

**3R-1013**

**Release Report/ General  
Correspondence**

**Williams SJ**

**Date: Jan-Mar 2015**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

|  |                               |
|--|-------------------------------|
| Name of Company: Williams Four Corners LLC | Contact: Kelsey Christiansen  |
| Address: 188 CR 4900, Bloomfield, NM 87413 | Telephone No.: (505) 632-4606 |
| Facility Name: Trunk A Extension           | Facility Type: Pipeline       |

|                    |               |         |
|--------------------|---------------|---------|
| Surface Owner: BLM | Mineral Owner | API No. |
|--------------------|---------------|---------|

**LOCATION OF RELEASE**

|                  |               |                 |              |               |                  |               |                |                    |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter<br>N | Section<br>03 | Township<br>31N | Range<br>12W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|

Latitude 36.92308° N Longitude -108.08637° W

**NATURE OF RELEASE**

|  |   |   |
|--|---|---|
| Type of Release: Natural Gas   | Volume of Release: 2,137 MCF<br>Natural Gas                 | Volume Recovered: 0 MCF Natural gas                     |
| Source of Release: Ball Valve  | Date and Hour of Occurrence:<br>01/05/15 at 04:00 PM MST    | Date and Hour of Discovery:<br>01/05/15 at 04:00 PM MST |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Cory Smith, NMOCD<br>Shari Ketcham, BLM |   |
| By Whom? Kelsey Christiansen   | Date and Hour: 01/06/15 at 09:15 AM and 11:00 AM            |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.                   |   |

**OIL CONS. DIV DIST. 3**

If a Watercourse was Impacted, Describe Fully.\*

Not Applicable

**JAN 12 2015**


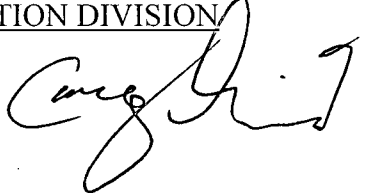
Describe Cause of Problem and Remedial Action Taken.\*

Cold conditions caused a ball valve to fail on the Williams Trunk A pipeline extension. Upon discovery of the failure on January 5, 2015, Williams' personnel responded immediately by isolating the release of natural gas and replacing the ball valve. Approximately 2,137 MCF of natural gas was released.

Describe Area Affected and Cleanup Action Taken.\*

No clean-up required for natural gas release.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|   |                               |   |                                   |
|---|-------------------------------|---|-----------------------------------|
|  |                               | <b>OIL CONSERVATION DIVISION</b>  |                                   |
| Signature:  |                               | Approved by Environmental Specialist:  |                                   |
| Printed Name: Kelsey Christiansen   |                               |   |                                   |
| Title: Environmental Specialist   | Approval Date: <u>2/11/15</u> | Expiration Date:  |                                   |
| E-mail Address: kelsey.christiansen@williams.com                                    | Conditions of Approval:       |   | Attached <input type="checkbox"/> |
| Date: 01/07/14  | Phone: (505) 632-4606         |   |                                   |

\* Attach Additional Sheets If Necessary

#NCS 1504233340

①

District I  
1625 N. French Dr., Hobbs, NM 88240  
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811 S. First St., Artesia, NM 88210  
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Revised August 8, 2011

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**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

|  |                                       |                     |
|--|---------------------------------------|---------------------|
| Name of Company: Williams Four Corners LLC | Contact: Kelsey Christiansen          |                     |
| Address: 188 CR 4900, Bloomfield, NM 87413 | Telephone No.: (505) 632-4606         |                     |
| Facility Name: LV Hamner AIC               | Facility Type: Pipeline at a wellsite |                     |
| Surface Owner: BLM                         | Mineral Owner                         | API No. 300-45-3064 |

**LOCATION OF RELEASE**

|                  |               |                 |             |               |                  |               |                |                    |
|------------------|---------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter<br>D | Section<br>21 | Township<br>29N | Range<br>9W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|------------------|---------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|

Latitude 36.71537° N Longitude -107.78882° W

**NATURE OF RELEASE**

|  |   |   |
|--|---|---|
| Type of Release: Natural Gas   | Volume of Release: 1,066 MCF Natural Gas                    | Volume Recovered: 0 MCF Natural gas                     |
| Source of Release: Pipeline Leak   | Date and Hour of Occurrence:<br>01/05/15 at 01:54 PM MST    | Date and Hour of Discovery:<br>01/05/15 at 01:54 PM MST |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Cory Smith, NMOCD<br>Shari Ketcham, BLM |   |
| By Whom? Kelsey Christiansen   | Date and Hour: 01/06/15 at 07:56 AM and 11:00 AM            |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.                   |   |

**OIL CONS. DIV DIST. 3**

If a Watercourse was Impacted, Describe Fully.\*

Not Applicable

**JAN 12 2015**

Describe Cause of Problem and Remedial Action Taken.\*



Cold conditions caused the Williams pipeline at the LV Hamner A No. 001C wellsite to become brittle and susceptible to cracking. Upon discovery of a crack in the pipeline on January 5, 2015, Williams' personnel responded immediately by isolating the release of natural gas and are currently working on repairing the pipeline. Approximately 1,066 MCF of natural gas was released

Describe Area Affected and Cleanup Action Taken.\*

No clean-up required for natural gas release.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

**OIL CONSERVATION DIVISION**

|  |   |                                   |
|--|---|-----------------------------------|
| Signature:  | Approved by Environmental Specialist:  |                                   |
| Printed Name: Kelsey Christiansen  |   |                                   |
| Title: Environmental Specialist  | Approval Date: <u>2/11/15</u>   | Expiration Date:                  |
| E-mail Address: kelsey.christiansen@williams.com   | Conditions of Approval:   | Attached <input type="checkbox"/> |
| Date: 01/06/14 Phone: (505) 632-4606   |   |                                   |

\* Attach Additional Sheets If Necessary

#NCS 15042 34110

①

District I  
1625 N. French Dr., Hobbs, NM 88240  
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**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

|  |                               |
|--|-------------------------------|
| Name of Company: Williams Four Corners LLC | Contact: Kelsey Christiansen  |
| Address: 188 CR 4900, Bloomfield, NM 87413 | Telephone No.: (505) 632-4606 |
| Facility Name: Trunk K                     | Facility Type: Pipeline       |

|                    |               |         |
|--------------------|---------------|---------|
| Surface Owner: BLM | Mineral Owner | API No. |
|--------------------|---------------|---------|

**LOCATION OF RELEASE**

|                  |               |                 |              |               |                  |               |                |                    |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter<br>A | Section<br>29 | Township<br>28N | Range<br>10W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|

Latitude 36.63709° N Longitude -107.91231° W

**NATURE OF RELEASE**

|  |  |   |
|--|--|---|
| Type of Release: Natural Gas   | Volume of Release: 248.42 MCF<br>Natural Gas             | Volume Recovered: 0 MCF Natural gas                     |
| Source of Release: Pinhole   | Date and Hour of Occurrence:<br>01/20/15 at 11:30 AM MST | Date and Hour of Discovery:<br>01/20/15 at 11:30 AM MST |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom?   |   |
| By Whom?   | Date and Hour:   |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse:                |   |

If a Watercourse was Impacted, Describe Fully.\*

Not Applicable


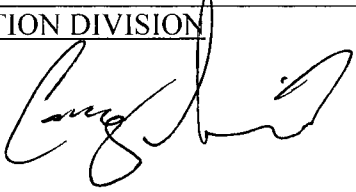
Describe Cause of Problem and Remedial Action Taken.\*

On January 20, 2015 the release of natural gas was discovered during an intention blowdown of the Trunk K pipeline. Approximately 248.42 MCF of natural gas was released. Williams personnel are currently in the process of repairing the pinhole in the pipeline.

Describe Area Affected and Cleanup Action Taken.\*

No clean-up required for natural gas release.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|   |  |   |                  |
|---|--|---|------------------|
|  |  | <b>OIL CONSERVATION DIVISION</b>  |                  |
| Signature:  |  | Approved by Environmental Specialist:  |                  |
| Printed Name: Kelsey Christiansen   |  |   |                  |
| Title: Environmental Specialist   |  | Approval Date: <u>3/23/15</u>   | Expiration Date: |
| E-mail Address: kelsey.christiansen@williams.com                                    |  | Conditions of Approval:   |                  |
| Date: 01/20/14 Phone: (505) 632-4606  |  | Attached <input type="checkbox"/>   |                  |

\* Attach Additional Sheets If Necessary

#NCS 1508242148

①

District I  
1625 N. French Dr., Hobbs, NM 88240  
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Revised August 8, 2011

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Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

|                 |                                   |               |                    |
|-----------------|-----------------------------------|---------------|--------------------|
| Name of Company | Williams Four Corners LLC         | Contact       | Matt Webre         |
| Address         | 188 CR 4900, Bloomfield, NM 87413 | Telephone No. | 505-632-4606       |
| Facility Name   | Thompson Compressor Station       | Facility Type | Compressor Station |

|               |     |               |  |         |  |
|---------------|-----|---------------|--|---------|--|
| Surface Owner | BLM | Mineral Owner |  | API No. |  |
|---------------|-----|---------------|--|---------|--|

**LOCATION OF RELEASE**

|             |         |          |       |               |                  |               |                |          |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County   |
| P           | 4       | 30N      | 12W   |               |                  |               |                | San Juan |

Latitude 36.83483°N Longitude 108.09869°W

**NATURE OF RELEASE**

|   |   |  |          |                            |          |
|---|---|--|----------|----------------------------|----------|
| Type of Release   | Produced Water/Condensate   | Volume of Release                        | Unknown  | Volume Recovered           | NA       |
| Source of Release   | Historic Release  | Date and Hour of Occurrence              | Historic | Date and Hour of Discovery | Historic |
| Was Immediate Notice Given?   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom?                         |          |                            |          |
| By Whom?  |   | Date and Hour                            |          |                            |          |
| Was a Watercourse Reached?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                       | If YES, Volume Impacting the Watercourse |          |                            |          |
| If a Watercourse was Impacted, Describe Fully.*<br>No impacts to a watercourse occurred.  |   |  |          |                            |          |
| Describe Cause of Problem and Remedial Action Taken.*<br>During removal of two below-grade tank and liner, a historic release was discovered.   |   |  |          |                            |          |
| Describe Area Affected and Cleanup Action Taken.*<br>The area was excavated to bedrock and potassium permanganate was applied to the bottom of the excavation on March 21, 2014 and June 2, 2014. The most recent laboratory results indicate that TPH concentrations (Method 8015) are below the closure standard. |   |  |          |                            |          |

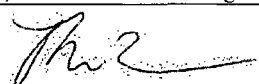
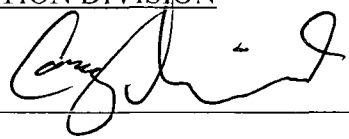
RECEIVED

JAN 29 2015

NMOCD

DISTRICT III

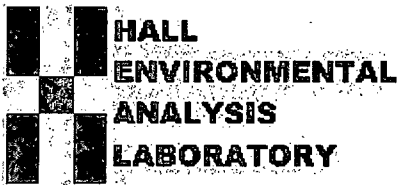
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|  |   |                  |                                   |
|--|---|------------------|-----------------------------------|
| Signature:  | OIL CONSERVATION DIVISION   |                  |                                   |
| Printed Name: Matt Webre   | Approved by Environmental Specialist:  |                  |                                   |
| Title: Supervisor, Environmental Services  | Approval Date: 4/13/15  | Expiration Date: |                                   |
| E-mail Address: matt.webre@williams.com  | Conditions of Approval:   |                  | Attached <input type="checkbox"/> |
| Date: November 12, 2014  | Phone: 505-632-4442   |                  |                                   |

\* Attach Additional Sheets If Necessary

#XCS 15103 41073

10



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

November 10, 2014

Matt Webre  
Williams Field Services  
188 Co. Rd 4900  
Bloomfield, NM 87413  
TEL: (505) 632-4442  
FAX

RE: Thompson TRK-A

OrderNo.: 1410E38

Dear Matt Webre:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/31/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order 1410E38

Date Reported: 11/10/2014

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Williams Field Services**Client Sample ID:** TRK-A Pit Resample**Project:** Thompson TRK-A**Collection Date:** 10/30/2014 12:30:00 PM**Lab ID:** 1410E38-001**Matrix:** SOIL**Received Date:** 10/31/2014 8:45:00 AM

| Analyses                                       | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch               |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| <b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                       | Analyst: <b>BCN</b> |
| Diesel Range Organics (DRO)                    | 41     | 9.9      |      | mg/Kg | 1  | 11/5/2014 2:19:47 AM  | 16187               |
| Surr: DNOP                                     | 119    | 63.5-128 |      | %REC  | 1  | 11/5/2014 2:19:47 AM  | 16187               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>        |        |          |      |       |    |                       | Analyst: <b>DJF</b> |
| Gasoline Range Organics (GRO)                  | ND     | 4.9      |      | mg/Kg | 1  | 11/1/2014 5:17:52 PM  | 16188               |
| Surr: BFB                                      | 115    | 80-120   |      | %REC  | 1  | 11/1/2014 5:17:52 PM  | 16188               |
| <b>EPA METHOD 8021B: VOLATILES</b>             |        |          |      |       |    |                       | Analyst: <b>DJF</b> |
| Benzene  | ND     | 0.049    |      | mg/Kg | 1  | 11/1/2014 5:17:52 PM  | 16188               |
| Toluene  | ND     | 0.049    |      | mg/Kg | 1  | 11/1/2014 5:17:52 PM  | 16188               |
| Ethylbenzene                                   | ND     | 0.049    |      | mg/Kg | 1  | 11/1/2014 5:17:52 PM  | 16188               |
| Xylenes, Total                                 | 0.14   | 0.098    |      | mg/Kg | 1  | 11/1/2014 5:17:52 PM  | 16188               |
| Surr: 4-Bromofluorobenzene                     | 98.3   | 80-120   |      | %REC  | 1  | 11/1/2014 5:17:52 PM  | 16188               |
| <b>EPA METHOD 300.0: ANIONS</b>                |        |          |      |       |    |                       | Analyst: <b>LGP</b> |
| Chloride                                       | 42     | 30       |      | mg/Kg | 20 | 11/4/2014 5:13:03 PM  | 16229               |
| <b>EPA METHOD 418.1: TPH</b>                   |        |          |      |       |    |                       | Analyst: <b>JME</b> |
| Petroleum Hydrocarbons, TR                     | 120    | 20       |      | mg/Kg | 1  | 11/6/2014 12:00:00 PM | 16199               |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |   |  |
|--------------------|---|--|
| <b>Qualifiers:</b> | * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
|                    | E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
|                    | J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
|                    | O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
|                    | R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
|                    | S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410E38

10-Nov-14

Client: Williams Field Services

Project: Thompson TRK-A

|            |           |                |           |             |                          |          |           |      |          |      |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID  | MB-16229  | SampType:      | MBLK      | TestCode:   | EPA Method 300.0: Anions |          |           |      |          |      |
| Client ID: | PBS       | Batch ID:      | 16229     | RunNo:      | 22340                    |          |           |      |          |      |
| Prep Date: | 11/4/2014 | Analysis Date: | 11/4/2014 | SeqNo:      | 658213                   | Units:   | mg/Kg     |      |          |      |
| Analyte    | Result    | PQL            | SPK value | SPK Ref Val | %REC                     | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride   | ND        | 1.5            |           |             |                          |          |           |      |          |      |

|            |           |                |           |             |                          |          |           |      |          |      |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID  | LCS-16229 | SampType:      | LCS       | TestCode:   | EPA Method 300.0: Anions |          |           |      |          |      |
| Client ID: | LCSS      | Batch ID:      | 16229     | RunNo:      | 22340                    |          |           |      |          |      |
| Prep Date: | 11/4/2014 | Analysis Date: | 11/4/2014 | SeqNo:      | 658214                   | Units:   | mg/Kg     |      |          |      |
| Analyte    | Result    | PQL            | SPK value | SPK Ref Val | %REC                     | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride   | 14        | 1.5            | 15.00     | 0           | 91.8                     | 90       | 110       |      |          |      |

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410E38

10-Nov-14

Client: Williams Field Services

Project: Thompson TRK-A

|                            |           |                |           |             |                       |          |           |      |          |      |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | MB-16199  | SampType:      | MBLK      | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | PBS       | Batch ID:      | 16199     | RunNo:      | 22359                 |          |           |      |          |      |
| Prep Date:                 | 11/3/2014 | Analysis Date: | 11/6/2014 | SeqNo:      | 658707                | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result    | PQL            | SPK value | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | ND        | 20             |           |             |                       |          |           |      |          |      |

|                            |           |                |           |             |                       |          |           |      |          |      |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | LCS-16199 | SampType:      | LCS       | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | LCSS      | Batch ID:      | 16199     | RunNo:      | 22359                 |          |           |      |          |      |
| Prep Date:                 | 11/5/2014 | Analysis Date: | 11/6/2014 | SeqNo:      | 658708                | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result    | PQL            | SPK value | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | 110       | 20             | 100.0     | 0           | 106                   | 80       | 120       |      |          |      |

|                            |            |                |           |             |                       |          |           |      |          |      |
|----------------------------|------------|----------------|-----------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | LCSD-16199 | SampType:      | LCSD      | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | LCSS02     | Batch ID:      | 16199     | RunNo:      | 22359                 |          |           |      |          |      |
| Prep Date:                 | 11/5/2014  | Analysis Date: | 11/6/2014 | SeqNo:      | 658709                | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result     | PQL            | SPK value | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | 100        | 20             | 100.0     | 0           | 103                   | 80       | 120       | 2.76 | 20       |      |

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
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- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410E38

10-Nov-14

Client: Williams Field Services

Project: Thompson TRK-A

|                             |            |                |           |             |   |          |           |      |          |      |
|-----------------------------|------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | MB-16187   | SampType:      | MBLK      | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | PBS        | Batch ID:      | 16187     | RunNo:      | 22285                                   |          |           |      |          |      |
| Prep Date:                  | 10/31/2014 | Analysis Date: | 11/3/2014 | SeqNo:      | 656934                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result     | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND         | 10             |           |             |   |          |           |      |          |      |
| Surr: DNOP                  | 8.5        |                | 10.00     |             | 84.7                                    | 63.5     | 128       |      |          |      |

|                             |            |                |           |             |   |          |           |      |          |      |
|-----------------------------|------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | LCS-16187  | SampType:      | LCS       | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | LCSS       | Batch ID:      | 16187     | RunNo:      | 22285                                   |          |           |      |          |      |
| Prep Date:                  | 10/31/2014 | Analysis Date: | 11/3/2014 | SeqNo:      | 657003                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result     | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 47         | 10             | 50.00     | 0           | 93.1                                    | 68.6     | 130       |      |          |      |
| Surr: DNOP                  | 3.9        |                | 5.000     |             | 78.6                                    | 63.5     | 128       |      |          |      |

|                             |                    |                |           |             |   |          |           |      |          |      |
|-----------------------------|--------------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | 1410E38-001AMS     | SampType:      | MS        | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | TRK-A Pit Resample | Batch ID:      | 16187     | RunNo:      | 22316                                   |          |           |      |          |      |
| Prep Date:                  | 11/3/2014          | Analysis Date: | 11/5/2014 | SeqNo:      | 658297                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result             | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 97                 | 10             | 50.20     | 41.41       | 111                                     | 29.2     | 176       |      |          |      |
| Surr: DNOP                  | 5.3                |                | 5.020     |             | 106                                     | 63.5     | 128       |      |          |      |

|                             |                    |                |           |             |   |          |           |      |          |      |
|-----------------------------|--------------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | 1410E38-001AMSD    | SampType:      | MSD       | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | TRK-A Pit Resample | Batch ID:      | 16187     | RunNo:      | 22316                                   |          |           |      |          |      |
| Prep Date:                  | 11/3/2014          | Analysis Date: | 11/5/2014 | SeqNo:      | 658298                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result             | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 100                | 9.8            | 49.12     | 41.41       | 119                                     | 29.2     | 176       | 2.47 | 23       |      |
| Surr: DNOP                  | 5.7                |                | 4.912     |             | 116                                     | 63.5     | 128       | 0    | 0        |      |

## Qualifiers:

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- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410E38

10-Nov-14

Client: Williams Field Services

Project: Thompson TRK-A

|                               |            |               |           |             |                                  |          |           |      |          |      |
|-------------------------------|------------|---------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | MB-16188   | SampType      | MBLK      | TestCode    | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID                     | PBS        | Batch ID      | 16188     | RunNo       | 22281                            |          |           |      |          |      |
| Prep Date                     | 10/31/2014 | Analysis Date | 11/1/2014 | SeqNo       | 656354                           | Units    | mg/Kg     |      |          |      |
| Analyte                       | Result     | PQL           | SPK value | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND         | 5.0           |           |             |                                  |          |           |      |          |      |
| Surr: BFB                     | 930        |               | 1000      |             | 93.4                             | 80       | 120       |      |          |      |

|                               |            |               |           |             |                                  |          |           |      |          |      |
|-------------------------------|------------|---------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | LCS-16188  | SampType      | LCS       | TestCode    | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID                     | LCSS       | Batch ID      | 16188     | RunNo       | 22281                            |          |           |      |          |      |
| Prep Date                     | 10/31/2014 | Analysis Date | 11/1/2014 | SeqNo       | 656355                           | Units    | mg/Kg     |      |          |      |
| Analyte                       | Result     | PQL           | SPK value | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 29         | 5.0           | 25.00     | 0           | 115                              | 65.8     | 139       |      |          |      |
| Surr: BFB                     | 1000       |               | 1000      |             | 99.8                             | 80       | 120       |      |          |      |

|                               |                    |               |           |             |                                  |          |           |      |          |      |
|-------------------------------|--------------------|---------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | 1410E38-001AMS     | SampType      | MS        | TestCode    | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID                     | TRK-A Pit Resample | Batch ID      | 16188     | RunNo       | 22281                            |          |           |      |          |      |
| Prep Date                     | 10/31/2014         | Analysis Date | 11/1/2014 | SeqNo       | 656357                           | Units    | mg/Kg     |      |          |      |
| Analyte                       | Result             | PQL           | SPK value | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 29                 | 4.9           | 24.41     | 4.863       | 101                              | 71.8     | 132       |      |          |      |
| Surr: BFB                     | 1100               |               | 976.6     |             | 113                              | 80       | 120       |      |          |      |

|                               |                    |               |           |             |                                  |          |           |      |          |      |
|-------------------------------|--------------------|---------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | 1410E38-001AMSD    | SampType      | MSD       | TestCode    | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID                     | TRK-A Pit Resample | Batch ID      | 16188     | RunNo       | 22281                            |          |           |      |          |      |
| Prep Date                     | 10/31/2014         | Analysis Date | 11/1/2014 | SeqNo       | 656358                           | Units    | mg/Kg     |      |          |      |
| Analyte                       | Result             | PQL           | SPK value | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 28                 | 4.9           | 24.49     | 4.863       | 94.7                             | 71.8     | 132       | 4.88 | 20       |      |
| Surr: BFB                     | 1100               |               | 979.4     |             | 112                              | 80       | 120       | 0    | 0        |      |

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- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410E38

10-Nov-14

Client: Williams Field Services

Project: Thompson TRK-A

|                            |            |                |           |             |                             |          |           |      |          |      |
|----------------------------|------------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID                  | MB-16188   | SampType:      | MBLK      | TestCode:   | EPA Method 8021B: Volatiles |          |           |      |          |      |
| Client ID:                 | PBS        | Batch ID:      | 16188     | RunNo:      | 22281                       |          |           |      |          |      |
| Prep Date:                 | 10/31/2014 | Analysis Date: | 11/1/2014 | SeqNo:      | 656492                      | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result     | PQL            | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                    | ND         | 0.050          |           |             |                             |          |           |      |          |      |
| Toluene                    | ND         | 0.050          |           |             |                             |          |           |      |          |      |
| Ethylbenzene               | ND         | 0.050          |           |             |                             |          |           |      |          |      |
| Xylenes, Total             | ND         | 0.10           |           |             |                             |          |           |      |          |      |
| Surr: 4-Bromofluorobenzene | 0.96       |                | 1.000     |             | 96.3                        | 80       | 120       |      |          |      |

|                            |            |       |                          |             |                                       |          |              |      |          |      |
|----------------------------|------------|-------|--------------------------|-------------|---------------------------------------|----------|--------------|------|----------|------|
| Sample ID                  | LCS-16188  |       | SampType: LCS            |             | TestCode: EPA Method 8021B: Volatiles |          |              |      |          |      |
| Client ID:                 | LCSS       |       | Batch ID: 16188          |             | RunNo: 22281                          |          |              |      |          |      |
| Prep Date:                 | 10/31/2014 |       | Analysis Date: 11/1/2014 |             | SeqNo: 656493                         |          | Units: mg/Kg |      |          |      |
| Analyte                    | Result     | PQL   | SPK value                | SPK Ref Val | %REC                                  | LowLimit | HighLimit    | %RPD | RPDLimit | Qual |
| Benzene                    | 0.89       | 0.050 | 1.000                    | 0           | 89.5                                  | 80       | 120          |      |          |      |
| Toluene                    | 0.89       | 0.050 | 1.000                    | 0           | 89.2                                  | 80       | 120          |      |          |      |
| Ethylbenzene               | 0.95       | 0.050 | 1.000                    | 0           | 94.5                                  | 80       | 120          |      |          |      |
| Xylenes, Total             | 2.8        | 0.10  | 3.000                    | 0           | 94.9                                  | 80       | 120          |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.0        |       | 1.000                    |             | 100                                   | 80       | 120          |      |          |      |

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- P Sample pH greater than 2.
- RL Reporting Detection Limit

# Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1410E38

RcptNo: 1

|                   |                 |   |
|-------------------|-----------------|---|
| Received by/date: | <i>mg</i>       | <i>10/31/14</i>                               |
| Logged By:        | Michelle Garcia | 10/31/2014 8:45:00 AM <i>Michelle Garcia</i>  |
| Completed By:     | Michelle Garcia | 10/31/2014 11:44:07 AM <i>Michelle Garcia</i> |
| Reviewed By:      | <i>IO</i>       | <i>10/31/14</i>                               |

## Chain of Custody

- Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
- Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
- How was the sample delivered? Courier

## Log In

- Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
- Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
- Sample(s) in proper container(s)? Yes ☒ No ☐
- Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
- Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
- Was preservative added to bottles? Yes ☐ No ☒ NA ☐
- VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
- Were any sample containers received broken? Yes ☐ No ☒
- Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
- Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
- Is it clear what analyses were requested? Yes ☒ No ☐
- Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

## Special Handling (if applicable)

- Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

|                      |                      |       |   |
|----------------------|----------------------|-------|---|
| Person Notified:     | <input type="text"/> | Date: | <input type="text"/>  |
| By Whom:             | <input type="text"/> | Via:  | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <input type="text"/> |       |   |
| Client Instructions: | <input type="text"/> |       |   |

- Additional remarks:

## Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 1.0                     | Good      | Yes         |         |           |           |

|   |  |
|---|--|
| X | BTEX + MTBE + TMB's (8021)                 |
|   | BTEX + MTBE + TPH (Gas only)               |
| X | TPH 8015B (GRO / DRO / MRO)                |
| X | TPH (Method 418.1)                         |
|   | EDB (Method 504.1)                         |
|   | PAH's (8310 or 8270 SIMS)                  |
|   | RCRA 8 Metals                              |
|   | Anions ( $F, Cl, NO_3, NO_2, PO_4, SO_4$ ) |
|   | 8081 Pesticides / 8082 PCB's               |
|   | 8260B (VOA)                                |
|   | 8270 (Semi-VOA)                            |
| X | chloride                                   |
|   |  |
|   |  |
|   | Air Bubble (VOC)                           |

# Analysis Request

WFS

HEAL No.

-001

|          |
|----------|
| Remarks: |
|----------|

\_\_\_\_\_

\_\_\_\_\_

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

|  |                               |
|--|-------------------------------|
| Name of Company: Williams Four Corners LLC | Contact: Kelsey Christiansen  |
| Address: 188 CR 4900, Bloomfield, NM 87413 | Telephone No.: (505) 632-4606 |
| Facility Name: Archuleta 1A                | Facility Type: Pipeline       |

|                    |               |         |
|--------------------|---------------|---------|
| Surface Owner: BLM | Mineral Owner | API No. |
|--------------------|---------------|---------|

**LOCATION OF RELEASE**

|             |               |                 |             |               |                  |               |                |                    |
|-------------|---------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter | Section<br>19 | Township<br>30N | Range<br>8W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|-------------|---------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|

Latitude 36.79773° N Longitude -107.71676° W

**NATURE OF RELEASE**


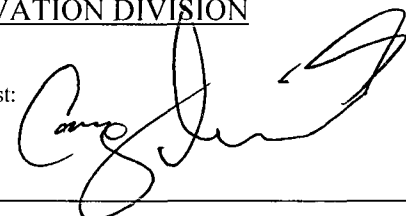
|  |  |   |
|--|--|---|
| Type of Release: Natural Gas   | Volume of Release: 66.784 MCF Natural Gas                | Volume Recovered: 0 MCF Natural gas                     |
| Source of Release: Valve   | Date and Hour of Occurrence:<br>01/22/15 at 01:00 PM MST | Date and Hour of Discovery:<br>01/22/15 at 01:00 PM MST |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom?   |   |
| By Whom?   | Date and Hour:   |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.                |   |

If a Watercourse was Impacted, Describe Fully.\*  
Not Applicable

Describe Cause of Problem and Remedial Action Taken.\*  
On January 22, 2015 Williams conducted an intentional blowdown to repair a line freeze. Approximately 66.784 MCF of natural gas was released. Williams personnel responded closing the valve once the freeze in the line had been repaired.

Describe Area Affected and Cleanup Action Taken.\*  
No clean-up required for natural gas release.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|   |  |   |                  |
|---|--|---|------------------|
|  |  | <b>OIL CONSERVATION DIVISION</b>  |                  |
| Signature:  |  | Approved by Environmental Specialist:  |                  |
| Printed Name: Kelsey Christiansen   |  |   |                  |
| Title: Environmental Specialist   |  | Approval Date: 4/13/15  | Expiration Date: |
| E-mail Address: kelsey.christiansen@williams.com                                    |  | Conditions of Approval:   |                  |
| Date: 01/28/14 Phone: (505) 632-4606  |  | Attached <input type="checkbox"/>   |                  |

\* Attach Additional Sheets If Necessary

#NCS 1510341798

①

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report ☒ Final Report

|  |                               |
|--|-------------------------------|
| Name of Company: Williams Four Corners LLC | Contact: Kelsey Christiansen  |
| Address: 188 CR 4900, Bloomfield, NM 87413 | Telephone No.: (505) 632-4606 |
| Facility Name: Francis Pipeline            | Facility Type: Pipeline       |

|                    |               |         |
|--------------------|---------------|---------|
| Surface Owner: BLM | Mineral Owner | API No. |
|--------------------|---------------|---------|

#### LOCATION OF RELEASE

|                  |               |                 |              |               |                  |               |                |                    |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter<br>L | Section<br>28 | Township<br>28N | Range<br>10W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|

Latitude 36.66133° N Longitude -107.94309° W

#### NATURE OF RELEASE

|  |  |   |
|--|--|---|
| Type of Release: Natural Gas   | Volume of Release: 53.76 MCF<br>Natural Gas              | Volume Recovered: 0 MCF Natural gas                     |
| Source of Release: Pinhole   | Date and Hour of Occurrence:<br>01/21/15 at 08:00 AM MST | Date and Hour of Discovery:<br>01/21/15 at 08:00 AM MST |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom?   |   |
| By Whom?   | Date and Hour:   |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.                |   |

If a Watercourse was Impacted, Describe Fully.\*

Not Applicable

Describe Cause of Problem and Remedial Action Taken.\*

Williams personnel discovered a pinhole leak in the Francis Pipeline on January 21, 2015. Repairs to the pipeline were made as soon as possible. Approximately 53.76 MCF of natural gas was released.

Describe Area Affected and Cleanup Action Taken.\*

No clean-up required for natural gas release.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Signature:

Printed Name: Kelsey Christiansen

Title: Environmental Specialist

E-mail Address: kelsey.christiansen@williams.com

Date: 02/06/15

Phone: (505) 632-4606

Approval Date: 4/13/15

Expiration Date:

Conditions of Approval:

Attached ☐

\* Attach Additional Sheets If Necessary

#XCS 1510548237

①

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report ☒ Final Report

|  |                               |         |
|--|-------------------------------|---------|
| Name of Company: Williams Four Corners LLC | Contact: Kelsey Christiansen  |         |
| Address: 188 CR 4900, Bloomfield, NM 87413 | Telephone No.: (505) 632-4606 |         |
| Facility Name: Thompson 5                  | Facility Type: Pipeline       |         |
| Surface Owner: BLM                         | Mineral Owner                 | API No. |

#### LOCATION OF RELEASE

|                  |               |                 |              |                                   |                                 |                    |
|------------------|---------------|-----------------|--------------|-----------------------------------|---------------------------------|--------------------|
| Unit Letter<br>K | Section<br>33 | Township<br>31N | Range<br>12W | Feet from the<br>North/South Line | Feet from the<br>East/West Line | County<br>San Juan |
|------------------|---------------|-----------------|--------------|-----------------------------------|---------------------------------|--------------------|

Latitude 36.85517° N Longitude -108.10628° W

#### NATURE OF RELEASE

|  |  |   |
|--|--|---|
| Type of Release: Natural Gas   | Volume of Release: 344 MCF Natural Gas                   | Volume Recovered: 0 MCF Natural gas   |
| Source of Release: Pinhole   | Date and Hour of Occurrence:<br>02/09/15 at 03:00 PM MST | Date and Hour of Discovery:<br>02/09/15 at 03:00 PM MST                               |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required   | If YES, To Whom?   |   |
| By Whom?   | Date and Hour:   |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.                |   |
| If a Watercourse was Impacted, Describe Fully.*<br>Not Applicable  |  |   |
| Describe Cause of Problem and Remedial Action Taken.*<br>On February 9, 2015 Williams personnel observed a leak on the Thompson 5 pipeline. Approximately 344 MCF of natural gas was released--Williams personnel responded by shutting in the pipeline and repairing the damaged pipe.  |  |   |
| Describe Area Affected and Cleanup Action Taken.*<br>No clean-up required for natural gas release.   |  |   |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |  |   |
| Signature: <i>Kelsey Christiansen</i><br>Printed Name: Kelsey Christiansen   |  | OIL CONSERVATION DIVISION<br>Approved by Environmental Specialist: <i>[Signature]</i> |
| Title: Environmental Specialist  | Approval Date: <u>4/13/15</u>                            | Expiration Date:  |
| E-mail Address: kelsey.christiansen@williams.com   | Conditions of Approval:                                  | Attached <input type="checkbox"/>   |
| Date: 02/16/15   | Phone: (505) 632-4606                                    |   |

\* Attach Additional Sheets If Necessary

#XCS 15 10352097

②

District I  
1625 N. French Dr., Hobbs, NM 88240  
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Revised August 8, 2011

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accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

|   |                                  |         |
|---|----------------------------------|---------|
| Name of Company Williams Four Corners LLC | Contact Kelsey Christiansen      |         |
| Address 188 CR 4900, Bloomfield, NM 87413 | Telephone No. 505-632-4606       |         |
| Facility Name La Jara Compressor Station  | Facility Type Compressor Station |         |
| Surface Owner Bureau of Land Management   | Mineral Owner                    | API No. |

**LOCATION OF RELEASE**

|                  |              |                 |             |               |                  |               |                |                    |
|------------------|--------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter<br>M | Section<br>1 | Township<br>30N | Range<br>9W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|------------------|--------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|

Latitude 36.81754° N Longitude 107.49144° W

**NATURE OF RELEASE**

|  |   |  |
|--|---|--|
| Type of Release Natural Gas  | Volume of Release 338 MCF                             | Volume Recovered 0 MCF                                   |
| Source of Release Relief Valve   | Date and Hour of Occurrence<br>02/22/15, 11:15 AM MST | Date and Hour of Discovery<br>02/22/15, 11:15 AM MST     |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required   | If YES, To Whom?                                      |  |
| By Whom?   | Date and Hour   |  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse              |  |
| If a Watercourse was Impacted, Describe Fully.*<br>Not Applicable  |   |  |
| Describe Cause of Problem and Remedial Action Taken.*<br>A pressure relief valve at the La Jara Compressor facility was not operating correctly and approximately 338 MCF of natural gas was released. Williams personnel was able to reset the valve and it became operational again. Williams is in the process of preventing a reoccurrence.  |   |  |
| Describe Area Affected and Cleanup Action Taken.*<br>No clean-up required for natural gas releases.  |   |  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |   |  |
| Signature: <i>Kelsey Christiansen</i>  |   | OIL CONSERVATION DIVISION                                |
| Printed Name: Kelsey Christiansen  |   | Approved by Environmental Specialist: <i>[Signature]</i> |
| Title: Environmental Specialist  |   | Approval Date: 4/13/15 Expiration Date:                  |
| E-mail Address: kelsey.christiansen@williams.com   |   | Conditions of Approval:                                  |
| Date: 02/24/15 Phone: 505-632-4606   |   | Attached <input type="checkbox"/>                        |

\* Attach Additional Sheets If Necessary

HMS 1510353922

①

District I  
1625 N. French Dr., Hobbs, NM 88240  
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Revised August 8, 2011

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**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

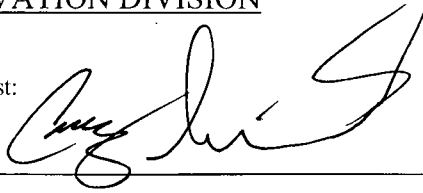
|  |                                     |         |
|--|-------------------------------------|---------|
| Name of Company: Williams Four Corners LLC | Contact: Kelsey Christiansen        |         |
| Address: 188 CR 4900, Bloomfield, NM 87413 | Telephone No.: (505) 634-4606       |         |
| Facility Name: Trunk K                     | Facility Type: Natural Gas Pipeline |         |
| Surface Owner: BLM                         | Mineral Owner                       | API No. |

**LOCATION OF RELEASE**

|                  |               |                 |              |               |                  |               |                |                    |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter<br>G | Section<br>19 | Township<br>28N | Range<br>10W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|

Latitude 36.65056° N Longitude -107.93389° W

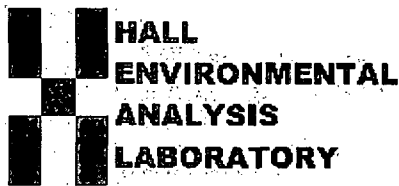
**NATURE OF RELEASE**

|  |   |  |
|--|---|--|
| Type of Release: Produced Water & Natural Gas  | Volume of Release: 10 BBL (approx.) Produced Water & 301 MCF Natural Gas  | Volume Recovered: 0 BBL Produced Water & 0 MCF Natural Gas |
| Source of Release: Pipeline release  | Date and Hour of Occurrence: Unknown  | Date and Hour of Discovery: 12/11/2014 at 03:45 PM         |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required   | If YES, To Whom?  |  |
| By Whom?   | Date and Hour:  |  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse:   |  |
| If a Watercourse was Impacted, Describe Fully.*<br>Not Applicable  |   |  |
| Describe Cause of Problem and Remedial Action Taken.*<br>The release of an estimated ten barrels of produced water (301 MCF natural gas) occurred at a pinhole along the Trunk K pipeline, impacting surrounding soils. The location of the release was identified and immediately isolated to prevent the release of additional produced water. Repairs were safely completed to the pipeline.  |   |  |
| Describe Area Affected and Cleanup Action Taken.*<br>Williams excavated the impacted soil and transported it to Industrial Ecosystems, Inc. Landfarm (Permit #NM01-0010B) for disposal. Confirmation soil samples were collected from the sidewalls and the base of the excavation. Laboratory analytical results are attached.  |   |  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |   |  |
| <div style="text-align: right;"><b>OIL CONSERVATION DIVISION</b></div>   |   |  |
| Signature:    | Approved by Environmental Specialist:  |  |
| Printed Name: Kelsey Christiansen  |   |  |
| Title: Environmental Specialist  | Approval Date: 4/27/15  | Expiration Date:   |
| E-mail Address: kelsey.christiansen@williams.com   | Conditions of Approval:   | Attached <input type="checkbox"/>                          |
| Date: 01/15/15 Phone: (505) 634-4606   |   |  |

\* Attach Additional Sheets If Necessary

#NCS 1511738822

22



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

December 29, 2014

Kelsey Christiansen  
Williams Field Services  
188 Co. Rd 4900  
Bloomfield, NM 87413  
TEL:  
FAX

**OIL CONS. DIV DIST. 3**

**MAR 26 2015**

RE: Trunk-K Line Leak Bottom

OrderNo.: 1412A97

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/24/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

MAR 26 2015

## Analytical Report

Lab Order 1412A97

Date Reported: 12/29/2014

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Trunk-K Line Leak Bottom

Project: Trunk-K Line Leak Bottom

Collection Date: 12/23/2014 2:30:00 PM

Lab ID: 1412A97-001

Matrix: MEOH (SOIL)

Received Date: 12/24/2014 7:30:00 AM

| Analyses                                       | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>BCN</b> |
| Diesel Range Organics (DRO)                    | ND     | 9.9      |      | mg/Kg | 1  | 12/24/2014 10:30:36 AM | 16977               |
| Surr: DNOP                                     | 74.0   | 63.5-128 |      | %REC  | 1  | 12/24/2014 10:30:36 AM | 16977               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>        |        |          |      |       |    |                        | Analyst: <b>NSB</b> |
| Gasoline Range Organics (GRO)                  | ND     | 3.5      |      | mg/Kg | 1  | 12/24/2014 11:14:49 AM | 16984               |
| Surr: BFB                                      | 93.9   | 80-120   |      | %REC  | 1  | 12/24/2014 11:14:49 AM | 16984               |
| <b>EPA METHOD 8021B: VOLATILES</b>             |        |          |      |       |    |                        | Analyst: <b>NSB</b> |
| Benzene  | ND     | 0.035    |      | mg/Kg | 1  | 12/24/2014 11:14:49 AM | 16984               |
| Toluene  | 0.072  | 0.035    |      | mg/Kg | 1  | 12/24/2014 11:14:49 AM | 16984               |
| Ethylbenzene                                   | ND     | 0.035    |      | mg/Kg | 1  | 12/24/2014 11:14:49 AM | 16984               |
| Xylenes, Total                                 | 0.074  | 0.070    |      | mg/Kg | 1  | 12/24/2014 11:14:49 AM | 16984               |
| Surr: 4-Bromofluorobenzene                     | 99.1   | 80-120   |      | %REC  | 1  | 12/24/2014 11:14:49 AM | 16984               |
| <b>EPA METHOD 300.0: ANIONS</b>                |        |          |      |       |    |                        | Analyst: <b>lgb</b> |
| Chloride                                       | 190    | 30       |      | mg/Kg | 20 | 12/24/2014 10:57:28 AM | 16997               |
| <b>EPA METHOD 418.1: TPH</b>                   |        |          |      |       |    |                        | Analyst: <b>WL</b>  |
| Petroleum Hydrocarbons, TR                     | ND     | 20       |      | mg/Kg | 1  | 12/24/2014 12:00:00 PM | 16976               |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|             |   |   |    |  |
|-------------|---|---|----|--|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level.        | B  | Analyte detected in the associated Method Blank    |
|             | E | Value above quantitation range                  | H  | Holding times for preparation or analysis exceeded |
|             | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit                |
|             | O | RSD is greater than RSDlimit                    | P  | Sample pH greater than 2.                          |
|             | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                          |
|             | S | Spike Recovery outside accepted recovery limits |    |  |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412A97

29-Dec-14

Client: Williams Field Services  
Project: Trunk-K Line Leak Bottom

|            |            |                |            |             |                          |          |           |      |          |      |
|------------|------------|----------------|------------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID  | MB-16997   | SampType:      | MBLK       | TestCode:   | EPA Method 300.0: Anions |          |           |      |          |      |
| Client ID: | PBS        | Batch ID:      | 16997      | RunNo:      | 23387                    |          |           |      |          |      |
| Prep Date: | 12/24/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 690942                   | Units:   | mg/Kg     |      |          |      |
| Analyte    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                     | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride   | ND         | 1.5            |            |             |                          |          |           |      |          |      |

|            |            |                |            |             |                          |          |           |      |          |      |
|------------|------------|----------------|------------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID  | LCS-16997  | SampType:      | LCS        | TestCode:   | EPA Method 300.0: Anions |          |           |      |          |      |
| Client ID: | LCSS       | Batch ID:      | 16997      | RunNo:      | 23387                    |          |           |      |          |      |
| Prep Date: | 12/24/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 690943                   | Units:   | mg/Kg     |      |          |      |
| Analyte    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                     | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride   | 14         | 1.5            | 15.00      | 0           | 93.8                     | 90       | 110       |      |          |      |

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412A97

29-Dec-14

Client: Williams Field Services  
Project: Trunk-K Line Leak Bottom

|                            |            |                |            |             |                       |          |           |      |          |      |
|----------------------------|------------|----------------|------------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | MB-16976   | SampType:      | MBLK       | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | PBS        | Batch ID:      | 16976      | RunNo:      | 23342                 |          |           |      |          |      |
| Prep Date:                 | 12/23/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 689793                | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | ND         | 20             |            |             |                       |          |           |      |          |      |

|                            |            |                |            |             |                       |          |           |      |          |      |
|----------------------------|------------|----------------|------------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | LCS-16976  | SampType:      | LCS        | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | LCSS       | Batch ID:      | 16976      | RunNo:      | 23342                 |          |           |      |          |      |
| Prep Date:                 | 12/23/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 689952                | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | 110        | 20             | 100.0      | 0           | 107                   | 80       | 120       |      |          |      |

|                            |            |                |            |             |                       |          |           |      |          |      |
|----------------------------|------------|----------------|------------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | LCSD-16976 | SampType:      | LCSD       | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | LCSS02     | Batch ID:      | 16976      | RunNo:      | 23342                 |          |           |      |          |      |
| Prep Date:                 | 12/23/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 689953                | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | 110        | 20             | 100.0      | 0           | 113                   | 80       | 120       | 5.49 | 20       |      |

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
O RSD is greater than RSDlimit  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
P Sample pH greater than 2.  
RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412A97

29-Dec-14

Client: Williams Field Services  
Project: Trunk-K Line Leak Bottom

|                             |            |                |            |             |   |          |           |      |          |      |
|-----------------------------|------------|----------------|------------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | MB-16977   | SampType:      | MBLK       | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | PBS        | Batch ID:      | 16977      | RunNo:      | 23339                                   |          |           |      |          |      |
| Prep Date:                  | 12/23/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 689714                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result     | PQL            | SPK value  | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND         | 10             |            |             |   |          |           |      |          |      |
| Surr: DNOP                  | 6.6        |                | 10.00      |             | 65.9                                    | 63.5     | 128       |      |          |      |

|                             |            |                |            |             |   |          |           |      |          |      |
|-----------------------------|------------|----------------|------------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | LCS-16977  | SampType:      | LCS        | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | LCSS       | Batch ID:      | 16977      | RunNo:      | 23339                                   |          |           |      |          |      |
| Prep Date:                  | 12/23/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 689827                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result     | PQL            | SPK value  | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 39         | 10             | 50.00      | 0           | 78.2                                    | 67.8     | 130       |      |          |      |
| Surr: DNOP                  | 3.6        |                | 5.000      |             | 72.6                                    | 63.5     | 128       |      |          |      |

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
O RSD is greater than RSDlimit  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
P Sample pH greater than 2.  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1412A97

29-Dec-14

**Client:** Williams Field Services  
**Project:** Trunk-K Line Leak Bottom

|                               |            |                |            |             |                                  |          |           |      |          |      |
|-------------------------------|------------|----------------|------------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | MB-16984   | SampType:      | MBLK       | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID:                    | PBS        | Batch ID:      | 16984      | RunNo:      | 23357                            |          |           |      |          |      |
| Prep Date:                    | 12/23/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 690715                           | Units:   | mg/Kg     |      |          |      |
| Analyte                       | Result     | PQL            | SPK value  | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND         | 5.0            |            |             |                                  |          |           |      |          |      |
| Surr: BFB                     | 920        |                | 1000       |             | 92.0                             | 80       | 120       |      |          |      |

|                               |            |                |            |             |                                  |          |           |      |          |      |
|-------------------------------|------------|----------------|------------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | LCS-16984  | SampType:      | LCS        | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID:                    | LCSS       | Batch ID:      | 16984      | RunNo:      | 23357                            |          |           |      |          |      |
| Prep Date:                    | 12/23/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 690716                           | Units:   | mg/Kg     |      |          |      |
| Analyte                       | Result     | PQL            | SPK value  | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 23         | 5.0            | 25.00      | 0           | 90.8                             | 65.8     | 139       |      |          |      |
| Surr: BFB                     | 980        |                | 1000       |             | 98.0                             | 80       | 120       |      |          |      |

|            |            |                |            |             |                                  |          |           |      |          |      |
|------------|------------|----------------|------------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID  | MB-16944   | SampType:      | MBLK       | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID: | PBS        | Batch ID:      | 16944      | RunNo:      | 23357                            |          |           |      |          |      |
| Prep Date: | 12/22/2014 | Analysis Date: | 12/25/2014 | SeqNo:      | 690724                           | Units:   | %REC      |      |          |      |
| Analyte    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB  | 940        |                | 1000       |             | 94.2                             | 80       | 120       |      |          |      |

|            |            |                |            |             |                                  |          |           |      |          |      |
|------------|------------|----------------|------------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID  | LCS-16944  | SampType:      | LCS        | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID: | LCSS       | Batch ID:      | 16944      | RunNo:      | 23357                            |          |           |      |          |      |
| Prep Date: | 12/22/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 690725                           | Units:   | %REC      |      |          |      |
| Analyte    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB  | 1000       |                | 1000       |             | 103                              | 80       | 120       |      |          |      |

|            |            |                |            |             |                                  |          |           |      |          |      |
|------------|------------|----------------|------------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID  | LCSD-16944 | SampType:      | LCSD       | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID: | LCSS02     | Batch ID:      | 16944      | RunNo:      | 23357                            |          |           |      |          |      |
| Prep Date: | 12/22/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 690726                           | Units:   | %REC      |      |          |      |
| Analyte    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB  | 1000       |                |            |             |                                  |          |           | 0    | 0        |      |

### Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412A97

29-Dec-14

Client: Williams Field Services  
Project: Trunk-K Line Leak Bottom

|                            |            |       |                           |             |                                       |          |              |      |          |      |
|----------------------------|------------|-------|---------------------------|-------------|---------------------------------------|----------|--------------|------|----------|------|
| Sample ID                  | MB-16984   |       | SampType: MBLK            |             | TestCode: EPA Method 8021B: Volatiles |          |              |      |          |      |
| Client ID:                 | PBS        |       | Batch ID: 16984           |             | RunNo: 23357                          |          |              |      |          |      |
| Prep Date:                 | 12/23/2014 |       | Analysis Date: 12/24/2014 |             | SeqNo: 690734                         |          | Units: mg/Kg |      |          |      |
| Analyte                    | Result     | PQL   | SPK value                 | SPK Ref Val | %REC                                  | LowLimit | HighLimit    | %RPD | RPDLimit | Qual |
| Benzene                    | ND         | 0.050 |                           |             |                                       |          |              |      |          |      |
| Toluene                    | ND         | 0.050 |                           |             |                                       |          |              |      |          |      |
| Ethylbenzene               | ND         | 0.050 |                           |             |                                       |          |              |      |          |      |
| Xylenes, Total             | ND         | 0.10  |                           |             |                                       |          |              |      |          |      |
| Surr: 4-Bromofluorobenzene | 0.97       |       | 1.000                     |             | 96.9                                  | 80       | 120          |      |          |      |

|                            |            |       |                           |             |                                       |          |              |      |          |      |
|----------------------------|------------|-------|---------------------------|-------------|---------------------------------------|----------|--------------|------|----------|------|
| Sample ID                  | LCS-16984  |       | SampType: LCS             |             | TestCode: EPA Method 8021B: Volatiles |          |              |      |          |      |
| Client ID:                 | LCSS       |       | Batch ID: 16984           |             | RunNo: 23357                          |          |              |      |          |      |
| Prep Date:                 | 12/23/2014 |       | Analysis Date: 12/24/2014 |             | SeqNo: 690735                         |          | Units: mg/Kg |      |          |      |
| Analyte                    | Result     | PQL   | SPK value                 | SPK Ref Val | %REC                                  | LowLimit | HighLimit    | %RPD | RPDLimit | Qual |
| Benzene                    | 0.96       | 0.050 | 1.000                     | 0           | 96.4                                  | 80       | 120          |      |          |      |
| Toluene                    | 0.93       | 0.050 | 1.000                     | 0           | 93.2                                  | 80       | 120          |      |          |      |
| Ethylbenzene               | 0.94       | 0.050 | 1.000                     | 0           | 94.4                                  | 80       | 120          |      |          |      |
| Xylenes, Total             | 2.8        | 0.10  | 3.000                     | 0           | 92.5                                  | 80       | 120          |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.0        |       | 1.000                     |             | 105                                   | 80       | 120          |      |          |      |

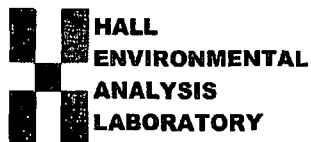
|                            |            |     |                           |             |                                       |          |             |      |          |      |
|----------------------------|------------|-----|---------------------------|-------------|---------------------------------------|----------|-------------|------|----------|------|
| Sample ID                  | MB-16944   |     | SampType: MBLK            |             | TestCode: EPA Method 8021B: Volatiles |          |             |      |          |      |
| Client ID:                 | PBS        |     | Batch ID: 16944           |             | RunNo: 23357                          |          |             |      |          |      |
| Prep Date:                 | 12/22/2014 |     | Analysis Date: 12/25/2014 |             | SeqNo: 690754                         |          | Units: %REC |      |          |      |
| Analyte                    | Result     | PQL | SPK value                 | SPK Ref Val | %REC                                  | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.0        |     | 1.000                     |             | 100                                   | 80       | 120         |      |          |      |

|                            |            |     |                           |             |                                       |          |             |      |          |      |
|----------------------------|------------|-----|---------------------------|-------------|---------------------------------------|----------|-------------|------|----------|------|
| Sample ID                  | LCS-16944  |     | SampType: LCS             |             | TestCode: EPA Method 8021B: Volatiles |          |             |      |          |      |
| Client ID:                 | LCSS       |     | Batch ID: 16944           |             | RunNo: 23357                          |          |             |      |          |      |
| Prep Date:                 | 12/22/2014 |     | Analysis Date: 12/24/2014 |             | SeqNo: 690755                         |          | Units: %REC |      |          |      |
| Analyte                    | Result     | PQL | SPK value                 | SPK Ref Val | %REC                                  | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.1        |     | 1.000                     |             | 106                                   | 80       | 120         |      |          |      |

|                            |            |                |            |             |                             |             |           |      |          |      |
|----------------------------|------------|----------------|------------|-------------|-----------------------------|-------------|-----------|------|----------|------|
| Sample ID                  | LCSD-16944 | SampType:      | LCSD       | TestCode:   | EPA Method 8021B: Volatiles |             |           |      |          |      |
| Client ID:                 | LCSS02     | Batch ID:      | 16944      | RunNo:      | 23357                       |             |           |      |          |      |
| Prep Date:                 | 12/22/2014 | Analysis Date: | 12/24/2014 | SeqNo:      | 690756                      | Units: %REC |           |      |          |      |
| Analyte                    | Result     | PQL            | SPK value  | SPK Ref Val | %REC                        | LowLimit    | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.1        |                | 1.000      |             | 106                         | 80          | 120       | 0    |          |      |

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1412A97

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

12/24/14 7:30:00 AM

Completed By: Lindsay Mangin

12/24/2014 7:59:22 AM

Reviewed By:

### Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:  
( $<2$  or  $>12$  unless noted)  
Adjusted?  
Checked by:

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

### 18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 1.5                     | Good      | Yes         |         |           |           |

|  |  |  |  |
|--|--|--|--|
| <b>Chain-of-Custody Record</b>   |  | Turn-Around Time:  |  |
| Client: <u>WFS</u>   |  | <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>12-24-14</u> |  |
| Mailing Address: <u>188 CR 4900</u>  |  | Project Name: <u>TRUNK-K Line Leak Bottom</u>  |  |
| <u>Bloomfield Nw 87413</u>   |  | Project #:   |  |
| Phone #: <u>505-215-7433</u>   |  |  |  |
| email or Fax#: <u>Kelsey.christiansen@williams.com</u>                               |  | Project Manager:   |  |
| QA/QC Package:   |  |  |  |
| <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation) |  | <u>Kelsey Christiansen</u>   |  |
| Accreditation  |  | Sampler: <u>Morgan Killior</u>   |  |
| <input type="checkbox"/> NELAP <input type="checkbox"/> Other _____                  |  | On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                |  |
| <input type="checkbox"/> EDD (Type) _____  |  | Sample Temperature: <u>15</u>  |  |

☐ Standard ☒ Rush 12-24-14

TRUNK-K LINE LEAK BOTTOM

**Project Manager:**

Kelsey Christian sen

Sampler: *Morgan Killion*

On Ice: ☒ Yes ☐ No

Sample Temperature: 15

[illegible]

|          |       |                  |              |          |      |
|----------|-------|------------------|--------------|----------|------|
| Date:    | Time: | Relinquished by: | Received by: | Date     | Time |
| 12/23/14 | 1627  | Mary Killion     | Chris Hall   | 12/23/14 | 1627 |
| Date:    | Time: | Relinquished by: | Received by: | Date     | Time |
| 2/23/14  | 1810  | Chris Hall       | [Signature]  | 12/24/14 | 1530 |

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975      Fax 505-345-4107

## Analysis Request

|  |   |  |
|--|---|--|
|  | X | BTEX + MTBE + TMB's (8021)                 |
|  |   | BTEX + MTBE + TPH (Gas only)               |
|  | X | TPH 8015B (GRO / DRO TWIRL)                |
|  | X | TPH (Method 418.1)                         |
|  |   | EDB (Method 504.1)                         |
|  |   | PAH's (8310 or 8270 SIMS)                  |
|  |   | RCRA 8 Metals                              |
|  |   | Anions ( $F, Cl, NO_3, NO_2, PO_4, SO_4$ ) |
|  |   | 8081 Pesticides / 8082 PCB's               |
|  |   | 8260B (VOA)                                |
|  |   | 8270 (Semi-VOA)                            |
|  | X | chl  |
|  |   |  |
|  |   |  |
|  |   |  |
|  |   | Air Bubbles (Y or N)                       |

Remarks:



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

January 07, 2015

Kelsey Christiansen  
Williams Field Services  
188 Co. Rd 4900  
Bloomfield, NM 87413  
TEL:  
FAX

RE: Trunk-K-Clean up.

OrderNo.: 1501051

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/6/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', with a stylized flourish at the end.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order 1501051

Date Reported: 1/7/2015

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Williams Field Services**Client Sample ID:** Trunk-K Bottom Composite**Project:** Trunk-K-Clean up.**Collection Date:** 1/5/2015 2:10:00 PM**Lab ID:** 1501051-001**Matrix:** MEOH (SOIL)**Received Date:** 1/6/2015 7:10:00 AM

| Analyses                                       | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch               |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                      | Analyst: <b>WL</b>  |
| Diesel Range Organics (DRO)                    | ND     | 9.9      |      | mg/Kg | 1  | 1/6/2015 11:11:25 AM | 17082               |
| Surr: DNOP                                     | 96.6   | 63.5-128 |      | %REC  | 1  | 1/6/2015 11:11:25 AM | 17082               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>        |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Gasoline Range Organics (GRO)                  | ND     | 4.5      |      | mg/Kg | 1  | 1/6/2015 10:32:34 AM | R23499              |
| Surr: BFB                                      | 85.2   | 80-120   |      | %REC  | 1  | 1/6/2015 10:32:34 AM | R23499              |
| <b>EPA METHOD 8021B: VOLATILES</b>             |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Benzene  | ND     | 0.045    |      | mg/Kg | 1  | 1/6/2015 10:32:34 AM | R23499              |
| Toluene  | ND     | 0.045    |      | mg/Kg | 1  | 1/6/2015 10:32:34 AM | R23499              |
| Ethylbenzene                                   | ND     | 0.045    |      | mg/Kg | 1  | 1/6/2015 10:32:34 AM | R23499              |
| Xylenes, Total                                 | ND     | 0.091    |      | mg/Kg | 1  | 1/6/2015 10:32:34 AM | R23499              |
| Surr: 4-Bromofluorobenzene                     | 88.4   | 80-120   |      | %REC  | 1  | 1/6/2015 10:32:34 AM | R23499              |
| <b>EPA METHOD 300.0: ANIONS</b>                |        |          |      |       |    |                      | Analyst: <b>Igp</b> |
| Chloride                                       | 73     | 30       |      | mg/Kg | 20 | 1/6/2015 10:38:38 AM | 17085               |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |   |   |    |  |
|--------------------|---|---|----|--|
| <b>Qualifiers:</b> | * | Value exceeds Maximum Contaminant Level.        | B  | Analyte detected in the associated Method Blank    |
|                    | E | Value above quantitation range                  | H  | Holding times for preparation or analysis exceeded |
|                    | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit                |
|                    | O | RSD is greater than RSDlimit                    | P  | Sample pH greater than 2.                          |
|                    | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                          |
|                    | S | Spike Recovery outside accepted recovery limits |    |  |

**Analytical Report**Lab Order **1501051**

Date Reported: 1/7/2015

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Williams Field Services**Client Sample ID:** Trunk-K-S-Side Wall Composite**Project:** Trunk-K-Clean up.**Collection Date:** 1/5/2015 2:20:00 PM**Lab ID:** 1501051-002**Matrix:** MEOH (SOIL)**Received Date:** 1/6/2015 7:10:00 AM

| Analyses                                       | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch               |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                      | Analyst: <b>WL</b>  |
| Diesel Range Organics (DRO)                    | ND     | 9.9      |      | mg/Kg | 1  | 1/6/2015 12:41:24 PM | 17082               |
| Surr: DNOP                                     | 92.0   | 63.5-128 |      | %REC  | 1  | 1/6/2015 12:41:24 PM | 17082               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>        |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Gasoline Range Organics (GRO)                  | ND     | 4.3      |      | mg/Kg | 1  | 1/6/2015 11:01:13 AM | R23499              |
| Surr: BFB                                      | 85.9   | 80-120   |      | %REC  | 1  | 1/6/2015 11:01:13 AM | R23499              |
| <b>EPA METHOD 8021B: VOLATILES</b>             |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Benzene  | ND     | 0.043    |      | mg/Kg | 1  | 1/6/2015 11:01:13 AM | R23499              |
| Toluene  | ND     | 0.043    |      | mg/Kg | 1  | 1/6/2015 11:01:13 AM | R23499              |
| Ethylbenzene                                   | ND     | 0.043    |      | mg/Kg | 1  | 1/6/2015 11:01:13 AM | R23499              |
| Xylenes, Total                                 | ND     | 0.086    |      | mg/Kg | 1  | 1/6/2015 11:01:13 AM | R23499              |
| Surr: 4-Bromofluorobenzene                     | 91.9   | 80-120   |      | %REC  | 1  | 1/6/2015 11:01:13 AM | R23499              |
| <b>EPA METHOD 300.0: ANIONS</b>                |        |          |      |       |    |                      | Analyst: <b>lgp</b> |
| Chloride                                       | 37     | 30       |      | mg/Kg | 20 | 1/6/2015 10:51:02 AM | 17085               |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |   |   |    |  |
|--------------------|---|---|----|--|
| <b>Qualifiers:</b> | * | Value exceeds Maximum Contaminant Level.        | B  | Analyte detected in the associated Method Blank    |
|                    | E | Value above quantitation range                  | H  | Holding times for preparation or analysis exceeded |
|                    | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit                |
|                    | O | RSD is greater than RSDlimit                    | P  | Sample pH greater than 2.                          |
|                    | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                          |
|                    | S | Spike Recovery outside accepted recovery limits |    |  |

**Analytical Report**Lab Order **1501051**Date Reported: **1/7/2015****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Williams Field Services**Client Sample ID:** Trunk-K-East Wall**Project:** Trunk-K-Clean up.**Collection Date:** 1/5/2015 2:30:00 PM**Lab ID:** 1501051-003**Matrix:** MEOH (SOIL)**Received Date:** 1/6/2015 7:10:00 AM

| Analyses                                       | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch               |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                      | Analyst: <b>WL</b>  |
| Diesel Range Organics (DRO)                    | ND     | 10       |      | mg/Kg | 1  | 1/6/2015 1:11:31 PM  | 17082               |
| Surr: DNOP                                     | 89.1   | 63.5-128 |      | %REC  | 1  | 1/6/2015 1:11:31 PM  | 17082               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>        |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Gasoline Range Organics (GRO)                  | ND     | 4.8      |      | mg/Kg | 1  | 1/6/2015 11:29:53 AM | R23499              |
| Surr: BFB                                      | 86.4   | 80-120   |      | %REC  | 1  | 1/6/2015 11:29:53 AM | R23499              |
| <b>EPA METHOD 8021B: VOLATILES</b>             |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Benzene  | ND     | 0.048    |      | mg/Kg | 1  | 1/6/2015 11:29:53 AM | R23499              |
| Toluene  | ND     | 0.048    |      | mg/Kg | 1  | 1/6/2015 11:29:53 AM | R23499              |
| Ethylbenzene                                   | ND     | 0.048    |      | mg/Kg | 1  | 1/6/2015 11:29:53 AM | R23499              |
| Xylenes, Total                                 | ND     | 0.097    |      | mg/Kg | 1  | 1/6/2015 11:29:53 AM | R23499              |
| Surr: 4-Bromofluorobenzene                     | 89.1   | 80-120   |      | %REC  | 1  | 1/6/2015 11:29:53 AM | R23499              |
| <b>EPA METHOD 300.0: ANIONS</b>                |        |          |      |       |    |                      | Analyst: <b>Igp</b> |
| Chloride                                       | 56     | 30       |      | mg/Kg | 20 | 1/6/2015 11:03:27 AM | 17085               |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |   |   |    |  |
|--------------------|---|---|----|--|
| <b>Qualifiers:</b> | * | Value exceeds Maximum Contaminant Level.        | B  | Analyte detected in the associated Method Blank    |
|                    | E | Value above quantitation range                  | H  | Holding times for preparation or analysis exceeded |
|                    | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit                |
|                    | O | RSD is greater than RSDlimit                    | P  | Sample pH greater than 2.                          |
|                    | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                          |
|                    | S | Spike Recovery outside accepted recovery limits |    |  |

**Analytical Report**

Lab Order 1501051

Date Reported: 1/7/2015

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Williams Field Services**Client Sample ID:** Trunk-K-North Wall**Project:** Trunk-K-Clean up.**Collection Date:** 1/5/2015 2:40:00 PM**Lab ID:** 1501051-004**Matrix:** MEOH (SOIL)**Received Date:** 1/6/2015 7:10:00 AM

| Analyses                                       | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch               |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                      | Analyst: <b>WL</b>  |
| Diesel Range Organics (DRO)                    | ND     | 10       |      | mg/Kg | 1  | 1/6/2015 10:21:51 AM | 17082               |
| Surr: DNOP                                     | 94.1   | 63.5-128 |      | %REC  | 1  | 1/6/2015 10:21:51 AM | 17082               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>        |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Gasoline Range Organics (GRO)                  | ND     | 4.3      |      | mg/Kg | 1  | 1/6/2015 11:58:31 AM | R23499              |
| Surr: BFB                                      | 88.5   | 80-120   |      | %REC  | 1  | 1/6/2015 11:58:31 AM | R23499              |
| <b>EPA METHOD 8021B: VOLATILES</b>             |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Benzene  | ND     | 0.043    |      | mg/Kg | 1  | 1/6/2015 11:58:31 AM | R23499              |
| Toluene  | ND     | 0.043    |      | mg/Kg | 1  | 1/6/2015 11:58:31 AM | R23499              |
| Ethylbenzene                                   | ND     | 0.043    |      | mg/Kg | 1  | 1/6/2015 11:58:31 AM | R23499              |
| Xylenes, Total                                 | ND     | 0.087    |      | mg/Kg | 1  | 1/6/2015 11:58:31 AM | R23499              |
| Surr: 4-Bromofluorobenzene                     | 88.6   | 80-120   |      | %REC  | 1  | 1/6/2015 11:58:31 AM | R23499              |
| <b>EPA METHOD 300.0: ANIONS</b>                |        |          |      |       |    |                      | Analyst: <b>Igp</b> |
| Chloride                                       | ND     | 30       |      | mg/Kg | 20 | 1/6/2015 11:15:51 AM | 17085               |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |   |   |    |  |
|--------------------|---|---|----|--|
| <b>Qualifiers:</b> | * | Value exceeds Maximum Contaminant Level.        | B  | Analyte detected in the associated Method Blank    |
|                    | E | Value above quantitation range                  | H  | Holding times for preparation or analysis exceeded |
|                    | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit                |
|                    | O | RSD is greater than RSDlimit                    | P  | Sample pH greater than 2.                          |
|                    | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                          |
|                    | S | Spike Recovery outside accepted recovery limits |    |  |

**Analytical Report**Lab Order **1501051**

Date Reported: 1/7/2015

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Williams Field Services**Client Sample ID:** Trunk-K-West Wall**Project:** Trunk-K-Clean up.**Collection Date:** 1/5/2015 2:50:00 PM**Lab ID:** 1501051-005**Matrix:** MEOH (SOIL)**Received Date:** 1/6/2015 7:10:00 AM

| Analyses                                       | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch               |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                      | Analyst: <b>WL</b>  |
| Diesel Range Organics (DRO)                    | ND     | 10       |      | mg/Kg | 1  | 1/6/2015 10:43:15 AM | 17082               |
| Surr: DNOP                                     | 93.9   | 63.5-128 |      | %REC  | 1  | 1/6/2015 10:43:15 AM | 17082               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>        |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Gasoline Range Organics (GRO)                  | ND     | 4.5      |      | mg/Kg | 1  | 1/6/2015 12:27:12 PM | R23499              |
| Surr: BFB                                      | 85.8   | 80-120   |      | %REC  | 1  | 1/6/2015 12:27:12 PM | R23499              |
| <b>EPA METHOD 8021B: VOLATILES</b>             |        |          |      |       |    |                      | Analyst: <b>NSB</b> |
| Benzene  | ND     | 0.045    |      | mg/Kg | 1  | 1/6/2015 12:27:12 PM | R23499              |
| Toluene  | ND     | 0.045    |      | mg/Kg | 1  | 1/6/2015 12:27:12 PM | R23499              |
| Ethylbenzene                                   | ND     | 0.045    |      | mg/Kg | 1  | 1/6/2015 12:27:12 PM | R23499              |
| Xylenes, Total                                 | ND     | 0.090    |      | mg/Kg | 1  | 1/6/2015 12:27:12 PM | R23499              |
| Surr: 4-Bromofluorobenzene                     | 89.2   | 80-120   |      | %REC  | 1  | 1/6/2015 12:27:12 PM | R23499              |
| <b>EPA METHOD 300.0: ANIONS</b>                |        |          |      |       |    |                      | Analyst: <b>lgp</b> |
| Chloride                                       | 51     | 30       |      | mg/Kg | 20 | 1/6/2015 11:28:16 AM | 17085               |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |   |   |    |  |
|--------------------|---|---|----|--|
| <b>Qualifiers:</b> | * | Value exceeds Maximum Contaminant Level.        | B  | Analyte detected in the associated Method Blank    |
|                    | E | Value above quantitation range                  | H  | Holding times for preparation or analysis exceeded |
|                    | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit                |
|                    | O | RSD is greater than RSDlimit                    | P  | Sample pH greater than 2.                          |
|                    | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                          |
|                    | S | Spike Recovery outside accepted recovery limits |    |  |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1501051

07-Jan-15

Client: Williams Field Services

Project: Trunk-K-Clean up.

|            |          |                |           |             |                          |          |           |      |          |      |
|------------|----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID  | MB-17085 | SampType:      | MBLK      | TestCode:   | EPA Method 300.0: Anions |          |           |      |          |      |
| Client ID: | PBS      | Batch ID:      | 17085     | RunNo:      | 23511                    |          |           |      |          |      |
| Prep Date: | 1/6/2015 | Analysis Date: | 1/6/2015  | SeqNo:      | 694508                   | Units:   | mg/Kg     |      |          |      |
| Analyte    | Result   | PQL            | SPK value | SPK Ref Val | %REC                     | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride   | ND       | 1.5            |           |             |                          |          |           |      |          |      |

|            |           |                |           |             |                          |          |           |      |          |      |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID  | LCS-17085 | SampType:      | LCS       | TestCode:   | EPA Method 300.0: Anions |          |           |      |          |      |
| Client ID: | LCSS      | Batch ID:      | 17085     | RunNo:      | 23511                    |          |           |      |          |      |
| Prep Date: | 1/6/2015  | Analysis Date: | 1/6/2015  | SeqNo:      | 694509                   | Units:   | mg/Kg     |      |          |      |
| Analyte    | Result    | PQL            | SPK value | SPK Ref Val | %REC                     | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride   | 14        | 1.5            | 15.00     | 0           | 94.8                     | 90       | 110       |      |          |      |

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1501051

07-Jan-15

Client: Williams Field Services

Project: Trunk-K-Clean up.

|            |          |                |           |             |   |          |           |      |          |      |
|------------|----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID  | MB-17063 | SampType:      | MBLK      | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID: | PBS      | Batch ID:      | 17063     | RunNo:      | 23492                                   |          |           |      |          |      |
| Prep Date: | 1/5/2015 | Analysis Date: | 1/6/2015  | SeqNo:      | 694059                                  | Units:   | %REC      |      |          |      |
| Analyte    | Result   | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 7.9      |                | 10.00     |             | 79.4                                    | 63.5     | 128       |      |          |      |

|                             |          |                |           |             |   |          |           |      |          |      |
|-----------------------------|----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | MB-17082 | SampType:      | MBLK      | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | PBS      | Batch ID:      | 17082     | RunNo:      | 23494                                   |          |           |      |          |      |
| Prep Date:                  | 1/6/2015 | Analysis Date: | 1/6/2015  | SeqNo:      | 694078                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result   | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND       | 10             |           |             |   |          |           |      |          |      |
| Surr: DNOP                  | 8.6      |                | 10.00     |             | 85.6                                    | 63.5     | 128       |      |          |      |

|                             |                   |                |           |             |   |          |           |      |          |      |
|-----------------------------|-------------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | 1501051-001AMS    | SampType:      | MS        | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | Trunk-K Bottom Co | Batch ID:      | 17082     | RunNo:      | 23494                                   |          |           |      |          |      |
| Prep Date:                  | 1/6/2015          | Analysis Date: | 1/6/2015  | SeqNo:      | 694144                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result            | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46                | 10             | 49.90     | 0           | 92.2                                    | 29.2     | 176       |      |          |      |
| Surr: DNOP                  | 5.1               |                | 4.990     |             | 102                                     | 63.5     | 128       |      |          |      |

|                             |                   |                |           |             |   |          |           |      |          |      |
|-----------------------------|-------------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | 1501051-001AMSD   | SampType:      | MSD       | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | Trunk-K Bottom Co | Batch ID:      | 17082     | RunNo:      | 23494                                   |          |           |      |          |      |
| Prep Date:                  | 1/6/2015          | Analysis Date: | 1/6/2015  | SeqNo:      | 694157                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result            | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 45                | 9.9            | 49.70     | 0           | 89.6                                    | 29.2     | 176       | 3.26 | 23       |      |
| Surr: DNOP                  | 4.8               |                | 4.970     |             | 96.8                                    | 63.5     | 128       | 0    | 0        |      |

|                             |           |                |           |             |   |          |           |      |          |      |
|-----------------------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID                   | LCS-17082 | SampType:      | LCS       | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID:                  | LCSS      | Batch ID:      | 17082     | RunNo:      | 23494                                   |          |           |      |          |      |
| Prep Date:                  | 1/6/2015  | Analysis Date: | 1/6/2015  | SeqNo:      | 694158                                  | Units:   | mg/Kg     |      |          |      |
| Analyte                     | Result    | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 47        | 10             | 50.00     | 0           | 93.0                                    | 67.8     | 130       |      |          |      |
| Surr: DNOP                  | 4.4       |                | 5.000     |             | 88.8                                    | 63.5     | 128       |      |          |      |

|            |           |                |           |             |   |          |           |      |          |      |
|------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID  | LCS-17063 | SampType:      | LCS       | TestCode:   | EPA Method 8015D: Diesel Range Organics |          |           |      |          |      |
| Client ID: | LCSS      | Batch ID:      | 17063     | RunNo:      | 23492                                   |          |           |      |          |      |
| Prep Date: | 1/5/2015  | Analysis Date: | 1/6/2015  | SeqNo:      | 694169                                  | Units:   | %REC      |      |          |      |
| Analyte    | Result    | PQL            | SPK value | SPK Ref Val | %REC                                    | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.8       |                | 5.000     |             | 96.0                                    | 63.5     | 128       |      |          |      |

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1501051

07-Jan-15

Client: Williams Field Services

Project: Trunk-K-Clean up.

|                               |        |                |           |             |                                  |          |           |      |          |      |
|-------------------------------|--------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | 5ML RB | SampType:      | MBLK      | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID:                    | PBS    | Batch ID:      | R23499    | RunNo:      | 23499                            |          |           |      |          |      |
| Prep Date:                    |        | Analysis Date: | 1/6/2015  | SeqNo:      | 694360                           | Units:   | mg/Kg     |      |          |      |
| Analyte                       | Result | PQL            | SPK value | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND     | 5.0            |           |             |                                  |          |           |      |          |      |
| Surr: BFB                     | 870    |                | 1000      |             | 86.6                             | 80       | 120       |      |          |      |

|                               |               |                |           |             |                                  |          |           |      |          |      |
|-------------------------------|---------------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | 2.5UG GRO LCS | SampType:      | LCS       | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID:                    | LCSS          | Batch ID:      | R23499    | RunNo:      | 23499                            |          |           |      |          |      |
| Prep Date:                    |               | Analysis Date: | 1/6/2015  | SeqNo:      | 694361                           | Units:   | mg/Kg     |      |          |      |
| Analyte                       | Result        | PQL            | SPK value | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 23            | 5.0            | 25.00     | 0           | 93.1                             | 65.8     | 139       |      |          |      |
| Surr: BFB                     | 960           |                | 1000      |             | 96.5                             | 80       | 120       |      |          |      |

|                               |                   |                |           |             |                                  |          |           |      |          |      |
|-------------------------------|-------------------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | 1501051-001AMS    | SampType:      | MS        | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID:                    | Trunk-K Bottom Co | Batch ID:      | R23499    | RunNo:      | 23499                            |          |           |      |          |      |
| Prep Date:                    |                   | Analysis Date: | 1/6/2015  | SeqNo:      | 694362                           | Units:   | mg/Kg     |      |          |      |
| Analyte                       | Result            | PQL            | SPK value | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 20                | 4.5            | 22.75     | 0           | 86.2                             | 47.9     | 144       |      |          |      |
| Surr: BFB                     | 890               |                | 909.9     |             | 97.5                             | 80       | 120       |      |          |      |

|                               |                   |                |           |             |                                  |          |           |      |          |      |
|-------------------------------|-------------------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID                     | 1501051-001AMSD   | SampType:      | MSD       | TestCode:   | EPA Method 8015D: Gasoline Range |          |           |      |          |      |
| Client ID:                    | Trunk-K Bottom Co | Batch ID:      | R23499    | RunNo:      | 23499                            |          |           |      |          |      |
| Prep Date:                    |                   | Analysis Date: | 1/6/2015  | SeqNo:      | 694363                           | Units:   | mg/Kg     |      |          |      |
| Analyte                       | Result            | PQL            | SPK value | SPK Ref Val | %REC                             | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 19                | 4.5            | 22.75     | 0           | 82.2                             | 47.9     | 144       | 4.70 | 29.9     |      |
| Surr: BFB                     | 890               |                | 909.9     |             | 97.8                             | 80       | 120       | 0    | 0        |      |

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1501051

07-Jan-15

Client: Williams Field Services

Project: Trunk-K-Clean up.

|                            |        |                         |           |             |                                       |          |              |      |          |      |
|----------------------------|--------|-------------------------|-----------|-------------|---------------------------------------|----------|--------------|------|----------|------|
| Sample ID                  | 5ML RB | SampType: MBLK          |           |             | TestCode: EPA Method 8021B: Volatiles |          |              |      |          |      |
| Client ID:                 | PBS    | Batch ID: R23499        |           |             | RunNo: 23499                          |          |              |      |          |      |
| Prep Date:                 |        | Analysis Date: 1/6/2015 |           |             | SeqNo: 694377                         |          | Units: mg/Kg |      |          |      |
| Analyte                    | Result | PQL                     | SPK value | SPK Ref Val | %REC                                  | LowLimit | HighLimit    | %RPD | RPDLimit | Qual |
| Benzene                    | ND     | 0.050                   |           |             |                                       |          |              |      |          |      |
| Toluene                    | ND     | 0.050                   |           |             |                                       |          |              |      |          |      |
| Ethylbenzene               | ND     | 0.050                   |           |             |                                       |          |              |      |          |      |
| Xylenes, Total             | ND     | 0.10                    |           |             |                                       |          |              |      |          |      |
| Surr: 4-Bromofluorobenzene | 0.89   |                         | 1.000     |             | 89.3                                  | 80       | 120          |      |          |      |

|                            |                |                         |           |             |                                       |          |              |      |          |      |
|----------------------------|----------------|-------------------------|-----------|-------------|---------------------------------------|----------|--------------|------|----------|------|
| Sample ID                  | 100NG BTEX LCS | SampType: LCS           |           |             | TestCode: EPA Method 8021B: Volatiles |          |              |      |          |      |
| Client ID:                 | LCSS           | Batch ID: R23499        |           |             | RunNo: 23499                          |          |              |      |          |      |
| Prep Date:                 |                | Analysis Date: 1/6/2015 |           |             | SeqNo: 694378                         |          | Units: mg/Kg |      |          |      |
| Analyte                    | Result         | PQL                     | SPK value | SPK Ref Val | %REC                                  | LowLimit | HighLimit    | %RPD | RPDLimit | Qual |
| Benzene                    | 0.97           | 0.050                   | 1.000     | 0           | 97.1                                  | 80       | 120          |      |          |      |
| Toluene                    | 0.96           | 0.050                   | 1.000     | 0           | 95.9                                  | 80       | 120          |      |          |      |
| Ethylbenzene               | 0.97           | 0.050                   | 1.000     | 0           | 96.8                                  | 80       | 120          |      |          |      |
| Xylenes, Total             | 2.9            | 0.10                    | 3.000     | 0           | 96.2                                  | 80       | 120          |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.0            |                         | 1.000     |             | 101                                   | 80       | 120          |      |          |      |

|                            |                     |       |                         |             |                                       |          |              |      |          |      |
|----------------------------|---------------------|-------|-------------------------|-------------|---------------------------------------|----------|--------------|------|----------|------|
| Sample ID                  | 1501051-002AMS      |       | SampType: MS            |             | TestCode: EPA Method 8021B: Volatiles |          |              |      |          |      |
| Client ID:                 | Trunk-K-S-Side Wall |       | Batch ID: R23499        |             | RunNo: 23499                          |          |              |      |          |      |
| Prep Date:                 |                     |       | Analysis Date: 1/6/2015 |             | SeqNo: 694379                         |          | Units: mg/Kg |      |          |      |
| Analyte                    | Result              | PQL   | SPK value               | SPK Ref Val | %REC                                  | LowLimit | HighLimit    | %RPD | RPDLimit | Qual |
| Benzene                    | 0.86                | 0.043 | 0.8621                  | 0           | 99.2                                  | 69.2     | 126          |      |          |      |
| Toluene                    | 0.85                | 0.043 | 0.8621                  | 0.02160     | 95.9                                  | 65.6     | 128          |      |          |      |
| Ethylbenzene               | 0.86                | 0.043 | 0.8621                  | 0           | 99.3                                  | 65.5     | 138          |      |          |      |
| Xylenes, Total             | 2.5                 | 0.086 | 2.586                   | 0.03519     | 97.2                                  | 63       | 139          |      |          |      |
| Surr: 4-Bromofluorobenzene | 0.89                |       | 0.8621                  |             | 103                                   | 80       | 120          |      |          |      |

|                            |                     |       |                         |             |                                       |          |              |       |          |      |
|----------------------------|---------------------|-------|-------------------------|-------------|---------------------------------------|----------|--------------|-------|----------|------|
| Sample ID                  | 1501051-002AMSD     |       | SampType: MSD           |             | TestCode: EPA Method 8021B: Volatiles |          |              |       |          |      |
| Client ID:                 | Trunk-K-S-Side Wall |       | Batch ID: R23499        |             | RunNo: 23499                          |          |              |       |          |      |
| Prep Date:                 |                     |       | Analysis Date: 1/6/2015 |             | SeqNo: 694380                         |          | Units: mg/Kg |       |          |      |
| Analyte                    | Result              | PQL   | SPK value               | SPK Ref Val | %REC                                  | LowLimit | HighLimit    | %RPD  | RPDLimit | Qual |
| Benzene                    | 0.86                | 0.043 | 0.8621                  | 0           | 99.7                                  | 69.2     | 126          | 0.468 | 18.5     |      |
| Toluene                    | 0.83                | 0.043 | 0.8621                  | 0.02160     | 94.2                                  | 65.6     | 128          | 1.74  | 20.6     |      |
| Ethylbenzene               | 0.86                | 0.043 | 0.8621                  | 0           | 100                                   | 65.5     | 138          | 0.861 | 20.1     |      |
| Xylenes, Total             | 2.5                 | 0.086 | 2.586                   | 0.03519     | 96.8                                  | 63       | 139          | 0.337 | 21.1     |      |
| Surr: 4-Bromofluorobenzene | 0.89                |       | 0.8621                  |             | 104                                   | 80       | 120          | 0     | 0        |      |

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1501051

RcptNo: 1

|                   |                    |                     |
|-------------------|--------------------|---------------------|
| Received by/date: | <i>[Signature]</i> | 01/06/15            |
| Logged By:        | Lindsay Mangin     | 1/6/2015 7:10:00 AM |
| Completed By:     | Lindsay Mangin     | 1/6/2015 7:19:24 AM |
| Reviewed By:      | <i>[Signature]</i> | 01/06/15            |

## Chain of Custody

- Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
- Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
- How was the sample delivered? Courier

## Log In

- Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
- Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
- Sample(s) in proper container(s)? Yes ☒ No ☐
- Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
- Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
- Was preservative added to bottles? Yes ☐ No ☒ NA ☐
- VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
- Were any sample containers received broken? Yes ☐ No ☒
- Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
- Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
- Is it clear what analyses were requested? Yes ☒ No ☐
- Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

## Special Handling (if applicable)

- Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

|                      |                    |       |   |
|----------------------|--------------------|-------|---|
| Person Notified:     | <i>[Signature]</i> | Date: | <i>[Signature]</i>  |
| By Whom:             | <i>[Signature]</i> | Via:  | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <i>[Signature]</i> |       |   |
| Client Instructions: | <i>[Signature]</i> |       |   |

- Additional remarks:

## 18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 1.8     | Good      | Yes         |         |           |           |



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report ☒ Final Report


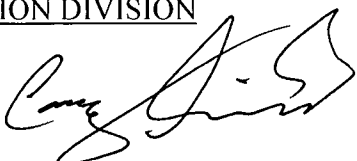
|   |                                  |         |
|---|----------------------------------|---------|
| Name of Company Williams Four Corners LLC | Contact Kelsey Christiansen      |         |
| Address 188 CR 4900, Bloomfield, NM 87413 | Telephone No. 505-632-4606       |         |
| Facility Name La Jara Compressor Station  | Facility Type Compressor Station |         |
| Surface Owner Bureau of Land Management   | Mineral Owner                    | API No. |

#### LOCATION OF RELEASE

|                  |              |                 |             |               |                  |               |                |                    |
|------------------|--------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter<br>M | Section<br>I | Township<br>30N | Range<br>9W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|------------------|--------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|

Latitude 36.81754° N Longitude 107.49144° W

#### NATURE OF RELEASE

|  |   |  |
|--|---|--|
| Type of Release Natural Gas  | Volume of Release 50 MCF  | Volume Recovered 0 MCF                               |
| Source of Release Pressure Relief Valve  | Date and Hour of Occurrence<br>03/05/15, 07:15 AM MST   | Date and Hour of Discovery<br>03/05/15, 07:15 AM MST |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required   | If YES, To Whom?  |  |
| By Whom?   | Date and Hour   |  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.   |  |
| If a Watercourse was Impacted, Describe Fully.*<br>Not Applicable  |   |  |
| Describe Cause of Problem and Remedial Action Taken.*<br>Williams' personnel heard natural gas releasing from a pressure relief valve at the La Jara Compressor facility. Upon discovery, the valve was reset and put back into proper operation. Approximately 50 MCF of natural gas was released.  |   |  |
| Describe Area Affected and Cleanup Action Taken.*<br>No clean-up required for natural gas releases.  |   |  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |   |  |
| Signature:    | OIL CONSERVATION DIVISION   |  |
| Printed Name: Kelsey Christiansen  | Approved by Environmental Specialist:  |  |
| Title: Environmental Specialist  | Approval Date: 4/30/15  | Expiration Date:                                     |
| E-mail Address: kelsey.christiansen@williams.com   | Conditions of Approval:   | Attached <input type="checkbox"/>                    |
| Date: 03/06/15   | Phone: 505-632-4606   |  |

\* Attach Additional Sheets If Necessary

#NCS 1512127276



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State of New Mexico  
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Oil Conservation Division  
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Santa Fe, NM 87505

MAR 20 2015

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

## OPERATOR

☐ Initial Report ☒ Final Report

|   |  |
|---|--|
| Name of Company Williams Four Corners LLC | Contact Kelsey Christiansen                  |
| Address 188 CR 4900, Bloomfield, NM 87413 | Telephone No. 505-632-4606                   |
| Facility Name Florance 31A Meter          | Facility Type Meter at Florance 31A wellsite |
| Surface Owner BLM                         | Mineral Owner                                |
| API No.                                   |  |

## LOCATION OF RELEASE

|                  |               |                 |             |               |                  |               |                |                    |
|------------------|---------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter<br>A | Section<br>12 | Township<br>29N | Range<br>8W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>San Juan |
|------------------|---------------|-----------------|-------------|---------------|------------------|---------------|----------------|--------------------|

Latitude N36.73722° Longitude W107.62203°

## NATURE OF RELEASE

|  |   |  |
|--|---|--|
| Type of Release Methanol mist resulting in flash fire  | Volume of Release 1 gallon methanol               | Volume Recovered 0 gallon                        |
| Source of Release 500 gallon methanol tank   | Date and Hour of Occurrence 03/12/15, 5:00 PM MST | Date and Hour of Discovery 03/12/15, 5:00 PM MST |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Cory Smith, NMOCD             |  |
| By Whom? Kelsey Christiansen   | Date and Hour 03/12/15 at 11:30 AM MST            |  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.         |  |

If a Watercourse was Impacted, Describe Fully.\*  
Not Applicable

Describe Cause of Problem and Remedial Action Taken.\*

During refueling of the 500 gallon methanol tank contractor did not have enough methanol in his truck to fill the tank. As a result, air was being fueled into the tank. The force of the air pressure caused a mist of methanol to come out of the top vent of the tank. The mist of methanol came into contact with the contractors fueling truck and found an ignition source. The fueling truck flashed and a fire was started. The contractors were able to immediately and safely put the fire out using fire extinguishers on hand. No injuries occurred. No methanol liquid remained after fire. In depth root cause analysis will be conducted to prevent a reoccurrence.

Describe Area Affected and Cleanup Action Taken.\*

No cleanup required for flash fire incident. Damaged vehicle was taken to Farmington, NM for repairs. No other damage associated with the fire incident.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

## OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Signature:

Printed Name: Kelsey Christiansen

Title: Environmental Specialist

Approval Date: 5/1/15

Expiration Date:

E-mail Address: kelsey.christiansen@williams.com

Conditions of Approval:

Attached ☐

Date: 03/12/15

Phone: 505-632-4606

\* Attach Additional Sheets If Necessary

#NCS 1512150815

①