

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D101123S.M
 Title : SW846 8260
 Last Update : Thu Oct 12 14:39:07 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD077308.D 20 =VD077310.D 50 =VD077311.D 100 =VD077312.D 150 =VD077313.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----						
2) T	Dichlorodifluo...	0.489	0.463	0.444	0.437	0.458	0.458	4.43
3) P	Chloromethane	0.728	0.746	0.784	0.659	0.699	0.723	6.51
4) C	Vinyl Chloride	0.830	0.799	0.867	0.784	0.724	0.801	6.68#
5) T	Bromomethane	0.582	0.512	0.614	0.592	0.585	0.577	6.68
6) T	Chloroethane	0.523	0.522	0.587	0.585	0.493	0.542	7.73
7) T	Trichlorofluor...	0.910	0.763	0.958	0.946	0.727	0.861	12.54
8) T	Diethyl Ether	0.294	0.278	0.319	0.324	0.276	0.298	7.56
9) T	1,1,2-Trichlor...	0.586	0.588	0.597	0.579	0.617	0.593	2.51
10) T	Methyl Iodide	0.590	0.677	0.824	0.817	0.853	0.752	15.11
11) T	Tert butyl alc...	0.028	0.030	0.031	0.031	0.031	0.030	5.05
12) CM	1,1-Dichloroet...	0.545	0.532	0.592	0.596	0.628	0.579	6.84#
13) T	Acrolein	0.015	0.019	0.050	0.050	0.056	0.038	50.91
14) T	Allyl chloride	0.654	0.747	0.841	0.845	0.888	0.795	11.84
15) T	Acrylonitrile	0.127	0.136	0.145	0.148	0.154	0.142	7.53
16) T	Acetone	0.136	0.118	0.122	0.119	0.120	0.123	5.94
17) T	Carbon Disulfide	1.604	1.549	1.886	1.838	1.930	1.761	9.81
18) T	Methyl Acetate	0.457	0.465	0.512	0.519	0.535	0.498	6.96
19) T	Methyl tert-bu...	1.072	1.200	1.382	1.396	1.461	1.302	12.39
20) T	Methylene Chlo...	2.469	0.981	0.861	0.788	0.781	1.176	61.83
21) T	trans-1,2-Dich...	0.672	0.634	0.719	0.701	0.736	0.693	5.83
22) T	Diisopropyl ether	1.487	1.730	1.951	1.927	1.951	1.809	11.19
23) T	Vinyl Acetate	0.675	0.781	0.913	0.936	0.954	0.852	14.08
24) P	1,1-Dichloroet...	1.116	1.126	1.235	1.219	1.256	1.190	5.44
25) T	2-Butanone	0.146	0.159	0.168	0.175	0.176	0.165	7.59
26) T	2,2-Dichloropr...	0.878	0.903	0.985	0.989	1.027	0.957	6.58
27) T	cis-1,2-Dichlo...	0.700	0.705	0.801	0.802	0.838	0.769	8.17
28) T	Bromochloromet...	0.422	0.449	0.503	0.481	0.499	0.471	7.33
29) T	Tetrahydrofuran	0.083	0.094	0.105	0.108	0.109	0.100	11.30
30) C	Chloroform	1.160	1.170	1.267	1.220	1.264	1.216	4.13#
31) T	Cyclohexane	0.986	0.881	0.959	0.951	0.995	0.954	4.70
32) T	1,1,1-Trichlor...	0.932	0.945	1.005	0.976	1.040	0.980	4.53
33) S	1,2-Dichloroet...	0.394	0.399	0.386	0.388	0.399	0.393	1.48
34) I	1,4-Difluorobenzene	-----ISTD-----						
35) S	Dibromofluorom...	0.249	0.278	0.257	0.252	0.266	0.260	4.57
36) T	1,1-Dichloropr...	0.448	0.463	0.513	0.501	0.507	0.487	5.98
37) T	Ethyl Acetate	0.177	0.195	0.213	0.218	0.212	0.203	8.31
38) T	Carbon Tetrach...	0.400	0.429	0.454	0.448	0.459	0.438	5.51
39) T	Methylcyclohexane	0.474	0.505	0.606	0.584	0.619	0.558	11.53
40) TM	Benzene	1.344	1.400	1.582	1.536	1.551	1.483	7.04
41) T	Methacrylonitrile	0.084	0.104	0.115	0.120	0.105	0.106	13.00
42) TM	1,2-Dichloroet...	0.346	0.341	0.374	0.357	0.349	0.353	3.64
43) T	Isopropyl Acetate	0.293	0.340	0.383	0.391	0.388	0.359	11.77
44) TM	Trichloroethene	0.358	0.346	0.373	0.378	0.378	0.366	3.82
45) C	1,2-Dichloropr...	0.342	0.367	0.407	0.395	0.389	0.380	6.79#
46) T	Dibromomethane	0.187	0.203	0.209	0.206	0.204	0.202	4.35
47) T	Bromodichlorom...	0.447	0.487	0.516	0.497	0.498	0.489	5.21
48) T	Methyl methacr...	0.138	0.168	0.183	0.184	0.182	0.171	11.36
49) T	1,4-Dioxane	0.001	0.002	0.002	0.002	0.002	0.002	17.78
50) S	Toluene-d8	0.778	0.887	0.889	0.893	0.919	0.873	6.26
51) T	4-Methyl-2-Pen...	0.147	0.185	0.203	0.206	0.199	0.188	12.90
52) CM	Toluene	0.787	0.877	0.994	0.966	0.964	0.918	9.30#
53) T	t-1,3-Dichloro...	0.391	0.436	0.502	0.498	0.503	0.466	10.87
54) T	cis-1,3-Dichlo...	0.491	0.548	0.618	0.609	0.613	0.576	9.57
55) T	1,1,2-Trichlor...	0.245	0.266	0.290	0.284	0.279	0.273	6.58
56) T	Ethyl methacry...	0.238	0.306	0.355	0.361	0.353	0.322	16.15

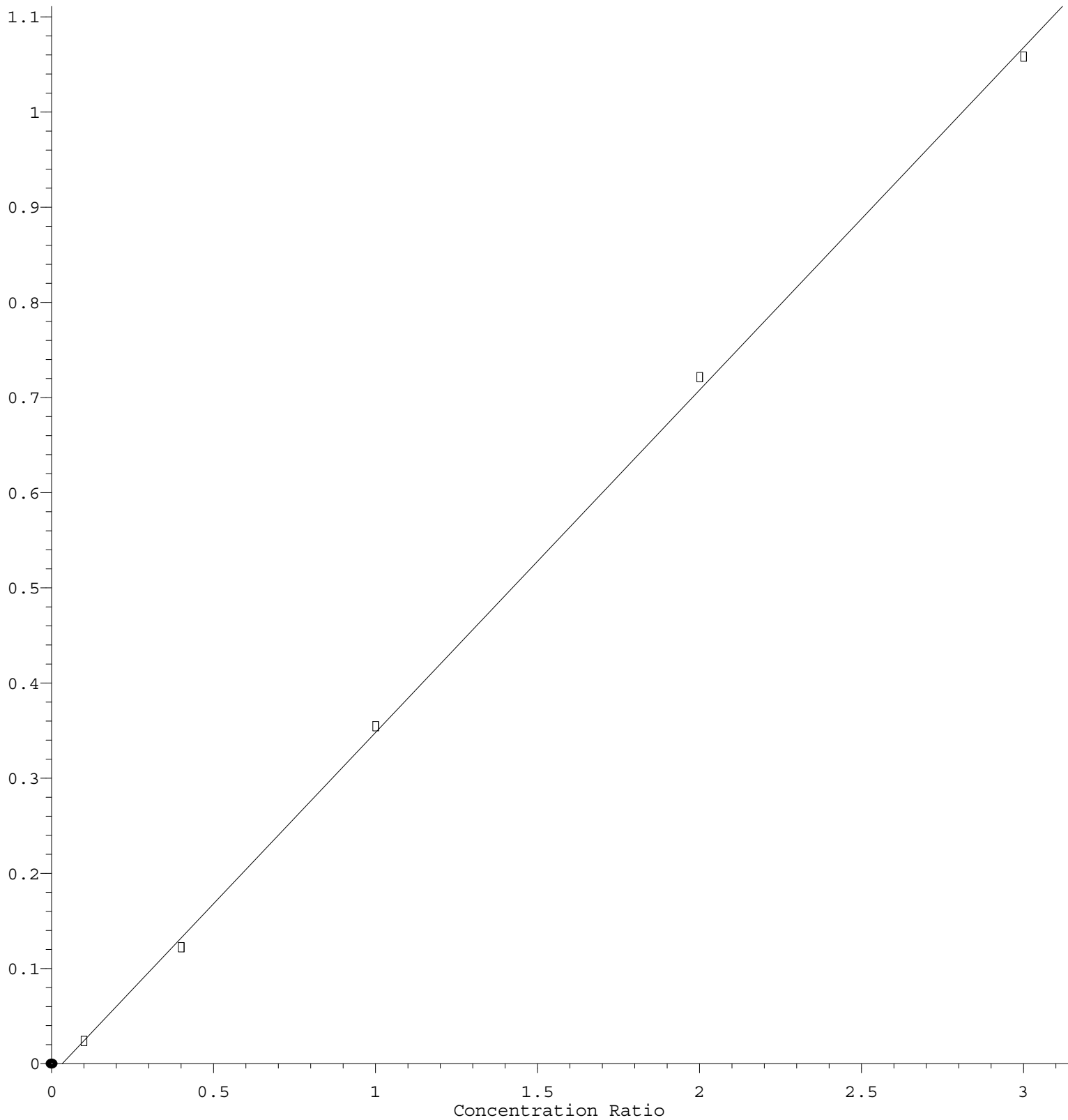
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57)	T	1,3-Dichloropr...	0.418	0.458	0.492	0.490	0.485	0.469	6.72
58)	T	2-Chloroethyl ...	0.104	0.149	0.175	0.178	0.179	0.157	20.53
59)	T	2-Hexanone	0.105	0.131	0.144	0.147	0.141	0.133	12.81
60)	T	Dibromochlorom...	0.276	0.312	0.336	0.324	0.314	0.312	7.16
61)	T	1,2-Dibromoethane	0.221	0.244	0.271	0.265	0.257	0.252	7.92
62)	S	4-Bromofluorob...	0.283	0.303	0.290	0.291	0.299	0.293	2.69
-----ISTD-----									
63)	I	Chlorobenzene-d5							
64)	T	Tetrachloroethene	0.322	0.298	0.327	0.316	0.318	0.316	3.53
65)	PM	Chlorobenzene	0.964	1.001	1.106	1.045	1.056	1.035	5.23
66)	T	1,1,1,2-Tetrac...	0.356	0.349	0.381	0.372	0.376	0.367	3.71
67)	C	Ethyl Benzene	1.646	1.747	2.022	1.983	2.026	1.885	9.35#
68)	T	m/p-Xylenes	0.611	0.683	0.783	0.750	0.770	0.719	9.94
69)	T	o-Xylene	0.569	0.618	0.733	0.716	0.726	0.672	11.08
70)	T	Styrene	0.935	1.098	1.304	1.223	1.251	1.162	12.73
71)	P	Bromoform	0.162	0.182	0.203	0.190	0.188	0.185	8.21
-----ISTD-----									
72)	I	1,4-Dichlorobenzen...							
73)	T	Isopropylbenzene	3.220	3.470	3.961	3.990	4.176	3.764	10.64
74)	T	N-amyl acetate	0.644	0.731	0.838	0.860	0.840	0.782	11.83
75)	P	1,1,2,2-Tetrac...	0.701	0.718	0.763	0.766	0.740	0.738	3.83
76)	T	1,2,3-Trichlor...	0.495	0.487	0.494	0.602	0.511	0.518	9.28
77)	T	Bromobenzene	0.786	0.809	0.876	0.877	0.879	0.845	5.26
78)	T	n-propylbenzene	4.148	4.458	5.039	4.958	5.144	4.749	8.99
79)	T	2-Chlorotoluene	2.206	2.425	2.700	2.663	2.755	2.550	9.02
80)	T	1,3,5-Trimethy...	2.578	2.980	3.307	3.263	3.428	3.111	10.94
81)	T	trans-1,4-Dich...	0.195	0.223	0.246	0.244	0.250	0.232	9.88
82)	T	4-Chlorotoluene	2.388	2.554	2.845	2.789	2.822	2.680	7.47
83)	T	tert-Butylbenzene	2.183	2.429	2.779	2.727	2.934	2.610	11.52
84)	T	1,2,4-Trimethy...	2.602	2.940	3.361	3.318	3.476	3.140	11.51
85)	T	sec-Butylbenzene	3.471	3.807	4.384	4.211	4.494	4.073	10.46
86)	T	p-Isopropyltol...	2.642	3.143	3.610	3.526	3.829	3.350	13.94
87)	T	1,3-Dichlorobe...	1.660	1.700	1.872	1.796	1.872	1.780	5.47
88)	T	1,4-Dichlorobe...	1.732	1.680	1.780	1.753	1.792	1.747	2.55
89)	T	n-Butylbenzene	2.841	3.048	3.486	3.376	3.654	3.281	10.09
90)	T	Hexachloroethane	0.628	0.607	0.680	0.650	0.698	0.652	5.70
91)	T	1,2-Dichlorobe...	1.488	1.466	1.571	1.543	1.591	1.532	3.49
92)	T	1,2-Dibromo-3-...	0.089	0.089	0.102	0.104	0.101	0.097	7.56
93)	T	1,2,4-Trichlor...	0.892	0.841	0.974	0.982	0.999	0.937	7.26
94)	T	Hexachlorobuta...	0.461	0.419	0.482	0.461	0.496	0.464	6.23
95)	T	Naphthalene	1.485	1.575	1.902	2.041	2.089	1.818	15.05
96)	T	1,2,3-Trichlor...	0.790	0.751	0.860	0.854	0.875	0.826	6.43

(#) = Out of Range

Ethyl methacrylate

Response Ratio



$$\text{Response} = 3.600\text{e-}001 * \text{Amt} - 1.189\text{e-}002$$

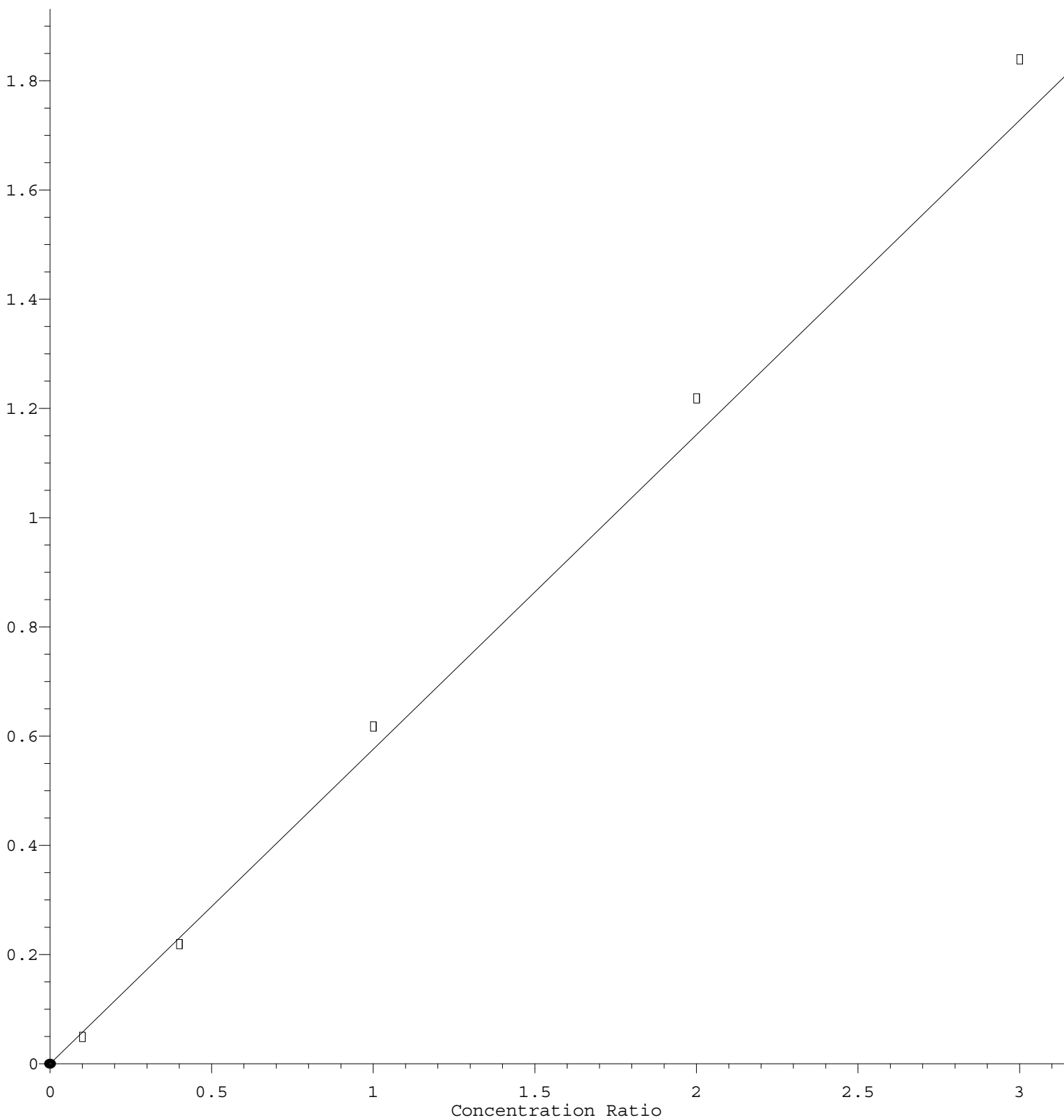
Coef of Det (r^2) = 0.999448 Curve Fit: Linear

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Calibration Table Last Updated: Thu Oct 12 14:39:07 2023

cis-1,3-Dichloropropene

Response Ratio



$$\text{Response} = 5.758\text{e-}001 * \text{Amt}$$

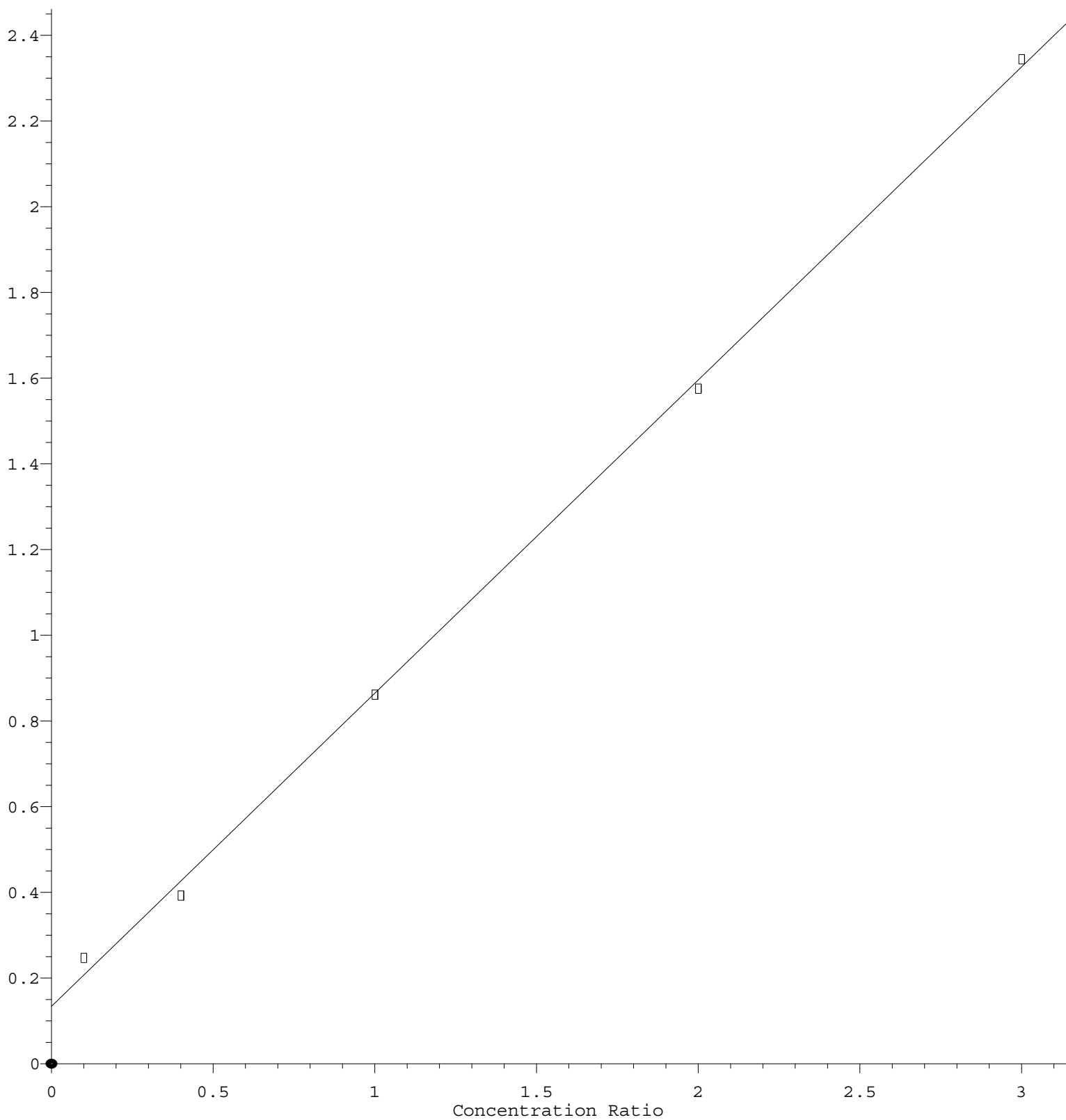
RF Rel Std Dev = 9.575% Curve Fit: Avg RF

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Methylene Chloride

Response Ratio



$$\text{Response} = 7.307\text{e-}001 * \text{Amt} + 1.341\text{e-}001$$

Coef of Det (r^2) = 0.998869 Curve Fit: Linear

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Calibration Table Last Updated: Thu Oct 12 14:39:07 2023