



**Saybolt**

A CORE LABORATORIES COMPANY

Pipeline Innovations  
Leonard Tillman  
475-28 1/2 Road  
Grand Junction, CO 81501

## Saybolt Petroleum Services A Core Laboratories Company

201 Deerwood Glen Dr  
Deer Park, TX 77536  
281-478-1300

Report Number : 13071- 14565  
Date Reported: 9/26/2018  
Date Received: 9/24/2018

### Analytical Report

Sample No.: 7179509

Sample ID Low Sulfur Crude

Date Sampled

Test	Result	Units	Method	Date	Analyst
<b>Sulfur Speciation</b>					
Hydrogen Sulfide	60	ppm v / v	ASTM D-1945	9/26/2018	JB
Hydrogen Sulfide	2	ppm v / v	ASTM D-5504	9/26/2018	JB

Note. Untreated Prep = 2 grams sample + 1 gram toluene in 40 mL septum vial. Treated = same as preceding plus 0.30 grams neat treater. All preps stirred with magnetic stir bar at speed setting 5 for 5 minutes.



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Report Number : 13071- 14565  
Date Reported: 9/26/2018  
Date Received: 9/24/2018

### Analytical Report

Sample No.: 7179510      Sample ID Medium Sulfur Crude      Date Sampled

Test	Result	Units	Method	Date	Analyst
<b>Sulfur Speciation</b>					
Hydrogen Sulfide	1400	ppm v / v	ASTM D-1945	9/26/2018	JB
Hydrogen Sulfide	2	ppm v / v	ASTM D-5504	9/26/2018	JB

Note. Untreated Prep = 2 grams sample + 1 gram toluene in 40 mL septum vial. Treated = same as preceding plus 0.30 grams neat treaters. All preps stirred with magnetic stir bar at speed setting 5 for 5 minutes.



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Date Received: 9/24/2018

### Analytical Report

Sample No.: 7179511

Sample ID High Sulfur Crude

Date Sampled

Test	Result	Units	Method	Date	Analyst
<b>Sulfur Speciation</b>					
Hydrogen Sulfide	11920	ppm v / v	ASTM D-1945	9/26/2018	JB
Hydrogen Sulfide	1	ppm v / v	ASTM D-5504	9/26/2018	JB

Note. Untreated Prep = 2 grams sample + 1 gram toluene in 40 mL septum vial. Treated = same as preceding plus 0.40 grams neat treater. All preps stirred with magnetic stir bar at speed setting 5 for 5 minutes.

Approved By: \_\_\_\_\_

John Broll  
Chemist