

# WELD LABORATORIES, INC.

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February 15, 2017

Smith Energy Corporation  
12706 Shiloh Rd.  
Greeley, CO 80631

Laboratory No.: E17039-2C  
Sample: Burns #1

Project: Soil Saturated Paste  
Location: #3

## Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)
TRPH	NA	mg/kg -dry wt.	NA
TEH (DRO)	NA	mg/kg -dry wt.	NA
TVH (GRO)	NA	mg/kg -dry wt.	NA
Benzene	NA	µg/kg -dry wt.	NA
Toluene	NA	µg/kg -dry wt.	NA
Ethyl-benzene	NA	µg/kg -dry wt.	NA
m,p-Xylene	NA	µg/kg -dry wt.	NA
o-Xylene	NA	µg/kg -dry wt.	NA
Sat. Paste pH	6.7	SI	NA
Sat. Paste EC	387	µS/cm	NA
Sat. Paste Saturation%	39.1	%	NA
Sat. Paste TDS	248	mg/L	NA
Sat. Paste SAR	0.98	—	NA

## Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA Method 1664, Soxhlet extracted SGT-HEM)

DRO = Diesel Range Organics, GRO = Gas Range Organics

TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)

TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)

VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)

U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed

  
Project Manager

2-15-17  
Date

Sampling procedures can affect the value of analytical results – customers are advised to use appropriate sampling protocol to ensure samples are truly representative of the bulk sample.