

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N042423W.M
 Title : SW846 8260
 Last Update : Tue Apr 25 02:50:59 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN077433.D 10 =VN077434.D 20 =VN077435.D 50 =VN077436.D 75.0=VN077437.D 1 =VN077432.D

	Compound	5	10	20	50	75.0	1	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.487	0.718	0.624	0.626	0.645	0.489	0.598	15.37
3) P	Chloromethane	0.502	0.545	0.485	0.475	0.478	0.521	0.501	5.54
4) C	Vinyl Chloride	0.635	0.770	0.660	0.653	0.662	0.626	0.668	7.80#
5) T	Bromomethane	0.600	0.663	0.542	0.540	0.547		0.578	9.22
6) T	Chloroethane	0.495	0.545	0.474	0.462	0.467	0.600	0.507	10.80
7) T	Trichlorofluor...	0.917	1.110	0.978	0.957	0.980	0.946	0.981	6.83
8) T	Diethyl Ether	0.358	0.389	0.353	0.339	0.351	0.350	0.357	4.82
9) T	1,1,2-Trichlor...	0.554	0.631	0.544	0.544	0.557	0.594	0.571	6.12
10) T	Methyl Iodide	0.650	0.728	0.683	0.714	0.731		0.701	4.89
11) T	Tert butyl alc...	0.114	0.113	0.101	0.098	0.098		0.105	7.46
12) CM	1,1-Dichloroet...	0.552	0.611	0.534	0.525	0.541	0.586	0.558	5.97#
13) T	Acrolein	0.116	0.112	0.100	0.095	0.099		0.104	8.61
14) T	Allyl chloride	0.622	0.656	0.629	0.638	0.593	0.584	0.620	4.40
15) T	Acrylonitrile	0.235	0.255	0.232	0.230	0.237	0.236	0.238	3.86
16) T	Acetone	0.212	0.217	0.186	0.186	0.187	0.257	0.208	13.40
17) T	Carbon Disulfide	1.352	1.535	1.347	1.358	1.399	1.516	1.418	6.02
18) T	Methyl Acetate	0.810	0.868	0.772	0.752	0.775	0.833	0.802	5.46
19) T	Methyl tert-bu...	1.810	2.019	1.820	1.784	1.882	1.820	1.856	4.65
20) T	Methylene Chlo...	0.660	0.679	0.598	0.619	0.622	0.772	0.658	9.57
21) T	trans-1,2-Dich...	0.605	0.642	0.565	0.571	0.593	0.643	0.603	5.59
22) T	Diisopropyl ether	1.431	1.552	1.392	1.380	1.417	1.371	1.424	4.68
23) T	Vinyl Acetate	0.933	0.978	0.859	0.881	0.883	0.801	0.889	6.87
24) P	1,1-Dichloroet...	1.024	1.109	0.962	0.988	0.995	0.968	1.008	5.41
25) T	2-Butanone	0.308	0.324	0.283	0.278	0.279	0.295	0.294	6.23
26) T	2,2-Dichloropr...	0.956	1.054	0.932	0.958	0.967	0.996	0.977	4.39
27) T	cis-1,2-Dichlo...	0.678	0.764	0.688	0.684	0.703	0.772	0.715	5.88
28) T	Bromochloromet...	0.400	0.343	0.398	0.413	0.360	0.395	0.385	7.04
29) T	Tetrahydrofuran	0.188	0.209	0.183	0.176	0.181	0.170	0.184	7.29
30) C	Chloroform	1.129	1.275	1.110	1.098	1.132	1.070	1.136	6.34#
31) T	Cyclohexane	1.030	1.017	0.868	0.849	0.858		0.924	9.84
32) T	1,1,1-Trichlor...	1.038	1.135	1.037	1.052	1.064	0.938	1.044	6.07
33) S	1,2-Dichloroet...	0.689	0.673	0.649	0.637	0.614		0.652	4.50
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.316	0.309	0.297	0.292	0.288		0.301	3.96
36) T	1,1-Dichloropr...	0.425	0.464	0.431	0.435	0.449	0.401	0.434	4.92
37) T	Ethyl Acetate	0.321	0.342	0.300	0.314	0.321	0.382	0.330	8.72
38) T	Carbon Tetrach...	0.459	0.513	0.467	0.481	0.497	0.457	0.479	4.68
39) T	Methylcyclohexane	0.524	0.603	0.554	0.582	0.598	0.571	0.572	5.16
40) TM	Benzene	1.328	1.428	1.270	1.308	1.339	1.264	1.323	4.52
41) T	Methacrylonitrile	0.176	0.183	0.167	0.169	0.165	0.170	0.172	4.03
42) TM	1,2-Dichloroet...	0.461	0.487	0.430	0.444	0.451	0.452	0.454	4.21
43) T	Isopropyl Acetate	0.590	0.631	0.548	0.567	0.572	0.516	0.571	6.81
44) TM	Trichloroethene	0.348	0.363	0.327	0.336	0.356	0.302	0.339	6.56
45) C	1,2-Dichloropr...	0.308	0.353	0.294	0.306	0.313	0.284	0.310	7.61#
46) T	Dibromomethane	0.248	0.272	0.235	0.243	0.247	0.264	0.251	5.55
47) T	Bromodichlorom...	0.472	0.531	0.467	0.486	0.502	0.460	0.486	5.44
48) T	Methyl methacr...	0.247	0.265	0.249	0.252	0.256	0.290	0.260	6.22
49) T	1,4-Dioxane	0.007	0.007	0.006	0.006	0.006	0.007	0.007	7.90
50) S	Toluene-d8	1.136	1.154	1.162	1.167	1.140		1.152	1.16
51) T	4-Methyl-2-Pen...	0.345	0.365	0.324	0.323	0.330	0.322	0.335	5.15
52) CM	Toluene	0.832	0.927	0.869	0.888	0.901	0.782	0.866	6.04#
53) T	t-1,3-Dichloro...	0.474	0.510	0.478	0.516	0.541	0.435	0.492	7.68
54) T	cis-1,3-Dichlo...	0.538	0.581	0.521	0.555	0.572	0.449	0.536	8.98
55) T	1,1,2-Trichlor...	0.347	0.371	0.331	0.345	0.351	0.345	0.348	3.76
56) T	Ethyl methacry...	0.484	0.538	0.478	0.492	0.517	0.420	0.488	8.27

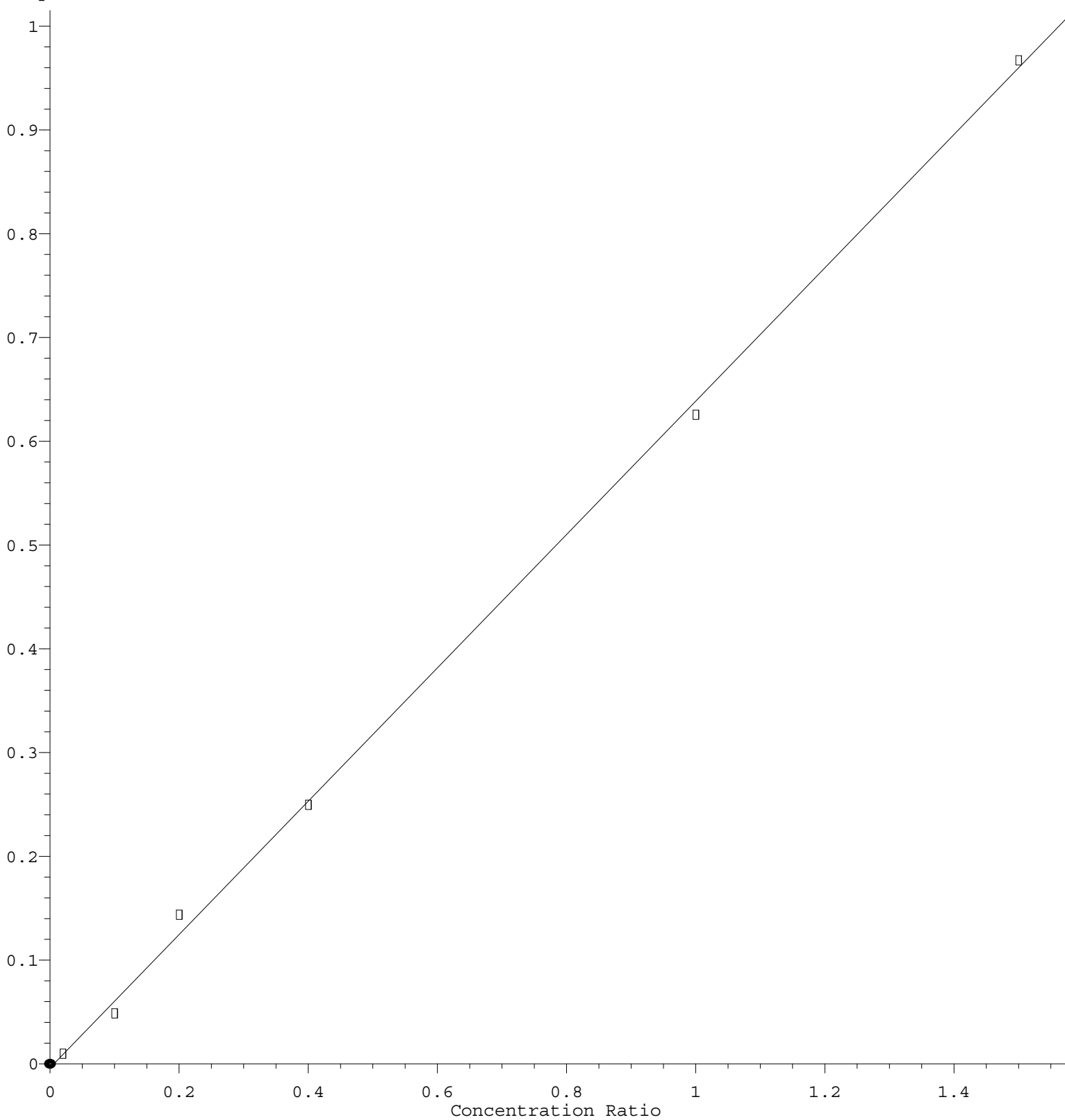
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
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57)	T	1,3-Dichloropr...	0.574	0.598	0.543	0.560	0.573	0.482	0.555	7.26
58)	T	2-Chloroethyl ...	0.149	0.179	0.149	0.180	0.189	0.145	0.165	11.87
59)	T	2-Hexanone	0.245	0.264	0.233	0.235	0.241	0.242	0.243	4.49
60)	T	Dibromochlorom...	0.354	0.379	0.347	0.374	0.389	0.328	0.362	6.34
61)	T	1,2-Dibromoethane	0.355	0.372	0.331	0.352	0.364	0.360	0.356	3.96
62)	S	4-Bromofluorob...	0.345	0.366	0.379	0.393	0.401		0.377	5.91
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.290	0.320	0.284	0.294	0.297	0.310	0.299	4.50
65)	PM	Chlorobenzene	1.021	1.127	1.014	1.023	1.046	1.118	1.058	4.82
66)	T	1,1,1,2-Tetrac...	0.375	0.422	0.375	0.367	0.376	0.394	0.385	5.27
67)	C	Ethyl Benzene	1.832	2.040	1.838	1.834	1.898	1.733	1.863	5.47#
68)	T	m/p-Xylenes	0.705	0.789	0.707	0.720	0.747	0.676	0.724	5.45
69)	T	o-Xylene	0.678	0.762	0.720	0.712	0.741	0.660	0.712	5.34
70)	T	Styrene	1.059	1.222	1.112	1.146	1.208	0.934	1.114	9.57
71)	P	Bromoform	0.246	0.264	0.240	0.254	0.269	0.238	0.252	5.07
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.962	5.011	4.421	4.433	4.367	4.644	4.640	6.15
74)	T	N-amyl acetate	1.413	1.416	1.281	1.272	1.270	1.590	1.374	9.20
75)	P	1,1,2,2-Tetrac...	1.563	1.568	1.347	1.294	1.245	1.729	1.458	13.05
76)	T	1,2,3-Trichlor...	1.283	1.155	1.113	1.062	1.051	1.313	1.163	9.60
77)	T	Bromobenzene	1.081	1.107	0.949	0.919	0.907	1.104	1.011	9.48
78)	T	n-propylbenzene	5.035	5.416	4.954	5.086	5.042	5.249	5.130	3.33
79)	T	2-Chlorotoluene	3.229	3.427	3.052	3.035	2.976	3.259	3.163	5.42
80)	T	1,3,5-Trimethy...	3.336	3.651	3.463	3.662	3.695	2.866	3.446	9.17
81)	T	trans-1,4-Dich...	0.433	0.421	0.389	0.405	0.410		0.412	4.06
82)	T	4-Chlorotoluene	2.916	3.226	2.801	2.904	2.857	3.029	2.956	5.16
83)	T	tert-Butylbenzene	3.426	3.653	3.190	3.174	3.120	3.514	3.346	6.47
84)	T	1,2,4-Trimethy...	2.987	3.254	3.232	3.604	3.606	2.624	3.218	11.69
85)	T	sec-Butylbenzene	4.764	5.013	4.412	4.585	4.579	4.206	4.593	6.07
86)	T	p-Isopropyltol...	3.412	3.726	3.436	3.691	3.724	3.214	3.534	5.99
87)	T	1,3-Dichlorobe...	1.757	1.884	1.719	1.703	1.744	1.983	1.798	6.17
88)	T	1,4-Dichlorobe...	1.762	1.804	1.645	1.710	1.727	2.005	1.776	7.00
89)	T	n-Butylbenzene	2.394	2.609	2.656	3.095	3.267	2.387	2.735	13.41
90)	T	Hexachloroethane	0.774	0.831	0.717	0.735	0.745	0.882	0.781	8.13
91)	T	1,2-Dichlorobe...	1.752	1.829	1.697	1.709	1.702	2.014	1.784	6.91
92)	T	1,2-Dibromo-3-...	0.281	0.273	0.249	0.243	0.244	0.327	0.270	12.04
93)	T	1,2,4-Trichlor...	0.332	0.351	0.392	0.588	0.684	0.500	0.475	29.71
94)	T	Hexachlorobuta...	0.383	0.369	0.337	0.353	0.354	0.366	0.360	4.42
95)	T	Naphthalene	1.002	1.275	1.452	2.231	2.634	1.758	1.725	35.57
96)	T	1,2,3-Trichlor...	0.320	0.338	0.368	0.550	0.641	0.582	0.467	30.09

(#) = Out of Range

Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 6.422\text{e-}001 * \text{Amt} - 3.974\text{e-}003$$

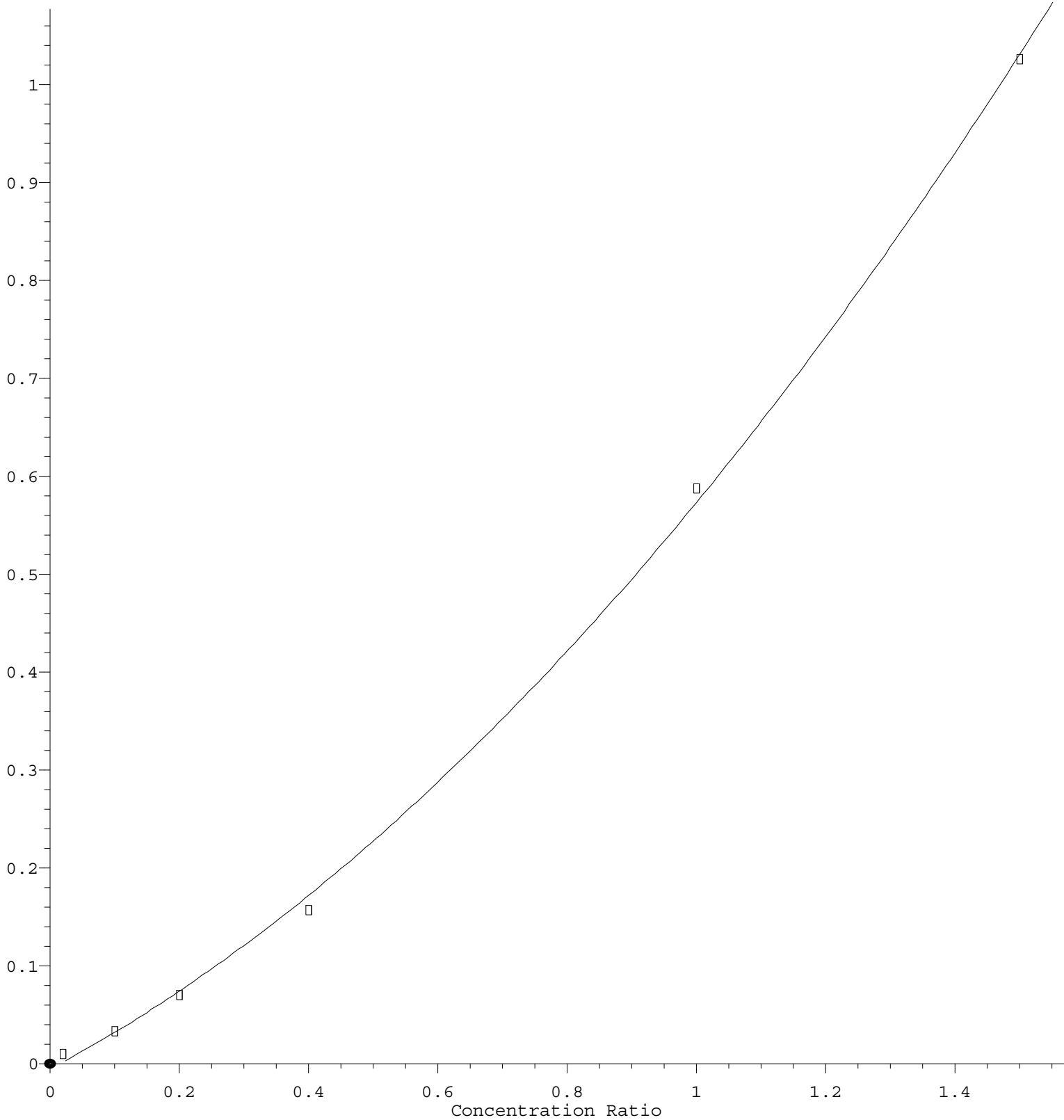
Coef of Det (r^2) = 0.998978 Curve Fit: Linear

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1,2,4-Trichlorobenzene

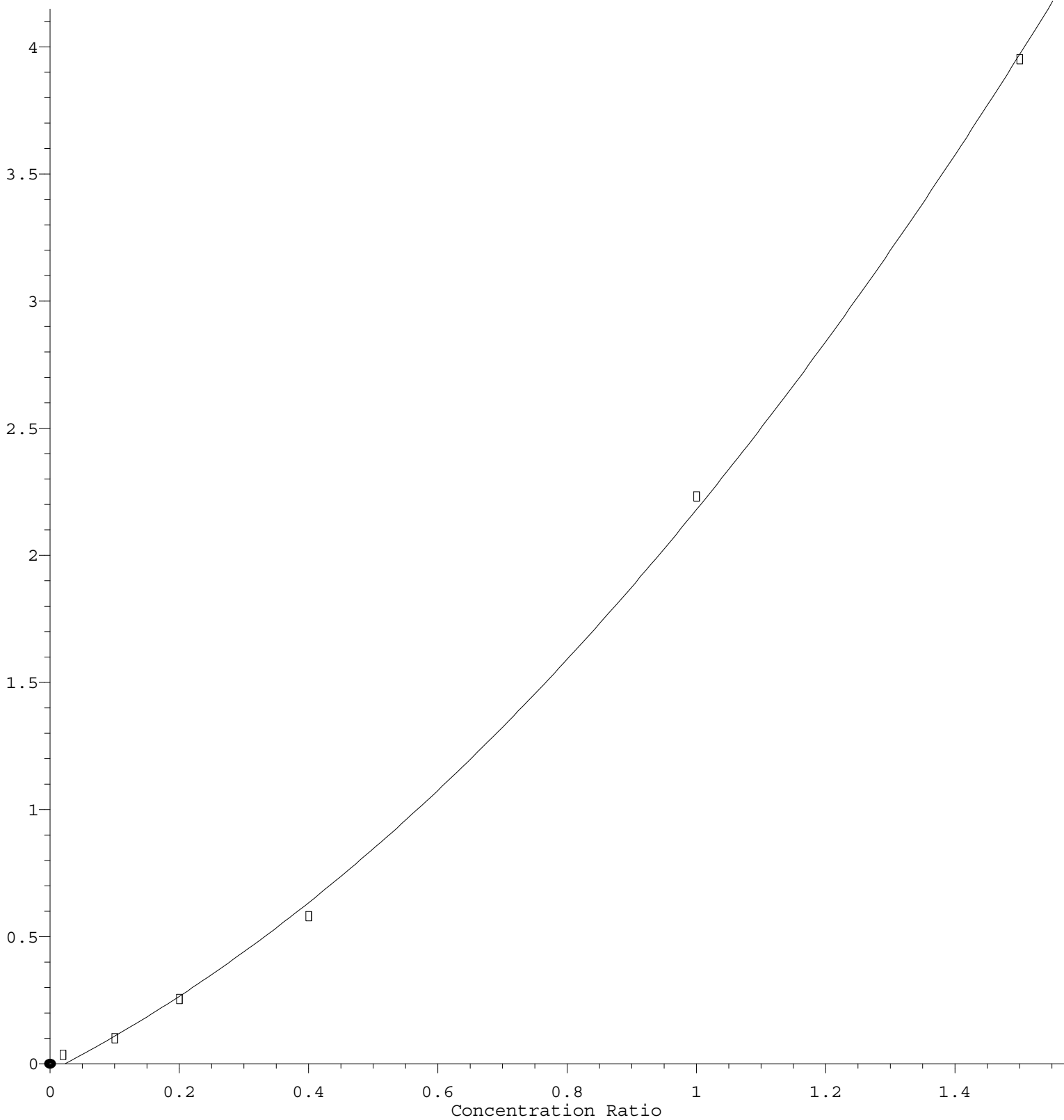
Response Ratio



$R = 2.246e-001 A^2 + 3.543e-001 A - 5.705e-003$
 Coef of Det (r^2) = 0.999339 Curve Fit: Quadratic
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Naphthalene

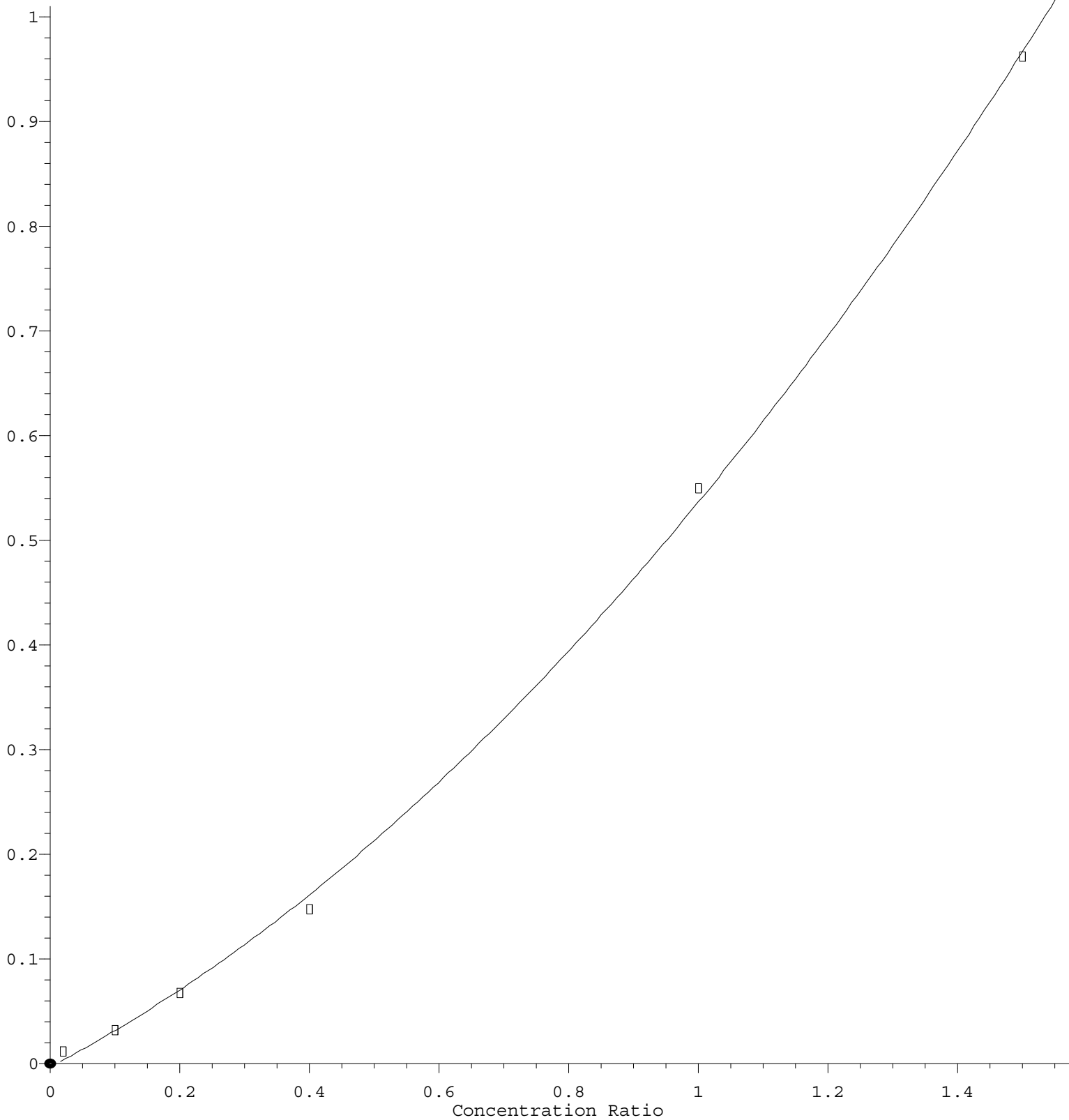
Response Ratio



$R = 9.155e-001 A^2 + 1.294e+000 A - 2.999e-002$
 Coef of Det (r^2) = 0.999388 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N042423W.M
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1,2,3-Trichlorobenzene

Response Ratio



$R = 2.142e-001 A^2 + 3.253e-001 A - 3.094e-003$
 Coef of Det (r^2) = 0.999361 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N042423W.M
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