



TOTAL ORGANIC CARBON, PROGRAMMED PYROLYSIS DATA
FRITZ CONSULTING

Well Name : UNDISCLOSED	Operator : API # :	State : PENNSYLVANIA County :	Project No.: CO-48716 / CO-48716
--------------------------------	------------------------------	--	--

Client ID	Depth (')	Formation	Sample Type	Sample Prep	*	SRA				Tmax (°C)	**	Meas. % Ro	HI	OI	S2/S3	S1/TOC *100	PI	Notes		Lab ID
	Top					TOC	S1	S2	S3									Checks	Pyrogram	
			Core	NOPR		27.43	1.52	43.66	0.34	463			159	1	128.4	6	0.03	SRA	n:lts2sh:hts2sh	3401792473

Notes:

"-1" – not measured or invalid value for T_{max}
 TOC - Total Organic Carbon, wt. %
 S1 - volatile hydrocarbon (HC) content, mg HC/ g rock
 S2 - remaining HC generative potential, mg HC/ g rock
 S3 - carbon dioxide content, mg CO₂/ g rock

* - comments regarding contamination
 ** - low S2, Tmax is unreliable
 Meas. %Ro - measured vitrinite reflectance
 HI - Hydrogen index = S2 x 100 / TOC, mg HC/ g TOC
 OI - Oxygen Index = S3 x 100 / TOC, mg CO₂/ g TOC
 PI - Production Index = S1 / (S1+S2)

Pyrogram:

f - flat S2 peak
 n - normal
 lts2sh - low temperature S2 shoulder
 lts2p - low temperature S2 peak
 htS2sh - high temperature S2 shoulder
 htS2p - high temperature S2 peak
 RE - Programmed pyrolysis on Rock-Eval instrument
 EXT - Extracted Rock
 NOPR - Normal Preparation