Sample Analyzed for DOMVR in the Commission II of the ICCP



Insert a microscopy image of the sample with graphic scale



Insert the distribution of vitrinite reflectance means

nthe	Commission II OI	the ICCP	Contraction of the second	
	Sample Information		TANO TANK	
	Code: 1	Year of Analysis: 2012-2	013 Frank 1 . A 90 TO B	
	Type of Sample: Quarry/Mir	16		
	Location and/or Fm.: Anvil Po	Location and/or Fm.: Anvil Points Mine, CO, Mahogany Ledge, Green River Fm		
	Country: USA	Age (Period): Eoc	cene	
	Dep. Environment:			
	Coordinates Long107.9529	Coordinates Lat. 39	9.5346	
ICCP WG:	entification of Primary Vitrinite			
Convenor:	Paul C. Hackley	Hackley E-mail: phackley@usgs.gov		
Exercise I	nformation	Other	data Available	
Report: Hackley 2013 Participants N:		: 28 Che	mical Analysis < Eval	
Group Mean (VRr%) 0.30/0.30 Group Stdv.: 0.040/0.040		040/0.040	ctral Fluorescence erals	
Averaged Unsigned Multiple Stdv.: 0.79/0.82		Geo X Imag	chemistry ges available	
Coef. of Variation: 13.3/13.1 Scattering Index: 0.5/0.5			ers (indicate in Iments)	

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Comments:

Twenty-seven participants reported measurements in duplicate; one participant reported only one measurement. Three participants acknowledged that at least some of the reflectance measurements were on solid bitumen (Jacob's equation gives unrealistic conversion of >0.6%). Cellular structure (in bitumen/ vitrinite material) is rare but present in some samples. AOM is abundant, fluorescence is very strong. X-ray diffraction data is available for this sample. Sample collected by Justin Birdwell, USGS. The two values in the statistics refer to sample A and B, respectively, analized for repeatability tests

Print form and submit to angeles@incar.csic.es

Sample Analyzed for DOMVR in the Commission II of the ICCP LEGEND

Code: refers to the sample code as distributed for the round robin exercises

ICCP WG: name of the WG in which the exercise was run

Microscopy images: Please indicate in the image as much information as possible regarding illumination conditions and identification of components. If you use fluorescence and white light images. Insert them as a single image.

Histogram with reflectance readings: Please build up an histogram with the individual vitrinite reflectance means reported by participants to represent the scatter of the readings in the exercise

Report: indicate the name of the report in which the results of this sample are available as recorded in the webpage (i.e. Bostick 1982; Borrego 2006, etc...)

Participants N: number of results included in the exercise

Group mean (VRr %): refers to the group mean resulting of averaging the individual mean reflectance values reported by participants.

Group Stdv: refers to the group standard deviation resulting from the individual mean reflectance values reported by participants.

<u>Averaged Unsigned Multiple Stdv.</u>: refers to the Average value of the individual Unsigned Multiple of the Standard Deviations, calculated for each participant against the group mean and group standard deviation data. This statistical is used in the ICCP Accreditation Programms to assess the precision of the participants. Average Unsigned Multiple Stdv.=Summa(absolute value [participant VRr-Group Mean)/Group Stdv.])

<u>Coefficient of Variation</u>: allows comparing the dispersion of results regardless the value of the mean. Coefficient of variation=Group Stdv *100/ Group Mean.

<u>Scattering Index</u>: allows an estimation of the reliability of the values based on the Coefficient of Variation and the number of participants. Scattering Index=Coefficient of Variation/N of participants

<u>Comments</u>: Please indicate whatever information you consider relevant. Information to include is: objectives of the working group, indication about fluorescence properties, abundance of vitrinite particles to be measured, difficulties in sample preparation or polishing, possibility of suppressed values, the main conclusions about the characterization of the samples.