

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N100522W.M
 Title : SW846 8260
 Last Update : Thu Oct 06 05:37:50 2022
 Response Via : Initial Calibration

Calibration Files

1 =VN074735.D 5 =VN074736.D 20 =VN074738.D 50 =VN074739.D 100 =VN074740.D 10 =VN074737.D

	Compound	1	5	20	50	100	10	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.892	1.149	1.046	1.024	0.923	1.119	1.025	10.00
3) P	Chloromethane	1.850	1.533	1.519	1.385	1.234	1.628	1.525	13.77
4) C	Vinyl Chloride	2.116	1.809	1.892	1.841	1.626	2.045	1.888	9.30#
5) T	Bromomethane		1.501	1.366	1.350	1.021	1.419	1.331	13.78
6) T	Chloroethane		1.503	1.434	1.396	1.108	1.543	1.397	12.26
7) T	Trichlorofluor...	1.662	1.580	1.456	1.366	1.259	1.604	1.488	10.44
8) T	Diethyl Ether	0.943	0.796	0.732	0.714	0.639	0.834	0.776	13.62
9) T	1,1,2-Trichlor...	1.076	0.908	0.916	0.864	0.775	0.932	0.912	10.81
10) T	Methyl Iodide		1.074	1.144	1.081	1.008	1.204	1.102	6.78
11) T	Tert butyl alc...		0.475	0.387	0.365	0.340	0.418	0.397	13.16
12) CM	1,1-Dichloroet...	1.153	1.060	0.913	0.872	0.810	1.015	0.970	13.19#
13) T	Acrolein		0.169	0.101	0.100	0.087	0.104	0.112	28.85
14) T	Allyl chloride	1.951	1.949	2.034	1.974	1.829	2.229	1.994	6.66
15) T	Acrylonitrile	0.886	0.912	0.866	0.852	0.792	0.885	0.865	4.80
16) T	Acetone	0.730	0.714	0.668	0.643	0.578	0.695	0.671	8.26
17) T	Carbon Disulfide	2.839	2.794	2.634	2.513	2.352	2.779	2.652	7.16
18) T	Methyl Acetate	2.864	2.350	2.514	2.349	2.196	2.641	2.486	9.67
19) T	Methyl tert-bu...	3.933	3.918	3.748	3.713	3.495	3.845	3.775	4.33
20) T	Methylene Chlo...	1.649	1.341	1.237	1.125	1.027	1.199	1.263	17.14
21) T	trans-1,2-Dich...	1.118	1.059	1.045	0.969	0.925	1.113	1.038	7.47
22) T	Diisopropyl ether	4.467	4.359	4.273	4.148	3.944	4.223	4.236	4.26
23) T	Vinyl Acetate	3.477	3.633	3.663	3.623	3.130	3.352	3.479	5.97
24) P	1,1-Dichloroet...	2.293	2.198	2.196	2.133	1.962	2.321	2.184	5.89
25) T	2-Butanone	1.309	1.253	1.223	1.189	1.100	1.236	1.218	5.76
26) T	2,2-Dichloropr...	2.032	1.845	1.767	1.693	1.585	1.885	1.801	8.67
27) T	cis-1,2-Dichlo...	1.274	1.272	1.241	1.201	1.118	1.308	1.236	5.49
28) T	Bromochloromet...	0.939	0.898	1.053	1.040	1.011	0.972	0.985	6.13
29) T	Tetrahydrofuran	0.913	0.816	0.868	0.838	0.781	0.879	0.849	5.61
30) C	Chloroform	2.079	2.039	1.995	1.971	1.891	2.027	2.000	3.26#
31) T	Cyclohexane		2.268	2.046	1.974	1.823	2.127	2.048	8.13
32) T	1,1,1-Trichlor...	1.704	1.781	1.737	1.703	1.602	1.704	1.705	3.46
33) S	1,2-Dichloroet...		1.091	1.229	1.159	1.175	1.270	1.185	5.77
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.483	0.510	0.493	0.513	0.527	0.505	3.45
36) T	1,1-Dichloropr...	0.896	0.806	0.815	0.815	0.764	0.810	0.818	5.26
37) T	Ethyl Acetate	3.480	3.418	3.258	3.231	2.993	3.298	3.280	5.19
38) T	Carbon Tetrach...	0.823	0.804	0.741	0.767	0.722	0.770	0.771	4.90
39) T	Methylcyclohexane	1.059	1.096	1.060	1.087	1.005	1.049	1.059	3.05
40) TM	Benzene	2.693	2.774	2.647	2.626	2.455	2.688	2.647	4.04
41) T	Methacrylonitrile	0.712	0.625	0.619	0.643	0.605	0.672	0.646	6.16
42) TM	1,2-Dichloroet...	0.895	0.790	0.831	0.848	0.782	0.839	0.831	4.96
43) T	Isopropyl Acetate	2.076	2.093	2.037	2.008	1.867	2.079	2.027	4.16
44) TM	Trichloroethene	0.581	0.559	0.565	0.548	0.500	0.555	0.551	5.00
45) C	1,2-Dichloropr...	0.675	0.752	0.737	0.726	0.650	0.761	0.717	6.19#
46) T	Dibromomethane	0.346	0.441	0.432	0.441	0.413	0.451	0.421	9.21
47) T	Bromodichlorom...	0.831	0.891	0.844	0.861	0.826	0.903	0.859	3.72
48) T	Methyl methacr...	0.738	0.937	0.836	0.854	0.796	0.832	0.832	7.90
49) T	1,4-Dioxane	0.019	0.019	0.018	0.018	0.017	0.017	0.018	4.00
50) S	Toluene-d8		2.050	2.171	2.184	2.262	2.171	2.168	3.51
51) T	4-Methyl-2-Pen...	1.301	1.305	1.309	1.333	1.266	1.317	1.305	1.70
52) CM	Toluene	1.468	1.592	1.622	1.664	1.599	1.595	1.590	4.13#
53) T	t-1,3-Dichloro...	1.022	0.991	1.011	1.068	1.031	1.020	1.024	2.51
54) T	cis-1,3-Dichlo...	1.127	1.149	1.089	1.118	1.048	1.100	1.105	3.17
55) T	1,1,2-Trichlor...	0.619	0.632	0.635	0.665	0.613	0.671	0.639	3.72
56) T	Ethyl methacry...	1.183	1.143	1.123	1.219	1.170	1.148	1.165	2.93

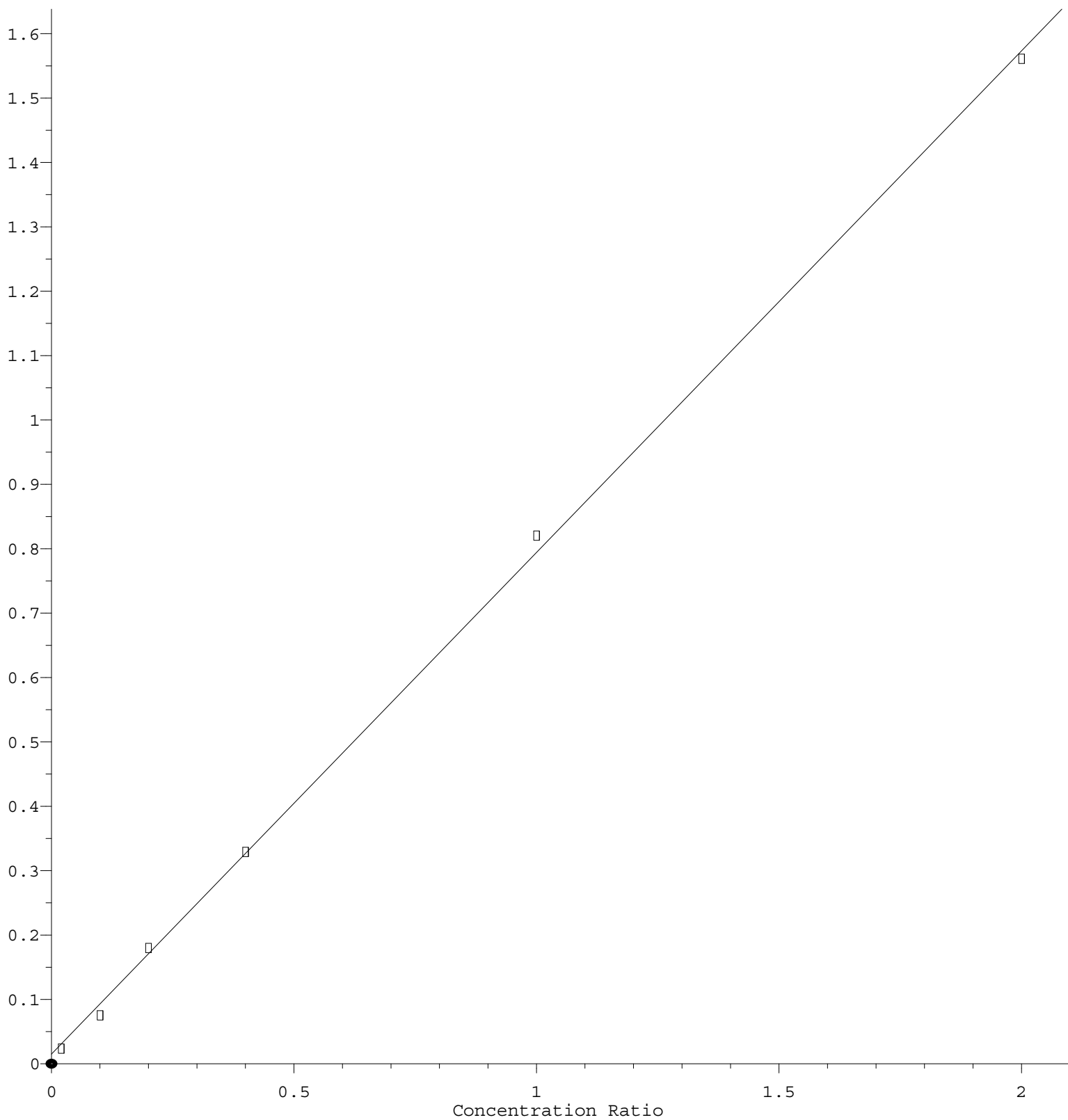
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57)	T	1,3-Dichloropr...	1.167	1.151	1.137	1.164	1.112	1.184	1.152	2.18
58)	T	2-Chloroethyl ...	0.406	0.373	0.412	0.469	0.419	0.441	0.420	7.75
59)	T	2-Hexanone	0.968	0.948	0.990	1.022	0.984	1.011	0.987	2.75
60)	T	Dibromochlorom...	0.597	0.622	0.646	0.663	0.646	0.605	0.630	4.11
61)	T	1,2-Dibromoethane	0.699	0.643	0.636	0.659	0.619	0.645	0.650	4.18
62)	S	4-Bromofluorob...		0.583	0.635	0.686	0.769	0.621	0.659	10.89
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.463	0.416	0.384	0.391	0.367	0.415	0.406	8.32
65)	PM	Chlorobenzene	1.530	1.643	1.506	1.538	1.425	1.549	1.532	4.61
66)	T	1,1,1,2-Tetrac...	0.648	0.538	0.551	0.552	0.512	0.557	0.559	8.26
67)	C	Ethyl Benzene	2.827	2.938	2.826	3.001	2.726	2.812	2.855	3.44#
68)	T	m/p-Xylenes	0.928	1.131	1.086	1.134	1.066	1.085	1.072	7.03
69)	T	o-Xylene	1.020	1.148	1.078	1.155	1.069	1.128	1.100	4.79
70)	T	Styrene	1.480	1.770	1.720	1.883	1.828	1.722	1.733	8.04
71)	P	Bromoform	0.429	0.406	0.416	0.442	0.447	0.419	0.427	3.74
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.930	5.084	4.854	4.656	4.160	5.185	4.811	7.66
74)	T	N-amyl acetate	3.659	2.925	2.869	2.655	2.356	2.990	2.909	14.92
75)	P	1,1,2,2-Tetrac...	2.404	1.987	1.850	1.672	1.477	2.101	1.915	17.08
76)	T	1,2,3-Trichlor...	1.218	1.785	1.646	1.499	1.332	1.475	1.492	13.75
77)	T	Bromobenzene	1.295	1.019	1.019	0.934	0.822	0.991	1.013	15.47
78)	T	n-propylbenzene	5.640	5.815	5.564	5.560	4.917	5.762	5.543	5.84
79)	T	2-Chlorotoluene	3.882	3.444	3.304	3.187	2.839	3.511	3.361	10.36
80)	T	1,3,5-Trimethy...	3.510	4.113	3.907	3.895	3.430	4.169	3.837	7.97
81)	T	trans-1,4-Dich...		0.817	0.771	0.739	0.637	0.865	0.766	11.29
82)	T	4-Chlorotoluene	3.265	3.147	3.095	3.166	2.814	3.204	3.115	5.07
83)	T	tert-Butylbenzene	3.132	3.437	3.415	3.354	2.945	3.612	3.316	7.20
84)	T	1,2,4-Trimethy...	3.838	4.043	3.937	3.875	3.437	4.151	3.880	6.33
85)	T	sec-Butylbenzene	4.542	4.959	4.954	4.929	4.405	5.123	4.819	5.80
86)	T	p-Isopropyltol...	3.291	3.826	3.818	3.917	3.547	3.912	3.719	6.71
87)	T	1,3-Dichlorobe...	2.290	1.893	1.868	1.869	1.676	1.853	1.908	10.64
88)	T	1,4-Dichlorobe...	1.963	1.752	1.836	1.833	1.664	1.766	1.802	5.60
89)	T	n-Butylbenzene	3.153	3.292	3.307	3.424	3.246	3.244	3.278	2.73
90)	T	Hexachloroethane	1.005	0.860	0.797	0.795	0.692	0.840	0.831	12.40
91)	T	1,2-Dichlorobe...	1.891	1.760	1.834	1.848	1.704	1.989	1.838	5.44
92)	T	1,2-Dibromo-3-...	0.489	0.399	0.385	0.355	0.325	0.439	0.399	14.81
93)	T	1,2,4-Trichlor...	0.824	0.781	0.805	0.817	0.777	0.820	0.804	2.57
94)	T	Hexachlorobuta...	0.399	0.433	0.372	0.338	0.329	0.385	0.376	10.34
95)	T	Naphthalene	3.268	3.217	3.659	3.632	3.379	3.695	3.475	6.11
96)	T	1,2,3-Trichlor...	1.174	0.753	0.823	0.820	0.780	0.899	0.875	17.67

(#) = Out of Range

1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 7.798\text{e-}001 * \text{Amt} + 1.462\text{e-}002$$

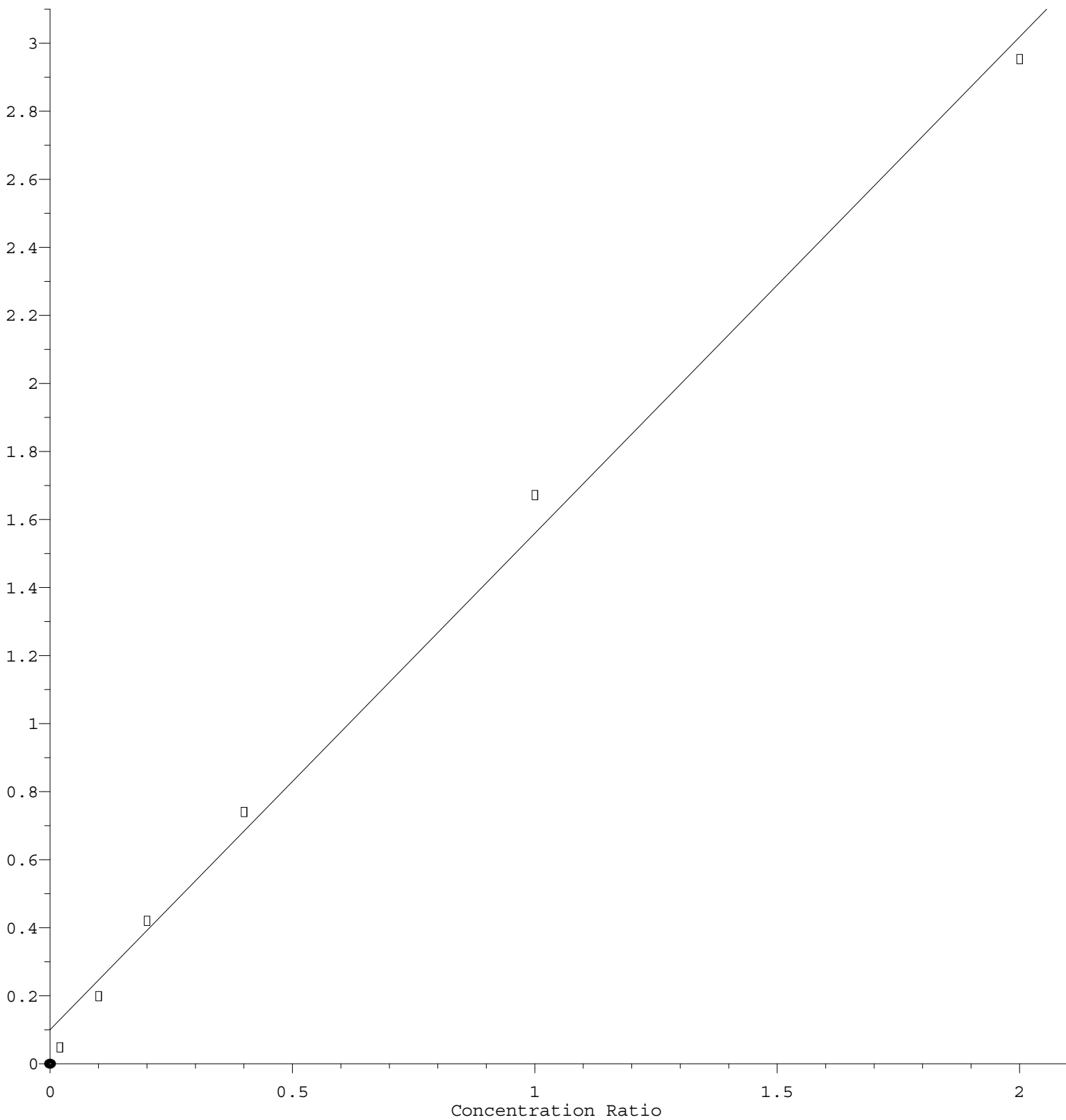
Coef of Det (r^2) = 0.999275 Curve Fit: Linear

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1,1,2,2-Tetrachloroethane

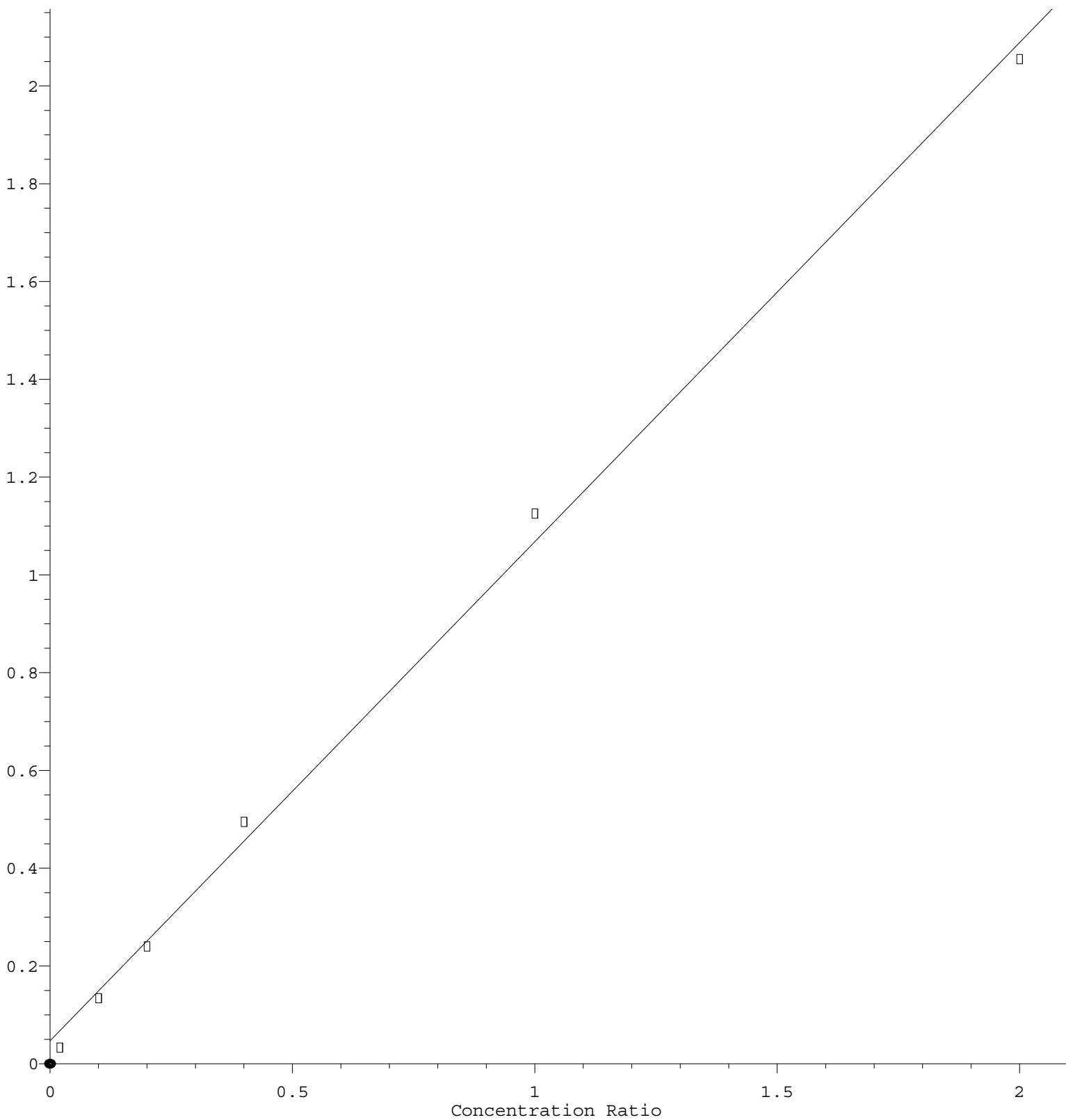
Response Ratio



Response = 1.460e+000 * Amt + 1.002e-001
 Coef of Det (r^2) = 0.995226 Curve Fit: Linear
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Methylene Chloride

Response Ratio



$$\text{Response} = 1.021\text{e}+000 * \text{Amt} + 4.743\text{e}-002$$

Coef of Det (r^2) = 0.997517 Curve Fit: Linear

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