

Table A1. ANOVA table for DMT-LFD extract

Polynomial description study

The ANOVA Procedure

Class Level Information

Class Levels Values

Factor A 1 2 3

Time B

Number of observations

The ANOVA Procedure

Sum of Squares

Mean Square

F Value

Pr > F

Model 22 16.658425 16.658425 19.26 <.0001

Error 65 6.659870

Corrected Total 90 40.318295

Appendix A

Table A1. ANOVA table for DMT-HFO extracts.

P sorption/desorption study

The ANOVA Procedure

Class Level Information

Class Levels Values

Plevels 3 1 2 3

Time 8 1 2 3 4 5 6 7 8

Number of observations 92

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	22	353.5050836	16.0684129	19.36	<.0001
Error	68	56.4390401	0.8299859		
Corrected Total	90	409.9441237			

R-Square **Coeff Var** **Root MSE** **v1 Mean**
 0.862325 34.99895 0.911036 2.603037

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Plevels	2	31.6969511	15.8484756	19.09	<.0001*
Time	7	217.7451769	31.1064538	37.48	<.0001*
Plevels*time	13	104.0629556	8.0048427	9.64	<.0001*

Number of observations: 81

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	196.7185109	9.8359255	11.66	<.0001
Error	59	25.1638679	0.4265045		
Corrected Total	79	221.8823788			

Table A2. ANOVA table for NaHCO₃- Pi extracts

P adsorption/desorption study

The ANOVA Procedure					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	196.7145109	9.8357255	23.06	<.0001
Error	59	25.1635674	0.4265011		
Corrected Total	79	221.8780783			

The ANOVA Procedure					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Class	2	51.4245	25.71225	61.79	<.0001
Time	6	115.461	19.2435	47.10	<.0001
Class * Time	12	29.8214	2.48512	6.10	<.0001
Number of observations = 84					

Dependent Variable: v1

The ANOVA Procedure					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	196.7145109	9.8357255	23.06	<.0001
Error	59	25.1635674	0.4265011		
Corrected Total	79	221.8780783			

R-Square **Coeff Var** **Root MSE** **v1 Mean**
 0.886588 33.60962 0.653071 1.943106

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Plevels	2	51.4249773	25.7124887	60.29	<.0001*
Time	6	115.6614249	19.2769042	45.20	<.0001*
Plevels*time	12	29.6281086	2.4690091	5.79	<.0001*

Number of observations: 24

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	2575.19029	128.759515	61.29	<.0001
Error	59	431.362492	7.294364		
Corrected Total	79	2906.55278			

Table A3. ANOVA table for NaOH- Pi extracts

P adsorption/desorption study

The ANOVA Procedure

Class Level Information

Class Levels Values

Plevels 3 1 2 3

Time 7 1 2 3 4 5 6 7

Number of observations 84

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	7575.196291	378.759815	51.79	<.0001
Error	59	431.452492	7.312754		
Corrected Total	79	8006.648783			

R-Square **Coeff Var** **Root MSE** **v1 Mean**
 0.946113 7.961971 2.704210 33.96408

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Plevels	2	5068.589409	2534.294705	346.56	<.0001
Time	6	1845.538943	307.589824	42.06	<.0001
Plevels*time	12	661.067939	55.088995	7.53	<.0001

Time 7 11345.47

Number of observations 34

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	10.39289279	0.51964464	4.64	<.0001
Error	51	6.65625129	0.13051473		
Corrected Total		17.04914408			

Table A4. ANOVA table for 1 M HCl extracts

P adsorption/desorption study

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Class	2	10.89289279	5.4464464	4.64	<.0001
Time	6	6.69625129	1.11747809	0.95	<.0001
Class * Time	12	1.01514408	0.084612007	0.73	0.6942
The ANOVA Procedure					
Class	Level.	Information			
Class	Levels	Values			
Plevels	3	1 2 3			
Time	7	1 2 3 4 5 6 7			
Number of observations 84					

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	10.89289279	0.54464464	4.64	<.0001
Error	57	6.69625129	0.11747809		
Corrected Total	77	17.58914408			

R-Square **Coeff Var** **Root MSE** **v1 Mean**
 0.619296 22.95507 0.342751 1.493137

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Plevels	2	3.87099534	1.93549767	16.48	<.0001*
Time	6	5.38353960	0.89725660	7.64	<.0001*
Plevels*time	12	1.63835785	0.13652982	1.16	0.3318

Time 6 1.23456

Number of observations 72

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	7955.6022	467.9772	7.81	<.0001
Error	52	3101.2284	59.6371		
Corrected Total	69	11056.8306			

Table A5. ANOVA table for concentrated HCl –Pi extract.

1

P adsorption/desorption study

The ANOVA Procedure

Class Level Information

Class	Levels	Values
Plevels	3	1 2 3
Time	6	1 2 3 4 5 6

Number of observations 72

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	7958.64822	468.15578	7.85	<.0001
Error	52	3101.12584	59.63704		
Corrected Total	69	11059.77406			

R-Square **Coeff Var** **Root MSE** **v1 Mean**
0.719603 **6.633961** **7.722502** **116.4086**

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Plevels	2	4545.803587	2272.901793	38.11	<.0001*
Time	5	1568.354278	313.670856	5.26	0.0006*
Plevels*time	10	1844.490356	184.449036	3.09	0.0037*

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	28	1007.283425	36.331551	27.31	<.0001
Error	56	182.125946	3.252070		
Corrected Total	76	1109.732513			

Table A6. ANOVA table for NaHCO₃ –Po extracts.

P adsorption/desorption study

The ANOVA Procedure

Class	Level	Information
Class	Levels	Values
Plevels	3	1 2 3
Time	7	1 2 3 4 5 6 7
Number of observations		84

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	1007.203425	50.360171	27.51	<.0001
Error	56	102.529090	1.830877		
Corrected Total	76	1109.732515			

R-Square **Coeff Var** **Root MSE** **v1 Mean**
 0.907609 26.37462 1.353099 5.130307

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Plevels	2	189.8393980	94.9196990	51.84	<.0001*
Time	6	622.7702720	103.7950453	56.69	<.0001*
Plevels*time	12	194.5937549	16.2161462	8.86	<.0001*

Number of observations = 44

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	100.250348	5.012517	0.91	0.5798
Error	59	1183.026464	21.567229		
Corrected Total	79	1622.492813			

Table A7. ANOVA table for NaOH –Po extracts.

P adsorption/desorption study

15:00 Tuesday, February 5, 2002

The ANOVA Procedure

Class	Level	Information
Class	Levels	Values
Plevels	3	1 2 3
Time	7	1 2 3 4 5 6 7

Number of observations 84

The ANOVA Procedure

Dependent Variable: v1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	388.456349	19.422817	0.91	0.5798
Error	59	1263.026464	21.407228		
Corrected Total	79	1651.482813			

R-Square	Coeff Var	Root MSE	v1 Mean
0.235217	18.96445	4.626795	24.39720

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Plevels	2	149.0368277	74.5184138	3.48	0.0372
Time	6	69.3907049	11.5651175	0.54	0.7755
Plevels*time	12	170.0288166	14.1690680	0.66	0.7800