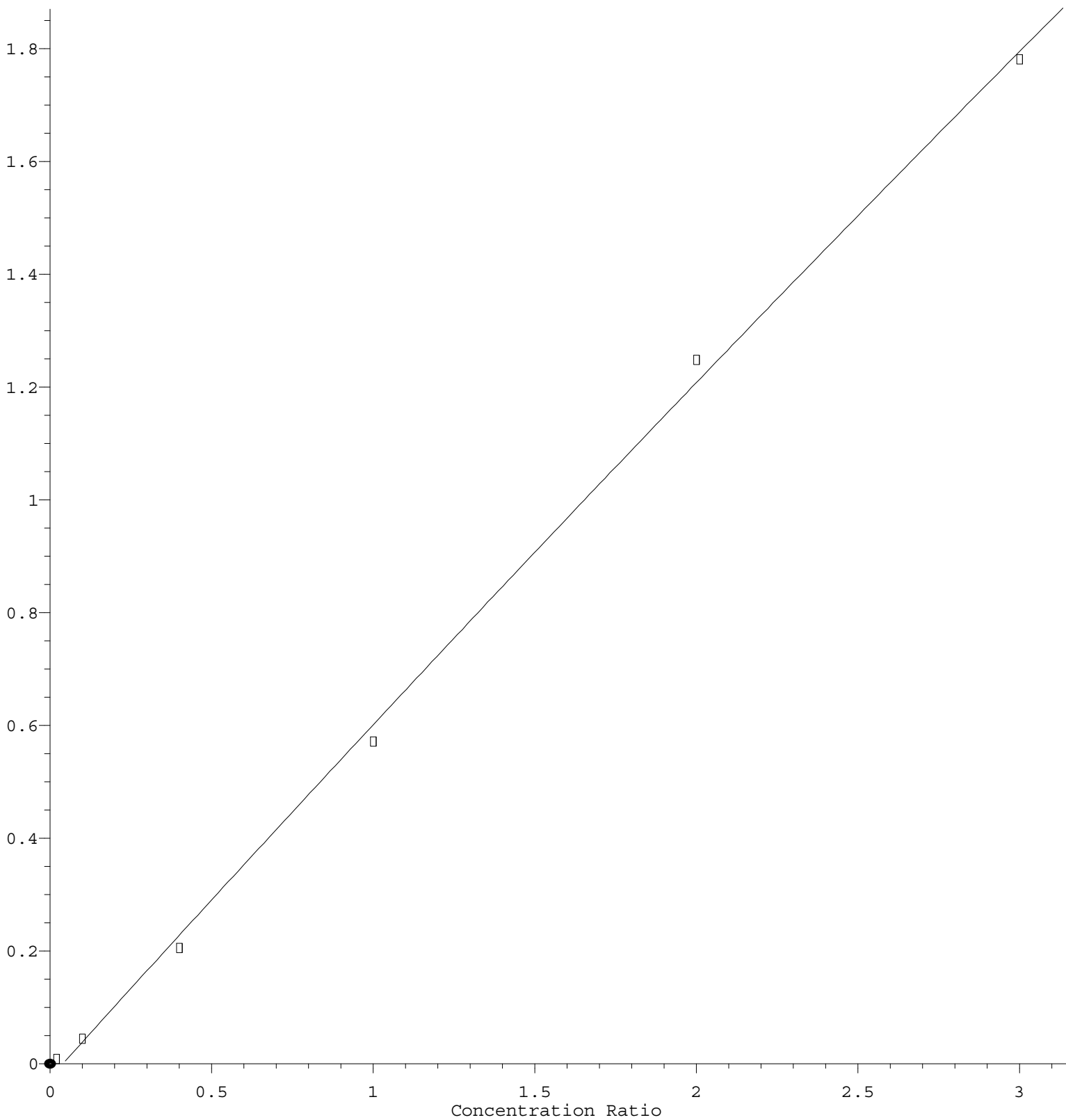
Response Ratio



$R = -2.807e-003 A^2 + 3.570e-001 A - 1.480e-002$
 Coef of Det (r^2) = 0.998277 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X020924W.M
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t-1,3-Dichloropropene

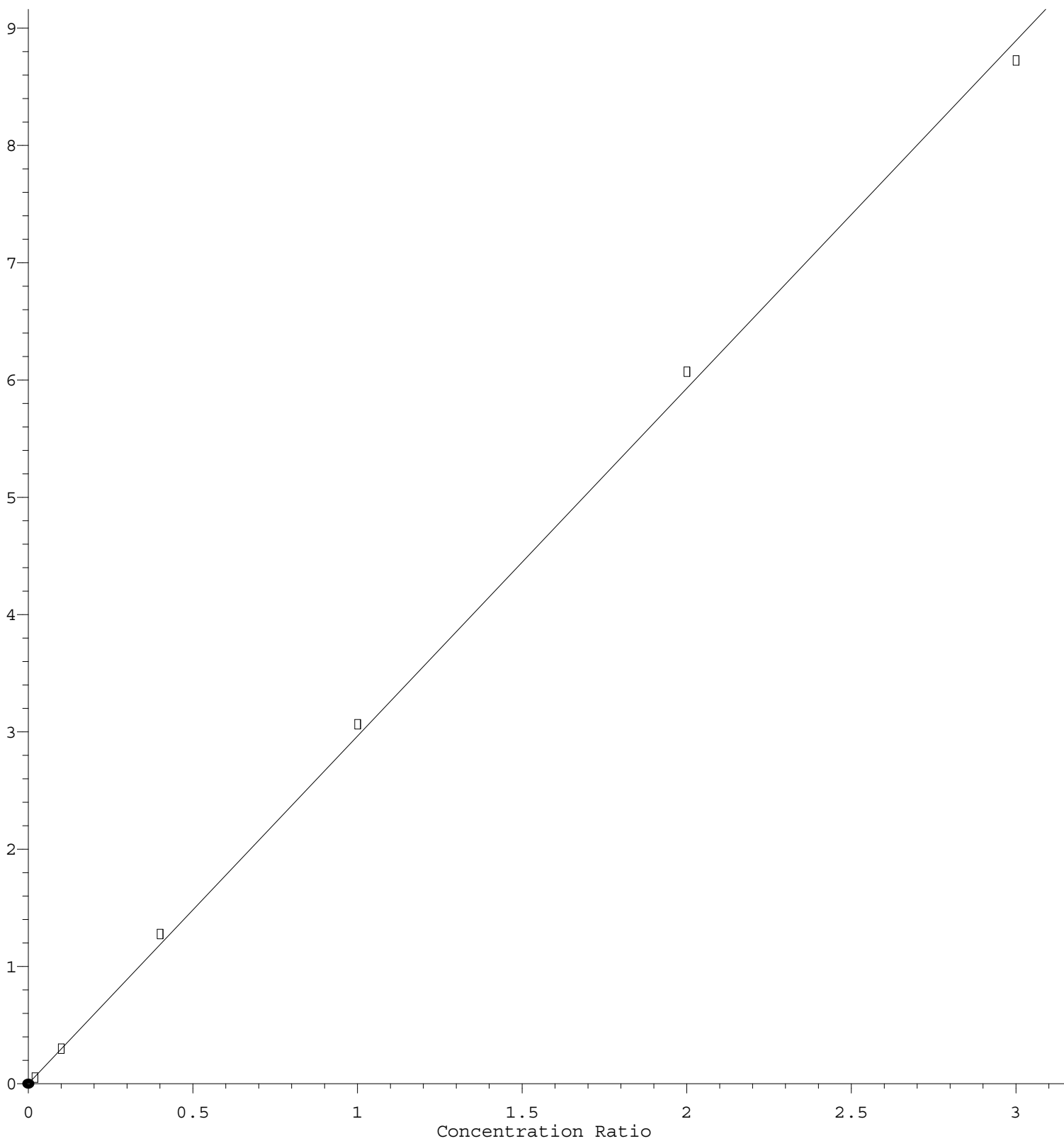
Response Ratio



$R = -9.721e-003 A^2 + 6.358e-001 A - 2.490e-002$
 Coef of Det (r^2) = 0.998595 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X020924W.M
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1,3,5-Trimethylbenzene

Response Ratio



$$\text{Response} = 2.965\text{e}+000 * \text{Amt}$$

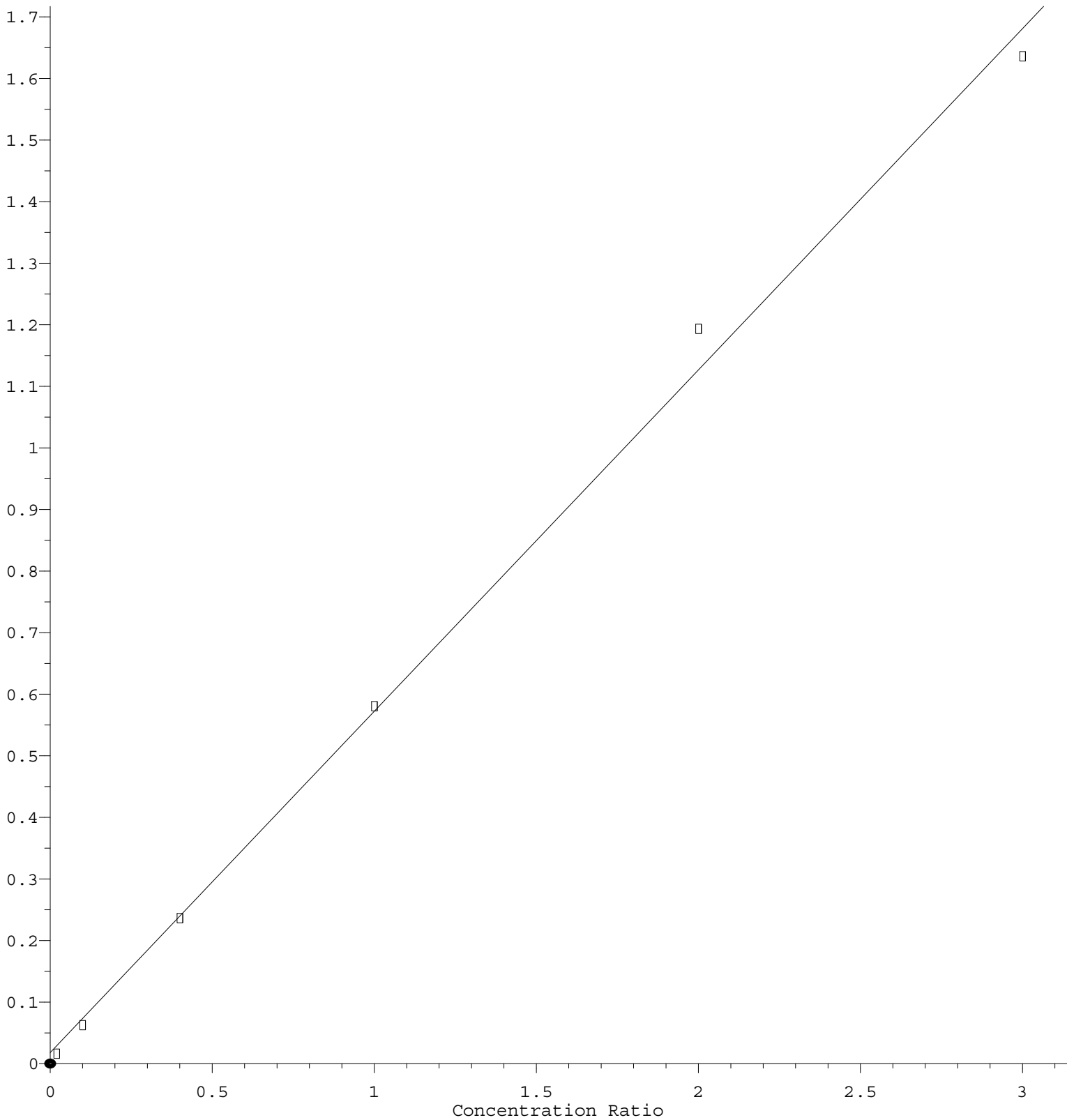
RF Rel Std Dev = 6.680% Curve Fit: Avg RF

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Methylene Chloride

Response Ratio



$$\text{Response} = 5.545\text{e-}001 * \text{Amt} + 1.826\text{e-}002$$

Coef of Det (r^2) = 0.996867 Curve Fit: Linear

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