

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 WPX Energy Production | Contact Deborah Watson | |
| Address PO Box 640 | Telephone No. 505-333-1880 | |
| Facility Name Rita Com #004 | Facility Type Well Site | |
| Surface Owner Federal | Mineral Owner Federal | API No. 30-039-23378 |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|------------|
| F | 8 | 23N | 06W | 1880 | North | 1730 | West | Rio Arriba |

Latitude N36.24193 Longitude W107.495567

NATURE OF RELEASE

| | | |
|--|--|---|
| Type of Release historic | Volume of Release unknown | Volume Recovered 0 bbls |
| Source of Release unknown | Date and Hour of Occurrence unknown | Date and Hour of Discovery 4/28/16 9:00 hrs |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? Katherina Diemer (BLM-FFO) Cory Smith (NMOCD) Vanessa Fields (NMOCD) | |
| By Whom? N/A | Date and Hour 4/28/16 via email | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

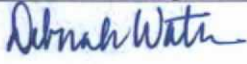
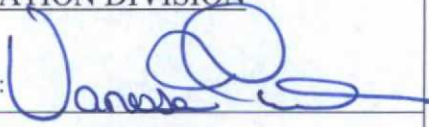
If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Historic contamination discovered during P&A activities.

Describe Area Affected and Cleanup Action Taken.*

- Historic contamination discovered below the former production tank.
- Impacted soils were removed and disposed of at the landfarm.
- On May 19, 2016, 11 5-point composite samples (SC-1 through SC-11) were collected from the excavation. The samples were analyzed for BTEX and TPH (GRO/DRO). A representative from NMOCD was present during sample collection.
- On June 6, 2016, an additional SC-9 was collected. A representative from NMOCD was present during sample collection.
- Final confirmation sampling results were reported below NMOCD action levels. (Laboratory analytical reports are included in the enclosed final report.)
- WPX received approval to backfill the location from BLM-FFO and NMOCD on June 7, 2016. No further action required.

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: Deborah Watson | Approved by Environmental Specialist:  | |
| Title: Environmental Specialist | Approval Date: 9/21/2016 | Expiration Date: |
| E-mail Address: deborah.watson@wpxenergy.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 08/12/2016 | Phone: 505-386-9693 | N/F 11612329283 |

* Attach Additional Sheets If Necessary



WPXENERGY.

Rita Com #004 Historic Release Report
Unit Letter F, Section 8, Township 23N, Range 6W
Rio Arriba County, NM

August 12, 2016

1.0 Introduction

In April 2016, hydrocarbon impacted soils were discovered during plugging and abandonment (P&A) activities at the Rita Com #004, located in Section 8, Township 23N, Range 6W, Rio Arriba County, New Mexico. The impacted soils were initially discovered beneath the production tank dump line. Removal of impacted soil and gravel began during the week of April 25, 2016.

A topographic map of the location is included as Figure 1 and an aerial site map is included as Figure 2.

2.0 Release Summary

Well Location: Rita Com #004

API #: 30-039-23378

Site Location Description: Unit Letter F, Section 8, Township 23N, Range 6W

Wellhead Latitude/Longitude: N36.2411842, W107.4955139

Release Latitude/Longitude: N36.24193, W107.495567

Land Jurisdiction: Federal, Bureau of Land Management (BLM)

Agency Notification: New Mexico Oil Conservation Division (NMOCD) and BLM Farmington Field Office (BLM-FFO)

Agency Notification Date(s): April 28, 2016

Source of Release: unknown

Release Contents: unknown

Volume Released: historic release

Volume Recovered: historic release

NMOCD Ranking: 20

3.0 Land Jurisdiction and Site Ranking

The referenced well is located on BLM land within the Farmington Field Office jurisdiction in Rio Arriba County, New Mexico.

In accordance with *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), this site was assigned a ranking score of 20. Based on a ranking score of 20, recommended remedial action levels (RRAL) for remediated soils at the site are as follows: 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons (TPH).

Depth to groundwater at the site is estimated to be 61 feet below ground surface (bgs) based on the April 2015 ground bed drilling log for the NE Chaco Com #199H which recorded depth to water at 86 feet bgs. The NE Chaco Com #199H is located 0.43 miles SSW and approximately 25 feet higher in elevation than the location.

A review was completed of the New Mexico Office of the State Engineer Online New Mexico Water Rights Reporting System and no water wells were identified within a 1,000 feet radius of the location.

The wash in Escrito Canyon is located approximately 382 feet NW of the location.

4.0 Field Activities

During P&A activities at the location impacted soil was discovered below the dump line associated with the production tank. Excavation and removal of impacted soil was initiated during the week of April 25, 2016. Approximately 2,090 cubic yards of hydrocarbon impacted soils were removed from an area of excavation measuring approximately 45 feet wide x 55 feet long x 2 to 15 feet deep. Sample locations are included as Figure 3. A copy of the executed C-138 Solid Waste Acceptance Form is attached.

5.0 Soil Sampling

On May 19, 2016, eleven confirmation soil samples (SC-1 through SC-11) were collected from the excavation. Ms. Vanessa Fields, NMOCD, was present during collection of the confirmation samples. Soil samples composited for laboratory analysis were placed into laboratory supplied glassware, labeled, and shipped on ice to Hall Environmental Analysis Laboratory. Each sample was analyzed for the following:

- BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B, and
- TPH (GRO/DRO) per USEPA Method 8015D, and

An additional SC-9 was collected on June 6, 2016. Ms. Vanessa Fields, NMOCD, was present during collection of the additional sample. Sample SC-9 (June) was analyzed for BTEX per USEPA Method 8021B and TPH per USEPA Method 8015.

6.0 Analytical Results

Final laboratory analytical results for soil confirmation samples (SC-1 through SC-11) reported benzene and BTEX concentrations below the NMOCD RRAL of 10 mg/kg and 50 mg/kg, respectively. All final soil confirmation samples reported TPH concentrations below the NMOCD RRAL of 1,000 mg/kg.

Laboratory analytical results are summarized in Table 1 and the analytical laboratory reports are attached.

7.0 Conclusions

Historic contamination was discovered during P&A activities at the Rita Com #004 located in Section 8, Township 23N, Range 6W, Rio Arriba County, New Mexico. Cleanup consisted of removal of approximately 2,090 cubic yards of impacted soils from the location. Confirmation samples were collected from the excavation which measured approximately 45 feet x 55 feet x 2 to 15 feet deep. Laboratory analytical results for soil confirmation samples (SC-1 through SC-11) reported benzene, total BTEX, and total TPH (GRO/DRO) concentrations below the NMOCD RRAL. On June 7, 2016, WPX received permission from BLM-FFO and NMOCD to backfill the location. Based on laboratory analytical results of the confirmation soil samples, no further work is recommended.

For additional information or questions regarding site conditions, please contact me at 505-333-1880.

Sincerely,



Deborah Watson
Environmental Specialist

Attachments

Figure 1. Topographic Map

Figure 2. Aerial Site Map

Figure 3. Soil Analytical Map

Table 1. Soil Sampling Results

Hall Analytical Laboratory Reports (Report #1605975 and Report #1606252)

Executed Certificate of Waste

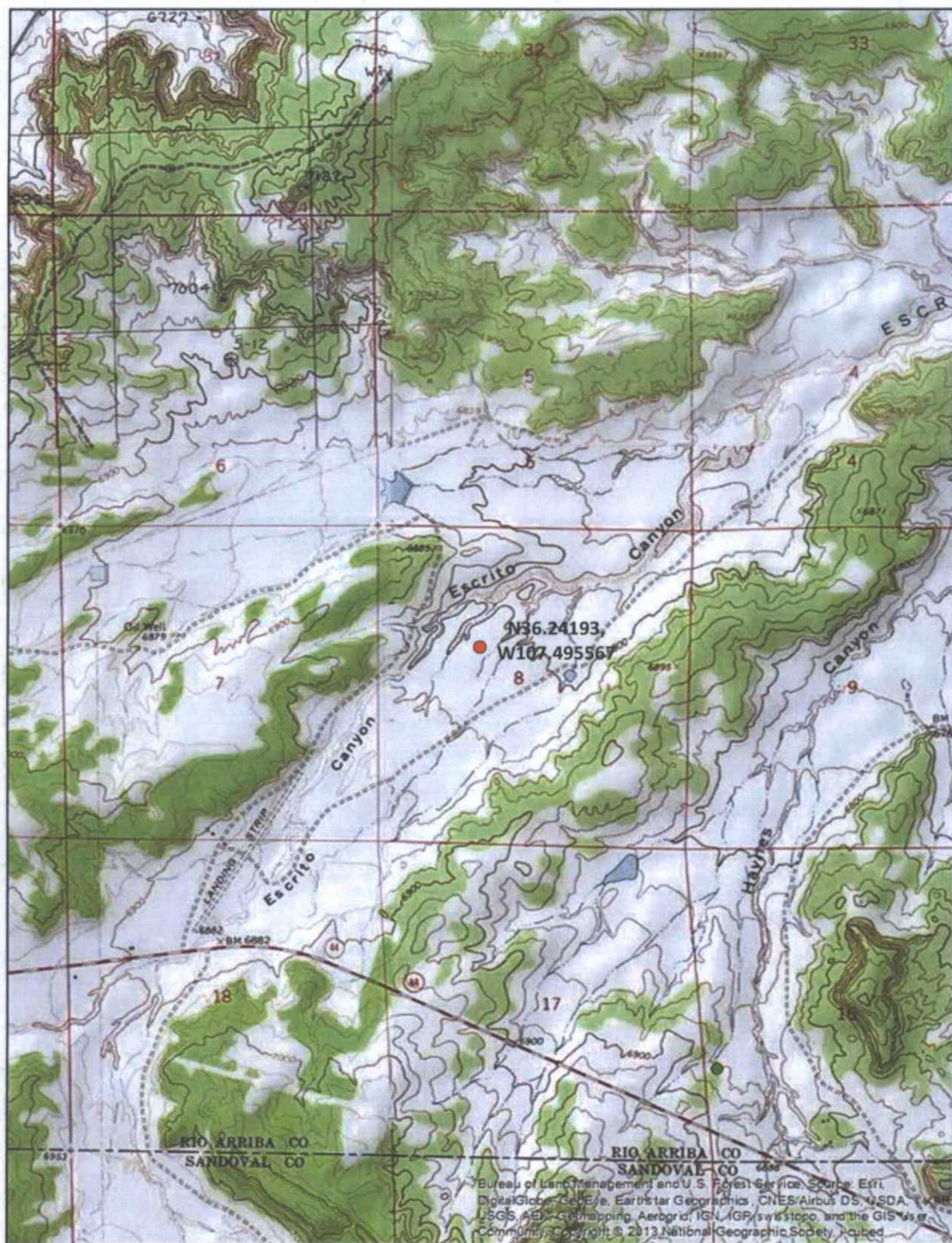


Figure 1. Topographic Map
Rita Com #004
Section 8, Township 23N, Range 06W
N36.2411842, W107.4955139
Rio Arriba County, NM
Scale 1:24,000



Figure 2. Aerial Site Map

Rita Com #004

Section 8, Township 23N, Range 06W

N36.2411842, W107.4955139

Rio Arriba County, NM



Figure 3. Soil Analytical Map
Rita Com #004
Section 8, Township 23N, Range 06W
N36.2411842, W107.4955139
Rio Arriba County, NM

Table 1. Soil Sampling Results

Rita Com #004

| Sample Name | Date | Location | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH as GRO (mg/kg) | TPH as DRO (mg/kg) | Total TPH (mg/kg) |
|--|-----------|-------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|--------------------|--------------------|-------------------|
| NMOCDD RRAL-Based on Site Ranking of 20 | | | 10 | NE | NE | NE | 50 | NE | NE | 100 |
| SC-1 | 19-May-16 | East Wall | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-2 | 19-May-16 | East Base | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-3 | 19-May-16 | North Wall | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-4 | 19-May-16 | NE Base | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-5 | 19-May-16 | NC Base | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-6 | 19-May-16 | NW Base | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-7 | 19-May-16 | Center Excavation | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-8 | 19-May-16 | West Wall | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-9 | 19-May-16 | SW base | ND | ND | ND | ND | ND | ND | 410 | 410 |
| SC-10 | 19-May-16 | SC base | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-11 | 19-May-16 | SE base | ND | ND | ND | ND | ND | ND | ND | ND |
| SC-9 | 6-Jun-16 | SW base | ND | ND | ND | ND | ND | ND | ND | ND |

NE-not established

ND-not detected above laboratory reporting limits



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

May 31, 2016

Debbie Watson
WPX Energy
721 S Main Ave
Aztec, NM 87410
TEL: (505) 333-1880
FAX

RE: Rita Com 004

OrderNo.: 1605981

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 11 sample(s) on 5/20/2016 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 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-1

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/2016 12:15:00 PM

Lab ID: 1605981-001

Matrix: SOIL

Received Date: 5/20/2016 8:00:00 AM *Law*

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/25/2016 11:13:55 AM | 25464 |
| Surr: DNOP | 112 | 70-130 | | %Rec | 1 | 5/25/2016 11:13:55 AM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/24/2016 10:19:45 PM | 25441 |
| Surr: BFB | 106 | 80-120 | | %Rec | 1 | 5/24/2016 10:19:45 PM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/24/2016 10:19:45 PM | 25441 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/24/2016 10:19:45 PM | 25441 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/24/2016 10:19:45 PM | 25441 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/24/2016 10:19:45 PM | 25441 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | | %Rec | 1 | 5/24/2016 10:19:45 PM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** WPX Energy**Client Sample ID:** SC-2**Project:** Rita Com 004**Collection Date:** ~~5/18/2016~~ 5/19/2016 12:17:00 PM**Lab ID:** 1605981-002**Matrix:** SOIL**Received Date:** 5/20/2016 8:00:00 AM

Jaw

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/25/2016 11:35:42 AM | 25464 |
| Surr: DNOP | 114 | 70-130 | | %Rec | 1 | 5/25/2016 11:35:42 AM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/24/2016 10:43:18 PM | 25441 |
| Surr: BFB | 107 | 80-120 | | %Rec | 1 | 5/24/2016 10:43:18 PM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/24/2016 10:43:18 PM | 25441 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/24/2016 10:43:18 PM | 25441 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/24/2016 10:43:18 PM | 25441 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/24/2016 10:43:18 PM | 25441 |
| Surr: 4-Bromofluorobenzene | 107 | 80-120 | | %Rec | 1 | 5/24/2016 10:43:18 PM | 25441 |

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 |
| | D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-3

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/16 12:20:00 PM *QW*

Lab ID: 1605981-003

Matrix: SOIL

Received Date: 5/20/2016 8:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/25/2016 11:57:17 AM | 25464 |
| Surr: DNOP | 82.9 | 70-130 | | %Rec | 1 | 5/25/2016 11:57:17 AM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 5/24/2016 11:06:43 PM | 25441 |
| Surr: BFB | 109 | 80-120 | | %Rec | 1 | 5/24/2016 11:06:43 PM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 5/24/2016 11:06:43 PM | 25441 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 5/24/2016 11:06:43 PM | 25441 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 5/24/2016 11:06:43 PM | 25441 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 5/24/2016 11:06:43 PM | 25441 |
| Surr: 4-Bromofluorobenzene | 109 | 80-120 | | %Rec | 1 | 5/24/2016 11:06:43 PM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-4

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/2016 12:22:00 *Law*

Lab ID: 1605981-004

Matrix: SOIL

PM Received Date: 5/20/2016 8:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 5/25/2016 12:18:58 PM | 25464 |
| Surr: DNOP | 84.4 | 70-130 | | %Rec | 1 | 5/25/2016 12:18:58 PM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 5/24/2016 11:30:05 PM | 25441 |
| Surr: BFB | 107 | 80-120 | | %Rec | 1 | 5/24/2016 11:30:05 PM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 5/24/2016 11:30:05 PM | 25441 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 5/24/2016 11:30:05 PM | 25441 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 5/24/2016 11:30:05 PM | 25441 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 5/24/2016 11:30:05 PM | 25441 |
| Surr: 4-Bromofluorobenzene | 108 | 80-120 | | %Rec | 1 | 5/24/2016 11:30:05 PM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** WPX Energy**Client Sample ID:** SC-5**Project:** Rita Com 004**Collection Date:** ~~5/18/2016~~ 5/19/2016 12:25:00 PM *QW***Lab ID:** 1605981-005**Matrix:** SOIL**Received Date:** 5/20/2016 8:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 5/25/2016 12:40:37 PM | 25464 |
| Surr: DNOP | 92.2 | 70-130 | | %Rec | 1 | 5/25/2016 12:40:37 PM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/24/2016 11:53:26 PM | 25441 |
| Surr: BFB | 107 | 80-120 | | %Rec | 1 | 5/24/2016 11:53:26 PM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/24/2016 11:53:26 PM | 25441 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/24/2016 11:53:26 PM | 25441 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/24/2016 11:53:26 PM | 25441 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 5/24/2016 11:53:26 PM | 25441 |
| Surr: 4-Bromofluorobenzene | 108 | 80-120 | | %Rec | 1 | 5/24/2016 11:53:26 PM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-6

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/2016 12:28:00 PM *QW*

Lab ID: 1605981-006

Matrix: SOIL

Received Date: 5/20/2016 8:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/25/2016 1:02:20 PM | 25464 |
| Surr: DNOP | 71.1 | 70-130 | | %Rec | 1 | 5/25/2016 1:02:20 PM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 5/25/2016 12:16:56 AM | 25441 |
| Surr: BFB | 108 | 80-120 | | %Rec | 1 | 5/25/2016 12:16:56 AM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/25/2016 12:16:56 AM | 25441 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 5/25/2016 12:16:56 AM | 25441 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 5/25/2016 12:16:56 AM | 25441 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 5/25/2016 12:16:56 AM | 25441 |
| Surr: 4-Bromofluorobenzene | 108 | 80-120 | | %Rec | 1 | 5/25/2016 12:16:56 AM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-7

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/2016 12:32:00 PM *Daw*

Lab ID: 1605981-007

Matrix: SOIL

Received Date: 5/20/2016 8:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 5/26/2016 12:23:42 PM | 25464 |
| Surr: DNOP | 76.0 | 70-130 | | %Rec | 1 | 5/26/2016 12:23:42 PM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 5/25/2016 1:50:22 AM | 25441 |
| Surr: BFB | 110 | 80-120 | | %Rec | 1 | 5/25/2016 1:50:22 AM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 5/25/2016 1:50:22 AM | 25441 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 5/25/2016 1:50:22 AM | 25441 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 5/25/2016 1:50:22 AM | 25441 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 5/25/2016 1:50:22 AM | 25441 |
| Surr: 4-Bromofluorobenzene | 111 | 80-120 | | %Rec | 1 | 5/25/2016 1:50:22 AM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-8

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/2016 12:35:00 PM

Lab ID: 1605981-008

Matrix: SOIL

Received Date: 5/20/2016 8:00:00 AM *QW*

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 5/25/2016 1:45:39 PM | 25464 |
| Surr: DNOP | 105 | 70-130 | | %Rec | 1 | 5/25/2016 1:45:39 PM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 5/25/2016 2:13:40 AM | 25441 |
| Surr: BFB | 108 | 80-120 | | %Rec | 1 | 5/25/2016 2:13:40 AM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/25/2016 2:13:40 AM | 25441 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 5/25/2016 2:13:40 AM | 25441 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 5/25/2016 2:13:40 AM | 25441 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 5/25/2016 2:13:40 AM | 25441 |
| Surr: 4-Bromofluorobenzene | 109 | 80-120 | | %Rec | 1 | 5/25/2016 2:13:40 AM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | Page 8 of 14 |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-9

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/2016 12:40:00 PM

Lab ID: 1605981-009

Matrix: SOIL

Received Date: 5/20/2016 8:00:00 AM *Law*

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 410 | 9.7 | | mg/Kg | 1 | 5/25/2016 2:07:15 PM | 25464 |
| Surr: DNOP | 101 | 70-130 | | %Rec | 1 | 5/25/2016 2:07:15 PM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/25/2016 2:37:01 AM | 25441 |
| Surr: BFB | 109 | 80-120 | | %Rec | 1 | 5/25/2016 2:37:01 AM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/25/2016 2:37:01 AM | 25441 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/25/2016 2:37:01 AM | 25441 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/25/2016 2:37:01 AM | 25441 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 5/25/2016 2:37:01 AM | 25441 |
| Surr: 4-Bromofluorobenzene | 110 | 80-120 | | %Rec | 1 | 5/25/2016 2:37:01 AM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-10

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/2016 12:42:00 PM

Lab ID: 1605981-010

Matrix: SOIL

Received Date: 5/20/2016 8:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 5/25/2016 2:50:34 PM | 25464 |
| Surr: DNOP | 76.1 | 70-130 | | %Rec | 1 | 5/25/2016 2:50:34 PM | 25464 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/25/2016 3:00:23 AM | 25441 |
| Surr: BFB | 107 | 80-120 | | %Rec | 1 | 5/25/2016 3:00:23 AM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/25/2016 3:00:23 AM | 25441 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/25/2016 3:00:23 AM | 25441 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/25/2016 3:00:23 AM | 25441 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/25/2016 3:00:23 AM | 25441 |
| Surr: 4-Bromofluorobenzene | 107 | 80-120 | | %Rec | 1 | 5/25/2016 3:00:23 AM | 25441 |

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 |
| | D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Analytical Report

Lab Order 1605981

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-11

Project: Rita Com 004

Collection Date: ~~5/18/2016~~ 5/19/2016 12:45:00

Lab ID: 1605981-011

Matrix: SOIL

PM Received Date: 5/20/2016 8:00:00 AM *Daw*

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/28/2016 5:17:08 AM | 25528 |
| Surr: DNOP | 87.4 | 70-130 | | %Rec | 1 | 5/28/2016 5:17:08 AM | 25528 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/25/2016 3:24:04 AM | 25441 |
| Surr: BFB | 105 | 80-120 | | %Rec | 1 | 5/25/2016 3:24:04 AM | 25441 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/25/2016 3:24:04 AM | 25441 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/25/2016 3:24:04 AM | 25441 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/25/2016 3:24:04 AM | 25441 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 5/25/2016 3:24:04 AM | 25441 |
| Surr: 4-Bromofluorobenzene | 105 | 80-120 | | %Rec | 1 | 5/25/2016 3:24:04 AM | 25441 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605981

31-May-16

Client: WPX Energy

Project: Rita Com 004

| | | | | | | | | | | |
|-----------------------------|-----------|-----|--------------------------|-------------|---|----------|--------------|------|----------|------|
| Sample ID | LCS-25464 | | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | | Batch ID: 25464 | | RunNo: 34465 | | | | | |
| Prep Date: | 5/24/2016 | | Analysis Date: 5/25/2016 | | SeqNo: 1062889 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 54 | 10 | 50.00 | 0 | 107 | 62.6 | 124 | | | |
| Surr: DNOP | 5.9 | | 5.000 | | 117 | 70 | 130 | | | |

| | | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|--|
| Sample ID | MB-25464 | | SampType: | MBLK | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | |
| Client ID: | PBS | | Batch ID: | 25464 | | RunNo: | 34465 | | | | |
| Prep Date: | 5/24/2016 | | Analysis Date: | 5/25/2016 | | SeqNo: | 1062891 | | 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 | 11 | | 10.00 | | 106 | 70 | 130 | | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|-----|--------------------------|-------------|---|----------|--------------|------|----------|------|
| Sample ID | LCS-25528 | | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | | Batch ID: 25528 | | RunNo: 34525 | | | | | |
| Prep Date: | 5/26/2016 | | Analysis Date: 5/27/2016 | | SeqNo: 1064914 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 48 | 10 | 50.00 | 0 | 96.0 | 62.6 | 124 | | | |
| Surr: DNOP | 4.3 | | 5.000 | | 86.7 | 70 | 130 | | | |

| | | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|--|
| Sample ID | MB-25528 | | SampType: | MBLK | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | |
| Client ID: | PBS | | Batch ID: | 25528 | | RunNo: | 34525 | | | | |
| Prep Date: | 5/26/2016 | | Analysis Date: | 5/27/2016 | | SeqNo: | 1064915 | | 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 | 9.5 | | 10.00 | | 95.5 | 70 | 130 | | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605981

31-May-16

Client: WPX Energy

Project: Rita Com 004

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-25441 | SampType: | MBLK | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | 25441 | RunNo: | 34440 | | | | | |
| Prep Date: | 5/23/2016 | Analysis Date: | 5/24/2016 | SeqNo: | 1062221 | 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 | 1100 | | 1000 | | 106 | 80 | 120 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|--------------------------|-----------|-------------|--|----------|--------------|------|----------|------|
| Sample ID | LCS-25441 | SampType: LCS | | | TestCode: EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: 25441 | | | RunNo: 34440 | | | | | |
| Prep Date: | 5/23/2016 | Analysis Date: 5/24/2016 | | | SeqNo: 1062222 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 5.0 | 25.00 | 0 | 90.0 | 80 | 120 | | | |
| Surr: BFB | 1200 | | 1000 | | 118 | 80 | 120 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605981

31-May-16

Client: WPX Energy

Project: Rita Com 004

| | | | | | | | | | | |
|----------------------------|-----------|-------|----------------|-------------|------|-----------|-----------------------------|------|--------------|------|
| Sample ID | MB-25441 | | SampType: | MBLK | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | PBS | | Batch ID: | 25441 | | RunNo: | 34440 | | | |
| Prep Date: | 5/23/2016 | | Analysis Date: | 5/24/2016 | | SeqNo: | 1062259 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 110 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|-----------|-------|----------------|-------------|------|-----------|-----------------------------|------|--------------|------|
| Sample ID | LCS-25441 | | SampType: | LCS | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | LCSS | | Batch ID: | 25441 | | RunNo: | 34440 | | | |
| Prep Date: | 5/23/2016 | | Analysis Date: | 5/24/2016 | | SeqNo: | 1062260 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.1 | 0.025 | 1.000 | 0 | 109 | 75.3 | 123 | | | |
| Toluene | 1.1 | 0.050 | 1.000 | 0 | 106 | 80 | 124 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 102 | 82.8 | 121 | | | |
| Xylenes, Total | 3.0 | 0.10 | 3.000 | 0 | 102 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 1.000 | | 117 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|----------------|-------|----------------|-------------|------|-----------|-----------------------------|------|--------------|------|
| Sample ID | 1605981-001AMS | | SampType: | MS | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | SC-1 | | Batch ID: | 25441 | | RunNo: | 34440 | | | |
| Prep Date: | 5/23/2016 | | Analysis Date: | 5/24/2016 | | SeqNo: | 1062262 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.1 | 0.025 | 0.9911 | 0 | 107 | 71.5 | 122 | | | |
| Toluene | 1.0 | 0.050 | 0.9911 | 0.01055 | 105 | 71.2 | 123 | | | |
| Ethylbenzene | 1.0 | 0.050 | 0.9911 | 0 | 104 | 75.2 | 130 | | | |
| Xylenes, Total | 3.1 | 0.099 | 2.973 | 0 | 104 | 72.4 | 131 | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 0.9911 | | 118 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|-----------------|-------|----------------|-------------|------|-----------|-----------------------------|------|--------------|------|
| Sample ID | 1605981-001AMSD | | SampType: | MSD | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | SC-1 | | Batch ID: | 25441 | | RunNo: | 34440 | | | |
| Prep Date: | 5/23/2016 | | Analysis Date: | 5/24/2016 | | SeqNo: | 1062263 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.97 | 0.024 | 0.9551 | 0 | 102 | 71.5 | 122 | 8.59 | 20 | |
| Toluene | 0.98 | 0.048 | 0.9551 | 0.01055 | 102 | 71.2 | 123 | 6.34 | 20 | |
| Ethylbenzene | 0.96 | 0.048 | 0.9551 | 0 | 101 | 75.2 | 130 | 6.65 | 20 | |
| Xylenes, Total | 2.9 | 0.096 | 2.865 | 0 | 101 | 72.4 | 131 | 6.28 | 20 | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 0.9551 | | 116 | 80 | 120 | 0 | 0 | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



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: WPX ENERGY

Work Order Number: 1605981

RcptNo: 1

Received by/date:

[Signature] 05/20/16

Logged By: Lindsay Mangin

5/20/2016 8:00:00 AM

[Signature]

Completed By: Lindsay Mangin

5/20/2016 12:49:17 PM

[Signature]

Reviewed By:

IO

05/20/16

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 5.0°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 | 1.0 | Good | Yes | | | |

Chain-of-Custody Record

Turn-Around Time:

Client: WPX Energy

☒ Standard ☐ Rush

Mailing Address: PO Box 640

Project Name:

Rita Com #004

Aztec, NM 87410

Project #:

Phone #: 505-333-1880/505-386-9693

Email or Fax#: deborah.watson@wpxenergy.com

Project Manager:

D. Watson

VQC Package:

Standard ☐ Level 4 (Full Validation)

Creditation:

NELAP ☐ Other

Sampler: D Watson

On Ice: ☒ Yes ☐ No

EDD (Type)

Sample Temperature: 1.0



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. | BTEX (8021) | TPH (8015) GRO/DRO ONLY | Air Bubbles (Y or N) |
|---------|------|--------|-------------------|----------------------|-------------------|----------|-------------|-------------------------|----------------------|
| 5.18.16 | 1215 | Soil | SC-1 | 1-4oz | cold | -001 | X | X | |
| | 1217 | | SC-2 | | | -002 | X | X | |
| | 1220 | | SC-3 | | | -003 | X | X | |
| | 1222 | | SC-4 | | | -004 | X | X | |
| | 1225 | | SC-5 | | | -005 | X | X | |
| | 1228 | | SC-6 | | | -006 | X | X | |
| | 1232 | | SC-7 | | | -007 | X | X | |
| | 1235 | | SC-8 | | | -008 | X | X | |
| | 1240 | | SC-9 | | | -009 | X | X | |
| | 1242 | | SC-10 | | | -010 | X | X | |
| | 1245 | | SC-11 | | | -011 | X | X | |

| | | | |
|------------------|----------------|----------|------|
| Relinquished by: | Received by: | Date | Time |
| Deborah Watson | Christa Wacker | 5/19/16 | 1610 |
| Relinquished by: | Received by: | Date | Time |
| Christa Wacker | Joe. West | 05/20/16 | 0800 |

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.



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

June 13, 2016

Debbie Watson
WPX Energy
721 S Main Ave
Aztec, NM 87410
TEL: (505) 333-1880
FAX

RE: Rita Com 004

OrderNo.: 1606252

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/7/2016 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 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1606252

Date Reported: 6/13/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-9

Project: Rita Com 004

Collection Date: 6/6/2016 11:53:00 AM

Lab ID: 1606252-001

Matrix: MEOH (SOIL)

Received Date: 6/7/2016 7:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 6/7/2016 11:16:03 AM | 25700 |
| Surr: DNOP | 70.8 | 70-130 | | %Rec | 1 | 6/7/2016 11:16:03 AM | 25700 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.1 | | mg/Kg | 1 | 6/7/2016 10:48:46 AM | 25678 |
| Surr: BFB | 103 | 80-120 | | %Rec | 1 | 6/7/2016 10:48:46 AM | 25678 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.020 | | mg/Kg | 1 | 6/7/2016 10:48:46 AM | 25678 |
| Toluene | ND | 0.041 | | mg/Kg | 1 | 6/7/2016 10:48:46 AM | 25678 |
| Ethylbenzene | ND | 0.041 | | mg/Kg | 1 | 6/7/2016 10:48:46 AM | 25678 |
| Xylenes, Total | ND | 0.082 | | mg/Kg | 1 | 6/7/2016 10:48:46 AM | 25678 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 6/7/2016 10:48:46 AM | 25678 |

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 |
| | D | Sample Diluted Due to Matrix | 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 | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1606252

13-Jun-16

Client: WPX Energy

Project: Rita Com 004

| | | | | | | | | | | |
|-----------------------------|----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | MB-25700 | SampType: | MBLK | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | PBS | Batch ID: | 25700 | RunNo: | 34721 | | | | | |
| Prep Date: | 6/7/2016 | Analysis Date: | 6/7/2016 | SeqNo: | 1071404 | 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 | 10 | | 10.00 | | 101 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | LCS-25700 | SampType: | LCS | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | Batch ID: | 25700 | RunNo: | 34721 | | | | | |
| Prep Date: | 6/7/2016 | Analysis Date: | 6/7/2016 | SeqNo: | 1071405 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 | 10 | 50.00 | 0 | 93.0 | 62.6 | 124 | | | |
| Surr: DNOP | 4.5 | | 5.000 | | 90.5 | 70 | 130 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1606252

13-Jun-16

Client: WPX Energy

Project: Rita Com 004

| | | | | | | | | | | |
|-------------------------------|----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-25678 | SampType: | MBLK | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | 25678 | RunNo: | 34739 | | | | | |
| Prep Date: | 6/6/2016 | Analysis Date: | 6/7/2016 | SeqNo: | 1072052 | 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 | 1000 | | 1000 | | 102 | 80 | 120 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25678 | SampType: | LCS | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | 25678 | RunNo: | 34739 | | | | | |
| Prep Date: | 6/6/2016 | Analysis Date: | 6/7/2016 | SeqNo: | 1072053 | 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 | 91.6 | 80 | 120 | | | |
| Surr: BFB | 1100 | | 1000 | | 110 | 80 | 120 | | | |

Qualifiers:

| | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1606252

13-Jun-16

Client: WPX Energy

Project: Rita Com 004

| | | | | | | | | | | |
|----------------------------|----------|-------|----------------|-------------|------|-----------|-----------------------------|--------|----------|------|
| Sample ID | MB-25678 | | SampType: | MBLK | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | PBS | | Batch ID: | 25678 | | RunNo: | 34739 | | | |
| Prep Date: | 6/6/2016 | | Analysis Date: | 6/7/2016 | | SeqNo: | 1072068 | Units: | mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 102 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|-----------|-------|----------------|-------------|------|-----------|-----------------------------|--------|----------|------|
| Sample ID | LCS-25678 | | SampType: | LCS | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | LCSS | | Batch ID: | 25678 | | RunNo: | 34739 | | | |
| Prep Date: | 6/6/2016 | | Analysis Date: | 6/7/2016 | | SeqNo: | 1072069 | Units: | mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.90 | 0.025 | 1.000 | 0 | 90.0 | 75.3 | 123 | | | |
| Toluene | 0.94 | 0.050 | 1.000 | 0 | 94.3 | 80 | 124 | | | |
| Ethylbenzene | 0.96 | 0.050 | 1.000 | 0 | 95.6 | 82.8 | 121 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 95.8 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 107 | 80 | 120 | | | |

Qualifiers:

| | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



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: WPX ENERGY

Work Order Number: 1606252

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

6/7/2016 7:40:00 AM

Completed By: Lindsay Mangin

6/7/2016 7:53:10 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°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 ☐ # of preserved bottles checked for pH: ☐
(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐ Adjusted? ☐
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 ☐ 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 | 2.6 | Good | Yes | | | |

[illegible]

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-138
Revised August 1, 2011
04108-0552
*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| |
|--|
| 1. Generator Name and Address: WPX Energy, PO Box 640, Aztec NM Requested by: Chad Comer |
| 2. Originating Site: Rita #004 (API # 30-039-23378) Rio Arriba, NM |
| 3. Location of Material (Street Address, City, State or ULSTR): Unit Letter F, Section 08, T23N, R06W |
| 4. Source and Description of Waste: Hydrocarbon impacted soils associated with a historic release. Estimated Volume <u>12 yd³</u> yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) <u>2090</u> yd ³ bbls |
| 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Deborah Watson</u> , representative or authorized agent for <u>WPX Energy Co</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) |
| GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Deborah Watson</u> , representative for <u>WPX Energy Co</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC. |
| 5. Transporter: <u>MMT, Swca 2ca, 3E Energy, Yucca, Ternco, Adobe</u> Varies |

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech, Inc. Soil Remediation Facility Permit# NM 01-0011
Address of Facility: #43 Road 7175, south of Bloomfield, Hilltop, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

TITLE: Environmental Manager

DATE: 4/25/16

SIGNATURE: [Signature]

TELEPHONE NO.: 505-632-0615

Surface Waste Management Facility Authorized Agent