

From: [gilbert paine](#)
To: [Steven Arauza - DNR](#); [dianne fahey](#)
Subject: Pit Remediation Project # 9614 Fahey Oil & Gas
Date: Monday, September 19, 2016 3:27:47 AM
Attachments: [Antelope Farms 1-24 daily work log pit closure.rtf](#)
[DSCN0196.JPG](#)
[DSCN0198.JPG](#)

Mr. Steven Arauza:

The intent of this Email is to inform you & COGCC of the progress in the closure of the pit at the Antelope Farms 1-24, Project # 9614 for Fahey Oil & Gas. After a wetter than normal Spring & Summer we finally got started, I am attaching a log of events to catch you up with our progress, I am also attaching pictures to show the work we have done. As you know by the results of the lab tests from Test America that we just sent you we have more excavating to do & more samples to be tested . If you have any questions please contact us.

thanks

Gilbert Paine

303-709-0148

Fahey Oil & Gas
Antelope Farms 1-24
Remediation Project # 9614

Daily Work Log for Closing of Pit

7-27-16 Notify UNCC of line locate
8-8-16 Pit had dried out so no need to empty fluids, Make place to store contaminated soil on location, put down plastic and build berms around it to contain runoff
8-9-16 Dig out pit and put contaminated soil on plastic dig until all obvious signs of contamination are removed
8-11-16 contact Test America to test soil samples they informed us they couldn't give us quote til next week
8-16-16 Notified by Test America that TAT on soil samples would be 10 days, contact Steven Arauza with COGC and inform him we believe we will have trouble meeting 8-31-16 deadline for closure
8-17-16 Pick up sample kit from Test America
8-18-16 Collect samples out of pit from 5 different locations labeled as follows sample # 1 N. wall # 2 E. wall, # 3 S. wall, # 4 W. wall and # 5 bottom of pit. Take the samples to Test America in Arvada, Co
9-6-16 Contact Test America to see why hadn't heard anything
9-9-16 Got back lab results from Test America on soil samples



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Denver

4955 Yarrow Street

Arvada, CO 80002

Tel: (303)736-0100

TestAmerica Job ID: 280-87113-1

Client Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

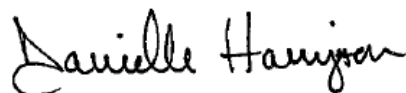
For:

Fahey Oil & Gas

93 South CR 159

Strasburg, Colorado 80136

Attn: Mr. Gilbert Paine



Authorized for release by:

9/9/2016 3:01:59 PM

Danielle Harrington, Project Manager II

(303)736-0176

danielle.harrington@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Definitions | 3 |
| Case Narrative | 4 |
| Detection Summary | 6 |
| Method Summary | 9 |
| Sample Summary | 10 |
| Client Sample Results | 11 |
| Surrogate Summary | 20 |
| QC Sample Results | 22 |
| QC Association | 31 |
| Chronicle | 37 |
| Certification Summary | 42 |
| Chain of Custody | 44 |
| Receipt Checklists | 45 |



Definitions/Glossary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|-------------------------------------|
| X | Surrogate is outside control limits |

GC VOA

| Qualifier | Qualifier Description |
|-----------|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| X | Surrogate is outside control limits |
| D | Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples. |
| F1 | MS and/or MSD Recovery is outside acceptance limits. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|---|
| B | Compound was found in the blank and sample. |
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| F2 | MS/MSD RPD exceeds control limits |
| D | Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples. |
| X | Surrogate is outside control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| B | Compound was found in the blank and sample. |
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Job ID: 280-87113-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: Fahey Oil & Gas

Project: Antelope Farms 1-24 - COGCC Table 910-1

Report Number: 280-87113-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 08/19/2016; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 13.1° C and 14.1° C, which is above the EPA's recommended temperature of 6.0C. However, these samples were collected and received the same day on ice and did not have time to cool.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Surrogate 4-Bromofluorobenzene for method 8260B was recovered above the QC limits in samples #4 and #5. This is an indicator that data may be biased high. As the sample does not contain any detectable concentrations for constituents associated with this surrogate, corrective action is deemed unnecessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GASOLINE RANGE ORGANICS (GRO)

Surrogate a,a,a-Trifluorotoluene for method 8015B was recovered below the QC limits in samples #2 and #3. This anomaly is due to obvious matrix interferences; therefore, corrective action is deemed unnecessary. Sample data should be considered biased low.

Samples #4 and #5 required dilution prior to analysis. The reporting limits have been adjusted accordingly. Consequently, the surrogate recovery is based on a diluted result and is not quantifiable.

Laboratory generated analysis data have been provided. The MS/MSD for Gasoline Range Organics method 8015B exhibited spike compound recoveries outside the QC limits. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS

Samples #3 and #4 required dilution prior to analysis. The reporting limits have been adjusted accordingly. Consequently, the surrogate recovery is based on a diluted result and is not quantifiable.

MS/MSD analyses were performed on sample #1. The MS/MSD for Diesel Range Organics method 8015B exhibited spike compound recoveries outside the QC limits. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Case Narrative

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Job ID: 280-87113-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

Diesel Range Organics [C10-C28] was detected in method blank MB 280-339721/1-A at a level that was above the method detection limit but below the reporting limit. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SODIUM ABSORPTION RATIO

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS

Barium and Copper were detected in method blank MB 280-339930/1-A at levels that were above the method detection limit but below the reporting limit. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary

MS/MSD analyses were performed on sample #1. The MS/MSD for method 6010B exhibited spike compound recoveries outside the QC limits for Boron and Zinc. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Mercury was detected in method blank MB 280-340265/1-A at levels that were above the method detection limit but below the reporting limit. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GENERAL CHEMISTRY -VARIOUS

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Client Sample ID: #1

Lab Sample ID: 280-87113-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|------|-------|----------|---------|---|--------|-----------|
| Gasoline Range Organics (GRO) | 0.57 | J | 1.3 | 0.36 | mg/Kg | 1 | ☼ | 8015B | Total/NA |
| -C6-C10 | | | | | | | | | |
| Motor Oil (C20-C38) | 120 | | 14 | 4.4 | mg/Kg | 1 | ☼ | 8015B | Total/NA |
| Diesel Range Organics [C10-C28] | 160 | F2 F1 B | 4.5 | 0.77 | mg/Kg | 1 | ☼ | 8015B | Total/NA |
| Barium | 130 | B | 0.83 | 0.063 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Boron | 19 | F1 | 8.3 | 0.82 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.27 | J | 0.42 | 0.034 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 16 | | 1.3 | 0.048 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Copper | 14 | B | 1.7 | 0.18 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 11 | | 0.75 | 0.23 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Nickel | 12 | | 3.3 | 0.10 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Zinc | 43 | F1 | 2.5 | 0.33 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 4.4 | | 0.52 | 0.044 | mg/Kg | 1 | ☼ | 6020 | Total/NA |
| Mercury | 16 | J B | 20 | 6.6 | ug/Kg | 1 | ☼ | 7471A | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
| Sodium Adsorption Ratio | 100 | | 1.2 | 1.2 | No Unit | 10 | | 20B | Soluble |
| Cr (III) | 16 | | 2.0 | 2.0 | mg/Kg | 1 | | 7196A | Total/NA |
| pH | 8.0 | | 0.1 | 0.1 | SU | 1 | | 9040C | Soluble |
| Specific Conductance | 5600 | | 10 | 10 | umhos/cm | 1 | | 9050A | Soluble |

Client Sample ID: #2

Lab Sample ID: 280-87113-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|------|-------|----------|---------|---|--------|-----------|
| Gasoline Range Organics (GRO) | 0.40 | J | 1.4 | 0.39 | mg/Kg | 1 | ☼ | 8015B | Total/NA |
| -C6-C10 | | | | | | | | | |
| Motor Oil (C20-C38) | 28 | | 14 | 4.6 | mg/Kg | 1 | ☼ | 8015B | Total/NA |
| Diesel Range Organics [C10-C28] | 18 | B | 4.8 | 0.81 | mg/Kg | 1 | ☼ | 8015B | Total/NA |
| Barium | 140 | B | 1.1 | 0.081 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Boron | 23 | | 11 | 1.0 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.25 | J | 0.53 | 0.044 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 17 | | 1.6 | 0.062 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Copper | 15 | B | 2.1 | 0.23 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 11 | | 0.96 | 0.29 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Nickel | 14 | | 4.2 | 0.13 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Zinc | 46 | | 3.2 | 0.42 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 5.0 | | 0.56 | 0.047 | mg/Kg | 1 | ☼ | 6020 | Total/NA |
| Mercury | 15 | J B | 22 | 7.0 | ug/Kg | 1 | ☼ | 7471A | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
| Sodium Adsorption Ratio | 130 | | 1.2 | 1.2 | No Unit | 10 | | 20B | Soluble |
| Cr (III) | 17 | | 2.0 | 2.0 | mg/Kg | 1 | | 7196A | Total/NA |
| pH | 8.4 | | 0.1 | 0.1 | SU | 1 | | 9040C | Soluble |
| Specific Conductance | 4100 | | 10 | 10 | umhos/cm | 1 | | 9050A | Soluble |

Client Sample ID: #3

Lab Sample ID: 280-87113-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|------|-------|-------|---------|---|--------|-----------|
| Motor Oil (C20-C38) | 600 | | 67 | 22 | mg/Kg | 5 | ☼ | 8015B | Total/NA |
| Diesel Range Organics [C10-C28] | 2300 | B | 22 | 3.8 | mg/Kg | 5 | ☼ | 8015B | Total/NA |
| Barium | 86 | B | 0.79 | 0.060 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Boron | 16 | | 7.9 | 0.77 | mg/Kg | 1 | ☼ | 6010B | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Denver

Detection Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Client Sample ID: #3 (Continued)

Lab Sample ID: 280-87113-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|-------|----------|-----|-----|---|--------|-----------|
| Cadmium | 0.13 | J | 0.40 | 0.032 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Chromium | 16 | | 1.2 | 0.046 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Copper | 14 | B | 1.6 | 0.17 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Lead | 9.9 | | 0.71 | 0.21 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Nickel | 10 | | 3.2 | 0.097 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Zinc | 43 | | 2.4 | 0.31 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Arsenic | 2.4 | | 0.46 | 0.039 | mg/Kg | 1 | | ✖ | 6020 | Total/NA |
| Mercury | 12 | J B | 20 | 6.5 | ug/Kg | 1 | | ✖ | 7471A | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil | Fac | D | Method | Prep Type |
| Sodium Adsorption Ratio | 110 | | 1.2 | 1.2 | No Unit | 10 | | | 20B | Soluble |
| Cr (III) | 16 | | 2.0 | 2.0 | mg/Kg | 1 | | | 7196A | Total/NA |
| pH | 8.1 | | 0.1 | 0.1 | SU | 1 | | | 9040C | Soluble |
| Specific Conductance | 11000 | | 10 | 10 | umhos/cm | 1 | | | 9050A | Soluble |

Client Sample ID: #4

Lab Sample ID: 280-87113-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|--------|---------|----------|-----|-----|---|--------|-----------|
| Xylenes, Total | 0.011 | | 0.0062 | 0.00076 | mg/Kg | 1 | | ✖ | 8260B | Total/NA |
| Gasoline Range Organics (GRO) | 85 | | 6.6 | 1.8 | mg/Kg | 5 | | ✖ | 8015B | Total/NA |
| -C6-C10 | | | | | | | | | | |
| Motor Oil (C20-C38) | 750 | | 66 | 21 | mg/Kg | 5 | | ✖ | 8015B | Total/NA |
| Diesel Range Organics [C10-C28] | 2900 | B | 22 | 3.7 | mg/Kg | 5 | | ✖ | 8015B | Total/NA |
| Barium | 88 | B | 0.91 | 0.069 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Boron | 18 | | 9.1 | 0.90 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Cadmium | 0.14 | J | 0.46 | 0.037 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Chromium | 17 | | 1.4 | 0.053 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Copper | 14 | B | 1.8 | 0.20 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Lead | 9.8 | | 0.82 | 0.25 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Nickel | 10 | | 3.7 | 0.11 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Zinc | 44 | | 2.7 | 0.36 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Arsenic | 2.5 | | 0.58 | 0.049 | mg/Kg | 1 | | ✖ | 6020 | Total/NA |
| Mercury | 14 | J B | 21 | 6.7 | ug/Kg | 1 | | ✖ | 7471A | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil | Fac | D | Method | Prep Type |
| Sodium Adsorption Ratio | 120 | | 1.2 | 1.2 | No Unit | 10 | | | 20B | Soluble |
| Cr (III) | 17 | | 2.0 | 2.0 | mg/Kg | 1 | | | 7196A | Total/NA |
| pH | 8.1 | | 0.1 | 0.1 | SU | 1 | | | 9040C | Soluble |
| Specific Conductance | 9500 | | 10 | 10 | umhos/cm | 1 | | | 9050A | Soluble |

Client Sample ID: #5

Lab Sample ID: 280-87113-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|--------|---------|-------|-----|-----|---|--------|-----------|
| Xylenes, Total | 0.019 | | 0.0060 | 0.00073 | mg/Kg | 1 | | ✖ | 8260B | Total/NA |
| Gasoline Range Organics (GRO) | 250 | | 7.1 | 1.9 | mg/Kg | 5 | | ✖ | 8015B | Total/NA |
| -C6-C10 | | | | | | | | | | |
| Motor Oil (C20-C38) | 73 | | 14 | 4.5 | mg/Kg | 1 | | ✖ | 8015B | Total/NA |
| Diesel Range Organics [C10-C28] | 56 | B | 4.6 | 0.79 | mg/Kg | 1 | | ✖ | 8015B | Total/NA |
| Barium | 120 | B | 0.81 | 0.062 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Boron | 22 | | 8.1 | 0.80 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Cadmium | 0.16 | J | 0.41 | 0.033 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |
| Chromium | 18 | | 1.2 | 0.047 | mg/Kg | 1 | | ✖ | 6010B | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Denver

Detection Summary

Client: Fahey Oil & Gas

TestAmerica Job ID: 280-87113-1

Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

Client Sample ID: #5 (Continued)

Lab Sample ID: 280-87113-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|-------|----------|-----|-----|---|--------|-----------|
| Copper | 15 | B | 1.6 | 0.18 | mg/Kg | 1 | | ☼ | 6010B | Total/NA |
| Lead | 11 | | 0.73 | 0.22 | mg/Kg | 1 | | ☼ | 6010B | Total/NA |
| Nickel | 14 | | 3.3 | 0.10 | mg/Kg | 1 | | ☼ | 6010B | Total/NA |
| Zinc | 46 | | 2.4 | 0.32 | mg/Kg | 1 | | ☼ | 6010B | Total/NA |
| Arsenic | 5.0 | | 0.50 | 0.042 | mg/Kg | 1 | | ☼ | 6020 | Total/NA |
| Mercury | 8.0 | J B | 24 | 7.8 | ug/Kg | 1 | | ☼ | 7471A | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil | Fac | D | Method | Prep Type |
| Sodium Adsorption Ratio | 130 | | 1.2 | 1.2 | No Unit | 10 | | | 20B | Soluble |
| Cr (III) | 18 | | 2.0 | 2.0 | mg/Kg | 1 | | | 7196A | Total/NA |
| pH | 8.2 | | 0.1 | 0.1 | SU | 1 | | | 9040C | Soluble |
| Specific Conductance | 5700 | | 10 | 10 | umhos/cm | 1 | | | 9050A | Soluble |

This Detection Summary does not include radiochemical test results.

TestAmerica Denver

Method Summary

Client: Fahey Oil & Gas

TestAmerica Job ID: 280-87113-1

Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

| Method | Method Description | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL DEN |
| 8015B | Gasoline Range Organics - (GC) | SW846 | TAL DEN |
| 8015B | Diesel Range Organics (DRO) (GC) | SW846 | TAL DEN |
| 20B | Sodium Adsorption Ratio | USDA | TAL DEN |
| 6010B | Metals (ICP) | SW846 | TAL DEN |
| 6020 | Metals (ICP/MS) | SW846 | TAL DEN |
| 7471A | Mercury (CVAA) | SW846 | TAL DEN |
| 7196A | Chromium, Trivalent (Colorimetric) | SW846 | TAL DEN |
| 7196A | Chromium, Hexavalent | SW846 | TAL NSH |
| 9040C | pH | SW846 | TAL NSH |
| 9050A | Specific Conductance | SW846 | TAL NSH |
| Moisture | Percent Moisture | EPA | TAL DEN |

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USDA = "USDA Agriculture Handbook 60, section 20B".

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: Fahey Oil & Gas

TestAmerica Job ID: 280-87113-1

Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 280-87113-1 | #1 | Solid | 08/18/16 11:00 | 08/19/16 18:11 |
| 280-87113-2 | #2 | Solid | 08/18/16 11:00 | 08/19/16 18:11 |
| 280-87113-3 | #3 | Solid | 08/18/16 11:00 | 08/19/16 18:11 |
| 280-87113-4 | #4 | Solid | 08/18/16 11:00 | 08/19/16 18:11 |
| 280-87113-5 | #5 | Solid | 08/18/16 11:00 | 08/19/16 18:11 |

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: #1

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1

Matrix: Solid

Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0068 | 0.00064 | mg/Kg | ☼ | 08/22/16 12:00 | 08/22/16 23:42 | 1 |
| Ethylbenzene | ND | | 0.0068 | 0.00091 | mg/Kg | ☼ | 08/22/16 12:00 | 08/22/16 23:42 | 1 |
| Toluene | ND | | 0.0068 | 0.00093 | mg/Kg | ☼ | 08/22/16 12:00 | 08/22/16 23:42 | 1 |
| Xylenes, Total | ND | | 0.0068 | 0.00082 | mg/Kg | ☼ | 08/22/16 12:00 | 08/22/16 23:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98 | | 76 - 127 | | | | 08/22/16 12:00 | 08/22/16 23:42 | 1 |
| Dibromofluoromethane (Surr) | 111 | | 75 - 121 | | | | 08/22/16 12:00 | 08/22/16 23:42 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 127 | | 58 - 140 | | | | 08/22/16 12:00 | 08/22/16 23:42 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 126 | | | | 08/22/16 12:00 | 08/22/16 23:42 | 1 |

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0067 | 0.00063 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 00:42 | 1 |
| Ethylbenzene | ND | | 0.0067 | 0.00090 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 00:42 | 1 |
| Toluene | ND | | 0.0067 | 0.00093 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 00:42 | 1 |
| Xylenes, Total | ND | | 0.0067 | 0.00082 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 00:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93 | | 76 - 127 | | | | 08/22/16 12:00 | 08/23/16 00:42 | 1 |
| Dibromofluoromethane (Surr) | 108 | | 75 - 121 | | | | 08/22/16 12:00 | 08/23/16 00:42 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 120 | | 58 - 140 | | | | 08/22/16 12:00 | 08/23/16 00:42 | 1 |
| Toluene-d8 (Surr) | 96 | | 80 - 126 | | | | 08/22/16 12:00 | 08/23/16 00:42 | 1 |

Client Sample ID: #3

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3

Matrix: Solid

Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0061 | 0.00057 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:02 | 1 |
| Ethylbenzene | ND | | 0.0061 | 0.00082 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:02 | 1 |
| Toluene | ND | | 0.0061 | 0.00084 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:02 | 1 |
| Xylenes, Total | ND | | 0.0061 | 0.00074 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:02 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93 | | 76 - 127 | | | | 08/22/16 12:00 | 08/23/16 01:02 | 1 |
| Dibromofluoromethane (Surr) | 108 | | 75 - 121 | | | | 08/22/16 12:00 | 08/23/16 01:02 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 119 | | 58 - 140 | | | | 08/22/16 12:00 | 08/23/16 01:02 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 126 | | | | 08/22/16 12:00 | 08/23/16 01:02 | 1 |

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0062 | 0.00058 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:22 | 1 |
| Ethylbenzene | ND | | 0.0062 | 0.00083 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:22 | 1 |
| Toluene | ND | | 0.0062 | 0.00085 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:22 | 1 |
| Xylenes, Total | 0.011 | | 0.0062 | 0.00076 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:22 | 1 |

TestAmerica Denver

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 149 | X | 76 - 127 | 08/22/16 12:00 | 08/23/16 01:22 | 1 |
| Dibromofluoromethane (Surr) | 111 | | 75 - 121 | 08/22/16 12:00 | 08/23/16 01:22 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 124 | | 58 - 140 | 08/22/16 12:00 | 08/23/16 01:22 | 1 |
| Toluene-d8 (Surr) | 96 | | 80 - 126 | 08/22/16 12:00 | 08/23/16 01:22 | 1 |

Client Sample ID: #5
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5
Matrix: Solid
Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0060 | 0.00056 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:42 | 1 |
| Ethylbenzene | ND | | 0.0060 | 0.00080 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:42 | 1 |
| Toluene | ND | | 0.0060 | 0.00083 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:42 | 1 |
| Xylenes, Total | 0.019 | | 0.0060 | 0.00073 | mg/Kg | ☼ | 08/22/16 12:00 | 08/23/16 01:42 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 145 | X | 76 - 127 | 08/22/16 12:00 | 08/23/16 01:42 | 1 |
| Dibromofluoromethane (Surr) | 108 | | 75 - 121 | 08/22/16 12:00 | 08/23/16 01:42 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 126 | | 58 - 140 | 08/22/16 12:00 | 08/23/16 01:42 | 1 |
| Toluene-d8 (Surr) | 102 | | 80 - 126 | 08/22/16 12:00 | 08/23/16 01:42 | 1 |

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: #1
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1
Matrix: Solid
Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | 0.57 | J | 1.3 | 0.36 | mg/Kg | ☼ | 09/01/16 14:22 | 09/01/16 18:20 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene | 78 | | 77 - 123 | 09/01/16 14:22 | 09/01/16 18:20 | 1 |

Client Sample ID: #2
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2
Matrix: Solid
Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | 0.40 | J | 1.4 | 0.39 | mg/Kg | ☼ | 09/01/16 14:22 | 09/01/16 19:35 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene | 76 | X | 77 - 123 | 09/01/16 14:22 | 09/01/16 19:35 | 1 |

Client Sample ID: #3
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3
Matrix: Solid
Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | | 1.3 | 0.36 | mg/Kg | ☼ | 09/01/16 14:22 | 09/01/16 20:00 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene | 73 | X | 77 - 123 | 09/01/16 14:22 | 09/01/16 20:00 | 1 |

TestAmerica Denver

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | 85 | | 6.6 | 1.8 | mg/Kg | ☼ | 09/01/16 14:22 | 09/01/16 20:25 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene | 83 | D | 77 - 123 | | | | 09/01/16 14:22 | 09/01/16 20:25 | 5 |

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | 250 | | 7.1 | 1.9 | mg/Kg | ☼ | 09/01/16 14:22 | 09/01/16 20:50 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene | 81 | D | 77 - 123 | | | | 09/01/16 14:22 | 09/01/16 20:50 | 5 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: #1

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1

Matrix: Solid

Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Motor Oil (C20-C38) | 120 | | 14 | 4.4 | mg/Kg | ☼ | 08/26/16 13:08 | 08/30/16 16:01 | 1 |
| Diesel Range Organics [C10-C28] | 160 | F2 F1 B | 4.5 | 0.77 | mg/Kg | ☼ | 08/26/16 13:08 | 08/30/16 16:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 79 | | 49 - 115 | | | | 08/26/16 13:08 | 08/30/16 16:01 | 1 |

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Motor Oil (C20-C38) | 28 | | 14 | 4.6 | mg/Kg | ☼ | 08/26/16 13:08 | 08/30/16 17:27 | 1 |
| Diesel Range Organics [C10-C28] | 18 | B | 4.8 | 0.81 | mg/Kg | ☼ | 08/26/16 13:08 | 08/30/16 17:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 74 | | 49 - 115 | | | | 08/26/16 13:08 | 08/30/16 17:27 | 1 |

Client Sample ID: #3

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3

Matrix: Solid

Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Motor Oil (C20-C38) | 600 | | 67 | 22 | mg/Kg | ☼ | 08/26/16 13:08 | 09/01/16 10:56 | 5 |
| Diesel Range Organics [C10-C28] | 2300 | B | 22 | 3.8 | mg/Kg | ☼ | 08/26/16 13:08 | 09/01/16 10:56 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 109 | D | 49 - 115 | | | | 08/26/16 13:08 | 09/01/16 10:56 | 5 |

TestAmerica Denver

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Motor Oil (C20-C38) | 750 | | 66 | 21 | mg/Kg | ☼ | 08/26/16 13:08 | 09/01/16 11:24 | 5 |
| Diesel Range Organics [C10-C28] | 2900 | B | 22 | 3.7 | mg/Kg | ☼ | 08/26/16 13:08 | 09/01/16 11:24 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 120 | X D | 49 - 115 | | | | 08/26/16 13:08 | 09/01/16 11:24 | 5 |

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Motor Oil (C20-C38) | 73 | | 14 | 4.5 | mg/Kg | ☼ | 08/26/16 13:08 | 08/30/16 19:49 | 1 |
| Diesel Range Organics [C10-C28] | 56 | B | 4.6 | 0.79 | mg/Kg | ☼ | 08/26/16 13:08 | 08/30/16 19:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 68 | | 49 - 115 | | | | 08/26/16 13:08 | 08/30/16 19:49 | 1 |

Method: 20B - Sodium Adsorption Ratio - Soluble

Client Sample ID: #1

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1

Matrix: Solid

Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|-----|-----|---------|---|----------------|----------------|---------|
| Sodium Adsorption Ratio | 100 | | 1.2 | 1.2 | No Unit | — | 08/31/16 07:00 | 09/01/16 14:05 | 10 |

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|-----|-----|---------|---|----------------|----------------|---------|
| Sodium Adsorption Ratio | 130 | | 1.2 | 1.2 | No Unit | — | 08/31/16 07:00 | 09/01/16 14:08 | 10 |

Client Sample ID: #3

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3

Matrix: Solid

Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|-----|-----|---------|---|----------------|----------------|---------|
| Sodium Adsorption Ratio | 110 | | 1.2 | 1.2 | No Unit | — | 08/31/16 07:00 | 09/01/16 14:15 | 10 |

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|-----|-----|---------|---|----------------|----------------|---------|
| Sodium Adsorption Ratio | 120 | | 1.2 | 1.2 | No Unit | — | 08/31/16 07:00 | 09/01/16 14:18 | 10 |

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|-----|-----|---------|---|----------------|----------------|---------|
| Sodium Adsorption Ratio | 130 | | 1.2 | 1.2 | No Unit | — | 08/31/16 07:00 | 09/01/16 14:21 | 10 |

TestAmerica Denver

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 6010B - Metals (ICP)

Client Sample ID: #1
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1
Matrix: Solid
Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Barium | 130 | B | 0.83 | 0.063 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:08 | 1 |
| Boron | 19 | F1 | 8.3 | 0.82 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:08 | 1 |
| Cadmium | 0.27 | J | 0.42 | 0.034 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:29 | 1 |
| Chromium | 16 | | 1.3 | 0.048 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:08 | 1 |
| Copper | 14 | B | 1.7 | 0.18 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:29 | 1 |
| Lead | 11 | | 0.75 | 0.23 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:29 | 1 |
| Nickel | 12 | | 3.3 | 0.10 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:29 | 1 |
| Selenium | ND | | 1.3 | 0.72 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:29 | 1 |
| Silver | ND | | 0.83 | 0.13 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:29 | 1 |
| Zinc | 43 | F1 | 2.5 | 0.33 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:08 | 1 |

Client Sample ID: #2
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2
Matrix: Solid
Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Barium | 140 | B | 1.1 | 0.081 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:19 | 1 |
| Boron | 23 | | 11 | 1.0 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:19 | 1 |
| Cadmium | 0.25 | J | 0.53 | 0.044 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:40 | 1 |
| Chromium | 17 | | 1.6 | 0.062 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:19 | 1 |
| Copper | 15 | B | 2.1 | 0.23 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:40 | 1 |
| Lead | 11 | | 0.96 | 0.29 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:40 | 1 |
| Nickel | 14 | | 4.2 | 0.13 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:40 | 1 |
| Selenium | ND | | 1.6 | 0.91 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:40 | 1 |
| Silver | ND | | 1.1 | 0.17 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:40 | 1 |
| Zinc | 46 | | 3.2 | 0.42 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:19 | 1 |

Client Sample ID: #3
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3
Matrix: Solid
Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Barium | 86 | B | 0.79 | 0.060 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:22 | 1 |
| Boron | 16 | | 7.9 | 0.77 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:22 | 1 |
| Cadmium | 0.13 | J | 0.40 | 0.032 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:42 | 1 |
| Chromium | 16 | | 1.2 | 0.046 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:22 | 1 |
| Copper | 14 | B | 1.6 | 0.17 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:42 | 1 |
| Lead | 9.9 | | 0.71 | 0.21 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:42 | 1 |
| Nickel | 10 | | 3.2 | 0.097 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:42 | 1 |
| Selenium | ND | | 1.2 | 0.68 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:42 | 1 |
| Silver | ND | | 0.79 | 0.13 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:42 | 1 |
| Zinc | 43 | | 2.4 | 0.31 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:22 | 1 |

Client Sample ID: #4
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4
Matrix: Solid
Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Barium | 88 | B | 0.91 | 0.069 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:24 | 1 |
| Boron | 18 | | 9.1 | 0.90 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:24 | 1 |
| Cadmium | 0.14 | J | 0.46 | 0.037 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:45 | 1 |
| Chromium | 17 | | 1.4 | 0.053 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:24 | 1 |
| Copper | 14 | B | 1.8 | 0.20 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:45 | 1 |

TestAmerica Denver

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Lead | 9.8 | | 0.82 | 0.25 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:45 | 1 |
| Nickel | 10 | | 3.7 | 0.11 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:45 | 1 |
| Selenium | ND | | 1.4 | 0.79 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:45 | 1 |
| Silver | ND | | 0.91 | 0.15 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:45 | 1 |
| Zinc | 44 | | 2.7 | 0.36 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:24 | 1 |

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Barium | 120 | B | 0.81 | 0.062 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:27 | 1 |
| Boron | 22 | | 8.1 | 0.80 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:27 | 1 |
| Cadmium | 0.16 | J | 0.41 | 0.033 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:48 | 1 |
| Chromium | 18 | | 1.2 | 0.047 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:27 | 1 |
| Copper | 15 | B | 1.6 | 0.18 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:48 | 1 |
| Lead | 11 | | 0.73 | 0.22 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:48 | 1 |
| Nickel | 14 | | 3.3 | 0.10 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:48 | 1 |
| Selenium | ND | | 1.2 | 0.70 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:48 | 1 |
| Silver | ND | | 0.81 | 0.13 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 23:48 | 1 |
| Zinc | 46 | | 2.4 | 0.32 | mg/Kg | ☼ | 08/30/16 14:30 | 09/01/16 04:27 | 1 |

Method: 6020 - Metals (ICP/MS)

Client Sample ID: #1

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1

Matrix: Solid

Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 4.4 | | 0.52 | 0.044 | mg/Kg | ☼ | 08/26/16 14:45 | 08/27/16 00:00 | 1 |

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 5.0 | | 0.56 | 0.047 | mg/Kg | ☼ | 08/26/16 14:45 | 08/27/16 00:26 | 1 |

Client Sample ID: #3

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3

Matrix: Solid

Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 2.4 | | 0.46 | 0.039 | mg/Kg | ☼ | 08/26/16 14:45 | 08/27/16 00:30 | 1 |

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 2.5 | | 0.58 | 0.049 | mg/Kg | ☼ | 08/26/16 14:45 | 08/27/16 00:33 | 1 |

TestAmerica Denver

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 5.0 | | 0.50 | 0.042 | mg/Kg | ☼ | 08/26/16 14:45 | 08/27/16 00:37 | 1 |

Method: 7471A - Mercury (CVAA)

Client Sample ID: #1

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1

Matrix: Solid

Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 16 | J B | 20 | 6.6 | ug/Kg | ☼ | 08/31/16 13:15 | 08/31/16 18:05 | 1 |

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 15 | J B | 22 | 7.0 | ug/Kg | ☼ | 08/31/16 13:15 | 08/31/16 18:11 | 1 |

Client Sample ID: #3

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3

Matrix: Solid

Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 12 | J B | 20 | 6.5 | ug/Kg | ☼ | 08/31/16 13:15 | 08/31/16 18:13 | 1 |

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 14 | J B | 21 | 6.7 | ug/Kg | ☼ | 08/31/16 13:15 | 08/31/16 18:15 | 1 |

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 8.0 | J B | 24 | 7.8 | ug/Kg | ☼ | 08/31/16 13:15 | 08/31/16 18:17 | 1 |

General Chemistry

Client Sample ID: #1

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1

Matrix: Solid

Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Chromium, hex | ND | | 5.6 | 2.2 | mg/Kg | ☼ | 09/07/16 09:06 | 09/07/16 16:27 | 1 |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Cr (III) | 16 | | 2.0 | 2.0 | mg/Kg | — | | 09/08/16 10:24 | 1 |
| Percent Moisture | 11.7 | | 0.1 | 0.1 | % | | | 08/24/16 09:30 | 1 |

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Chromium, hex | ND | | 5.8 | 2.3 | mg/Kg | ☼ | 09/07/16 09:06 | 09/07/16 16:27 | 1 |

TestAmerica Denver

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Cr (III) | 17 | | 2.0 | 2.0 | mg/Kg | | | 09/08/16 10:24 | 1 |
| Percent Moisture | 15.9 | | 0.1 | 0.1 | % | | | 08/24/16 09:30 | 1 |

Client Sample ID: #3
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3
Matrix: Solid
Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Chromium, hex | ND | | 5.5 | 2.2 | mg/Kg | ☼ | 09/07/16 09:06 | 09/07/16 16:27 | 1 |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Cr (III) | 16 | | 2.0 | 2.0 | mg/Kg | | | 09/08/16 10:24 | 1 |
| Percent Moisture | 10.4 | | 0.1 | 0.1 | % | | | 08/24/16 09:30 | 1 |

Client Sample ID: #4
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4
Matrix: Solid
Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Chromium, hex | ND | | 5.5 | 2.2 | mg/Kg | ☼ | 09/07/16 09:06 | 09/07/16 16:27 | 1 |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Cr (III) | 17 | | 2.0 | 2.0 | mg/Kg | | | 09/08/16 10:24 | 1 |
| Percent Moisture | 9.8 | | 0.1 | 0.1 | % | | | 08/24/16 09:30 | 1 |

Client Sample ID: #5
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5
Matrix: Solid
Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Chromium, hex | ND | | 5.8 | 2.3 | mg/Kg | ☼ | 09/07/16 09:06 | 09/07/16 16:27 | 1 |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Cr (III) | 18 | | 2.0 | 2.0 | mg/Kg | | | 09/08/16 10:24 | 1 |
| Percent Moisture | 14.6 | | 0.1 | 0.1 | % | | | 08/24/16 09:30 | 1 |

General Chemistry - Soluble

Client Sample ID: #1
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1
Matrix: Solid
Percent Solids: 88.2

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|-----|----------|---|----------------|----------------|---------|
| pH | 8.0 | | 0.1 | 0.1 | SU | | 08/23/16 10:52 | 08/25/16 17:24 | 1 |
| Specific Conductance | 5600 | | 10 | 10 | umhos/cm | | 08/23/16 10:52 | 08/26/16 16:26 | 1 |

Client Sample ID: #2
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2
Matrix: Solid
Percent Solids: 84.1

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|-----|----------|---|----------------|----------------|---------|
| pH | 8.4 | | 0.1 | 0.1 | SU | | 08/23/16 10:52 | 08/25/16 17:24 | 1 |
| Specific Conductance | 4100 | | 10 | 10 | umhos/cm | | 08/23/16 10:52 | 08/26/16 16:26 | 1 |

Client Sample ID: #3
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3
Matrix: Solid
Percent Solids: 89.6

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|-----|----------|---|----------------|----------------|---------|
| pH | 8.1 | | 0.1 | 0.1 | SU | | 08/23/16 10:52 | 08/25/16 17:24 | 1 |
| Specific Conductance | 11000 | | 10 | 10 | umhos/cm | | 08/23/16 10:52 | 08/26/16 16:26 | 1 |

TestAmerica Denver

Client Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

General Chemistry - Soluble

Client Sample ID: #4
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4
Matrix: Solid
Percent Solids: 90.2

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|-----|----------|---|----------------|----------------|---------|
| pH | 8.1 | | 0.1 | 0.1 | SU | | 08/23/16 10:52 | 08/25/16 17:24 | 1 |
| Specific Conductance | 9500 | | 10 | 10 | umhos/cm | | 08/23/16 10:52 | 08/26/16 16:26 | 1 |

Client Sample ID: #5
Date Collected: 08/18/16 11:00
Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5
Matrix: Solid
Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|-----|----------|---|----------------|----------------|---------|
| pH | 8.2 | | 0.1 | 0.1 | SU | | 08/23/16 10:52 | 08/25/16 17:24 | 1 |
| Specific Conductance | 5700 | | 10 | 10 | umhos/cm | | 08/23/16 10:52 | 08/26/16 16:26 | 1 |

Surrogate Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|--------------------|--------------------|--|------------------|-------------------|-----------------|
| | | BFB (76-127) | DBFM (75-121) | 12DCE (58-140) | TOL (80-126) |
| 280-87113-1 | #1 | 98 | 111 | 127 | 101 |
| 280-87113-1 MS | #1 | 94 | 110 | 125 | 98 |
| 280-87113-1 MSD | #1 | 100 | 106 | 113 | 97 |
| 280-87113-2 | #2 | 93 | 108 | 120 | 96 |
| 280-87113-3 | #3 | 93 | 108 | 119 | 101 |
| 280-87113-4 | #4 | 149 X | 111 | 124 | 96 |
| 280-87113-5 | #5 | 145 X | 108 | 126 | 102 |
| LCS 280-338998/2-A | Lab Control Sample | 92 | 108 | 121 | 94 |
| MB 280-338998/1-A | Method Blank | 91 | 108 | 119 | 98 |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---------------------|---------------------|--|--|--|--|
| | | TFT1 (77-123) | | | |
| 280-87113-1 | #1 | 78 | | | |
| 280-87113-2 | #2 | 76 X | | | |
| 280-87113-3 | #3 | 73 X | | | |
| 280-87113-4 | #4 | 83 D | | | |
| 280-87113-5 | #5 | 81 D | | | |
| 280-87113-F-1-H MS | 280-87113-F-1-H MS | 82 | | | |
| 280-87113-F-1-I MSD | 280-87113-F-1-I MSD | 74 X | | | |
| LCS 280-340512/2-A | Lab Control Sample | 91 | | | |
| MB 280-340512/1-A | Method Blank | 89 | | | |

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|--------------------|--------------------|--|--|--|--|
| | | OTPH1 (49-115) | | | |
| 280-87113-1 | #1 | 79 | | | |
| 280-87113-1 MS | #1 | 81 | | | |
| 280-87113-1 MSD | #1 | 79 | | | |
| 280-87113-2 | #2 | 74 | | | |
| 280-87113-3 | #3 | 109 D | | | |
| 280-87113-4 | #4 | 120 X D | | | |
| 280-87113-5 | #5 | 68 | | | |
| LCS 280-339721/2-A | Lab Control Sample | 91 | | | |
| MB 280-339721/1-A | Method Blank | 87 | | | |

TestAmerica Denver

Surrogate Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Surrogate Legend

OTPH = o-Terphenyl

| |
|----|
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-338998/1-A

Matrix: Solid

Analysis Batch: 338999

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 338998

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0050 | 0.00047 | mg/Kg | | 08/22/16 12:00 | 08/22/16 19:01 | 1 |
| Ethylbenzene | ND | | 0.0050 | 0.00067 | mg/Kg | | 08/22/16 12:00 | 08/22/16 19:01 | 1 |
| Toluene | ND | | 0.0050 | 0.00069 | mg/Kg | | 08/22/16 12:00 | 08/22/16 19:01 | 1 |
| Xylenes, Total | ND | | 0.0050 | 0.00061 | mg/Kg | | 08/22/16 12:00 | 08/22/16 19:01 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 91 | | 76 - 127 | 08/22/16 12:00 | 08/22/16 19:01 | 1 |
| Dibromofluoromethane (Surr) | 108 | | 75 - 121 | 08/22/16 12:00 | 08/22/16 19:01 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 119 | | 58 - 140 | 08/22/16 12:00 | 08/22/16 19:01 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 126 | 08/22/16 12:00 | 08/22/16 19:01 | 1 |

Lab Sample ID: LCS 280-338998/2-A

Matrix: Solid

Analysis Batch: 338999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 338998

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------|
| Benzene | 0.0500 | 0.0508 | | mg/Kg | | 102 | 75 - 135 |
| Ethylbenzene | 0.0500 | 0.0462 | | mg/Kg | | 92 | 73 - 125 |
| m-Xylene & p-Xylene | 0.0500 | 0.0485 | | mg/Kg | | 97 | 77 - 135 |
| o-Xylene | 0.0500 | 0.0458 | | mg/Kg | | 92 | 75 - 135 |
| Toluene | 0.0500 | 0.0528 | | mg/Kg | | 106 | 77 - 122 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 92 | | 76 - 127 |
| Dibromofluoromethane (Surr) | 108 | | 75 - 121 |
| 1,2-Dichloroethane-d4 (Surr) | 121 | | 58 - 140 |
| Toluene-d8 (Surr) | 94 | | 80 - 126 |

Lab Sample ID: 280-87113-1 MS

Matrix: Solid

Analysis Batch: 338999

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 338998

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|---------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------|
| Benzene | ND | | 0.0651 | 0.0572 | | mg/Kg | ☼ | 88 | 75 - 135 |
| Ethylbenzene | ND | | 0.0651 | 0.0505 | | mg/Kg | ☼ | 78 | 73 - 125 |
| m-Xylene & p-Xylene | ND | | 0.0651 | 0.0524 | | mg/Kg | ☼ | 81 | 77 - 135 |
| o-Xylene | ND | | 0.0651 | 0.0505 | | mg/Kg | ☼ | 78 | 75 - 135 |
| Toluene | ND | | 0.0651 | 0.0579 | | mg/Kg | ☼ | 89 | 77 - 122 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|------------------------------|-----------------|-----------------|----------|
| 4-Bromofluorobenzene (Surr) | 94 | | 76 - 127 |
| Dibromofluoromethane (Surr) | 110 | | 75 - 121 |
| 1,2-Dichloroethane-d4 (Surr) | 125 | | 58 - 140 |
| Toluene-d8 (Surr) | 98 | | 80 - 126 |

TestAmerica Denver

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-87113-1 MSD

Matrix: Solid

Analysis Batch: 338999

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 338998

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|----------|-----|-------|
| Benzene | ND | | 0.0635 | 0.0631 | | mg/Kg | ☼ | 99 | 75 - 135 | 10 | 20 |
| Ethylbenzene | ND | | 0.0635 | 0.0553 | | mg/Kg | ☼ | 87 | 73 - 125 | 9 | 20 |
| m-Xylene & p-Xylene | ND | | 0.0635 | 0.0552 | | mg/Kg | ☼ | 87 | 77 - 135 | 5 | 20 |
| o-Xylene | ND | | 0.0635 | 0.0547 | | mg/Kg | ☼ | 86 | 75 - 135 | 8 | 20 |
| Toluene | ND | | 0.0635 | 0.0623 | | mg/Kg | ☼ | 98 | 77 - 122 | 7 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | | 76 - 127 |
| Dibromofluoromethane (Surr) | 106 | | 75 - 121 |
| 1,2-Dichloroethane-d4 (Surr) | 113 | | 58 - 140 |
| Toluene-d8 (Surr) | 97 | | 80 - 126 |

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 280-340512/1-A

Matrix: Solid

Analysis Batch: 340491

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 340512

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|--------------|-----|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | | 1.2 | 0.33 | mg/Kg | | 09/01/16 14:22 | 09/01/16 17:30 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene | 89 | | 77 - 123 | 09/01/16 14:22 | 09/01/16 17:30 | 1 |

Lab Sample ID: LCS 280-340512/2-A

Matrix: Solid

Analysis Batch: 340491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 340512

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|--|-------------|------------|---------------|-------|---|------|----------|
| Gasoline Range Organics (GRO) -C6-C10 | 5.50 | 5.24 | | mg/Kg | | 95 | 85 - 153 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------|---------------|---------------|----------|
| a,a,a-Trifluorotoluene | 91 | | 77 - 123 |

Lab Sample ID: 280-87113-F-1-H MS

Matrix: Solid

Analysis Batch: 340491

Client Sample ID: 280-87113-F-1-H MS

Prep Type: Total/NA

Prep Batch: 340512

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|--|---------------|------------------|-------------|-----------|--------------|-------|---|------|----------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | F1 | 6.13 | 5.81 | | mg/Kg | ☼ | 95 | 85 - 153 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|------------------------|--------------|--------------|----------|
| a,a,a-Trifluorotoluene | 82 | | 77 - 123 |

TestAmerica Denver

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 280-87113-F-1-I MSD

Matrix: Solid

Analysis Batch: 340491

Client Sample ID: 280-87113-F-1-I MSD

Prep Type: Total/NA

Prep Batch: 340512

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | F1 | 6.15 | 5.07 | F1 | mg/Kg | ☼ | 82 | 85 - 153 | 14 | 30 |
| Surrogate | MSD %Recovery | MSD Qualifier | Limits | | | | | | | | |
| a,a,a-Trifluorotoluene | 74 | X | 77 - 123 | | | | | | | | |

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 280-339721/1-A

Matrix: Solid

Analysis Batch: 340070

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 339721

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------------|--------------|----------|------|-------|---|----------------|----------------|---------|
| Motor Oil (C20-C38) | ND | | 12 | 3.9 | mg/Kg | | 08/26/16 13:08 | 08/30/16 13:08 | 1 |
| Diesel Range Organics [C10-C28] | 1.46 | J | 4.0 | 0.68 | mg/Kg | | 08/26/16 13:08 | 08/30/16 13:08 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 87 | | 49 - 115 | | | | 08/26/16 13:08 | 08/30/16 13:08 | 1 |

Lab Sample ID: LCS 280-339721/2-A

Matrix: Solid

Analysis Batch: 340070

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 339721

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---------------------------------|---------------|---------------|---------------|-------|---|------|--------------|--|--|
| Diesel Range Organics [C10-C28] | 66.7 | 65.5 | | mg/Kg | | 98 | 53 - 115 | | |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | | | |
| o-Terphenyl | 91 | | 49 - 115 | | | | | | |

Lab Sample ID: 280-87113-1 MS

Matrix: Solid

Analysis Batch: 340070

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339721

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|--|--|
| Diesel Range Organics [C10-C28] | 160 | F2 F1 B | 74.8 | 138 | F1 | mg/Kg | ☼ | -35 | 56 - 115 | | |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | | | |
| o-Terphenyl | 81 | | 49 - 115 | | | | | | | | |

Lab Sample ID: 280-87113-1 MSD

Matrix: Solid

Analysis Batch: 340070

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339721

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Diesel Range Organics [C10-C28] | 160 | F2 F1 B | 75.3 | 187 | F1 F2 | mg/Kg | ☼ | 30 | 56 - 115 | 30 | 23 |

TestAmerica Denver

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---------------------|------------------|------------------|----------|
| <i>o</i> -Terphenyl | 79 | | 49 - 115 |

Method: 20B - Sodium Adsorption Ratio

Lab Sample ID: MB 280-339954/1-A
Matrix: Solid
Analysis Batch: 340444

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 339954

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------------|-----------------|-----|-----|---------|---|----------------|----------------|---------|
| Sodium Adsorption Ratio | ND | | 1.2 | 1.2 | No Unit | | 08/31/16 07:00 | 09/01/16 14:00 | 10 |

Lab Sample ID: 280-87113-2 DU
Matrix: Solid
Analysis Batch: 340444

Client Sample ID: #2
Prep Type: Soluble
Prep Batch: 339954

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|-------------------------|------------------|---------------------|--------------|-----------------|---------|---|-----|-------|
| Sodium Adsorption Ratio | 130 | | 127 | | No Unit | | 4 | 20 |

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-339930/1-A
Matrix: Solid
Analysis Batch: 340400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339930

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|-----|-------|-------|---|----------------|----------------|---------|
| Barium | 0.0990 | J | 1.0 | 0.076 | mg/Kg | | 08/30/16 14:30 | 09/01/16 04:03 | 1 |
| Boron | ND | | 10 | 0.98 | mg/Kg | | 08/30/16 14:30 | 09/01/16 04:03 | 1 |
| Chromium | ND | | 1.5 | 0.058 | mg/Kg | | 08/30/16 14:30 | 09/01/16 04:03 | 1 |
| Zinc | ND | | 3.0 | 0.40 | mg/Kg | | 08/30/16 14:30 | 09/01/16 04:03 | 1 |

Lab Sample ID: MB 280-339930/1-A
Matrix: Solid
Analysis Batch: 340630

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339930

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.50 | 0.041 | mg/Kg | | 08/30/16 14:30 | 09/01/16 23:23 | 1 |
| Copper | 0.429 | J | 2.0 | 0.22 | mg/Kg | | 08/30/16 14:30 | 09/01/16 23:23 | 1 |
| Lead | ND | | 0.90 | 0.27 | mg/Kg | | 08/30/16 14:30 | 09/01/16 23:23 | 1 |
| Nickel | ND | | 4.0 | 0.12 | mg/Kg | | 08/30/16 14:30 | 09/01/16 23:23 | 1 |
| Selenium | ND | | 1.5 | 0.86 | mg/Kg | | 08/30/16 14:30 | 09/01/16 23:23 | 1 |
| Silver | ND | | 1.0 | 0.16 | mg/Kg | | 08/30/16 14:30 | 09/01/16 23:23 | 1 |

Lab Sample ID: LCS 280-339930/2-A
Matrix: Solid
Analysis Batch: 340400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 339930

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Barium | 200 | 189 | | mg/Kg | | 95 | 87 - 112 |
| Boron | 100 | 88.8 | | mg/Kg | | 89 | 80 - 120 |
| Chromium | 20.0 | 17.5 | | mg/Kg | | 87 | 84 - 114 |
| Zinc | 50.0 | 42.0 | | mg/Kg | | 84 | 76 - 114 |

TestAmerica Denver

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 280-339930/2-A

Matrix: Solid

Analysis Batch: 340630

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 339930

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Cadmium | 10.0 | 8.92 | | mg/Kg | | 89 | 87 - 110 |
| Copper | 25.0 | 23.9 | | mg/Kg | | 95 | 88 - 110 |
| Lead | 50.0 | 45.3 | | mg/Kg | | 91 | 86 - 110 |
| Nickel | 50.0 | 45.9 | | mg/Kg | | 92 | 87 - 110 |
| Selenium | 200 | 181 | | mg/Kg | | 90 | 83 - 110 |
| Silver | 5.00 | 5.25 | | mg/Kg | | 105 | 87 - 114 |

Lab Sample ID: 280-87113-1 MS

Matrix: Solid

Analysis Batch: 340400

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339930

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Barium | 130 | B | 177 | 251 | | mg/Kg | ☼ | 69 | 52 - 159 |
| Boron | 19 | F1 | 88.4 | 84.7 | F1 | mg/Kg | ☼ | 74 | 80 - 120 |
| Chromium | 16 | | 17.7 | 30.2 | | mg/Kg | ☼ | 83 | 70 - 200 |
| Zinc | 43 | F1 | 44.2 | 71.5 | F1 | mg/Kg | ☼ | 65 | 70 - 200 |

Lab Sample ID: 280-87113-1 MS

Matrix: Solid

Analysis Batch: 340630

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339930

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Cadmium | 0.27 | J | 8.84 | 7.04 | | mg/Kg | ☼ | 77 | 40 - 130 |
| Copper | 14 | B | 22.1 | 32.2 | | mg/Kg | ☼ | 81 | 37 - 187 |
| Lead | 11 | | 44.2 | 43.2 | | mg/Kg | ☼ | 74 | 70 - 200 |
| Nickel | 12 | | 44.2 | 44.1 | | mg/Kg | ☼ | 72 | 61 - 126 |
| Selenium | ND | | 177 | 139 | | mg/Kg | ☼ | 79 | 76 - 104 |
| Silver | ND | | 4.42 | 4.40 | | mg/Kg | ☼ | 100 | 75 - 141 |

Lab Sample ID: 280-87113-1 MSD

Matrix: Solid

Analysis Batch: 340400

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339930

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Barium | 130 | B | 184 | 284 | | mg/Kg | ☼ | 84 | 52 - 159 | 12 | 20 |
| Boron | 19 | F1 | 92.0 | 96.6 | | mg/Kg | ☼ | 84 | 80 - 120 | 13 | 20 |
| Chromium | 16 | | 18.4 | 34.0 | | mg/Kg | ☼ | 100 | 70 - 200 | 12 | 20 |
| Zinc | 43 | F1 | 46.0 | 79.2 | | mg/Kg | ☼ | 80 | 70 - 200 | 10 | 20 |

Lab Sample ID: 280-87113-1 MSD

Matrix: Solid

Analysis Batch: 340630

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339930

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Cadmium | 0.27 | J | 9.20 | 7.84 | | mg/Kg | ☼ | 82 | 40 - 130 | 11 | 20 |
| Copper | 14 | B | 23.0 | 35.9 | | mg/Kg | ☼ | 94 | 37 - 187 | 11 | 20 |
| Lead | 11 | | 46.0 | 45.9 | | mg/Kg | ☼ | 77 | 70 - 200 | 6 | 20 |
| Nickel | 12 | | 46.0 | 48.2 | | mg/Kg | ☼ | 78 | 61 - 126 | 9 | 20 |
| Selenium | ND | | 184 | 150 | | mg/Kg | ☼ | 82 | 76 - 104 | 8 | 20 |

TestAmerica Denver

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 280-87113-1 MSD

Matrix: Solid

Analysis Batch: 340630

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339930

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Silver | ND | | 4.60 | 4.79 | | mg/Kg | ✱ | 104 | 75 - 141 | 8 | 20 |

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 280-339367/1-A

Matrix: Solid

Analysis Batch: 339910

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 339367

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | ND | | 0.60 | 0.051 | mg/Kg | | 08/26/16 14:45 | 08/26/16 23:52 | 1 |

Lab Sample ID: LCS 280-339367/2-A

Matrix: Solid

Analysis Batch: 339910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 339367

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|-------|---|------|--------------|
| Arsenic | 20.0 | 18.8 | | mg/Kg | | 94 | 83 - 111 |

Lab Sample ID: 280-87113-1 MS

Matrix: Solid

Analysis Batch: 339910

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339367

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Arsenic | 4.4 | | 15.9 | 18.8 | | mg/Kg | ✱ | 91 | 83 - 111 |

Lab Sample ID: 280-87113-1 MSD

Matrix: Solid

Analysis Batch: 339910

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 339367

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Arsenic | 4.4 | | 16.6 | 20.8 | | mg/Kg | ✱ | 99 | 83 - 111 | 10 | 20 |

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 280-340265/1-A

Matrix: Solid

Analysis Batch: 340414

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 340265

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|----|-----|-------|---|----------------|----------------|---------|
| Mercury | 5.83 | J | 17 | 5.5 | ug/Kg | | 08/31/16 13:15 | 08/31/16 17:26 | 1 |

Lab Sample ID: LCS 280-340265/2-A

Matrix: Solid

Analysis Batch: 340414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 340265

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|-------|---|------|--------------|
| Mercury | 417 | 426 | | ug/Kg | | 102 | 87 - 111 |

TestAmerica Denver

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 680-129267-A-12-H MS

Matrix: Solid

Analysis Batch: 340414

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 340265

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|----------|
| Mercury | 48 | B | 1140 | 1180 | | ug/Kg | ☼ | 100 | 87 - 111 |

Lab Sample ID: 680-129267-A-12-I MSD

Matrix: Solid

Analysis Batch: 340414

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 340265

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|----------|-----|-------|
| Mercury | 48 | B | 1030 | 1040 | | ug/Kg | ☼ | 96 | 87 - 111 | 13 | 20 |

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 490-368183/1-A

Matrix: Solid

Analysis Batch: 368433

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 368183

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Chromium, hex | ND | | 5.0 | 2.0 | mg/Kg | | 09/07/16 09:06 | 09/07/16 16:27 | 1 |

Lab Sample ID: LCSi 490-368183/4-A

Matrix: Solid

Analysis Batch: 368433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 368183

| Analyte | Spike Added | LCSi Result | LCSi Qualifier | Unit | D | %Rec | Limits |
|---------------|-------------|-------------|----------------|-------|---|------|----------|
| Chromium, hex | 64.7 | 60.9 | | mg/Kg | | 94 | 80 - 120 |

Lab Sample ID: LCSS 490-368183/2-A

Matrix: Solid

Analysis Batch: 368433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 368183

| Analyte | Spike Added | LCSS Result | LCSS Qualifier | Unit | D | %Rec | Limits |
|---------------|-------------|-------------|----------------|-------|---|------|----------|
| Chromium, hex | 39.2 | 40.9 | | mg/Kg | | 105 | 80 - 120 |

Lab Sample ID: LCSSD 490-368183/3-A

Matrix: Solid

Analysis Batch: 368433

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 368183

| Analyte | Spike Added | LCSSD Result | LCSSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------------|-------------|--------------|-----------------|-------|---|------|----------|-----|-------|
| Chromium, hex | 39.1 | 40.9 | | mg/Kg | | 105 | 80 - 120 | 0 | 20 |

Lab Sample ID: 280-87113-1 MSI

Matrix: Solid

Analysis Batch: 368433

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 368183

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSI Result | MSI Qualifier | Unit | D | %Rec | Limits |
|---------------|---------------|------------------|-------------|------------|---------------|-------|---|------|----------|
| Chromium, hex | ND | | 73.3 | 62.7 | | mg/Kg | ☼ | 85 | 75 - 125 |

TestAmerica Denver

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 280-87113-1 MSS

Matrix: Solid

Analysis Batch: 368433

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 368183

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSS Result | MSS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|
| Chromium, hex | ND | | 44.9 | 40.5 | | mg/Kg | ☼ | 90 | 75 - 125 |

Lab Sample ID: 280-87113-1 DU

Matrix: Solid

Analysis Batch: 368433

Client Sample ID: #1

Prep Type: Total/NA

Prep Batch: 368183

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|---------------|---------------|------------------|-----------|--------------|-------|---|-----|-------|
| Chromium, hex | ND | | ND | | mg/Kg | ☼ | NC | 20 |

Method: 7196A - Chromium, Trivalent (Colorimetric)

Lab Sample ID: MB 280-341307/1

Matrix: Solid

Analysis Batch: 341307

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|-------|---|----------|----------------|---------|
| Cr (III) | ND | | 2.0 | 2.0 | mg/Kg | | | 09/08/16 10:24 | 1 |

Method: 9040C - pH

Lab Sample ID: LCS 490-365911/1

Matrix: Solid

Analysis Batch: 365911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| pH | 7.00 | 7.0 | | SU | | 100 | 98 - 103 |

Method: 9050A - Specific Conductance

Lab Sample ID: LCS 490-365878/3

Matrix: Solid

Analysis Batch: 365878

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|----------|---|------|--------------|
| Specific Conductance | 1410 | 1360 | | umhos/cm | | 97 | 90 - 110 |

Lab Sample ID: 280-87113-1 DU

Matrix: Solid

Analysis Batch: 365878

Client Sample ID: #1

Prep Type: Soluble

Prep Batch: 364805

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|----------------------|---------------|------------------|-----------|--------------|----------|---|-----|-------|
| Specific Conductance | 5600 | | 5580 | | umhos/cm | | 0.2 | 10 |

TestAmerica Denver

QC Sample Results

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Method: Moisture - Percent Moisture

Lab Sample ID: 280-87174-A-6 DU
Matrix: Solid
Analysis Batch: 339291

Client Sample ID: Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|------------------|---------------|------------------|-----------|--------------|------|---|-----|-------|
| Percent Moisture | 2.2 | | 2.1 | | % | — | 4 | 20 |

QC Association Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

GC/MS VOA

Prep Batch: 338998

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 5030B | |
| 280-87113-2 | #2 | Total/NA | Solid | 5030B | |
| 280-87113-3 | #3 | Total/NA | Solid | 5030B | |
| 280-87113-4 | #4 | Total/NA | Solid | 5030B | |
| 280-87113-5 | #5 | Total/NA | Solid | 5030B | |
| MB 280-338998/1-A | Method Blank | Total/NA | Solid | 5030B | |
| LCS 280-338998/2-A | Lab Control Sample | Total/NA | Solid | 5030B | |
| 280-87113-1 MS | #1 | Total/NA | Solid | 5030B | |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 5030B | |

Analysis Batch: 338999

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 8260B | 338998 |
| 280-87113-2 | #2 | Total/NA | Solid | 8260B | 338998 |
| 280-87113-3 | #3 | Total/NA | Solid | 8260B | 338998 |
| 280-87113-4 | #4 | Total/NA | Solid | 8260B | 338998 |
| 280-87113-5 | #5 | Total/NA | Solid | 8260B | 338998 |
| MB 280-338998/1-A | Method Blank | Total/NA | Solid | 8260B | 338998 |
| LCS 280-338998/2-A | Lab Control Sample | Total/NA | Solid | 8260B | 338998 |
| 280-87113-1 MS | #1 | Total/NA | Solid | 8260B | 338998 |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 8260B | 338998 |

GC VOA

Analysis Batch: 340491

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 8015B | 340512 |
| 280-87113-2 | #2 | Total/NA | Solid | 8015B | 340512 |
| 280-87113-3 | #3 | Total/NA | Solid | 8015B | 340512 |
| 280-87113-4 | #4 | Total/NA | Solid | 8015B | 340512 |
| 280-87113-5 | #5 | Total/NA | Solid | 8015B | 340512 |
| MB 280-340512/1-A | Method Blank | Total/NA | Solid | 8015B | 340512 |
| LCS 280-340512/2-A | Lab Control Sample | Total/NA | Solid | 8015B | 340512 |
| 280-87113-F-1-H MS | 280-87113-F-1-H MS | Total/NA | Solid | 8015B | 340512 |
| 280-87113-F-1-I MSD | 280-87113-F-1-I MSD | Total/NA | Solid | 8015B | 340512 |

Prep Batch: 340512

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 5030B | |
| 280-87113-2 | #2 | Total/NA | Solid | 5030B | |
| 280-87113-3 | #3 | Total/NA | Solid | 5030B | |
| 280-87113-4 | #4 | Total/NA | Solid | 5030B | |
| 280-87113-5 | #5 | Total/NA | Solid | 5030B | |
| MB 280-340512/1-A | Method Blank | Total/NA | Solid | 5030B | |
| LCS 280-340512/2-A | Lab Control Sample | Total/NA | Solid | 5030B | |
| 280-87113-F-1-H MS | 280-87113-F-1-H MS | Total/NA | Solid | 5030B | |
| 280-87113-F-1-I MSD | 280-87113-F-1-I MSD | Total/NA | Solid | 5030B | |

TestAmerica Denver

QC Association Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

GC Semi VOA

Prep Batch: 339721

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 3546 | |
| 280-87113-2 | #2 | Total/NA | Solid | 3546 | |
| 280-87113-3 | #3 | Total/NA | Solid | 3546 | |
| 280-87113-4 | #4 | Total/NA | Solid | 3546 | |
| 280-87113-5 | #5 | Total/NA | Solid | 3546 | |
| MB 280-339721/1-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 280-339721/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| 280-87113-1 MS | #1 | Total/NA | Solid | 3546 | |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 3546 | |

Analysis Batch: 340070

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 8015B | 339721 |
| 280-87113-2 | #2 | Total/NA | Solid | 8015B | 339721 |
| 280-87113-5 | #5 | Total/NA | Solid | 8015B | 339721 |
| MB 280-339721/1-A | Method Blank | Total/NA | Solid | 8015B | 339721 |
| LCS 280-339721/2-A | Lab Control Sample | Total/NA | Solid | 8015B | 339721 |
| 280-87113-1 MS | #1 | Total/NA | Solid | 8015B | 339721 |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 8015B | 339721 |

Analysis Batch: 340351

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 280-87113-3 | #3 | Total/NA | Solid | 8015B | 339721 |
| 280-87113-4 | #4 | Total/NA | Solid | 8015B | 339721 |

Metals

Prep Batch: 339367

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 3050B | |
| 280-87113-2 | #2 | Total/NA | Solid | 3050B | |
| 280-87113-3 | #3 | Total/NA | Solid | 3050B | |
| 280-87113-4 | #4 | Total/NA | Solid | 3050B | |
| 280-87113-5 | #5 | Total/NA | Solid | 3050B | |
| MB 280-339367/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 280-339367/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| 280-87113-1 MS | #1 | Total/NA | Solid | 3050B | |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 3050B | |

Analysis Batch: 339910

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 6020 | 339367 |
| 280-87113-2 | #2 | Total/NA | Solid | 6020 | 339367 |
| 280-87113-3 | #3 | Total/NA | Solid | 6020 | 339367 |
| 280-87113-4 | #4 | Total/NA | Solid | 6020 | 339367 |
| 280-87113-5 | #5 | Total/NA | Solid | 6020 | 339367 |
| MB 280-339367/1-A | Method Blank | Total/NA | Solid | 6020 | 339367 |
| LCS 280-339367/2-A | Lab Control Sample | Total/NA | Solid | 6020 | 339367 |
| 280-87113-1 MS | #1 | Total/NA | Solid | 6020 | 339367 |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 6020 | 339367 |

TestAmerica Denver

QC Association Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Metals (Continued)

Prep Batch: 339930

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 3050B | |
| 280-87113-2 | #2 | Total/NA | Solid | 3050B | |
| 280-87113-3 | #3 | Total/NA | Solid | 3050B | |
| 280-87113-4 | #4 | Total/NA | Solid | 3050B | |
| 280-87113-5 | #5 | Total/NA | Solid | 3050B | |
| MB 280-339930/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 280-339930/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| 280-87113-1 MS | #1 | Total/NA | Solid | 3050B | |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 3050B | |

Prep Batch: 339954

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Soluble | Solid | 20B | |
| 280-87113-2 | #2 | Soluble | Solid | 20B | |
| 280-87113-3 | #3 | Soluble | Solid | 20B | |
| 280-87113-4 | #4 | Soluble | Solid | 20B | |
| 280-87113-5 | #5 | Soluble | Solid | 20B | |
| MB 280-339954/1-A | Method Blank | Soluble | Solid | 20B | |
| 280-87113-2 DU | #2 | Soluble | Solid | 20B | |

Prep Batch: 340265

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|------------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 7471A | |
| 280-87113-2 | #2 | Total/NA | Solid | 7471A | |
| 280-87113-3 | #3 | Total/NA | Solid | 7471A | |
| 280-87113-4 | #4 | Total/NA | Solid | 7471A | |
| 280-87113-5 | #5 | Total/NA | Solid | 7471A | |
| MB 280-340265/1-A | Method Blank | Total/NA | Solid | 7471A | |
| LCS 280-340265/2-A | Lab Control Sample | Total/NA | Solid | 7471A | |
| 680-129267-A-12-H MS | Matrix Spike | Total/NA | Solid | 7471A | |
| 680-129267-A-12-I MSD | Matrix Spike Duplicate | Total/NA | Solid | 7471A | |

Analysis Batch: 340400

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-2 | #2 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-3 | #3 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-4 | #4 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-5 | #5 | Total/NA | Solid | 6010B | 339930 |
| MB 280-339930/1-A | Method Blank | Total/NA | Solid | 6010B | 339930 |
| LCS 280-339930/2-A | Lab Control Sample | Total/NA | Solid | 6010B | 339930 |
| 280-87113-1 MS | #1 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 6010B | 339930 |

Analysis Batch: 340414

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 7471A | 340265 |
| 280-87113-2 | #2 | Total/NA | Solid | 7471A | 340265 |
| 280-87113-3 | #3 | Total/NA | Solid | 7471A | 340265 |
| 280-87113-4 | #4 | Total/NA | Solid | 7471A | 340265 |
| 280-87113-5 | #5 | Total/NA | Solid | 7471A | 340265 |

TestAmerica Denver

QC Association Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Metals (Continued)

Analysis Batch: 340414 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|------------------------|-----------|--------|--------|------------|
| MB 280-340265/1-A | Method Blank | Total/NA | Solid | 7471A | 340265 |
| LCS 280-340265/2-A | Lab Control Sample | Total/NA | Solid | 7471A | 340265 |
| 680-129267-A-12-H MS | Matrix Spike | Total/NA | Solid | 7471A | 340265 |
| 680-129267-A-12-I MSD | Matrix Spike Duplicate | Total/NA | Solid | 7471A | 340265 |

Analysis Batch: 340444

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Soluble | Solid | 20B | 339954 |
| 280-87113-2 | #2 | Soluble | Solid | 20B | 339954 |
| 280-87113-3 | #3 | Soluble | Solid | 20B | 339954 |
| 280-87113-4 | #4 | Soluble | Solid | 20B | 339954 |
| 280-87113-5 | #5 | Soluble | Solid | 20B | 339954 |
| MB 280-339954/1-A | Method Blank | Soluble | Solid | 20B | 339954 |
| 280-87113-2 DU | #2 | Soluble | Solid | 20B | 339954 |

Analysis Batch: 340630

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-2 | #2 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-3 | #3 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-4 | #4 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-5 | #5 | Total/NA | Solid | 6010B | 339930 |
| MB 280-339930/1-A | Method Blank | Total/NA | Solid | 6010B | 339930 |
| LCS 280-339930/2-A | Lab Control Sample | Total/NA | Solid | 6010B | 339930 |
| 280-87113-1 MS | #1 | Total/NA | Solid | 6010B | 339930 |
| 280-87113-1 MSD | #1 | Total/NA | Solid | 6010B | 339930 |

General Chemistry

Analysis Batch: 339291

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|----------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | Moisture | |
| 280-87113-2 | #2 | Total/NA | Solid | Moisture | |
| 280-87113-3 | #3 | Total/NA | Solid | Moisture | |
| 280-87113-4 | #4 | Total/NA | Solid | Moisture | |
| 280-87113-5 | #5 | Total/NA | Solid | Moisture | |
| 280-87174-A-6 DU | Duplicate | Total/NA | Solid | Moisture | |

Analysis Batch: 341307

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 7196A | |
| 280-87113-2 | #2 | Total/NA | Solid | 7196A | |
| 280-87113-3 | #3 | Total/NA | Solid | 7196A | |
| 280-87113-4 | #4 | Total/NA | Solid | 7196A | |
| 280-87113-5 | #5 | Total/NA | Solid | 7196A | |
| MB 280-341307/1 | Method Blank | Total/NA | Solid | 7196A | |

Prep Batch: 364805

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 280-87113-1 | #1 | Soluble | Solid | Sat Paste Ext | |

TestAmerica Denver

QC Association Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

General Chemistry (Continued)

Prep Batch: 364805 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|---------------|------------|
| 280-87113-2 | #2 | Soluble | Solid | Sat Paste Ext | |
| 280-87113-3 | #3 | Soluble | Solid | Sat Paste Ext | |
| 280-87113-4 | #4 | Soluble | Solid | Sat Paste Ext | |
| 280-87113-5 | #5 | Soluble | Solid | Sat Paste Ext | |
| 280-87113-1 DU | #1 | Soluble | Solid | Sat Paste Ext | |

Analysis Batch: 365878

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Soluble | Solid | 9050A | 364805 |
| 280-87113-2 | #2 | Soluble | Solid | 9050A | 364805 |
| 280-87113-3 | #3 | Soluble | Solid | 9050A | 364805 |
| 280-87113-4 | #4 | Soluble | Solid | 9050A | 364805 |
| 280-87113-5 | #5 | Soluble | Solid | 9050A | 364805 |
| LCS 490-365878/3 | Lab Control Sample | Total/NA | Solid | 9050A | |
| 280-87113-1 DU | #1 | Soluble | Solid | 9050A | 364805 |

Analysis Batch: 365911

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Soluble | Solid | 9040C | 364805 |
| 280-87113-2 | #2 | Soluble | Solid | 9040C | 364805 |
| 280-87113-3 | #3 | Soluble | Solid | 9040C | 364805 |
| 280-87113-4 | #4 | Soluble | Solid | 9040C | 364805 |
| 280-87113-5 | #5 | Soluble | Solid | 9040C | 364805 |
| LCS 490-365911/1 | Lab Control Sample | Total/NA | Solid | 9040C | |

Prep Batch: 368183

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 3060A | |
| 280-87113-2 | #2 | Total/NA | Solid | 3060A | |
| 280-87113-3 | #3 | Total/NA | Solid | 3060A | |
| 280-87113-4 | #4 | Total/NA | Solid | 3060A | |
| 280-87113-5 | #5 | Total/NA | Solid | 3060A | |
| MB 490-368183/1-A | Method Blank | Total/NA | Solid | 3060A | |
| LCSI 490-368183/4-A | Lab Control Sample | Total/NA | Solid | 3060A | |
| LCSS 490-368183/2-A | Lab Control Sample | Total/NA | Solid | 3060A | |
| LCSSD 490-368183/3-A | Lab Control Sample Dup | Total/NA | Solid | 3060A | |
| 280-87113-1 MSI | #1 | Total/NA | Solid | 3060A | |
| 280-87113-1 MSS | #1 | Total/NA | Solid | 3060A | |
| 280-87113-1 DU | #1 | Total/NA | Solid | 3060A | |

Analysis Batch: 368433

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 280-87113-1 | #1 | Total/NA | Solid | 7196A | 368183 |
| 280-87113-2 | #2 | Total/NA | Solid | 7196A | 368183 |
| 280-87113-3 | #3 | Total/NA | Solid | 7196A | 368183 |
| 280-87113-4 | #4 | Total/NA | Solid | 7196A | 368183 |
| 280-87113-5 | #5 | Total/NA | Solid | 7196A | 368183 |
| MB 490-368183/1-A | Method Blank | Total/NA | Solid | 7196A | 368183 |
| LCSI 490-368183/4-A | Lab Control Sample | Total/NA | Solid | 7196A | 368183 |
| LCSS 490-368183/2-A | Lab Control Sample | Total/NA | Solid | 7196A | 368183 |
| LCSSD 490-368183/3-A | Lab Control Sample Dup | Total/NA | Solid | 7196A | 368183 |

TestAmerica Denver

QC Association Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

General Chemistry (Continued)

Analysis Batch: 368433 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 280-87113-1 MSI | #1 | Total/NA | Solid | 7196A | 368183 |
| 280-87113-1 MSS | #1 | Total/NA | Solid | 7196A | 368183 |
| 280-87113-1 DU | #1 | Total/NA | Solid | 7196A | 368183 |

Lab Chronicle

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Client Sample ID: #1

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble | Prep | 20B | | | 1.0 g | 1.0 mL | 339954 | 08/31/16 07:00 | TEB | TAL DEN |
| Soluble | Analysis | 20B | | 10 | | | 340444 | 09/01/16 14:05 | CRR | TAL DEN |
| Total/NA | Analysis | 7196A | | 1 | | | 341307 | 09/08/16 10:24 | DEG | TAL DEN |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9040C | | 1 | | | 365911 | 08/25/16 17:24 | AML | TAL NSH |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9050A | | 1 | | | 365878 | 08/26/16 16:26 | YSJ | TAL NSH |
| Total/NA | Analysis | Moisture | | 1 | | | 339291 | 08/24/16 09:30 | IEU | TAL DEN |

Client Sample ID: #1

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-1

Matrix: Solid

Percent Solids: 88.2

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5030B | | | 4.190 g | 5 mL | 338998 | 08/22/16 12:00 | ADD | TAL DEN |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 mL | 338999 | 08/22/16 23:42 | ADD | TAL DEN |
| Total/NA | Prep | 5030B | | | 10.12 g | 10 mL | 340512 | 09/01/16 14:22 | NAS | TAL DEN |
| Total/NA | Analysis | 8015B | | 1 | 0.1 mL | 5 mL | 340491 | 09/01/16 18:20 | NAS | TAL DEN |
| Total/NA | Prep | 3546 | | | 30.1 g | 1 mL | 339721 | 08/26/16 13:08 | TEB | TAL DEN |
| Total/NA | Analysis | 8015B | | 1 | | | 340070 | 08/30/16 16:01 | TEM | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.359 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340400 | 09/01/16 04:08 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.359 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340630 | 09/01/16 23:29 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.296 g | 100 mL | 339367 | 08/26/16 14:45 | SEJ | TAL DEN |
| Total/NA | Analysis | 6020 | | 1 | | | 339910 | 08/27/16 00:00 | JM | TAL DEN |
| Total/NA | Prep | 7471A | | | 0.57 g | 50 mL | 340265 | 08/31/16 13:15 | CDH | TAL DEN |
| Total/NA | Analysis | 7471A | | 1 | | | 340414 | 08/31/16 18:05 | CDH | TAL DEN |
| Total/NA | Prep | 3060A | | | 2.5280 g | 500 mL | 368183 | 09/07/16 09:06 | BLM | TAL NSH |
| Total/NA | Analysis | 7196A | | 1 | 50 mL | 50 mL | 368433 | 09/07/16 16:27 | BLM | TAL NSH |

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble | Prep | 20B | | | 1.0 g | 1.0 mL | 339954 | 08/31/16 07:00 | TEB | TAL DEN |
| Soluble | Analysis | 20B | | 10 | | | 340444 | 09/01/16 14:08 | CRR | TAL DEN |
| Total/NA | Analysis | 7196A | | 1 | | | 341307 | 09/08/16 10:24 | DEG | TAL DEN |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9040C | | 1 | | | 365911 | 08/25/16 17:24 | AML | TAL NSH |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9050A | | 1 | | | 365878 | 08/26/16 16:26 | YSJ | TAL NSH |

TestAmerica Denver

Lab Chronicle

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 339291 | 08/24/16 09:30 | IEU | TAL DEN |

Client Sample ID: #2

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-2

Matrix: Solid

Percent Solids: 84.1

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5030B | | | 4.430 g | 5 mL | 338998 | 08/22/16 12:00 | ADD | TAL DEN |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 mL | 338999 | 08/23/16 00:42 | ADD | TAL DEN |
| Total/NA | Prep | 5030B | | | 9.95 g | 10 mL | 340512 | 09/01/16 14:22 | NAS | TAL DEN |
| Total/NA | Analysis | 8015B | | 1 | 0.1 mL | 5 mL | 340491 | 09/01/16 19:35 | NAS | TAL DEN |
| Total/NA | Prep | 3546 | | | 30.0 g | 1 mL | 339721 | 08/26/16 13:08 | TEB | TAL DEN |
| Total/NA | Analysis | 8015B | | 1 | | | 340070 | 08/30/16 17:27 | TEM | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.119 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340400 | 09/01/16 04:19 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.119 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340630 | 09/01/16 23:40 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.271 g | 100 mL | 339367 | 08/26/16 14:45 | SEJ | TAL DEN |
| Total/NA | Analysis | 6020 | | 1 | | | 339910 | 08/27/16 00:26 | JM | TAL DEN |
| Total/NA | Prep | 7471A | | | 0.56 g | 50 mL | 340265 | 08/31/16 13:15 | CDH | TAL DEN |
| Total/NA | Analysis | 7471A | | 1 | | | 340414 | 08/31/16 18:11 | CDH | TAL DEN |
| Total/NA | Prep | 3060A | | | 2.5414 g | 500 mL | 368183 | 09/07/16 09:06 | BLM | TAL NSH |
| Total/NA | Analysis | 7196A | | 1 | 50 mL | 50 mL | 368433 | 09/07/16 16:27 | BLM | TAL NSH |

Client Sample ID: #3

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble | Prep | 20B | | | 1.0 g | 1.0 mL | 339954 | 08/31/16 07:00 | TEB | TAL DEN |
| Soluble | Analysis | 20B | | 10 | | | 340444 | 09/01/16 14:15 | CRR | TAL DEN |
| Total/NA | Analysis | 7196A | | 1 | | | 341307 | 09/08/16 10:24 | DEG | TAL DEN |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9040C | | 1 | | | 365911 | 08/25/16 17:24 | AML | TAL NSH |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9050A | | 1 | | | 365878 | 08/26/16 16:26 | YSJ | TAL NSH |
| Total/NA | Analysis | Moisture | | 1 | | | 339291 | 08/24/16 09:30 | IEU | TAL DEN |

TestAmerica Denver

Lab Chronicle

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Client Sample ID: #3

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-3

Matrix: Solid

Percent Solids: 89.6

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5030B | | | 4.580 g | 5 mL | 338998 | 08/22/16 12:00 | ADD | TAL DEN |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 mL | 338999 | 08/23/16 01:02 | ADD | TAL DEN |
| Total/NA | Prep | 5030B | | | 10.21 g | 10 mL | 340512 | 09/01/16 14:22 | NAS | TAL DEN |
| Total/NA | Analysis | 8015B | | 1 | 0.1 mL | 5 mL | 340491 | 09/01/16 20:00 | NAS | TAL DEN |
| Total/NA | Prep | 3546 | | | 30.2 g | 1 mL | 339721 | 08/26/16 13:08 | TEB | TAL DEN |
| Total/NA | Analysis | 8015B | | 5 | | | 340351 | 09/01/16 10:56 | TEM | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.412 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340400 | 09/01/16 04:22 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.412 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340630 | 09/01/16 23:42 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.441 g | 100 mL | 339367 | 08/26/16 14:45 | SEJ | TAL DEN |
| Total/NA | Analysis | 6020 | | 1 | | | 339910 | 08/27/16 00:30 | JM | TAL DEN |
| Total/NA | Prep | 7471A | | | 0.57 g | 50 mL | 340265 | 08/31/16 13:15 | CDH | TAL DEN |
| Total/NA | Analysis | 7471A | | 1 | | | 340414 | 08/31/16 18:13 | CDH | TAL DEN |
| Total/NA | Prep | 3060A | | | 2.5263 g | 500 mL | 368183 | 09/07/16 09:06 | BLM | TAL NSH |
| Total/NA | Analysis | 7196A | | 1 | 50 mL | 50 mL | 368433 | 09/07/16 16:27 | BLM | TAL NSH |

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble | Prep | 20B | | | 1.0 g | 1.0 mL | 339954 | 08/31/16 07:00 | TEB | TAL DEN |
| Soluble | Analysis | 20B | | 10 | | | 340444 | 09/01/16 14:18 | CRR | TAL DEN |
| Total/NA | Analysis | 7196A | | 1 | | | 341307 | 09/08/16 10:24 | DEG | TAL DEN |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9040C | | 1 | | | 365911 | 08/25/16 17:24 | AML | TAL NSH |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9050A | | 1 | | | 365878 | 08/26/16 16:26 | YSJ | TAL NSH |
| Total/NA | Analysis | Moisture | | 1 | | | 339291 | 08/24/16 09:30 | IEU | TAL DEN |

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5030B | | | 4.477 g | 5 mL | 338998 | 08/22/16 12:00 | ADD | TAL DEN |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 mL | 338999 | 08/23/16 01:22 | ADD | TAL DEN |
| Total/NA | Prep | 5030B | | | 10.02 g | 10 mL | 340512 | 09/01/16 14:22 | NAS | TAL DEN |
| Total/NA | Analysis | 8015B | | 5 | 0.1 mL | 5 mL | 340491 | 09/01/16 20:25 | NAS | TAL DEN |
| Total/NA | Prep | 3546 | | | 30.4 g | 1 mL | 339721 | 08/26/16 13:08 | TEB | TAL DEN |
| Total/NA | Analysis | 8015B | | 5 | | | 340351 | 09/01/16 11:24 | TEM | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.213 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |

TestAmerica Denver

Lab Chronicle

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Client Sample ID: #4

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-4

Matrix: Solid

Percent Solids: 90.2

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 6010B | | 1 | | | 340400 | 09/01/16 04:24 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.213 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340630 | 09/01/16 23:45 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.154 g | 100 mL | 339367 | 08/26/16 14:45 | SEJ | TAL DEN |
| Total/NA | Analysis | 6020 | | 1 | | | 339910 | 08/27/16 00:33 | JM | TAL DEN |
| Total/NA | Prep | 7471A | | | 0.55 g | 50 mL | 340265 | 08/31/16 13:15 | CDH | TAL DEN |
| Total/NA | Analysis | 7471A | | 1 | | | 340414 | 08/31/16 18:15 | CDH | TAL DEN |
| Total/NA | Prep | 3060A | | | 2.5379 g | 500 mL | 368183 | 09/07/16 09:06 | BLM | TAL NSH |
| Total/NA | Analysis | 7196A | | 1 | 50 mL | 50 mL | 368433 | 09/07/16 16:27 | BLM | TAL NSH |

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble | Prep | 20B | | | 1.0 g | 1.0 mL | 339954 | 08/31/16 07:00 | TEB | TAL DEN |
| Soluble | Analysis | 20B | | 10 | | | 340444 | 09/01/16 14:21 | CRR | TAL DEN |
| Total/NA | Analysis | 7196A | | 1 | | | 341307 | 09/08/16 10:24 | DEG | TAL DEN |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9040C | | 1 | | | 365911 | 08/25/16 17:24 | AML | TAL NSH |
| Soluble | Prep | Sat Paste Ext | | | 1 g | 1 mL | 364805 | 08/23/16 10:52 | AAB | TAL NSH |
| Soluble | Analysis | 9050A | | 1 | | | 365878 | 08/26/16 16:26 | YSJ | TAL NSH |
| Total/NA | Analysis | Moisture | | 1 | | | 339291 | 08/24/16 09:30 | IEU | TAL DEN |

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

Percent Solids: 85.4

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5030B | | | 4.891 g | 5 mL | 338998 | 08/22/16 12:00 | ADD | TAL DEN |
| Total/NA | Analysis | 8260B | | 1 | 5 g | 5 mL | 338999 | 08/23/16 01:42 | ADD | TAL DEN |
| Total/NA | Prep | 5030B | | | 9.96 g | 10 mL | 340512 | 09/01/16 14:22 | NAS | TAL DEN |
| Total/NA | Analysis | 8015B | | 5 | 0.1 mL | 5 mL | 340491 | 09/01/16 20:50 | NAS | TAL DEN |
| Total/NA | Prep | 3546 | | | 30.3 g | 1 mL | 339721 | 08/26/16 13:08 | TEB | TAL DEN |
| Total/NA | Analysis | 8015B | | 1 | | | 340070 | 08/30/16 19:49 | TEM | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.437 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340400 | 09/01/16 04:27 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.437 g | 100 mL | 339930 | 08/30/16 14:30 | SEJ | TAL DEN |
| Total/NA | Analysis | 6010B | | 1 | | | 340630 | 09/01/16 23:48 | CMK | TAL DEN |
| Total/NA | Prep | 3050B | | | 1.414 g | 100 mL | 339367 | 08/26/16 14:45 | SEJ | TAL DEN |
| Total/NA | Analysis | 6020 | | 1 | | | 339910 | 08/27/16 00:37 | JM | TAL DEN |
| Total/NA | Prep | 7471A | | | 0.50 g | 50 mL | 340265 | 08/31/16 13:15 | CDH | TAL DEN |
| Total/NA | Analysis | 7471A | | 1 | | | 340414 | 08/31/16 18:17 | CDH | TAL DEN |

TestAmerica Denver

Lab Chronicle

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Client Sample ID: #5

Date Collected: 08/18/16 11:00

Date Received: 08/19/16 18:11

Lab Sample ID: 280-87113-5

Matrix: Solid

Percent Solids: 85.4

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3060A | | | 2.5366 g | 500 mL | 368183 | 09/07/16 09:06 | BLM | TAL NSH |
| Total/NA | Analysis | 7196A | | 1 | 50 mL | 50 mL | 368433 | 09/07/16 16:27 | BLM | TAL NSH |

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Fahey Oil & Gas
Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

TestAmerica Job ID: 280-87113-1

Laboratory: TestAmerica Denver

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|------------------------|---------------|------------|------------------|-----------------|
| A2LA | DoD ELAP | | 2907.01 | 10-31-17 |
| A2LA | ISO/IEC 17025 | | 2907.01 | 10-31-17 |
| Alabama | State Program | 4 | 40730 | 09-30-12 * |
| Alaska (UST) | State Program | 10 | UST-30 | 04-05-17 |
| Arizona | State Program | 9 | AZ0713 | 12-19-16 |
| Arkansas DEQ | State Program | 6 | 88-0687 | 06-01-17 |
| California | State Program | 9 | 2513 | 08-31-16 * |
| Connecticut | State Program | 1 | PH-0686 | 09-30-16 |
| Florida | NELAP | 4 | E87667 | 06-30-17 |
| Georgia | State Program | 4 | N/A | 01-09-17 |
| Illinois | NELAP | 5 | 200017 | 04-30-17 |
| Iowa | State Program | 7 | 370 | 11-30-16 |
| Kansas | NELAP | 7 | E-10166 | 04-30-17 |
| Louisiana | NELAP | 6 | 02096 | 06-30-17 |
| Maine | State Program | 1 | CO0002 | 03-03-17 |
| Minnesota | NELAP | 5 | 8-999-405 | 12-31-16 |
| Nevada | State Program | 9 | CO0026 | 07-31-17 |
| New Hampshire | NELAP | 1 | 205310 | 04-28-17 |
| New Jersey | NELAP | 2 | CO004 | 06-30-17 |
| New York | NELAP | 2 | 11964 | 04-01-17 |
| North Carolina (WW/SW) | State Program | 4 | 358 | 12-31-16 |
| North Dakota | State Program | 8 | R-034 | 01-09-17 |
| Oklahoma | State Program | 6 | 8614 | 08-31-16 * |
| Oregon | NELAP | 10 | 4025 | 01-09-17 |
| Pennsylvania | NELAP | 3 | 68-00664 | 07-31-17 |
| South Carolina | State Program | 4 | 72002001 | 01-09-17 |
| Texas | NELAP | 6 | T104704183-15-11 | 09-30-16 |
| USDA | Federal | | P330-13-00369 | 12-17-16 |
| Utah | NELAP | 8 | CO00026 | 07-31-16 * |
| Virginia | NELAP | 3 | 460232 | 06-14-17 |
| Washington | State Program | 10 | C583 | 08-03-17 |
| West Virginia DEP | State Program | 3 | 354 | 11-30-16 |
| Wisconsin | State Program | 5 | 999615430 | 08-31-16 * |
| Wyoming (UST) | A2LA | 8 | 2907.01 | 10-31-17 |

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|--------------|---------------|------------|------------------|-----------------|
| A2LA | A2LA | | NA: NELAP & A2LA | 12-31-17 |
| A2LA | ISO/IEC 17025 | | 0453.07 | 12-31-17 |
| Alaska (UST) | State Program | 10 | UST-087 | 07-24-17 |
| Arizona | State Program | 9 | AZ0473 | 05-05-17 |
| Arkansas DEQ | State Program | 6 | 88-0737 | 04-25-17 |
| California | State Program | 9 | 2938 | 10-31-16 |
| Connecticut | State Program | 1 | PH-0220 | 12-31-17 |
| Florida | NELAP | 4 | E87358 | 06-30-17 |
| Georgia | State Program | 4 | N/A | 12-31-17 |
| Illinois | NELAP | 5 | 200010 | 12-09-16 * |
| Iowa | State Program | 7 | 131 | 04-01-18 |

* Certification renewal pending - certification considered valid.

TestAmerica Denver

Certification Summary

Client: Fahey Oil & Gas

TestAmerica Job ID: 280-87113-1

Project/Site: Antelope Farms 1-24 - COGCC Table 910-1

Laboratory: TestAmerica Nashville (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|----------------------------------|---------------|------------|------------------|-----------------|
| Kansas | NELAP | 7 | E-10229 | 10-31-16 * |
| Kentucky (UST) | State Program | 4 | 19 | 06-30-17 |
| Kentucky (WW) | State Program | 4 | 90038 | 12-31-16 |
| Louisiana | NELAP | 6 | 30613 | 06-30-17 |
| Maine | State Program | 1 | TN00032 | 11-03-17 |
| Maryland | State Program | 3 | 316 | 03-31-17 |
| Massachusetts | State Program | 1 | M-TN032 | 06-30-17 |
| Minnesota | NELAP | 5 | 047-999-345 | 12-31-16 * |
| Mississippi | State Program | 4 | N/A | 06-30-16 * |
| Montana (UST) | State Program | 8 | NA | 02-24-20 |
| Nevada | State Program | 9 | TN00032 | 07-31-17 |
| New Hampshire | NELAP | 1 | 2963 | 10-09-16 * |
| New Jersey | NELAP | 2 | TN965 | 06-30-17 |
| New York | NELAP | 2 | 11342 | 03-31-17 |
| North Carolina (WW/SW) | State Program | 4 | 387 | 12-31-16 |
| North Dakota | State Program | 8 | R-146 | 06-30-17 |
| Ohio VAP | State Program | 5 | CL0033 | 07-10-17 |
| Oklahoma | State Program | 6 | 9412 | 08-31-17 |
| Oregon | NELAP | 10 | TN200001 | 04-27-17 |
| Pennsylvania | NELAP | 3 | 68-00585 | 06-30-17 |
| Rhode Island | State Program | 1 | LAO00268 | 12-30-16 |
| South Carolina | State Program | 4 | 84009 (001) | 02-28-16 * |
| South Carolina (Do Not Use - DW) | State Program | 4 | 84009 (002) | 12-16-17 |
| Tennessee | State Program | 4 | 2008 | 02-23-17 |
| Texas | NELAP | 6 | T104704077 | 08-31-17 |
| USDA | Federal | | S-48469 | 10-30-16 |
| Utah | NELAP | 8 | TN00032 | 07-31-17 |
| Virginia | NELAP | 3 | 460152 | 06-14-17 |
| Washington | State Program | 10 | C789 | 07-19-16 * |
| West Virginia DEP | State Program | 3 | 219 | 02-28-17 |
| Wisconsin | State Program | 5 | 998020430 | 08-31-17 |
| Wyoming (UST) | A2LA | 8 | 453.07 | 12-31-17 |

* Certification renewal pending - certification considered valid.

TestAmerica Denver

Chain of Custody Record

| | | | | | | | | | | |
|--|--|--|--|---|--|--|---|--|--|--|
| Client Information Client Contact: Mr. Gilbert Paine Company: Fahey Oil & Gas Address: 93 South CR 159 City: Strasburg State: Zn CO: 80136 Phone: 303-709-0148(Tel) Email: cherokeequipment@hotmail.com Project Name: Antelope Farms 1-24 - COGCC Table 910-1 Site: | | Sampler: <i>Dave Fahey</i> Lab PM: Harrington, Danielle M E-Mail: danielle.harrington@testamericainc.com Phone: 303-709-0148 Project #: 28015728 SSOW#: | | Carrier Tracking No(s): COC No: 280-56239-19953.1 Page: Page 1 of 1 Job #: | | | | | | |
| Due Date Requested: TAT Requested (days): PO #: Advance Payment Required WO #: Project #: SSOW#: | | Analysis Requested Total Number of Containers | | | | | | | | |
| Sample Identification #1 #2 #3 #4 #5 | | Sample Date 8-18-16 8-18-16 8-18-16 8-18-16 8-18-16 | Sample Time 11:00 11:00 11:00 11:00 11:00 | Sample Type (C=Comp, G=grab) Solid Solid Solid Solid Solid | Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air) Solid Solid Solid Solid Solid | Field Filtered Sample (Yes or No) N N N N N | Perform MS/MSD (Yes or No) N N N N N | 6010B, 6020, 7471A Total Metals 208 SAR, Moisture 8260B - BTEX 8015B DRO - (MOD) Local Method 9050 Conductivity/pH/7196A Hexavalent subbed to Nashville 8015B GRO | Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) | Special Instructions/Note: 280-87113 Chain of Custody |
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | | | | | | | | |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | | | | | | | | |
| Empty Kit Relinquished by: | | | | | | | | | | |
| Relinquished by: <i>Dan Fahey</i> Date/Time: 8-18-16 14:05 Company: <i>Se</i> | | Received by: <i>Se</i> Date/Time: 8-18-16 17:05 Company: TAD | | | | | | | | |
| Relinquished by: Date/Time: Company: | | Received by: Date/Time: Company: | | | | | | | | |
| Relinquished by: Date/Time: Company: | | Received by: Date/Time: Company: | | | | | | | | |
| Custody Seals Intact: Δ Yes Δ No | | Cooler Temperature(s) °C and Other Remarks: 14.6, 13.1 to 0.0 ILTS transferred by JF 8/18/16 | | | | | | | | |

Login Sample Receipt Checklist

Client: Fahey Oil & Gas

Job Number: 280-87113-1

Login Number: 87113

List Number: 1

Creator: True, Joshua A

List Source: TestAmerica Denver

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Fahey Oil & Gas

Job Number: 280-87113-1

Login Number: 87113

List Number: 2

Creator: McBride, Mike

List Source: TestAmerica Nashville

List Creation: 08/23/16 10:37 AM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |