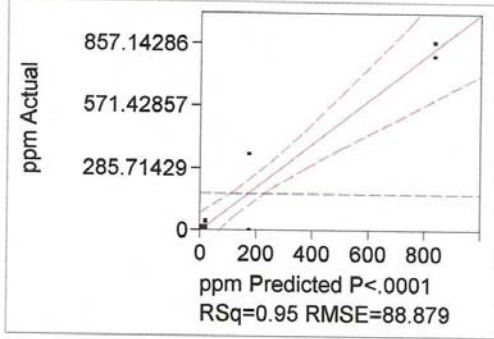


ANEXO 1

Superficie de Respuesta Experimento I

Response ppm
 Singularity Details
 $(mv-250)*(mv-250) = 2500*(pH-2)*(pH-2)$
 Actual by Predicted Plot



Summary of Fit

RSquare	0.94511
RSquare Adj	0.917665
Root Mean Square Error	88.87862
Mean of Response	169.3692
Observations (or Sum Wgts)	13

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	4	1088108.1	272027	34.4364
Error	8	63195.3	7899	Prob > F
C. Total	12	1151303.3		<.0001

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	-1306.19	173.8253	-7.51	<.0001
mv&RS	3.355	0.628467	5.34	0.0007
pH&RS	245.1	31.42334	7.80	<.0001
(mv-250)*(mv-250)	Biased 0.095296	0.020267	4.70	0.0015
(pH-2)*(mv-250)	3.223	0.628467	5.13	0.0009
(pH-2)*(pH-2)	Zeroed 0	0		

Response Surface

Coef	mv	pH	ppm
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Coef	mv	pH	ppm
mv	0.095296	3.223	3.355
pH	.	0	245.1

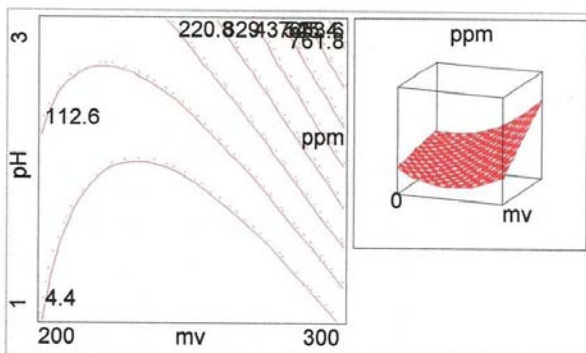
Solution

Variable	Critical Value
mv	173.95284
pH	5.4560908

Solution is a
SaddlePoint
Critical values outside data range
Predicted Value at Solution
318.73481

Contour Profiler

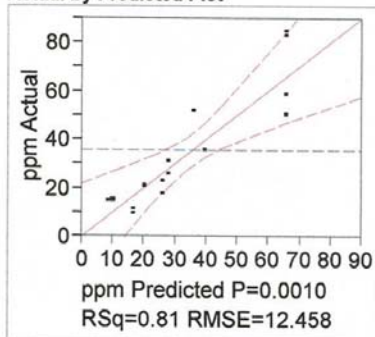
Horiz	Vert	Factor	Current X	
<input checked="" type="radio"/>	<input type="radio"/>	mv	250	
<input type="radio"/>	<input checked="" type="radio"/>	pH	2	
Response	Contour	Current Y	Lo Limit	Hi Limit
ppm	437.2	22.76		



ANEXO 2

Superficie de Respuesta Experimento II

Response ppm
Actual by Predicted Plot



Summary of Fit

RSquare	0.812473
RSquare Adj	0.727233
Root Mean Square Error	12.45813
Mean of Response	35.75294
Observations (or Sum Wgts)	17

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	5	7396.7885	1479.36	9.5316
Error	11	1707.2539	155.20	Prob > F
C. Total	16	9104.0424		0.0010

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	3	486.8659	162.289	1.0638
Pure Error	8	1220.3880	152.549	Prob > F
Total Error	11	1707.2539		0.4168
				Max RSq
				0.8660

Parameter Estimates

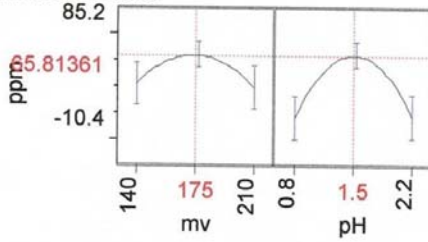
Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	73.454551	28.03972	2.62	0.0238
mv&RS	-0.050336	0.144336	-0.35	0.7339
pH&RS	0.7785235	7.216799	0.11	0.9160

Term	Estimate	Std Error	t Ratio	Prob> t
(mv-175)*(mv-175)	-0.022583	0.007374	-3.06	0.0108
(pH-1.5)*(mv-175)	0.346	0.352369	0.98	0.3472
(pH-1.5)*(pH-1.5)	-115.0292	18.43415	-6.24	<.0001

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
mv&RS	1	1	18.8758	0.1216	0.7339
pH&RS	1	1	1.8062	0.0116	0.9160
mv*mv	1	1	1455.8192	9.3800	0.0108
pH*mv	1	1	149.6450	0.9642	0.3472
pH*pH	1	1	6043.3241	38.9377	<.0001

Prediction Profiler



Contour Profiler

Horiz	Vert	Factor	Current X
<input checked="" type="radio"/>	<input type="radio"/>	mv	175
<input type="radio"/>	<input checked="" type="radio"/>	pH	1.5
Response		Contour	Current Y
ppm		47.4	65.813611
		Lo Limit	Hi Limit

