

### Technical Report for

**Petron Development Co**

**Zuege Lease**

**SGS Accutest Job Number: D82441R**

**Sampling Date: 05/03/16**

**Report to:**

**Petron Development Co  
1899 W. Littleton Blvd.  
Littleton, CO 80120  
jim@petron.net**

**ATTN: Jim Walker**

**Total number of pages in report: 14**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

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Laboratory Director**

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Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY CO (CO00049), EPA 515.4 Provisional

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### Sample Summary

**Petron Development Co**

**Job No: D82441R**

**Zuege Lease**

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D82441-1AR	05/03/16	14:55 TP	05/06/16	SO	Soil	1
D82441-2AR	05/03/16	15:00 TP	05/06/16	SO	Soil	2
D82441-3AR	05/03/16	15:05 TP	05/06/16	SO	Soil	3
D82441-4AR	05/03/16	15:10 TP	05/06/16	SO	Soil	4

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## Summary of Hits

**Job Number:** D82441R  
**Account:** Petron Development Co  
**Project:** Zuege Lease  
**Collected:** 05/03/16

Lab Sample ID	Client Sample ID	Result/ Analyte	RL	MDL	Units	Method
D82441-1AR	1					
		Specific Conductivity	260	1.0	umhos/cm	SM 2510B-2011 MOD
		pH	9.30		su	SW846 9045D
D82441-2AR	2					
		Specific Conductivity	270	1.0	umhos/cm	SM 2510B-2011 MOD
		pH	9.03		su	SW846 9045D
D82441-3AR	3					
		Specific Conductivity	672	1.0	umhos/cm	SM 2510B-2011 MOD
		pH	8.36		su	SW846 9045D
D82441-4AR	4					
		Specific Conductivity	489	1.0	umhos/cm	SM 2510B-2011 MOD
		pH	9.28		su	SW846 9045D

**Sample Results**

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**Report of Analysis**

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## Report of Analysis

<b>Client Sample ID:</b> 1		<b>Date Sampled:</b> 05/03/16
<b>Lab Sample ID:</b> D82441-1AR		<b>Date Received:</b> 05/06/16
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> n/a
<b>Project:</b> Zuege Lease		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	260	1.0	umhos/cm	1	05/19/16	TJ	SM 2510B-2011 MOD
pH	9.30		su	1	05/19/16 14:00	TB	SW846 9045D

RL = Reporting Limit

# Report of Analysis

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3

<b>Client Sample ID:</b> 2		<b>Date Sampled:</b> 05/03/16
<b>Lab Sample ID:</b> D82441-2AR		<b>Date Received:</b> 05/06/16
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> n/a
<b>Project:</b> Zuege Lease		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	270	1.0	umhos/cm	1	05/19/16	TJ	SM 2510B-2011 MOD
pH	9.03		su	1	05/19/16 14:00	TB	SW846 9045D

RL = Reporting Limit

# Report of Analysis

<b>Client Sample ID:</b> 3		<b>Date Sampled:</b> 05/03/16
<b>Lab Sample ID:</b> D82441-3AR		<b>Date Received:</b> 05/06/16
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> n/a
<b>Project:</b> Zuege Lease		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	672	1.0	umhos/cm	1	05/19/16	TJ	SM 2510B-2011 MOD
pH	8.36		su	1	05/19/16 14:00	TB	SW846 9045D

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 4		<b>Date Sampled:</b> 05/03/16
<b>Lab Sample ID:</b> D82441-4AR		<b>Date Received:</b> 05/06/16
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> n/a
<b>Project:</b> Zuege Lease		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	489	1.0	umhos/cm	1	05/19/16	TJ	SM 2510B-2011 MOD
pH	9.28		su	1	05/19/16 14:00	TB	SW846 9045D

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RL = Reporting Limit

**Misc. Forms**

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**Custody Documents and Other Forms**

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**Includes the following where applicable:**

- Chain of Custody



# SGS Accutest Sample Receipt Summary

Job Number: D82441

Client: PETAOL DEVELOPMENT

Project: ZUEGE LEASE

Date / Time Received: 5/6/2016 3:10:00 PM

Delivery Method: \_\_\_\_\_

Airbill #'s: hd

Cooler Temps (Initial/Adjusted): #1: (17.2/17.2):

**Cooler Security**

Y or N

Y or N

- |                           |                                     |                          |                       |                                     |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

Y or N

- |                              |                                     |                          |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | <u>IR Gun;</u>                      |                          |
| 3. Cooler media:             | <u>Ice (Bag)</u>                    |                          |
| 4. No. Coolers:              | <u>1</u>                            |                          |

**Quality Control Preservation**

Y or N

N/A

- |                                 |                                     |                          |                                     |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:         | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

**Sample Integrity - Documentation**

Y or N

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | <u>Intact</u>                       |                          |

**Sample Integrity - Instructions**

Y or N

N/A

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

4.1  
4

D82441R: Chain of Custody

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## General Chemistry

### QC Data Summaries

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**Includes the following where applicable:**

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: D82441R  
Account: PETRCOL - Petron Development Co  
Project: Zuege Lease

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP17956/GN34560			umhos/cm	1001	1000	100.0	90-110%
pH	GN34567			su	8.00	7.97	99.6	99.1-100.9

Associated Samples:

Batch GN34567: D82441-1AR, D82441-2AR, D82441-3AR, D82441-4AR

Batch GP17956: D82441-1AR, D82441-2AR, D82441-3AR, D82441-4AR

(\*) Outside of QC limits

