

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X020822W.M
 Title : SW846 8260
 Last Update : Tue Feb 08 07:07:46 2022
 Response Via : Initial Calibration

Calibration Files

1 =VX026802.D 5 =VX026803.D 20 =VX026804.D 50 =VX026805.D 100 =VX026806.D 150 =VX026807.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.534	0.505	0.549	0.536	0.590	0.548	0.544	5.09
3) P	Chloromethane	0.544	0.485	0.512	0.486	0.521	0.486	0.506	4.77
4) C	Vinyl Chloride	0.507	0.517	0.534	0.519	0.570	0.529	0.529	4.17#
5) T	Bromomethane	0.227	0.226	0.205	0.242	0.223	0.223	0.225	6.01
6) T	Chloroethane	0.320	0.304	0.317	0.303	0.239	0.204	0.281	17.05
7) T	Trichlorofluor...	0.769	0.752	0.760	0.770	0.843	0.782	0.779	4.20
8) T	Diethyl Ether	0.280	0.296	0.287	0.276	0.310	0.283	0.289	4.33
9) T	1,1,2-Trichlor...	0.477	0.511	0.509	0.499	0.557	0.511	0.511	5.13
10) T	Methyl Iodide	0.502	0.625	0.667	0.770	0.716	0.716	0.656	15.51
11) T	Tert butyl alc...	0.100	0.101	0.103	0.121	0.117	0.108	0.108	9.41
12) CM	1,1-Dichloroet...	0.505	0.508	0.495	0.499	0.552	0.510	0.512	3.99#
13) T	Acrolein	0.098	0.082	0.097	0.113	0.111	0.100	0.100	12.48
14) T	Allyl chloride	0.876	0.880	0.875	0.886	1.002	0.920	0.906	5.47
15) T	Acrylonitrile	0.320	0.313	0.313	0.303	0.321	0.294	0.311	3.41
16) T	Acetone	0.313	0.266	0.253	0.245	0.263	0.242	0.264	9.76
17) T	Carbon Disulfide	1.507	1.402	1.401	1.393	1.553	1.435	1.449	4.56
18) T	Methyl Acetate	0.915	0.748	0.732	0.708	0.751	0.697	0.758	10.51
19) T	Methyl tert-bu...	1.873	1.792	1.760	1.744	1.929	1.770	1.811	4.05
20) T	Methylene Chlo...	0.648	0.571	0.550	0.533	0.587	0.538	0.571	7.50
21) T	trans-1,2-Dich...	0.497	0.533	0.529	0.530	0.594	0.547	0.538	5.89
22) T	Diisopropyl ether	1.869	1.843	1.818	1.773	1.909	1.738	1.825	3.43
23) T	Vinyl Acetate	1.448	1.502	1.537	1.536	1.668	1.516	1.534	4.78
24) P	1,1-Dichloroet...	0.952	0.975	0.976	0.960	1.073	0.988	0.987	4.44
25) T	2-Butanone	0.433	0.424	0.432	0.415	0.441	0.404	0.425	3.21
26) T	2,2-Dichloropr...	0.584	0.609	0.637	0.670	0.774	0.729	0.667	10.91
27) T	cis-1,2-Dichlo...	0.569	0.612	0.617	0.610	0.679	0.622	0.618	5.74
28) T	Bromochloromet...	0.406	0.402	0.397	0.397	0.444	0.409	0.409	4.34
29) T	Tetrahydrofuran	0.305	0.289	0.291	0.279	0.294	0.274	0.289	3.80
30) C	Chloroform	1.085	1.028	1.006	0.977	1.075	0.984	1.026	4.46#
31) T	Cyclohexane	0.963	0.932	0.927	1.012	0.935	0.954	0.954	3.70
32) T	1,1,1-Trichlor...	0.868	0.882	0.875	0.888	0.994	0.920	0.905	5.24
33) S	1,2-Dichloroet...	0.622	0.609	0.555	0.621	0.593	0.600	0.600	4.67
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.297	0.302	0.272	0.313	0.305	0.298	0.298	5.27
36) T	1,1-Dichloropr...	0.454	0.463	0.462	0.452	0.510	0.477	0.470	4.62
37) T	Ethyl Acetate	0.574	0.524	0.523	0.512	0.558	0.512	0.534	4.87
38) T	Carbon Tetrach...	0.505	0.455	0.469	0.476	0.543	0.509	0.493	6.51
39) T	Methylcyclohexane	0.540	0.553	0.568	0.565	0.638	0.594	0.576	6.14
40) TM	Benzene	1.401	1.355	1.341	1.320	1.450	1.351	1.370	3.46
41) T	Methacrylonitrile	0.284	0.277	0.295	0.284	0.314	0.284	0.289	4.64
42) TM	1,2-Dichloroet...	0.464	0.474	0.485	0.472	0.521	0.479	0.483	4.18
43) T	Isopropyl Acetate	0.773	0.792	0.824	0.819	0.899	0.825	0.822	5.24
44) TM	Trichloroethene	0.398	0.402	0.403	0.400	0.447	0.417	0.411	4.62
45) C	1,2-Dichloropr...	0.349	0.342	0.345	0.335	0.371	0.339	0.347	3.66#
46) T	Dibromomethane	0.238	0.229	0.240	0.232	0.259	0.240	0.240	4.30
47) T	Bromodichlorom...	0.429	0.435	0.456	0.457	0.509	0.470	0.459	6.27
48) T	Methyl methacr...	0.425	0.387	0.407	0.398	0.431	0.396	0.407	4.25
49) T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.007	0.007	0.007	3.84
50) S	Toluene-d8	1.080	1.148	1.004	1.134	1.103	1.093	1.093	5.19
51) T	4-Methyl-2-Pen...	0.523	0.490	0.521	0.480	0.511	0.462	0.498	4.92
52) CM	Toluene	0.946	0.848	0.856	0.824	0.903	0.826	0.867	5.53#
53) T	t-1,3-Dichloro...	0.350	0.383	0.448	0.463	0.536	0.496	0.446	15.55
54) T	cis-1,3-Dichlo...	0.424	0.449	0.503	0.523	0.592	0.551	0.507	12.38
55) T	1,1,2-Trichlor...	0.321	0.328	0.337	0.321	0.348	0.315	0.328	3.69
56) T	Ethyl methacry...	0.484	0.481	0.550	0.516	0.571	0.519	0.520	6.82

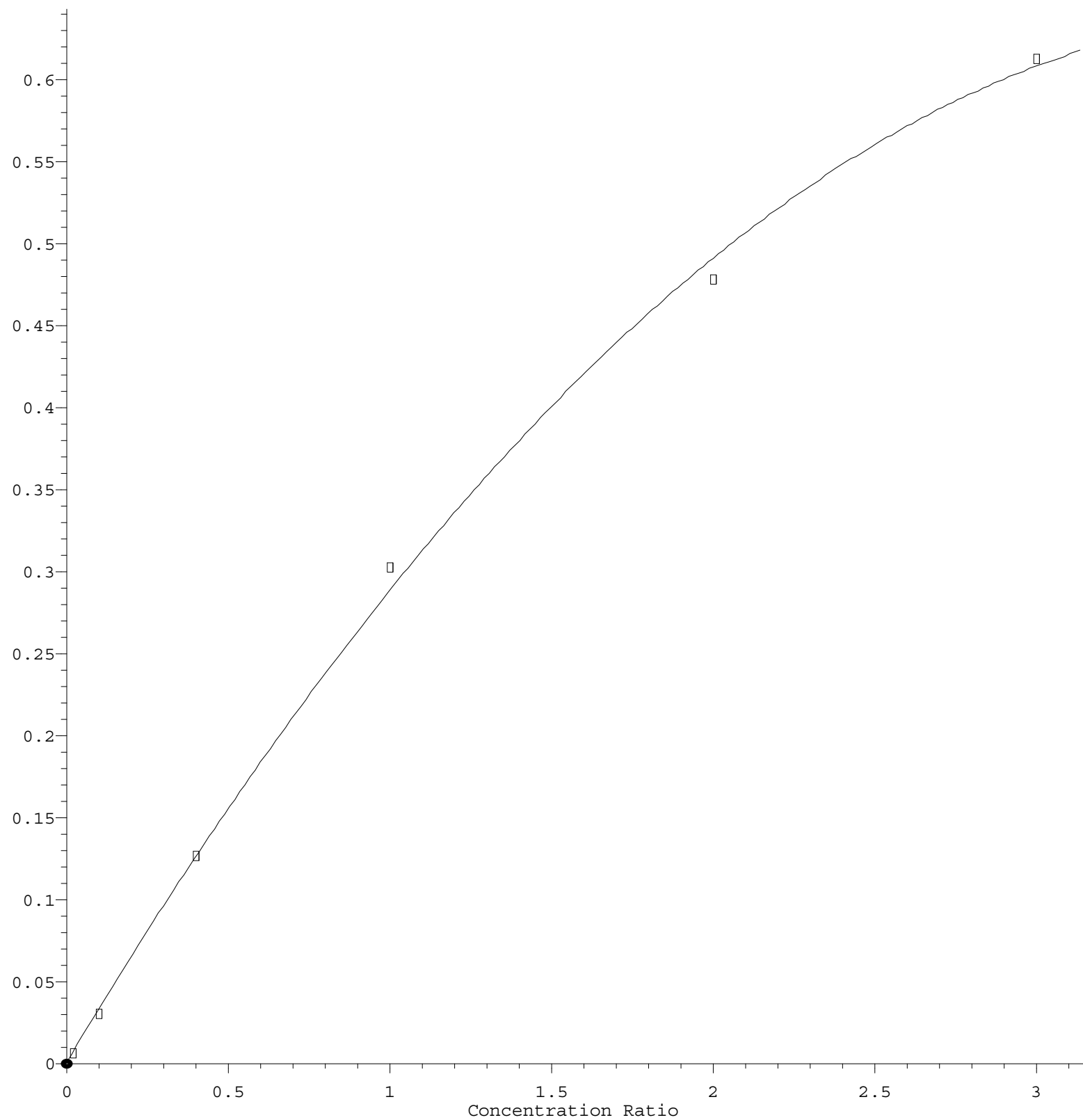
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57)	T	1,3-Dichloropr...	0.561	0.559	0.573	0.552	0.595	0.541	0.564	3.28
58)	T	2-Chloroethyl ...	0.272	0.255	0.263	0.280	0.273	0.260	0.267	3.46
59)	T	2-Hexanone	0.362	0.353	0.384	0.354	0.383	0.350	0.364	4.28
60)	T	Dibromochlorom...	0.285	0.309	0.348	0.343	0.388	0.354	0.338	10.75
61)	T	1,2-Dibromoethane	0.332	0.335	0.358	0.341	0.373	0.343	0.347	4.46
62)	S	4-Bromofluorob...	0.371	0.400	0.352	0.407	0.395	0.385		5.94
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.453	0.496	0.512	0.508	0.546	0.498	0.502	5.98
65)	PM	Chlorobenzene	1.041	1.041	1.023	1.000	1.095	1.004	1.034	3.33
66)	T	1,1,1,2-Tetrac...	0.356	0.367	0.379	0.375	0.419	0.386	0.380	5.66
67)	C	Ethyl Benzene	1.702	1.817	1.839	1.807	1.990	1.826	1.830	5.05#
68)	T	m/p-Xylenes	0.688	0.693	0.701	0.687	0.757	0.699	0.704	3.78
69)	T	o-Xylene	0.688	0.685	0.686	0.672	0.735	0.675	0.690	3.33
70)	T	Styrene	1.026	1.076	1.136	1.108	1.230	1.139	1.119	6.13
71)	P	Bromoform	0.199	0.238	0.262	0.268	0.315	0.299	0.263	15.87
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.918	3.954	4.077	3.901	4.097	3.684	3.938	3.78
74)	T	N-amyl acetate	1.443	1.457	1.653	1.577	1.727	1.584	1.574	6.98
75)	P	1,1,2,2-Tetrac...	1.153	1.117	1.064	0.996	1.081	1.002	1.069	5.81
76)	T	1,2,3-Trichlor...	1.150	1.110	1.128	1.062	1.119	0.999	1.095	5.05
77)	T	Bromobenzene	0.972	0.924	0.952	0.908	0.974	0.887	0.936	3.81
78)	T	n-propylbenzene	4.101	4.316	4.516	4.352	4.668	4.244	4.366	4.59
79)	T	2-Chlorotoluene	2.834	2.727	2.730	2.579	2.785	2.532	2.698	4.37
80)	T	1,3,5-Trimethy...	3.222	3.223	3.357	3.187	3.407	3.051	3.241	3.92
81)	T	trans-1,4-Dich...	0.226	0.291	0.326	0.382	0.361	0.317		19.43
82)	T	4-Chlorotoluene	2.982	3.045	3.113	2.966	3.180	2.872	3.026	3.65
83)	T	tert-Butylbenzene	3.319	3.008	3.134	2.988	3.185	2.902	3.089	4.93
84)	T	1,2,4-Trimethy...	3.382	3.237	3.362	3.153	3.393	3.091	3.269	3.94
85)	T	sec-Butylbenzene	3.834	3.829	4.002	3.846	4.163	3.823	3.916	3.54
86)	T	p-Isopropyltol...	3.208	3.210	3.362	3.280	3.579	3.266	3.318	4.23
87)	T	1,3-Dichlorobe...	1.749	1.687	1.694	1.650	1.838	1.673	1.715	3.98
88)	T	1,4-Dichlorobe...	1.773	1.710	1.729	1.654	1.821	1.693	1.730	3.44
89)	T	n-Butylbenzene	2.511	2.544	2.735	2.702	3.011	2.783	2.714	6.66
90)	T	Hexachloroethane	0.396	0.425	0.465	0.483	0.569	0.539	0.479	13.77
91)	T	1,2-Dichlorobe...	1.615	1.685	1.656	1.616	1.754	1.605	1.655	3.46
92)	T	1,2-Dibromo-3-...	0.225	0.237	0.250	0.269	0.305	0.292	0.263	11.94
93)	T	1,2,4-Trichlor...	0.970	0.945	1.015	1.038	1.180	1.120	1.045	8.62
94)	T	Hexachlorobuta...	0.414	0.420	0.436	0.434	0.485	0.461	0.442	6.07
95)	T	Naphthalene	3.064	3.445	3.697	3.740	4.130	3.877	3.659	10.06
96)	T	1,2,3-Trichlor...	0.970	0.997	1.041	1.048	1.185	1.105	1.058	7.34

(#) = Out of Range

Chloroethane

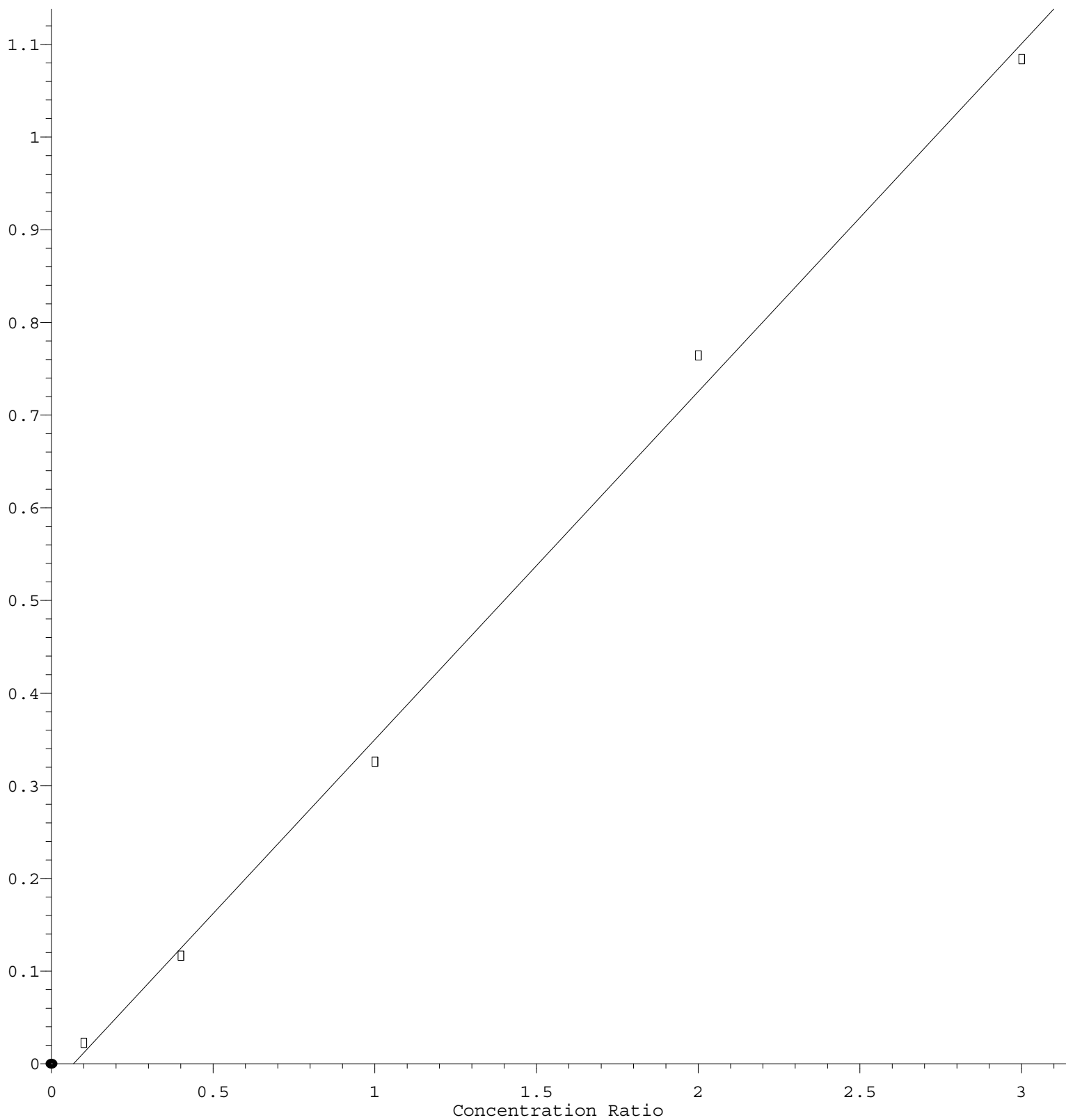
Response Ratio



$R = -4.265e-002 A^2 + 3.303e-001 A + 1.291e-003$
 Coef of Det (r^2) = 0.998728 Curve Fit: Quadratic
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trans-1,4-Dichloro-2-butene

Response Ratio



$$\text{Response} = 3.755\text{e-}001 * \text{Amt} - 2.548\text{e-}002$$

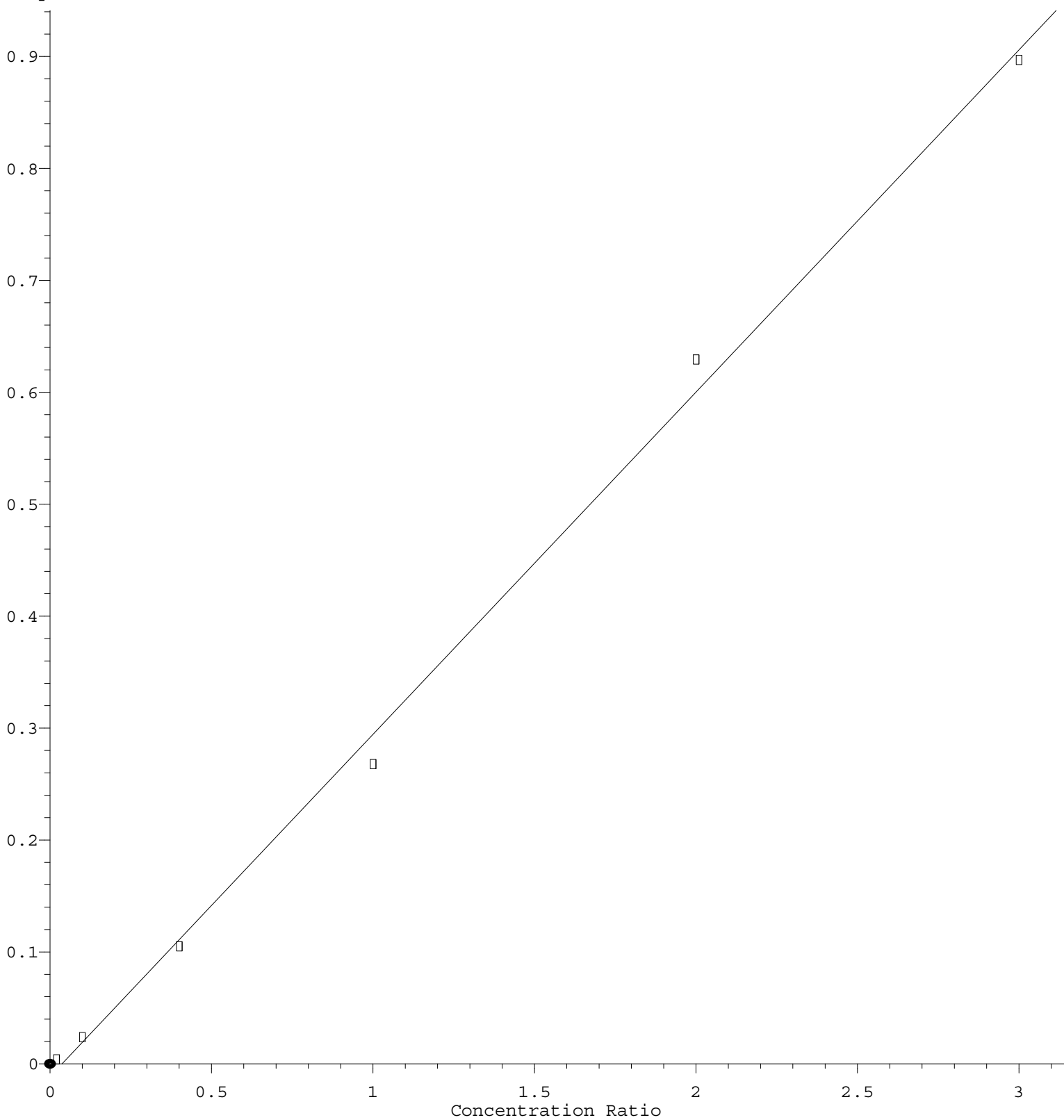
Coef of Det (r^2) = 0.996850 Curve Fit: Linear

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Bromoform

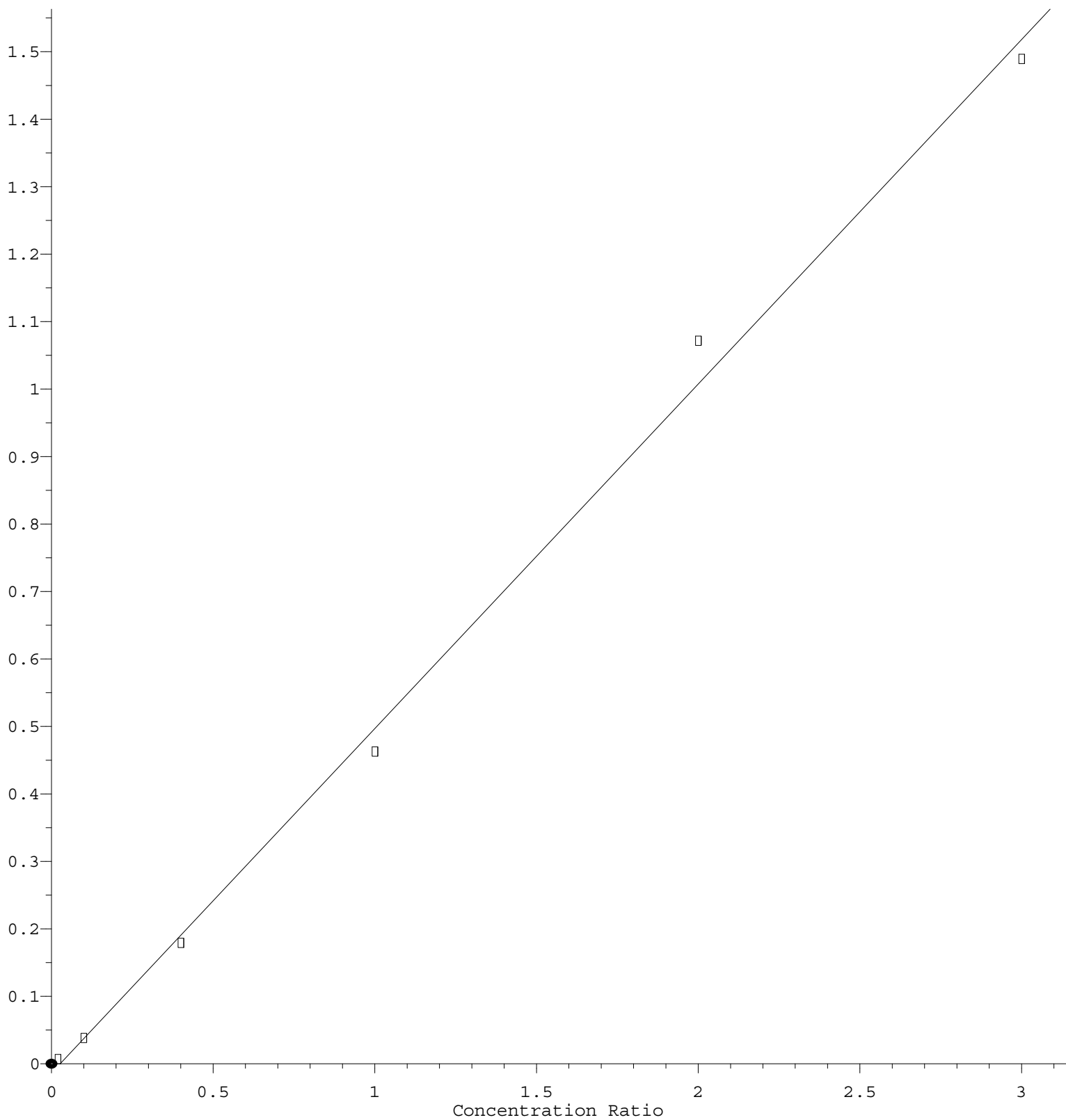
Response Ratio



Response = 3.060e-001 * Amt - 1.138e-002
 Coef of Det (r^2) = 0.997321 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X020822W.M
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t-1,3-Dichloropropene

Response Ratio



$$\text{Response} = 5.109\text{e-}001 * \text{Amt} - 1.379\text{e-}002$$

Coef of Det (r^2) = 0.996579 Curve Fit: Linear

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