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TITLE ELISA Ricin

Project No. _____

Book No. _____

From Page No. ____

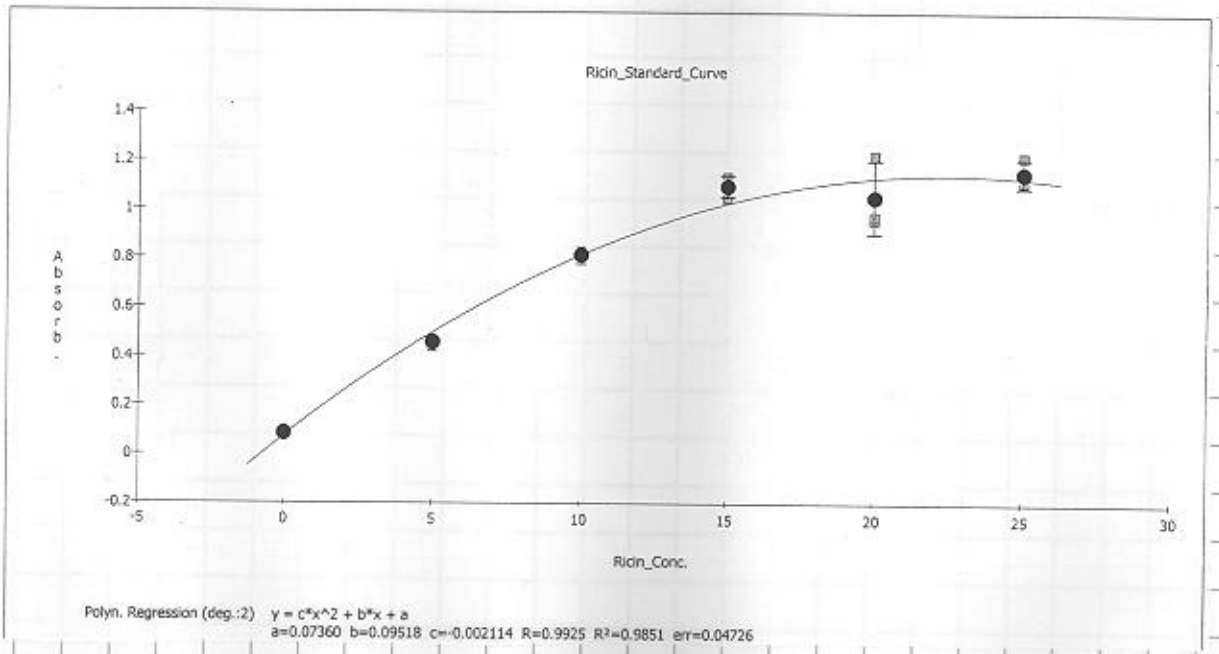
Experiment No. 52

pH 3.5 80°C 200m 2x4min 1st Plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.094	0.084	0.086	0.442	0.470	0.466	0.797	0.820	0.831	1.051	1.110	1.137
B												
C	1.228	0.962	0.976	1.118	1.124	1.224	0.155	0.164	0.155	0.160	0.158	0.174
D												
E	0.251	0.217	0.219	0.191	0.206	0.201	0.159	0.176	0.162	0.195	0.196	0.217
F												
G	0.297	0.296	0.281	0.194	0.213	0.212	0.273	0.289	0.283	0.245	0.253	0.273
H												

STANDARD CURVE



Polyn. Regression (deg.:2) y = c*x^2 + b*x + a
a=0.07360 b=0.09518 c=-0.002114 R=0.9925 R²=0.9851 err=0.04726

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STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	100.00	C7	0.8723	87.230	3	90.514	5.6883	6.2845
			C8	0.9708	97.082				
			C9	0.8723	87.230				
SPL2	1	100.00	C10	0.9270	92.700	3	97.102	9.5814	9.8674
			C11	0.9051	90.512				
			C12	1.0809	108.09				
SPL3	2	50.000	E1	1.9483	97.415	3	84.880	10.871	12.808
			E2	1.5609	78.047				
			E3	1.5835	79.177				
SPL4	4	50.000	E4	1.2694	63.470	3	68.125	4.2685	6.2656
			E5	1.4371	71.856				
			E6	1.3810	69.049				
SPL5	7	50.000	E7	0.9161	45.803	3	49.465	4.9900	10.088
			E8	1.1030	55.149				
			E9	0.9489	47.444				
SPL6	10	50.000	E10	1.3140	65.701	3	70.002	6.9721	9.9598
			E11	1.3252	66.259				
			E12	1.5609	78.047				
SPL7	15	20.000	G1	2.4843	49.687	3	48.355	2.1059	4.3550
			G2	2.4726	49.451				
			G3	2.2964	45.927				
SPL8	20	20.000	G5	1.5157	30.314	3	28.821	2.3956	8.3120
			G4	1.3029	26.057				
			G6	1.5045	30.090				
SPL9	30	10.000	G7	2.2029	22.029	3	23.043	0.9461	4.1057
			G8	2.3902	23.902				
			G9	2.3197	23.197				
SPL10	40	10.000	G10	1.8795	18.795	3	20.179	1.6666	8.2589
			G11	1.9714	19.714				
			G12	2.2029	22.029				

pH3.5 80°C 0~40min 2ppm 2nd plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.114	0.090	0.088	0.447	0.483	0.478	0.822	0.724	0.740	1.004	1.032	1.039
B												
C	1.271	1.158	1.086	1.288	1.255	1.357	0.166	0.171	0.167	0.169	0.168	0.169
D												
E	0.322	0.245	0.243	0.209	0.225	0.223	0.173	0.183	0.181	0.215	0.206	0.217
F												
G	0.379	0.347	0.330	0.224	0.217	0.217	0.289	0.288	0.284	0.246	0.239	0.268
H												

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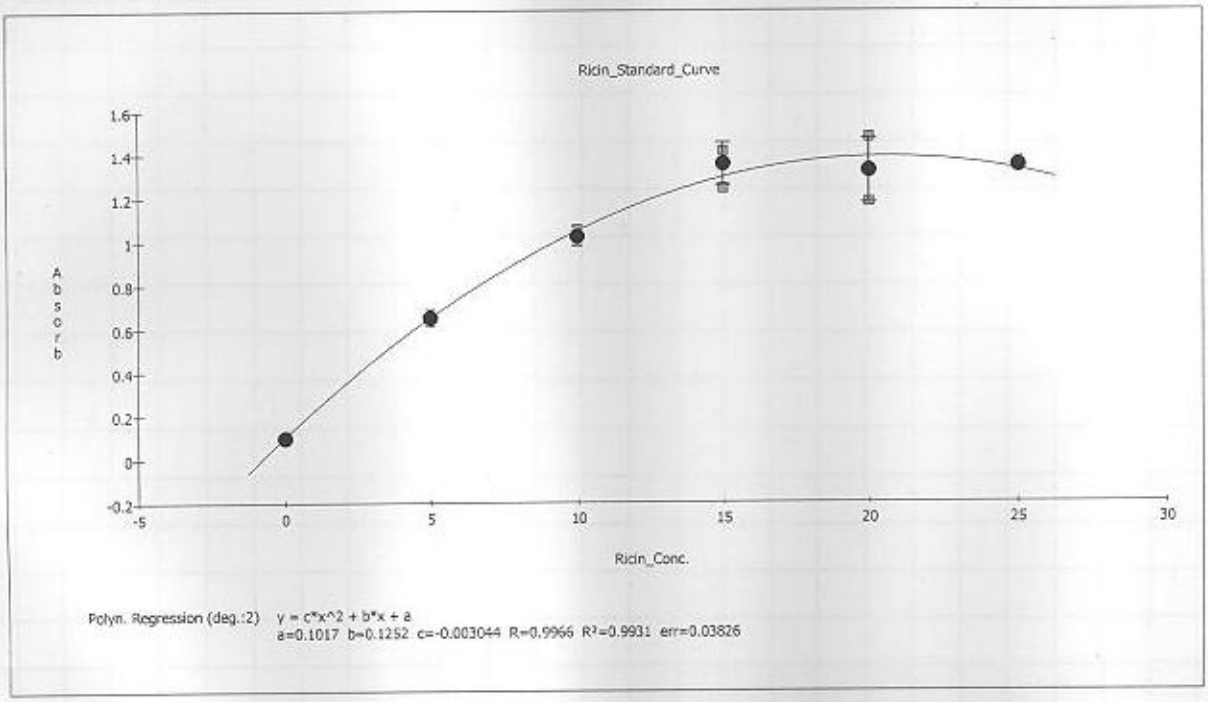
From Page No. ____ Experiment No. 53

pH7.5 75°C oxyomin 2ppm 1st plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.109	0.093	0.100	0.654	0.673	0.637	1.019	1.000	1.058	1.245	1.412	1.417
B												
C	1.480	1.316	1.184	1.346	1.338	1.367	0.070	0.068	0.066	0.108	0.110	0.136
D												
E	0.073	0.064	0.062	0.062	0.070	0.062	0.060	0.060	0.064	0.064	0.063	0.064
F												
G	0.133	0.061	0.065	0.057	0.061	0.053	0.058	0.059	0.055	0.059	0.066	0.086
H												

STANDARD CURVE



Polyn. Regression (deg.:2) y = c*x^2 + b*x + a
a=0.1017 b=0.1252 c=-0.003044 R=0.9966 R²=0.9931 err=0.03826

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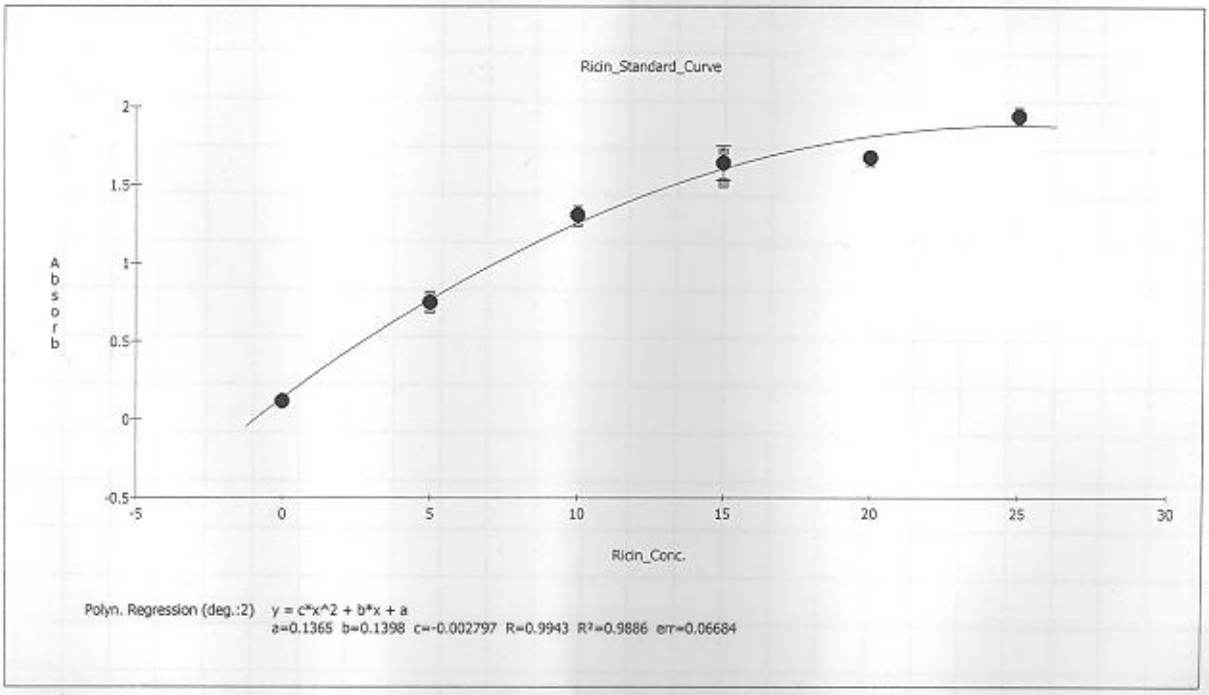
PH7.5 75°C 0~40min 2ppm 2nd plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.132	0.117	0.117	0.759	0.792	0.714	1.266	1.339	1.325	1.518	1.707	1.707
B												
C	1.685	1.697	1.656	1.924	1.937	1.974	0.089	0.089	0.096	0.146	0.145	0.162
D												
E	0.079	0.072	0.076	0.076	0.073	0.083	0.074	0.085	0.072	0.092	0.070	0.068
F												
G	0.080	0.070	0.077	0.071	0.075	0.068	0.061	0.066	0.051	0.068	0.071	0.082
H												

STANDARD CURVE



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Witnessed & Understood by me,	Date 07/10/08	Invented by:	Date
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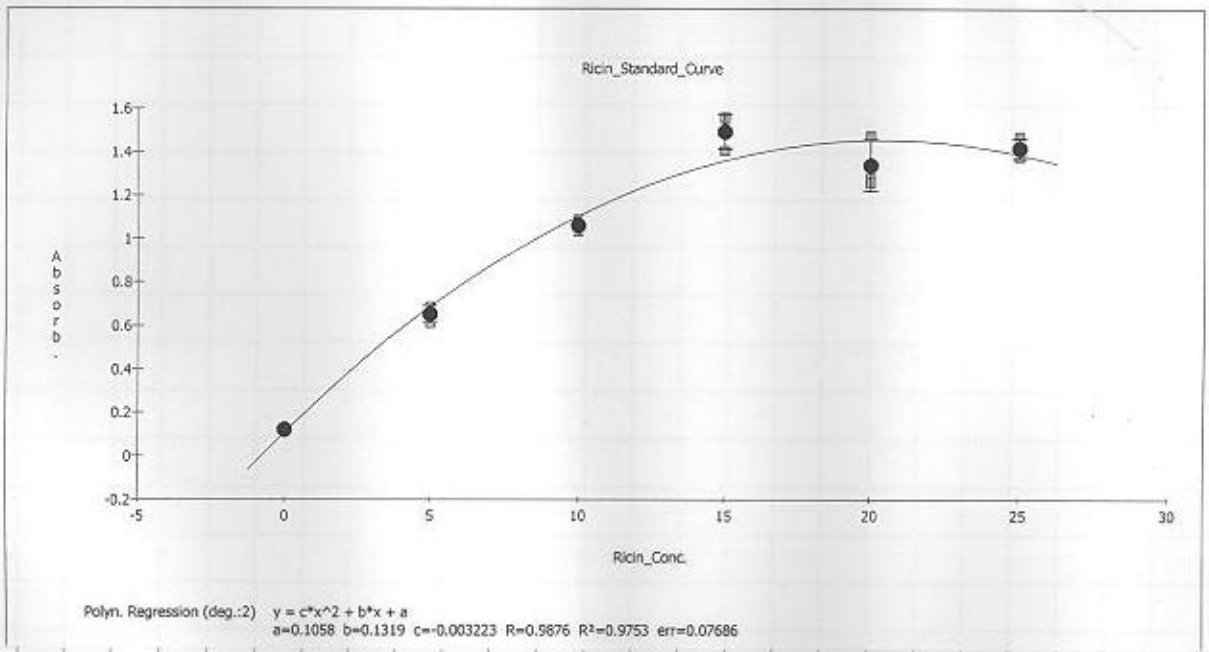
Experiment No. 54

pH 7.5 80°C 20ppm oxyamin 80°C 1st plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.124	0.126	0.118	0.615	0.659	0.689	1.036	1.091	1.061	1.409	1.515	1.565
B												
C	1.479	1.284	1.262	1.407	1.383	1.474	0.118	0.108	0.112	0.123	0.117	0.121
D												
E	0.109	0.088	0.088	0.108	0.112	0.096	0.087	0.093	0.087	0.080	0.083	0.089
F												
G	0.097	0.074	0.068	0.077	0.082	0.078	0.213	0.210	0.194	0.109	0.126	0.117
H												

STANDARD CURVE



Polyn. Regression (deg.:2) y = c*x^2 + b*x + a
a=0.1058 b=0.1319 c=-0.003223 R=0.9876 R²=0.9753 err=0.07686

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STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	100.00	C7	0.09315	9.3153	3	5.2606	3.8266	72.741
			C8	0.01713	1.7126				
			C9	0.04754	4.7537				
SPL2	1	100.00	C10	0.1312	13.117	3	11.089	2.3227	20.945
			C11	0.08555	8.5551				
			C12	0.1160	11.596				
SPL3	2	100.00	E1	0.02473	2.4729	1	2.4729		
			E3	<0	<0				
			E2	<0	<0				
SPL4	4	50.000	E4	0.01713	0.8563	2	1.6166	1.0752	66.509
			E5	0.04754	2.3769				
			E6	<0	<0				
SPL5	7	50.000	E7	<0	<0	0			
			E8	<0	<0				
			E9	<0	<0				
SPL6	10	50.000	E10	<0	<0	0			
			E11	<0	<0				
			E12	<0	<0				
SPL7	15	50.000	G1	<0	<0	0			
			G2	<0	<0				
			G3	<0	<0				
SPL8	20	10.000	G4	<0	<0	0			
			G5	<0	<0				
			G6	<0	<0				
SPL9	30	5.0000	G7	0.8297	4.1486	3	3.8600	0.4019	10.412
			G8	0.8061	4.0304				
			G9	0.6802	3.4010				
SPL10	40	2.0000	G10	0.02473	0.04946	3	0.1763	0.1295	73.452
			G11	0.1541	0.3083				
			G12	0.08555	0.1711				

pH7,5 80°C 20ppm 0n40min 2nd plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.118	0.118	0.130	0.683	0.712	0.739	1.072	1.218	1.147	1.413	1.522	1.678
B												
C	1.738	1.435	1.426	1.580	1.635	1.675	0.115	0.119	0.117	0.128	0.136	0.197
D												
E	0.116	0.099	0.109	0.117	0.118	0.124	0.101	0.094	0.102	0.090	0.098	0.143
F												
G	0.091	0.077	0.101	0.088	0.087	0.084	0.220	0.227	0.220	0.115	0.122	0.155
H												

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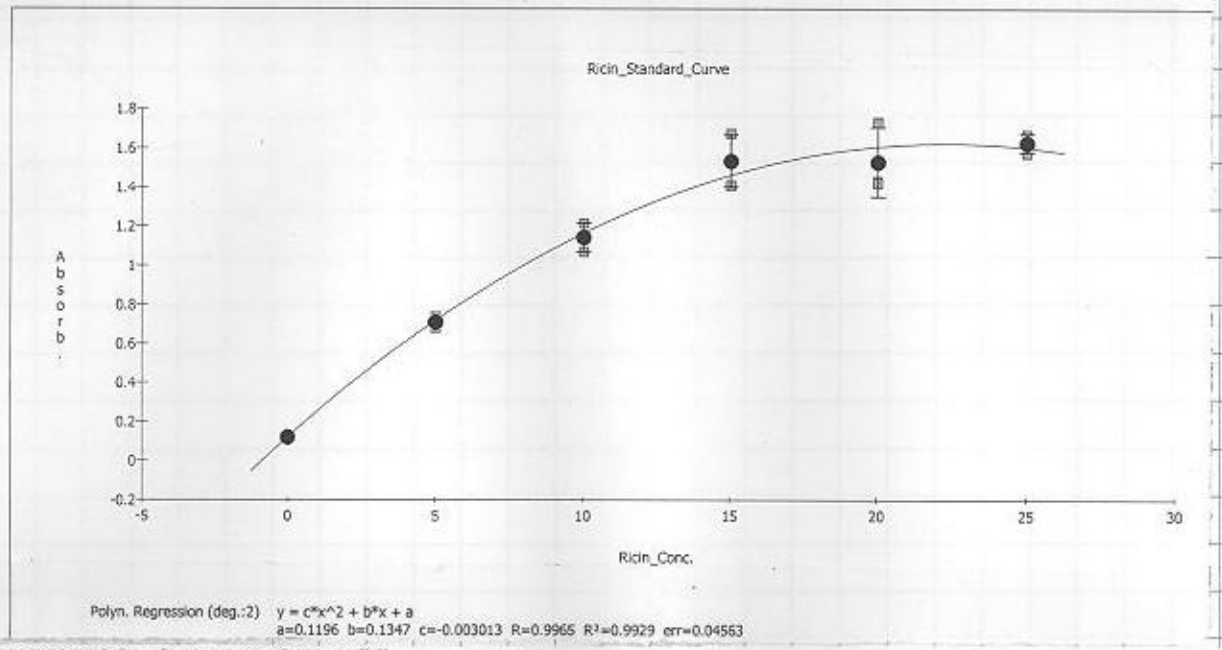
STANDARD CURVE



Polyn. Regression (deg.:2) y = c*x^2 + b*x + a
a=0.1196 b=0.1347 c=-0.003013 R=0.9965 R²=0.9929 err=0.04563

STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	100.00	C7	<0	<0	0			
			C8	<0	<0				
			C9	<0	<0				
SPL2	1	100.00	C10	0.06267	6.2667	3	25.572	28.437	111.20
			C11	0.1222	12.221				
			C12	0.5823	58.228				
SPL3	2	100.00	E1	<0	<0	0			
			E3	<0	<0				
			E2	<0	<0				
SPL4	4	50.000	E4	<0	<0	1	1.6447		
			E5	<0	<0				
			E6	0.03289	1.6447				
SPL5	7	50.000	E7	<0	<0	0			
			E8	<0	<0				
			E9	<0	<0				
SPL6	10	50.000	E10	<0	<0	1	8.7291		
			E11	<0	<0				
			E12	0.1746	8.7291				
SPL7	15	50.000	G1	<0	<0	0			
			G2	<0	<0				
			G3	<0	<0				
SPL8	20	10.000	G4	<0	<0	0			
			G5	<0	<0				
			G6	<0	<0				
SPL9	30	5.0000	G7	0.7583	3.7915	3	3.8811	0.1552	3.9994
			G8	0.8121	4.0603				
			G9	0.7583	3.7915				
SPL10	40	2.0000	G10	<0	<0	2	0.2825	0.3485	123.39
			G11	0.01801	0.03601				
			G12	0.2645	0.5289				

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TITLE Ricin ELISA

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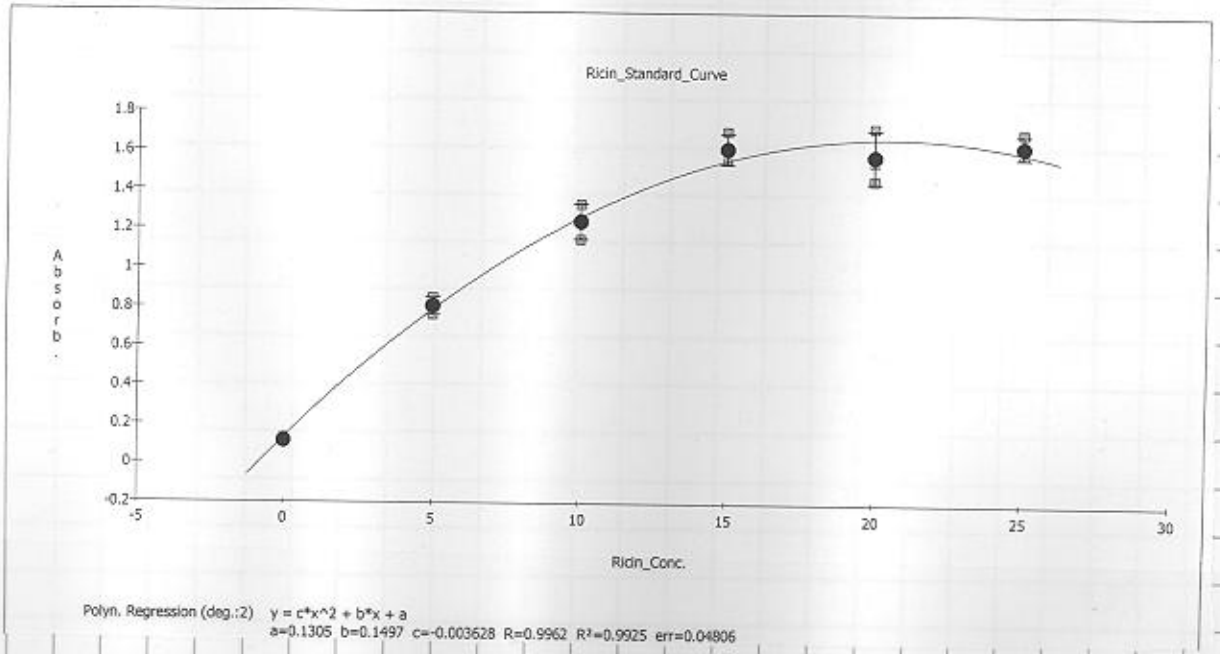
Experiment No. 55

pH 7.5 80°C 20ppm on 60 min 1st plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.134	0.112	0.103	0.814	0.852	0.767	1.249	1.154	1.334	1.580	1.572	1.713
B												
C	1.734	1.560	1.463	1.609	1.710	1.604	0.783	0.710	0.724	0.594	0.630	0.732
D												
E	0.675	0.585	0.580	0.673	0.695	0.531	1.042	1.114	0.965	0.390	0.402	0.422
F												
G	0.783	0.702	0.659	0.382	0.419	0.362	0.330	0.365	0.321	0.176	0.189	0.187
H												

STANDARD CURVE



Polyn. Regression (deg.:2) y = c*x^2 + b*x + a
a=0.1305 b=0.1497 c=-0.003628 R=0.9962 R²=0.9925 err=0.04806

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STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	20.000	C7	4.9537	99.075	3	91.479	6.6847	7.3074
			C8	4.3247	86.493				
			C9	4.4434	88.868				
SPL2	1	20.000	C10	3.3720	67.441	3	76.971	11.846	15.390
			C11	3.6620	73.239				
			C12	4.5117	90.233				
SPL3	2	20.000	E1	4.0314	80.629	3	70.615	8.6812	12.294
			E2	3.3002	66.004				
			E3	3.2606	65.212				
SPL4	4	10.000	E4	4.0148	40.148	3	36.964	7.1638	19.380
			E5	4.1984	41.984				
			E6	2.8760	28.760				
SPL5	7	10.000	E7	7.4256	74.256	3	74.235	7.7743	10.473
			E8	8.1999	81.999				
			E9	6.6450	66.450				
SPL6	10	10.000	E10	1.8133	18.133	3	19.213	1.1917	6.2025
			E11	1.9014	19.014				
			E12	2.0491	20.491				
SPL7	15	5.0000	G1	4.9537	24.769	3	21.850	2.6814	12.272
			G2	4.2571	21.286				
			G3	3.8991	19.496				
SPL8	20	5.0000	G4	1.7548	8.7742	3	8.9853	1.0598	11.795
			G5	2.0270	10.135				
			G6	1.6094	8.0469				
SPL9	30	1.0000	G7	1.3788	1.3788	3	1.4415	0.1673	11.605
			G8	1.6311	1.6311				
			G9	1.3146	1.3146				
SPL10	40	1.0000	G10	0.3063	0.3063	3	0.3607	0.04754	13.183
			G11	0.3946	0.3946				
			G12	0.3810	0.3810				

pH 7.5 80°C 20ppm 0.40 min 2nd plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.086	0.083	0.087	0.699	0.734	0.747	1.185	1.105	1.199	1.348	1.367	1.383
B												
C	1.566	1.431	1.360	1.479	1.614	1.592	0.726	0.718	0.721	0.581	0.632	0.606
D												
E	0.676	0.605	0.530	0.695	0.682	0.574	1.013	0.972	0.983	0.383	0.419	0.364
F												
G	0.703	0.674	0.652	0.403	0.397	0.325	0.311	0.343	0.295	0.181	0.151	0.168
H												

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Witnessed & Understood by me,	Date	Invented by:	Date
	07/15/08	Recorded by:	

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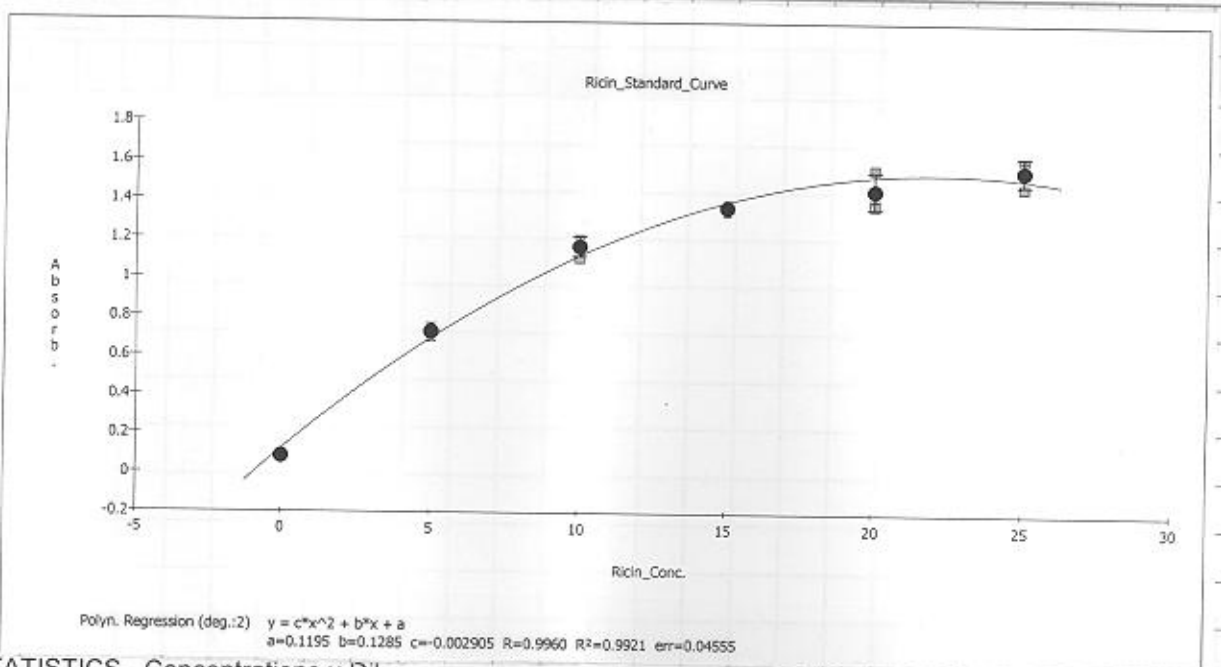

STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	20.000	C7	5.3713	107.43	3	106.54	0.8278	0.7770
			C8	5.2893	105.79				
			C9	5.3201	106.40				
SPL2	1	20.000	C10	3.9422	78.845	3	83.696	4.8947	5.8482
			C11	4.4316	88.633				
			C12	4.1805	83.610				
SPL3	2	20.000	E1	4.8652	97.303	3	83.344	13.997	16.794
			E2	4.1709	83.418				
			E3	3.4655	69.310				
SPL4	4	10.000	E4	5.0558	50.558	3	46.190	6.4673	14.002
			E5	4.9251	49.251				
			E6	3.8760	38.760				
SPL5	7	10.000	E7	8.6396	86.396	3	83.424	2.6620	3.1910
			E8	8.1258	81.258				
			E9	8.2618	82.618				
SPL6	10	10.000	E10	2.1553	21.553	3	22.051	2.4182	10.966
			E11	2.4680	24.680				
			E12	1.9921	19.921				
SPL7	15	5.0000	G1	5.1366	25.683	3	24.349	1.2774	5.2462
			G2	4.8452	24.226				
			G3	4.6274	23.137				
SPL8	20	5.0000	G4	2.3284	11.642	3	10.443	1.8552	17.765
			G5	2.2763	11.382				
			G6	1.6613	8.3063				
SPL9	30	1.0000	G7	1.5439	1.5439	3	1.5892	0.2052	12.913
			G8	1.8133	1.8133				
			G9	1.4105	1.4105				
SPL10	40	1.0000	G10	0.4838	0.4838	3	0.3702	0.1190	32.153
			G11	0.2464	0.2464				
			G12	0.3805	0.3805				

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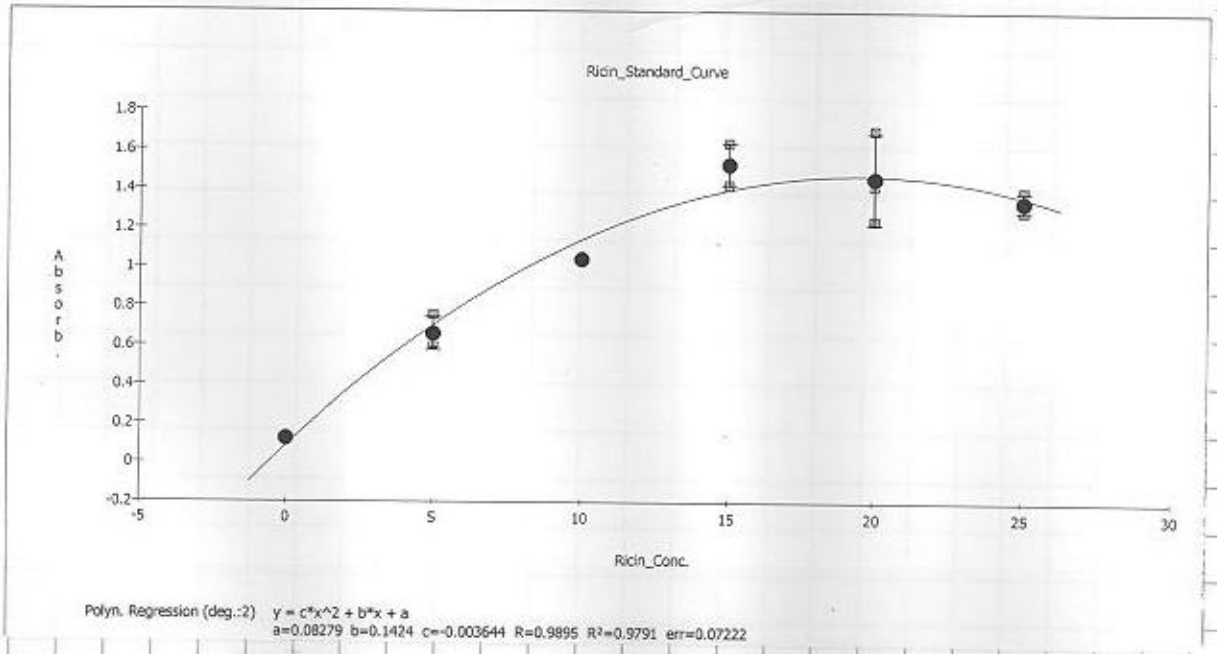
Experiment No. 56

pH 7.5 80°C 20ppm 1st plate on Komin

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.135	0.121	0.114	0.780	0.611	0.618	1.054	1.042	1.039	1.427	1.529	1.642
B												
C	1.710	1.428	1.247	1.399	1.331	1.300	0.385	0.394	0.405	0.390	0.418	0.534
D												
E	0.347	0.317	0.284	0.420	0.376	0.373	0.275	0.304	0.290	0.200	0.197	0.247
F												
G	0.197	0.189	0.218	0.122	0.118	0.121	0.220	0.255	0.224	0.163	0.170	0.183
H												

STANDARD CURVE



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STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	20.000	C7	2.2515	45.029	3	46.569	1.5972	3.4298
			C8	2.3230	46.459				
			C9	2.4109	48.218				
SPL2	1	20.000	C10	2.2912	45.824	3	55.224	12.601	22.818
			C11	2.5153	50.306				
			C12	3.4771	69.542				
SPL3	2	20.000	E1	1.9525	39.050	3	34.269	4.8479	14.146
			E2	1.7201	34.402				
			E3	1.4678	29.357				
SPL4	4	10.000	E4	2.5314	25.314	3	22.894	2.0997	9.1716
			E5	2.1802	21.802				
			E6	2.1565	21.565				
SPL5	7	10.000	E7	1.3996	13.996	3	15.111	1.1035	7.3025
			E8	1.6203	16.203				
			E9	1.5133	15.133				
SPL6	10	10.000	E10	0.8410	8.4104	3	9.4973	2.0763	21.862
			E11	0.8190	8.1900				
			E12	1.1891	11.891				
SPL7	15	5.0000	G1	0.8190	4.0950	3	4.2552	0.5502	12.929
			G2	0.7606	3.8029				
			G3	0.9735	4.8677				
SPL8	20	5.0000	G4	0.2773	1.3865	3	1.3272	0.07393	5.5707
			G5	0.2489	1.2443				
			G6	0.2701	1.3507				
SPL9	30	1.0000	G7	0.9884	0.9884	3	1.0851	0.1427	13.148
			G8	1.2490	1.2490				
			G9	1.0180	1.0180				
SPL10	40	1.0000	G10	0.5716	0.5716	3	0.6369	0.07369	11.571
			G11	0.6223	0.6223				
			G12	0.7168	0.7168				

pH 7.5 80°C 200ppm 0.1%/min 2nd plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.099	0.090	0.092	0.768	0.819	0.811	1.185	1.212	1.136	1.535	1.566	1.699
B												
C	1.616	1.558	1.472	1.667	1.794	1.773	0.482	0.468	0.496	0.445	0.464	0.477
D												
E	0.324	0.323	0.343	0.409	0.464	0.423	0.314	0.299	0.292	0.201	0.204	0.219
F												
G	0.217	0.150	0.154	0.121	0.115	0.115	0.227	0.227	0.239	0.149	0.138	0.137
H												

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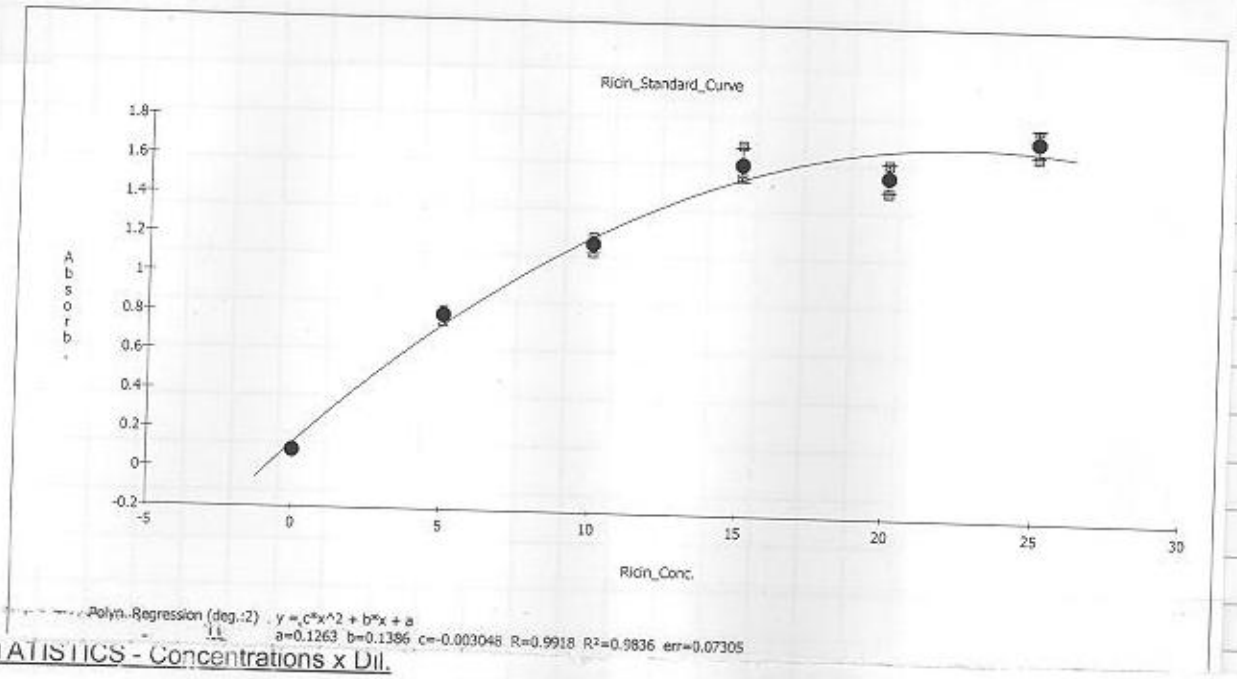

STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	20.000	C7	2.7298	54.596	3	54.600	2.2963	4.2057
			C8	2.6153	52.306				
SPL2	1	20.000	C9	2.8449	56.899	3	51.337	2.6158	5.0953
			C10	2.4288	48.576				
			C11	2.5828	51.656				
SPL3	2	20.000	C12	2.6889	53.778	3	30.409	1.7442	5.7357
			E1	1.4740	29.480				
			E2	1.4663	29.326				
SPL4	4	10.000	E3	1.6211	32.421	3	23.249	2.3021	9.9018
			E4	2.1401	21.401				
			E5	2.5828	25.828				
SPL5	7	10.000	E6	2.2519	22.519	3	13.025	0.8607	6.6082
			E7	1.3970	13.970				
			E8	1.2820	12.820				
SPL6	10	10.000	E9	1.2285	12.285	3	5.9731	0.7150	11.970
			E10	0.5454	5.4542				
			E11	0.5677	5.6765				
SPL7	15	5.0000	E12	0.6789	6.7887	3	1.7276	1.3811	79.943
			G1	0.6640	3.3202				
			G2	0.1717	0.8586				
SPL8	20	5.0000	G3	0.2008	1.0041	0			
			G4	*<0*	*<0*				
			G5	*<0*	*<0*				
SPL9	30	1.0000	G6	*<0*	*<0*	3	0.7684	0.05171	6.7297
			G7	0.7385	0.7385				
			G8	0.7385	0.7385				
SPL10	40	1.0000	G9	0.8281	0.8281	3	0.1088	0.04828	44.354
			G10	0.1644	0.1644				
			G11	0.08467	0.08467				
			G12	0.07743	0.07743				

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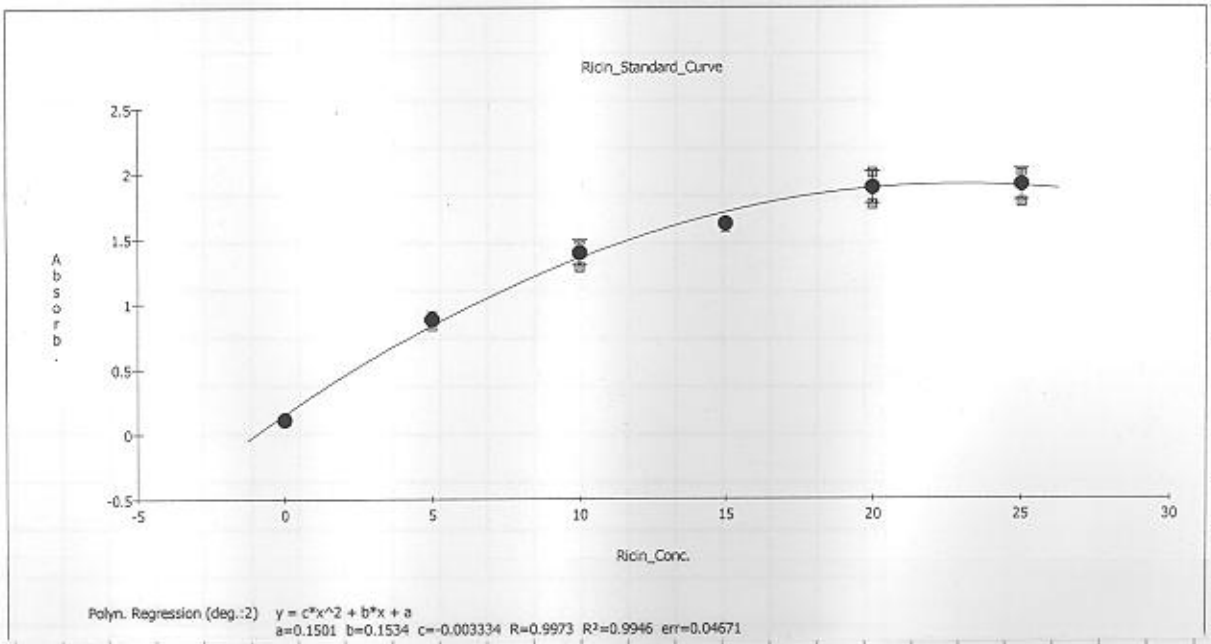
pH 7.5 8[illegible]°C 0~4min 20 ppm 1st plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.119	0.119	0.105	0.839	0.905	0.913	1.444	1.283	1.455	1.588	1.634	1.631
B												
C	1.762	2.005	1.910	1.978	1.994	1.779	0.170	0.158	0.162	0.267	0.275	0.277
D												
E	0.179	0.152	0.171	0.163	0.176	0.154	0.184	0.185	0.170	1.533	1.567	1.417
F												
G	0.137	0.119	0.112	0.121	0.120	0.115	0.179	0.206		0.149	0.164	
H												

STANDARD CURVE



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STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%
SPL1	0	2.0000	C7	0.1298	0.2596	3	0.1725	0.07988	46.31
			C8	0.05138	0.1028				
			C9	0.07753	0.1551				
SPL2	15	2.0000	C10	0.7749	1.5499	3	1.6309	0.07143	4.380
			C11	0.8289	1.6578				
			C12	0.8425	1.6849				
SPL3	30	2.0000	E1	0.1890	0.3780	3	0.2250	0.1816	80.70
			E2	0.01216	0.02432				
			E3	0.1364	0.2728				
SPL4	45	2.0000	E4	0.08406	0.1681	3	0.1857	0.1448	77.99
			E5	0.1693	0.3385				
			E6	0.02523	0.05046				
SPL5	60	2.0000	E7	0.2219	0.4438	3	0.3868	0.1103	28.51
			E8	0.2285	0.4569				
			E9	0.1298	0.2596				
SPL6	90	2.0000	E10	12.307	24.615	3	23.928	2.0929	8.746
			E11	12.795	25.591				
			E12	10.789	21.578				
SPL7	120	2.0000	G1	<0	<0	0			
			G2	<0	<0				
			G3	<0	<0				
SPL8	150	2.0000	G4	<0	<0	0			
			G5	<0	<0				
			G6	<0	<0				
SPL9	180	1.0000	G7	0.1890	0.1890	2	0.2781	0.1260	45.302
			G8	0.3672	0.3672				
SPL10	240	1.0000	G10	<0	<0	1	0.09060		
			G11	0.09060	0.09060				

pH7.5 85°C 0.4min 20ppm 2nd plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.101	0.094	0.101	0.673	0.810	0.779	1.435	1.273	1.282	1.549	1.560	1.665
B												
C	1.527	1.455	1.507	1.581	1.648	1.681	0.147	0.139	0.146	0.223	0.232	0.217
D												
E	0.167	0.132	0.149	0.154	0.150	0.136	0.155	0.176	0.160	1.443	1.480	1.212
F												
G	0.129	0.113	0.106	0.116	0.117	0.110	0.169	0.190		0.152	0.158	
H												

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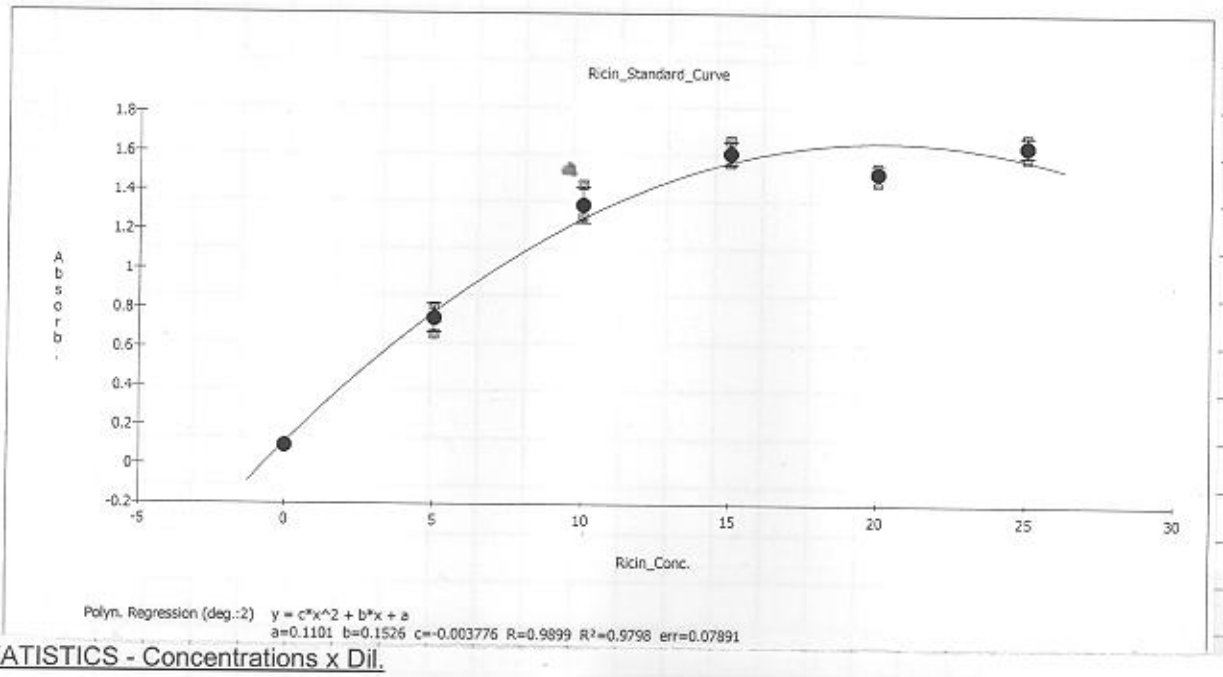

Polym. Regression (deg.:2) y = c*x^2 + b*x + a
a=0.1101 b=0.1526 c=-0.003776 R=0.9899 R²=0.9798 err=0.07891

STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	2.0000	C7	0.2432	0.4864	3	0.4467	0.05770	12.917
			C8	0.1903	0.3805				
			C9	0.2366	0.4732				
SPL2	15	2.0000	C10	0.7539	1.5078	3	1.5214	0.1028	6.7558
			C11	0.8152	1.6303				
			C12	0.7131	1.4261				
SPL3	30	2.0000	E1	0.3763	0.7527	3	0.5178	0.2324	44.887
			E2	0.1439	0.2879				
			E3	0.2565	0.5129				
SPL4	45	2.0000	E4	0.2897	0.5794	3	0.4821	0.1252	25.974
			E5	0.2631	0.5262				
			E6	0.1704	0.3408				
SPL5	60	2.0000	E7	0.2964	0.5927	3	0.7084	0.1464	20.674
			E8	0.4365	0.8730				
			E9	0.3297	0.6594				
SPL6	90	2.0000	E10	12.769	25.538	3	23.761	4.3288	18.218
			E11	13.459	26.919				
			E12	9.4133	18.827				
SPL7	120	2.0000	G1	0.1241	0.2483	2	0.1431	0.1487	103.95
			G2	0.01896	0.03792				
			G3	*<0*	*<0*				
SPL8	150	2.0000	G4	0.03868	0.07736	2	0.08393	9.296E-3	11.076
			G5	0.04525	0.09051				
			G6	*<0*	*<0*				
SPL9	180	1.0000	G7	0.3897	0.3897	2	0.4601	0.09957	21.642
			G8	0.5305	0.5305				
SPL10	240	1.0000	G10	0.2764	0.2764	2	0.2964	0.02828	9.5416
			G11	0.3164	0.3164				

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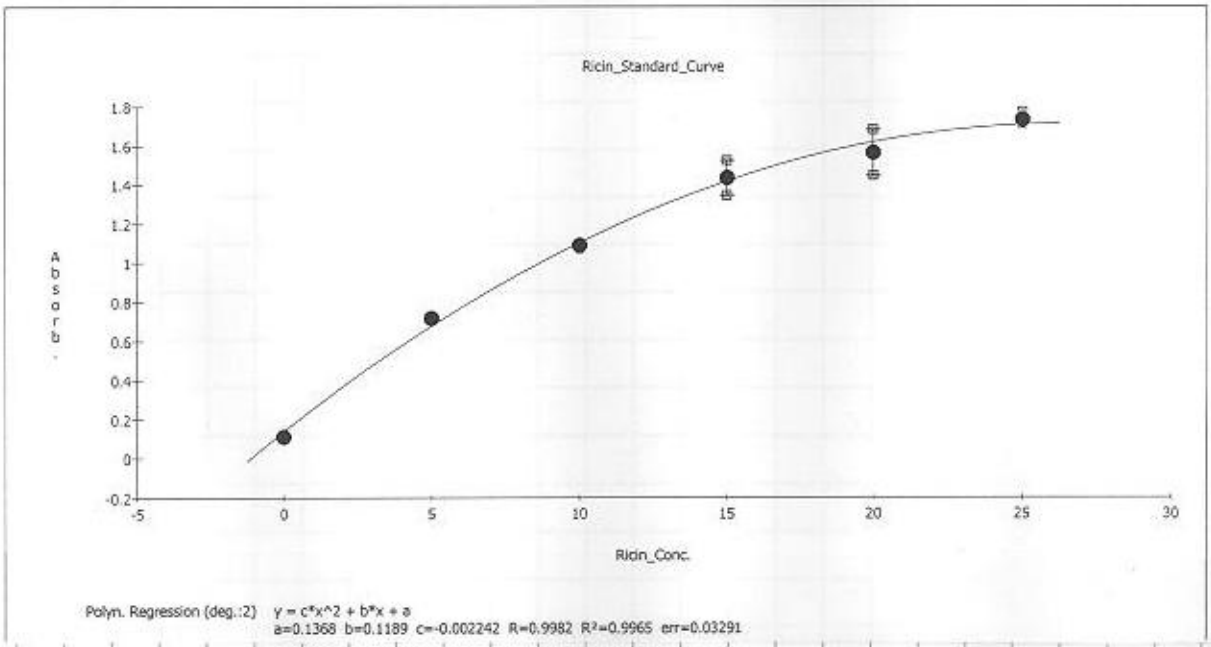
Experiment No. 58

pH 7.5 85°C 0x40 min 20ppm 1st plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.116	0.110	0.113	0.724	0.725	0.704	1.091	1.073	1.105	1.434	1.346	1.525
B												
C	1.560	1.685	1.448	1.716	1.776	1.714	0.283	0.278	0.278	0.256	0.263	0.299
D												
E	0.222	0.202	0.196	0.157	0.180	0.192	0.164	0.180	0.191	2.007	2.080	2.203
F												
G	0.236	0.426	0.251	0.249	0.245	0.242	0.179	0.177	0.181	0.206	0.241	0.239
H												

STANDARD CURVE



Polyn. Regression (deg.:2) $y = c*x^2 + b*x + a$
a=0.1368 b=0.1189 c=-0.002242 R=0.9982 R^2=0.9965 err=0.03291

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STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	2.0000	C7	1.2595	2.5189	3	2.4601	0.05094	2.0706
			C8	1.2153	2.4307				
			C9	1.2153	2.4307				
SPL2	15	2.0000	C10	1.0222	2.0444	3	2.3379	0.4068	17.403
			C11	1.0834	2.1669				
			C12	1.4011	2.8023				
SPL3	30	2.0000	E1	0.7265	1.4529	3	1.1887	0.2345	19.729
			E2	0.5540	1.1080				
			E3	0.5026	1.0052				
SPL4	45	2.0000	E4	0.1703	0.3407	3	0.6696	0.3028	45.215
			E5	0.3658	0.7315				
			E6	0.4683	0.9367				
SPL5	60	2.0000	E7	0.2297	0.4593	3	0.7035	0.2314	32.891
			E8	0.3658	0.7315				
			E9	0.4598	0.9195				
SPL6	90	1.0000	E10	*>26.250*	*>26.250*	0			
			E11	*>26.250*	*>26.250*				
			E12	*>26.250*	*>26.250*				
SPL7	120	1.0000	G1	0.8478	0.8478	3	1.4606	0.9505	65.076
			G2	2.5555	2.5555				
			G3	0.9784	0.9784				
SPL8	150	1.0000	G4	0.9609	0.9609	3	0.9290	0.03057	3.2902
			G5	0.9261	0.9261				
			G6	0.9000	0.9000				
SPL9	180	1.0000	G7	0.3572	0.3572	3	0.3572	0.01704	4.7697
			G8	0.3402	0.3402				
			G9	0.3743	0.3743				
SPL10	240	1.0000	G10	0.5885	0.5885	3	0.7846	0.1700	21.674
			G11	0.8913	0.8913				
			G12	0.8739	0.8739				

pH 7,5 85°C 0-4'-min 20 ppm 2nd plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.081	0.079	0.086	0.616	0.562	0.533	0.846	0.868	0.839	1.186	1.167	1.213
B												
C	1.318	1.188	1.181	1.269	1.333	1.332	0.203	0.196	0.205	0.180	0.181	0.187
D												
E	0.185	0.176	0.173	0.150	0.126	0.147	0.138	0.118	0.112	1.275	1.361	1.533
F												
G	0.178	0.175	0.178	0.173	0.163	0.184	0.140	0.137	0.155	0.146	0.145	0.163
H												

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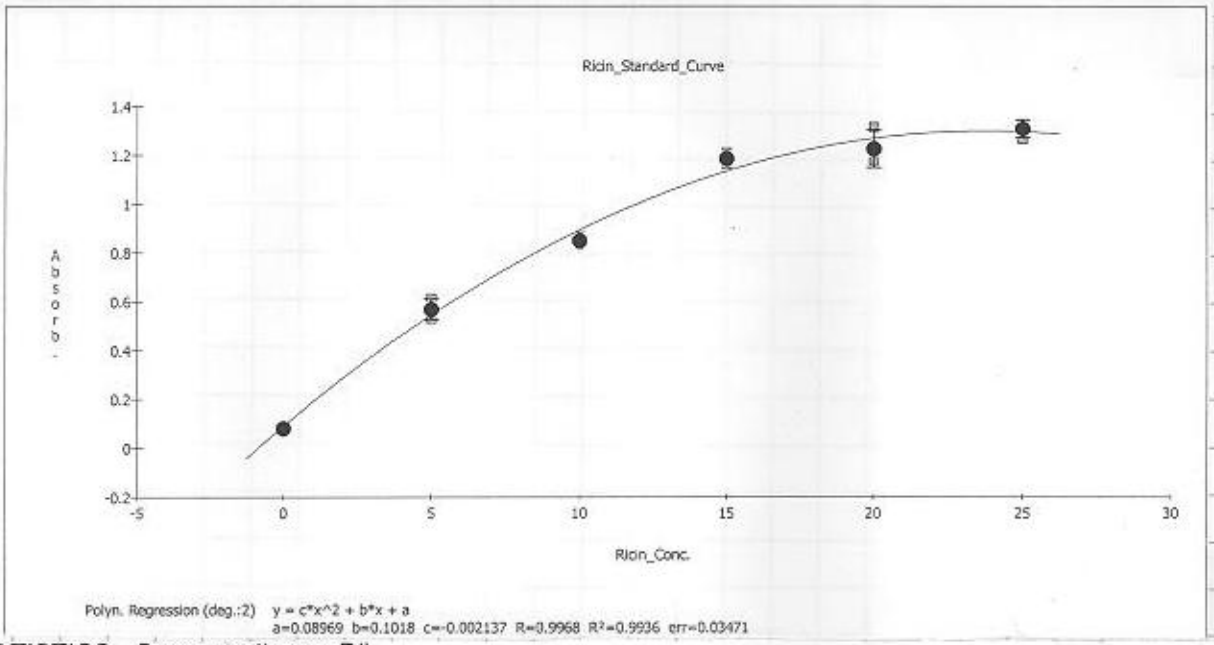

STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	2.0000	C7	1.1409	2.2818	3	2.2475	0.09746	4.3365
			C8	1.0687	2.1375				
			C9	1.1616	2.3231				
SPL2	15	2.0000	C10	0.9047	1.8095	3	1.8640	0.07741	4.1528
			C11	0.9150	1.8299				
			C12	0.9763	1.9526				
SPL3	30	2.0000	E1	0.9558	1.9116	3	1.7687	0.1275	7.2097
			E2	0.8639	1.7278				
			E3	0.8333	1.6666				
SPL4	45	2.0000	E4	0.6003	1.2006	3	1.0200	0.2622	25.708
			E5	0.3596	0.7192				
			E6	0.5701	1.1401				
SPL5	60	2.0000	E7	0.4797	0.9593	3	0.6533	0.2717	41.588
			E8	0.2799	0.5597				
			E9	0.2203	0.4407				
SPL6	90	1.0000	E10	20.304	20.304	1	20.304		
			E11	*OUT*	*?????*				
			E12	*OUT*	*?????*				
SPL7	120	1.0000	G1	0.8843	0.8843	3	0.8741	0.01768	2.0230
			G2	0.8537	0.8537				
			G3	0.8843	0.8843				
SPL8	150	1.0000	G4	0.8333	0.8333	3	0.8369	0.1070	12.782
			G5	0.7317	0.7317				
			G6	0.9456	0.9456				
SPL9	180	1.0000	G7	0.4997	0.4997	3	0.5400	0.09706	17.972
			G8	0.4696	0.4696				
			G9	0.6508	0.6508				
SPL10	240	1.0000	G10	0.5600	0.5600	3	0.6139	0.1022	16.650
			G11	0.5499	0.5499				
			G12	0.7317	0.7317				

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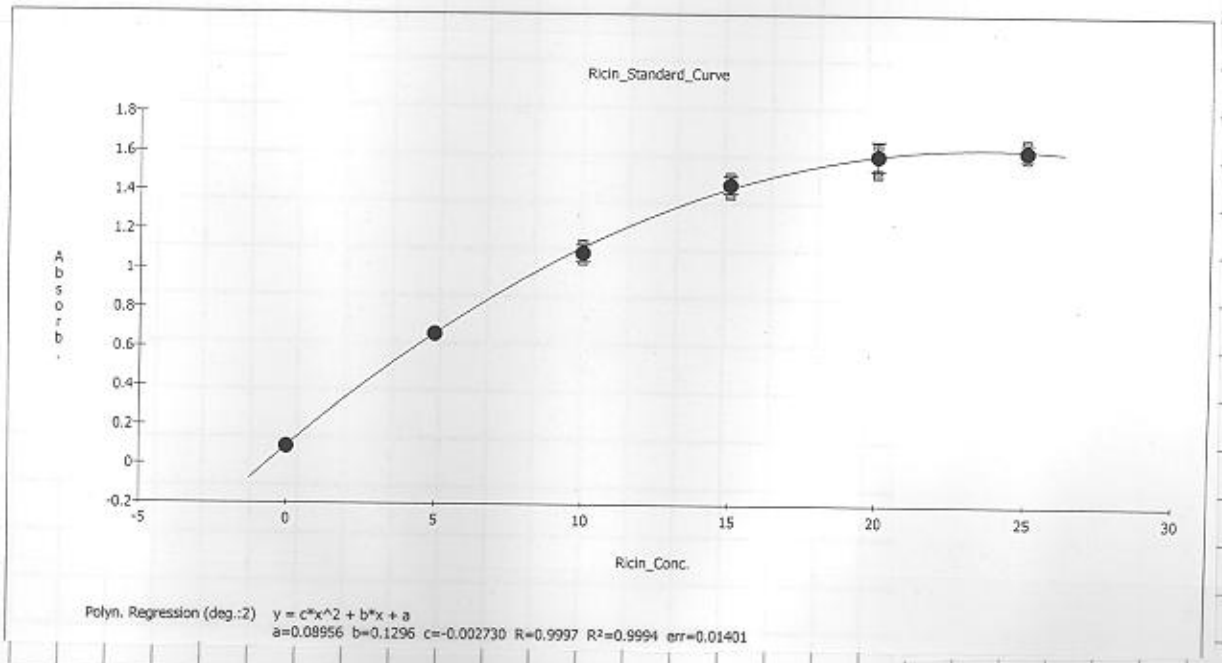
Experiment No. 59

pH8.5 80°C 20ppm 0~40min 1st plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.107	0.087	0.085	0.671	0.686	0.661	1.131	1.078	1.051	1.393	1.447	1.481
B												
C	1.503	1.632	1.640	1.603	1.587	1.661	0.226	0.363	0.550	0.161	0.282	0.512
D												
E	0.222	0.366	0.351	1.309	1.713	1.601	2.004	1.962	1.801	0.400	0.381	0.344
F												
G	0.230	0.207	0.192	0.148	0.160	0.135	0.132	0.150	0.141	0.106	0.114	0.106
H												

STANDARD CURVE



Polyn. Regression (deg.:2) y = c*x^2 + b*x + a
a=0.08956 b=0.1296 c=-0.002730 R=0.9997 R²=0.9994 err=0.01401

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STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	5.0000	C9	3.8689	19.345	3	21.010	1.4719	7.0055
		10.000	C8	2.2136	22.136				
		20.000	C7	1.0775	21.550				
SPL2	1	5.0000	C12	3.5216	17.608	3	14.705	3.2725	22.254
		10.000	C11	1.5349	15.349				
		20.000	C10	0.5579	11.159				
SPL3	2	5.0000	E2	2.2392	11.196	3	10.736	0.4021	3.7454
			E3	2.1117	10.559				
		10.000	E1	1.0452	10.452				
SPL4	4	5.0000	E5	*OUT*	*?????*	2	116.32	18.485	15.892
			E6	20.649	103.25				
		10.000	E4	12.939	129.39				
SPL5	7	5.0000	E7	*OUT*	*?????*	0			
			E8	*OUT*	*?????*				
			E9	*OUT*	*?????*				
SPL6	10	5.0000	E10	2.5309	12.655	3	11.585	1.2159	10.496
			E11	2.3674	11.837				
			E12	2.0525	10.262				
SPL7	15	2.0000	G1	1.1098	2.2197	3	1.8924	0.3079	16.270
			G2	0.9244	1.8489				
			G3	0.8043	1.6085				
SPL8	20	2.0000	G4	0.4555	0.9110	3	0.9059	0.1966	21.706
			G5	0.5500	1.1000				
			G6	0.3534	0.7068				
SPL9	30	1.0000	G7	0.3299	0.3299	3	0.4005	0.07065	17.640
			G8	0.4712	0.4712				
			G9	0.4004	0.4004				
SPL10	40	1.0000	G10	0.1272	0.1272	3	0.1480	0.03593	24.283
			G11	0.1895	0.1895				
			G12	0.1272	0.1272				

pH 6.5 80°C 20ppm 0-40 min 2nd plate

M 405

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.091	0.093	0.087	0.693	0.699	0.710	1.242	1.220	1.140	1.419	1.551	1.532
B												
C	1.635	1.551	1.519	1.462	1.638	1.496	0.216	0.336	0.603	0.172	0.300	0.534
D												
E	0.249	0.346	0.342	1.256	1.755	1.469	2.053	1.978	1.953	0.423	0.461	0.384
F												
G	0.223	0.218	0.205	0.161	0.160	0.140	0.138	0.157	0.130	0.097	0.120	0.106
H												

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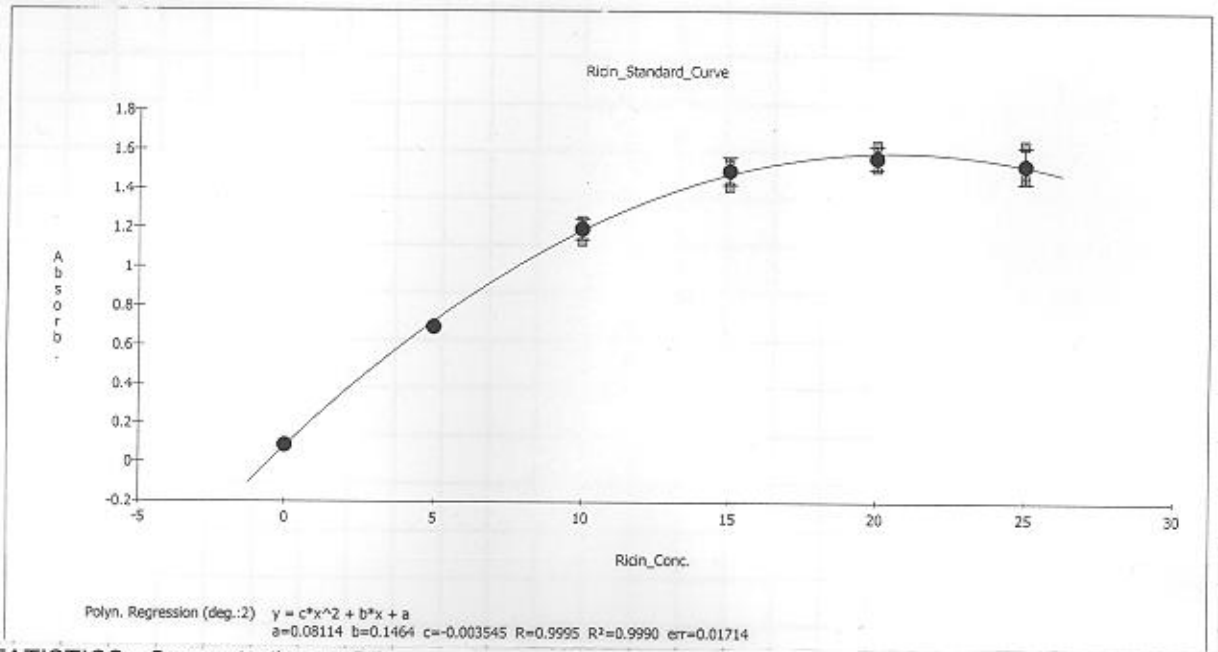
	07/30/08	Recorded by:	

Project No. _____

TITLE _____ Book No. _____

From Pag

STANDARD CURVE



Polyn. Regression (deg.:2) y = c*x^2 + b*x + a
a=0.08114 b=0.1464 c=-0.003545 R=0.9995 R²=0.9990 err=0.01714

STATISTICS - Concentrations x Dil.

Well ID	Name	Conc\Dil	Well	Concentr.	Concentr. x Dil.	Nb	Mean	Std Dev	CV (%)
SPL1	0	5.0000	C9	3.9408	19.704	3	18.924	0.7481	3.9534
		10.000	C8	1.8212	18.212				
		20.000	C7	0.9427	18.855				
SPL2	1	5.0000	C12	3.3681	16.841	3	14.994	2.1680	14.459
		10.000	C11	1.5535	15.535				
		20.000	C10	0.6303	12.607				
SPL3	2	5.0000	E2	1.8963	9.4815	3	10.206	1.3864	13.585
			E3	1.8663	9.3314				
		10.000	E1	1.1804	11.804				
SPL4	4	5.0000	E5	*OUT*	*?????*	2	91.377	24.978	27.335
			E6	14.743	73.715				
		10.000	E4	10.904	109.04				
SPL5	7	5.0000	E7	*OUT*	*?????*	0			
			E8	*OUT*	*?????*				
			E9	*OUT*	*?????*				
SPL6	10	5.0000	E10	2.4846	12.423	3	12.418	1.4947	12.036
			E11	2.7822	13.911				
			E12	2.1843	10.922				
SPL7	15	2.0000	G1	0.9929	1.9859	3	1.8761	0.1329	7.0812
			G2	0.9570	1.9140				
			G3	0.8642	1.7284				
SPL8	20	2.0000	G4	0.5529	1.1058	3	1.0032	0.1657	16.515
			G5	0.5459	1.0917				
			G6	0.4060	0.8121				
SPL9	30	1.0000	G7	0.3921	0.3921	3	0.4179	0.09675	23.153
			G8	0.5249	0.5249				
			G9	0.3366	0.3366				
SPL10	40	1.0000	G10	0.1087	0.1087	3	0.1821	0.07988	43.854
			G11	0.2672	0.2672				
			G12	0.1706	0.1706				

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	07/30/08	Recorded by:	