

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N051523W.M
 Title : SW846 8260
 Last Update : Tue May 16 04:07:42 2023
 Response Via : Initial Calibration

Calibration Files

1 =VN077679.D 5 =VN077678.D 40 =VN077676.D 20 =VN077677.D 50 =VN077675.D 100 =VN077674.D

	Compound	1	5	40	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.511	0.543	0.584	0.613	0.600	0.563	0.569	6.66
3) P	Chloromethane	0.867	0.743	0.633	0.653	0.611	0.586	0.682	15.41
4) C	Vinyl Chloride	0.686	0.715	0.732	0.741	0.728	0.703	0.717	2.87#
5) T	Bromomethane		0.619	0.521	0.552	0.504	0.457	0.531	11.33
6) T	Chloroethane	0.513	0.525	0.483	0.534	0.497	0.548	0.517	4.66
7) T	Trichlorofluor...	0.970	1.051	0.992	1.026	0.994	0.965	1.000	3.31
8) T	Diethyl Ether	0.386	0.370	0.357	0.367	0.356	0.353	0.365	3.30
9) T	1,1,2-Trichlor...	0.509	0.612	0.555	0.565	0.542	0.538	0.553	6.25
10) T	Methyl Iodide		0.619	0.667	0.671	0.662	0.680	0.660	3.61
11) T	Tert butyl alc...		0.112	0.100	0.112	0.101	0.092	0.103	8.23
12) CM	1,1-Dichloroet...	0.504	0.562	0.521	0.538	0.524	0.507	0.526	4.07#
13) T	Acrolein		0.096	0.070	0.073	0.068	0.059	0.073	18.95
14) T	Allyl chloride	0.767	0.779	0.816	0.833	0.715	0.725	0.773	6.11
15) T	Acrylonitrile	0.295	0.285	0.270	0.280	0.269	0.257	0.276	4.91
16) T	Acetone	0.285	0.250	0.219	0.232	0.218	0.208	0.235	12.01
17) T	Carbon Disulfide	1.651	1.469	1.327	1.389	1.337	1.329	1.417	8.97
18) T	Methyl Acetate	1.081	1.009	0.979	1.007	0.958	0.892	0.987	6.35
19) T	Methyl tert-bu...	1.923	1.929	1.915	1.894	1.908	1.851	1.904	1.50
20) T	Methylene Chlo...	0.921	0.751	0.618	0.732	0.610	0.598	0.705	17.66
21) T	trans-1,2-Dich...	0.620	0.628	0.571	0.575	0.582	0.569	0.591	4.39
22) T	Diisopropyl ether	1.853	1.890	1.791	1.803	1.774	1.754	1.811	2.82
23) T	Vinyl Acetate	1.078	1.293	1.093	1.074	1.113	1.080	1.122	7.59
24) P	1,1-Dichloroet...	1.108	1.127	1.116	1.118	1.099	1.089	1.109	1.25
25) T	2-Butanone	0.405	0.390	0.359	0.368	0.351	0.336	0.368	6.93
26) T	2,2-Dichloropr...	0.791	0.981	0.971	0.926	0.993	0.993	0.943	8.29
27) T	cis-1,2-Dichlo...	0.702	0.736	0.705	0.713	0.704	0.691	0.708	2.12
28) T	Bromochloromet...	0.521	0.486	0.468	0.461	0.478	0.465	0.480	4.64
29) T	Tetrahydrofuran	0.279	0.244	0.236	0.241	0.231	0.216	0.241	8.69
30) C	Chloroform	1.354	1.242	1.199	1.195	1.173	1.160	1.220	5.83#
31) T	Cyclohexane		1.219	0.958	1.010	0.955	0.942	1.017	11.40
32) T	1,1,1-Trichlor...	0.982	1.039	1.041	1.067	1.054	1.042	1.038	2.82
33) S	1,2-Dichloroet...		0.826	0.740	0.725	0.745	0.705	0.748	6.17
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.346	0.323	0.305	0.336	0.320	0.326	4.81
36) T	1,1-Dichloropr...	0.464	0.469	0.478	0.471	0.488	0.491	0.477	2.21
37) T	Ethyl Acetate	0.536	0.422	0.398	0.397	0.406	0.391	0.425	12.99
38) T	Carbon Tetrach...	0.445	0.471	0.498	0.473	0.499	0.503	0.482	4.65
39) T	Methylcyclohexane	0.550	0.561	0.588	0.587	0.601	0.615	0.584	4.17
40) TM	Benzene	1.378	1.443	1.419	1.394	1.412	1.398	1.407	1.60
41) T	Methacrylonitrile	0.257	0.242	0.222	0.217	0.219	0.202	0.226	8.60
42) TM	1,2-Dichloroet...	0.561	0.514	0.502	0.498	0.497	0.495	0.511	4.92
43) T	Isopropyl Acetate	0.757	0.685	0.687	0.685	0.685	0.667	0.694	4.56
44) TM	Trichloroethene	0.353	0.370	0.350	0.355	0.355	0.355	0.356	1.91
45) C	1,2-Dichloropr...	0.357	0.357	0.359	0.353	0.364	0.362	0.359	1.12#
46) T	Dibromomethane	0.285	0.253	0.252	0.250	0.251	0.250	0.257	5.44
47) T	Bromodichlorom...	0.468	0.482	0.500	0.491	0.505	0.505	0.492	3.02
48) T	Methyl methacr...	0.342	0.314	0.339	0.324	0.332	0.325	0.329	3.24
49) T	1,4-Dioxane	0.006	0.007	0.006	0.006	0.006	0.006	0.006	7.87
50) S	Toluene-d8		1.291	1.257	1.178	1.296	1.253	1.255	3.75
51) T	4-Methyl-2-Pen...	0.414	0.414	0.418	0.420	0.416	0.395	0.413	2.22
52) CM	Toluene	0.823	0.877	0.892	0.855	0.904	0.906	0.876	3.68#
53) T	t-1,3-Dichloro...	0.476	0.493	0.540	0.507	0.543	0.565	0.521	6.54
54) T	cis-1,3-Dichlo...	0.579	0.534	0.584	0.546	0.597	0.603	0.574	4.85
55) T	1,1,2-Trichlor...	0.353	0.357	0.346	0.343	0.345	0.343	0.348	1.71
56) T	Ethyl methacry...	0.509	0.498	0.548	0.517	0.542	0.542	0.526	3.92

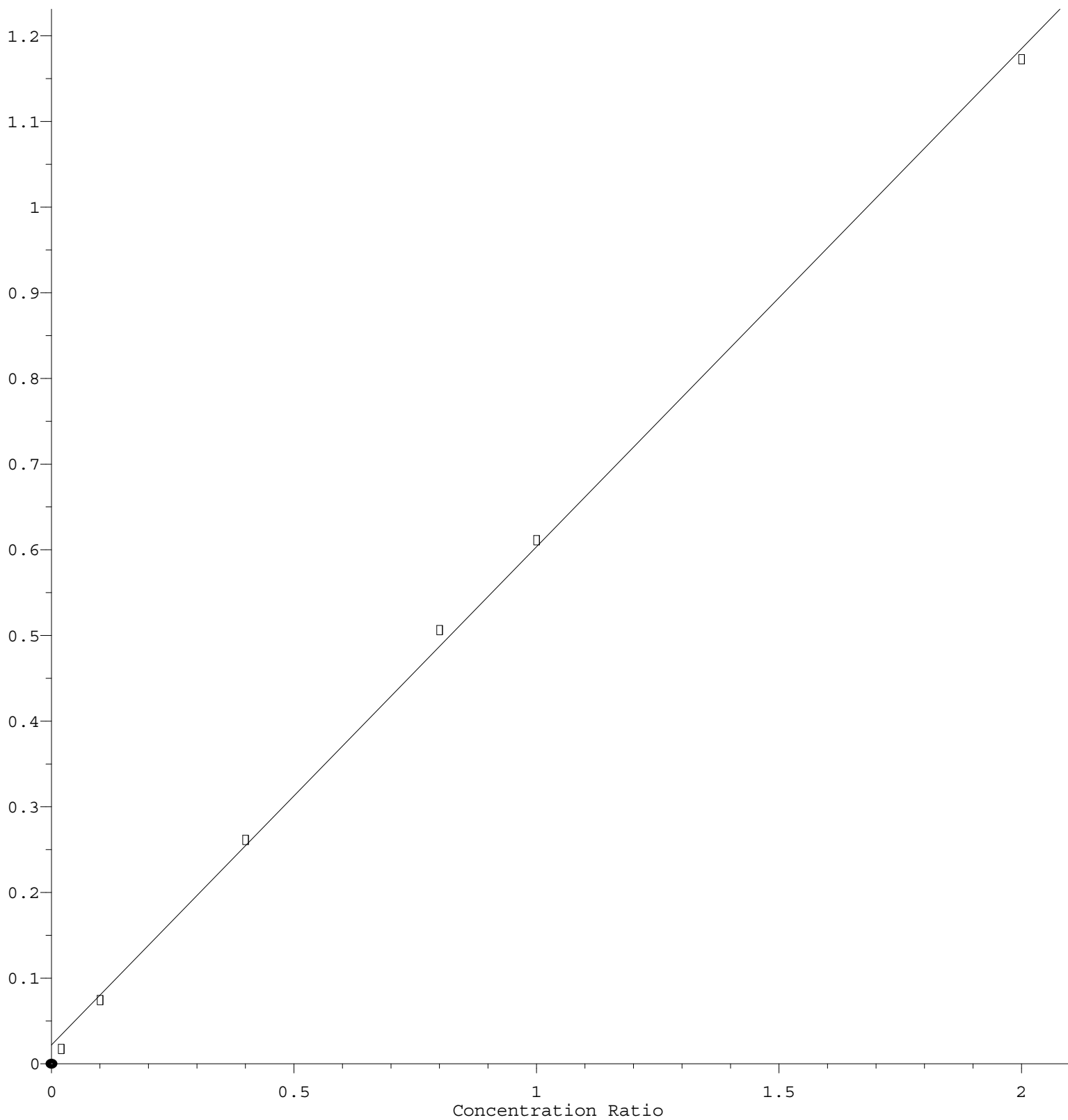
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57)	T	1,3-Dichloropr...	0.595	0.594	0.597	0.592	0.603	0.596	0.596	0.66
58)	T	2-Chloroethyl ...	0.253	0.252	0.273	0.262	0.262	0.252	0.259	3.21
59)	T	2-Hexanone	0.304	0.307	0.309	0.310	0.307	0.294	0.305	1.84
60)	T	Dibromochlorom...	0.341	0.336	0.367	0.349	0.376	0.386	0.359	5.65
61)	T	1,2-Dibromoethane	0.314	0.342	0.360	0.343	0.363	0.360	0.347	5.37
62)	S	4-Bromofluorob...		0.476	0.434	0.416	0.448	0.442	0.443	4.96
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.391	0.361	0.329	0.339	0.341	0.337	0.350	6.56
65)	PM	Chlorobenzene	1.120	1.090	1.075	1.077	1.072	1.069	1.084	1.79
66)	T	1,1,1,2-Tetrac...	0.342	0.367	0.394	0.372	0.391	0.384	0.375	5.16
67)	C	Ethyl Benzene	1.755	2.037	1.962	1.943	1.987	1.971	1.942	5.01#
68)	T	m/p-Xylenes	0.671	0.767	0.745	0.731	0.749	0.752	0.736	4.58
69)	T	o-Xylene	0.677	0.728	0.734	0.727	0.744	0.734	0.724	3.28
70)	T	Styrene	0.999	1.165	1.180	1.145	1.196	1.214	1.150	6.73
71)	P	Bromoform	0.211	0.234	0.262	0.249	0.273	0.268	0.250	9.48
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.976	4.412	4.368	4.300	4.411	4.393	4.310	3.92
74)	T	N-amyl acetate	1.826	1.594	1.537	1.524	1.570	1.508	1.593	7.41
75)	P	1,1,2,2-Tetrac...	1.519	1.380	1.301	1.270	1.280	1.205	1.326	8.31
76)	T	1,2,3-Trichlor...	1.438	1.273	1.250	1.156	1.221	1.174	1.252	8.10
77)	T	Bromobenzene	1.151	1.014	0.936	0.921	0.952	0.927	0.984	9.00
78)	T	n-propylbenzene	5.019	5.202	4.991	4.959	5.112	5.205	5.081	2.11
79)	T	2-Chlorotoluene	3.000	3.130	2.998	3.021	3.013	3.031	3.032	1.63
80)	T	1,3,5-Trimethy...	3.433	3.704	3.638	3.665	3.619	3.675	3.622	2.68
81)	T	trans-1,4-Dich...		0.352	0.398	0.351	0.395	0.462	0.392	11.55
82)	T	4-Chlorotoluene	3.168	3.174	2.978	2.908	2.930	2.943	3.017	4.03
83)	T	tert-Butylbenzene	2.964	3.375	3.153	3.134	3.214	3.134	3.162	4.22
84)	T	1,2,4-Trimethy...	3.198	3.755	3.651	3.596	3.586	3.589	3.563	5.33
85)	T	sec-Butylbenzene	4.089	4.585	4.511	4.522	4.608	4.649	4.494	4.56
86)	T	p-Isopropyltol...	3.142	3.559	3.652	3.601	3.725	3.818	3.583	6.55
87)	T	1,3-Dichlorobe...	2.052	1.872	1.736	1.718	1.771	1.765	1.819	6.92
88)	T	1,4-Dichlorobe...	2.008	1.852	1.741	1.719	1.758	1.752	1.805	6.08
89)	T	n-Butylbenzene	3.027	3.379	3.272	3.236	3.352	3.506	3.296	4.90
90)	T	Hexachloroethane	0.442	0.574	0.618	0.601	0.635	0.662	0.589	13.24
91)	T	1,2-Dichlorobe...	1.552	1.844	1.700	1.715	1.707	1.678	1.699	5.48
92)	T	1,2-Dibromo-3-...	0.300	0.256	0.251	0.242	0.250	0.241	0.257	8.55
93)	T	1,2,4-Trichlor...	1.167	0.973	0.942	0.912	0.972	0.991	0.993	9.03
94)	T	Hexachlorobuta...	0.437	0.381	0.406	0.392	0.425	0.433	0.412	5.56
95)	T	Naphthalene	4.028	3.738	3.173	3.176	3.294	3.099	3.418	11.03
96)	T	1,2,3-Trichlor...	1.053	1.007	0.941	0.924	0.973	0.936	0.972	5.12

(#) = Out of Range

Chloromethane

Response Ratio



$$\text{Response} = 5.817\text{e-}001 * \text{Amt} + 2.161\text{e-}002$$

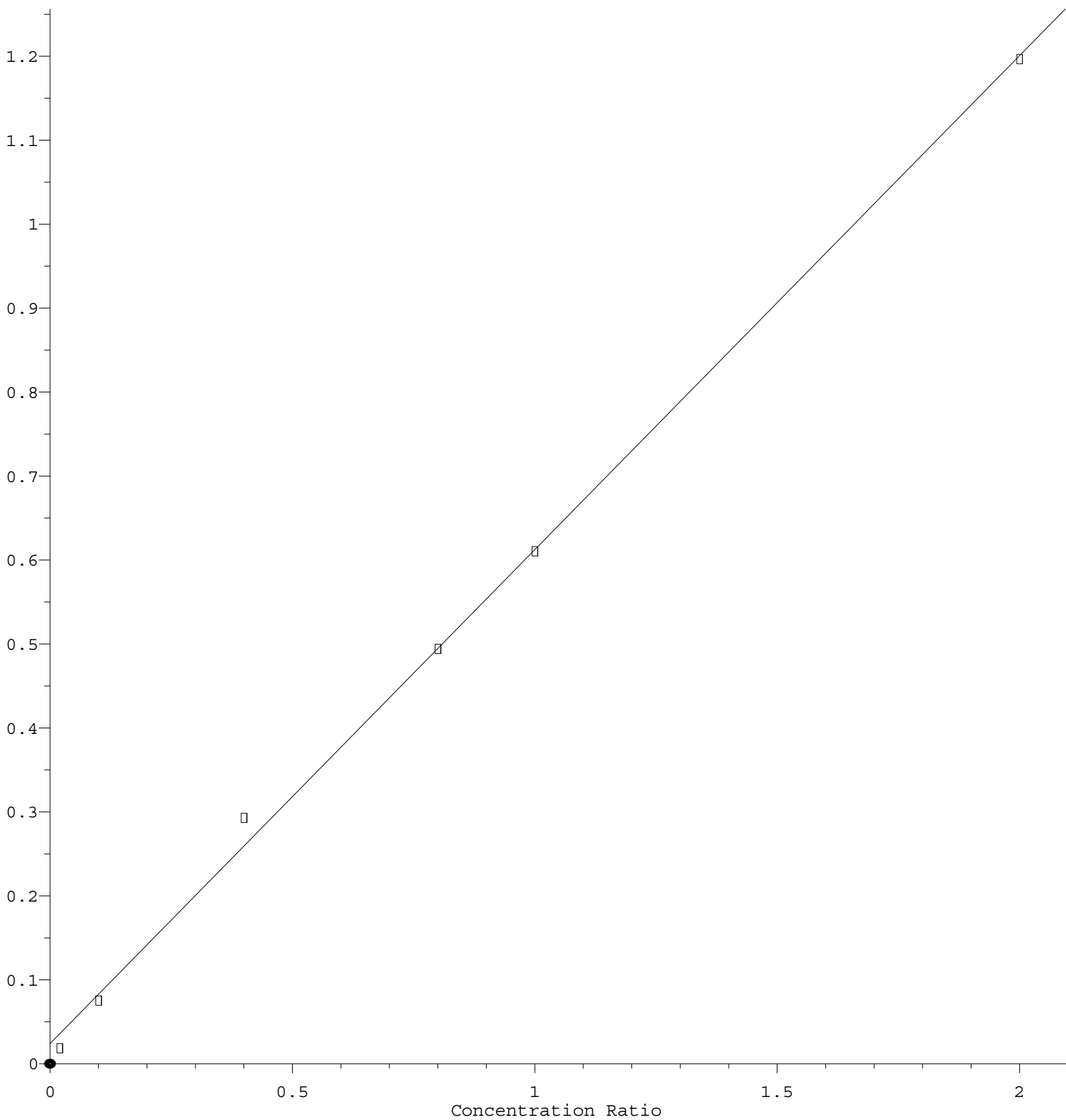
Coef of Det (r^2) = 0.998996 Curve Fit: Linear

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Calibration Table Last Updated: Tue May 16 04:07:42 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 5.884\text{e-}001 * \text{Amt} + 2.421\text{e-}002$$

Coef of Det (r^2) = 0.998392 Curve Fit: Linear

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