

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109

SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

RECEIVED
10/11/2012

| | | |
|--|----------------------------------|--|
| 1. OGCC Operator Number: 96850 | 4. Contact Name: Karolina Blaney | Complete the Attachment Checklist OP OGCC |
| 2. Name of Operator: WPX Energy Rocky Mountain LLC | Phone: 970 683 2295 | |
| 3. Address: 1058 County Road 215 City: Parachute State: CO Zip: 81635 | Fax: 970 285 9573 | |
| 5. API Number 05-045-06355 | OGCC Facility ID Number 336009 | Survey Plat |
| 6. Well/Facility Name: | 7. Well/Facility Number KP 24-8 | Directional Survey |
| 8. Location (Qtr/Sec, Twp, Rng, Meridian): SESW- 8-6S-91W- 06M | | Surface Eqpm Diagram |
| 9. County: Garfield | 10. Field Name: Kokopelli | Technical Info Page |
| 11. Federal, Indian or State Lease Number: | | Other |

General Notice

| | |
|--|---|
| <input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit) | |
| Change of Surface Footage from Exterior Section Lines: | <input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL |
| Change of Surface Footage to Exterior Section Lines: | <input type="checkbox"/> <input type="checkbox"/> |
| Change of Bottomhole Footage from Exterior Section Lines: | <input type="checkbox"/> <input type="checkbox"/> |
| Change of Bottomhole Footage to Exterior Section Lines: | <input type="checkbox"/> <input type="checkbox"/> attach directional survey |
| Bottomhole location Qtr/Sec, Twp, Rng, Mer | |
| Latitude | Distance to nearest property line |
| Longitude | Distance to nearest bldg, public rd, utility or RR |
| Ground Elevation | Distance to nearest lease line |
| | Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/> |
| | Distance to nearest well same formation |
| | Surface owner consultation date: |
| GPS DATA: | |
| Date of Measurement | PDOP Reading |
| | Instrument Operator's Name |
| <input type="checkbox"/> CHANGE SPACING UNIT | |
| Formation | Formation Code |
| Spacing order number | Unit Acreage |
| | Unit configuration |
| <input type="checkbox"/> Remove from surface bond | |
| Signed surface use agreement attached | |
| <input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling): | |
| Effective Date: | NUMBER |
| Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual | From: |
| | To: |
| | Effective Date: |
| <input type="checkbox"/> ABANDONED LOCATION: | |
| Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS |
| Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No | Date well shut in or temporarily abandoned: |
| Date Ready for Inspection: | Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | MIT required if shut in longer than two years. Date of last MIT |
| <input type="checkbox"/> SPUD DATE: | |
| <input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set) | |
| <input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK | |
| Method used | *submit cbl and cement job summaries |
| Cementing tool setting/perf depth | Cement volume |
| Cement top | Cement bottom |
| | Date |
| <input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004. | |
| Final reclamation will commence on approximately | <input type="checkbox"/> Final reclamation is completed and site is ready for inspection. |

Technical Engineering/Environmental Notice

| | |
|---|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Report of Work Done |
| Approximate Start Date: | Date Work Completed: |
| Details of work must be described in full on Technical Information Page (Page 2 must be submitted.) | |
| <input type="checkbox"/> Intent to Recomplete (submit form 2) | <input type="checkbox"/> Request to Vent or Flare |
| <input type="checkbox"/> Change Drilling Plans | <input type="checkbox"/> Repair Well |
| <input type="checkbox"/> Gross Interval Changed? | <input type="checkbox"/> Rule 502 variance requested |
| <input type="checkbox"/> Casing/Cementing Program Change | <input type="checkbox"/> Other: |
| <input checked="" type="checkbox"/> E&P Waste Disposal | <input checked="" type="checkbox"/> Beneficial Reuse of E&P Waste |
| <input type="checkbox"/> Status Update/Change of Remediation Plans | for Spills and Releases |

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Karolina Blaney
Print Name: Karolina BlaneyDate: 10/11/2012 Email: Karolina.Blaney@WPXEnergy.com
Title: Environmental SpecialistCOGCC Approved: Chris Canfield
CONDITIONS OF APPROVAL, IF ANY:

Title: FOR

Date: 11/06/2012

- 1) Operator must have written approval by owner, on file.
- 2) SAR was 26, so if shooting range berm will be vegetated, clean soil must be used on top.

Chris Canfield
EPS NW Region

- 3) This is a E&P waste disposal (Table 9-10.1 OK✓) for beneficial use.

TECHNICAL INFORMATION PAGE

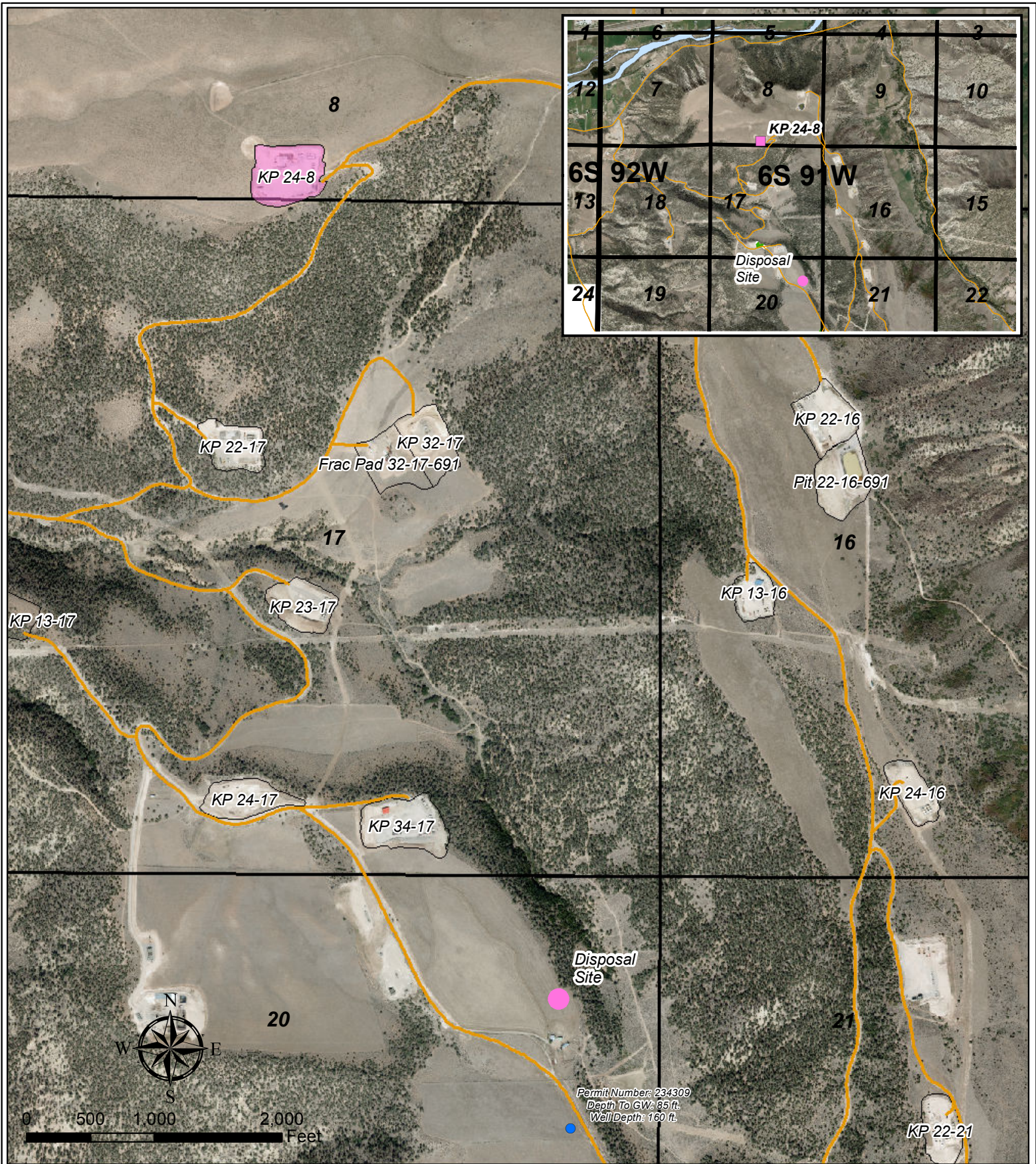


FOR OGCC USE ONLY

| | |
|--|-----------------------------|
| 1. OGCC Operator Number: _____ | API Number: _____ |
| 2. Name of Operator: _____ | OGCC Facility ID # _____ |
| 3. Well/Facility Name: _____ | Well/Facility Number: _____ |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): _____ | |

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

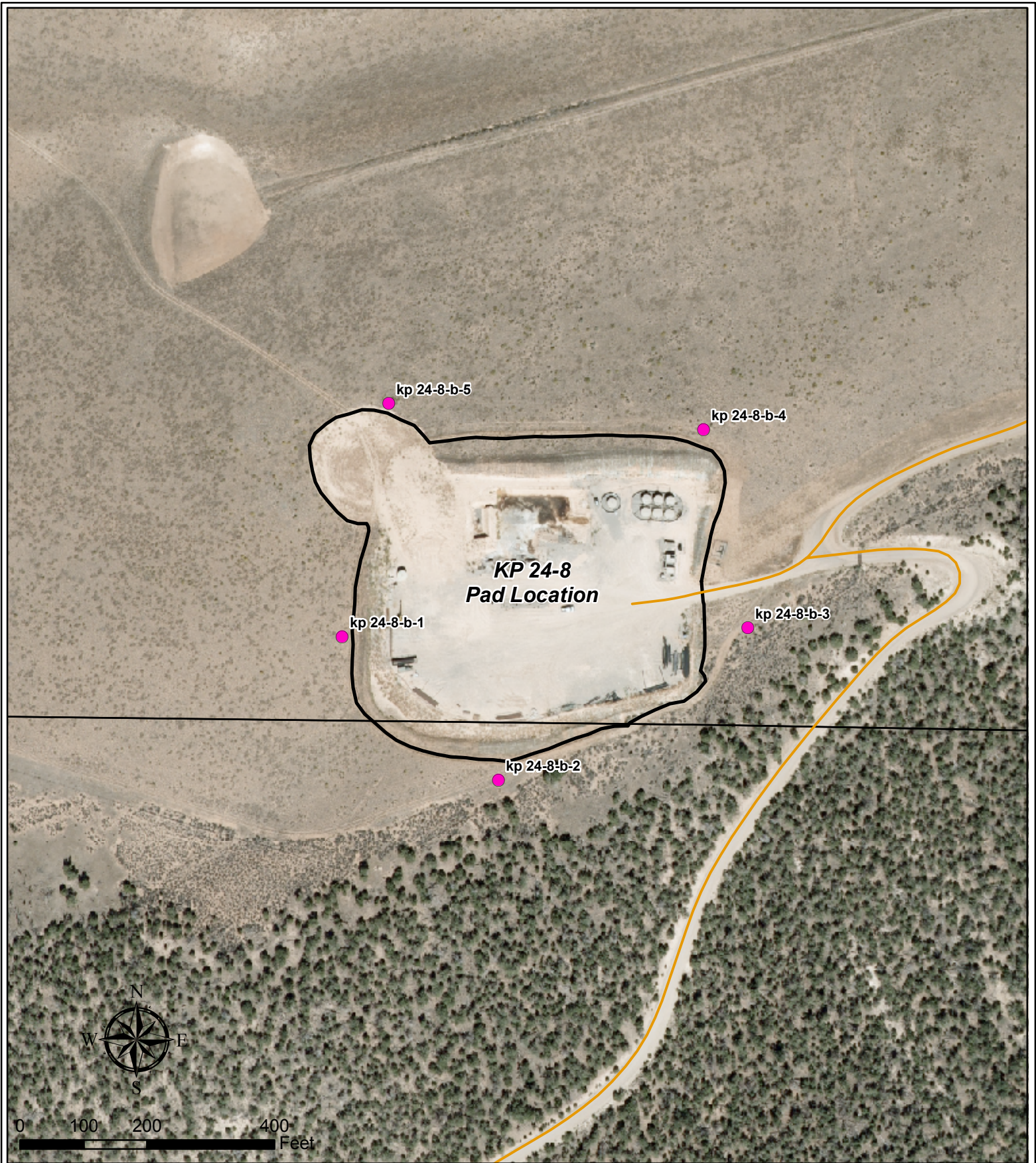


Legend

- Water Well
- Existing Road
- Existing Pad

Cuttings Disposal Location Map October 10, 2012





Legend

- Sample Location
- Existing Road
- Existing Pad Limit of Disturbance

KP 24-8

Arsenic Background Sample Location Map
T6S R91W, Section 8

January 10, 2011





12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Karolina Blaney
WPX Energy
1058 County Road 215
Parachute, CO 81635

Report Summary

Tuesday September 11, 2012

Report Number: L592941

Samples Received: 08/31/12

Client Project:

Description: KP 24-8 cuttings

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

REPORT OF ANALYSIS

Karolina Blaney
WPX Energy
1058 County Road 215
Parachute, CO 81635

September 11, 2012

Date Received : August 31, 2012
Description : KP 24-8 cuttings

Sample ID : KP 24-8

Collected By :
Collection Date : 08/28/12 10:15

ESC Sample # : L592941-01

Site ID : KP 24-8

Project # :

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| Benzene | 0.0063 | 0.0025 | mg/kg | 8021/8015 | 09/02/12 | 5 |
| Toluene | BDL | 0.025 | mg/kg | 8021/8015 | 09/02/12 | 5 |
| Ethylbenzene | 0.0062 | 0.0025 | mg/kg | 8021/8015 | 09/02/12 | 5 |
| Total Xylene | 0.052 | 0.0075 | mg/kg | 8021/8015 | 09/02/12 | 5 |
| TPH (GC/FID) Low Fraction | 3.1 | 0.50 | mg/kg | GRO | 09/02/12 | 5 |
| Surrogate Recovery-% | | | | | | |
| a,a,a-Trifluorotoluene(FID) | 95.5 | | % Rec. | 8021/8015 | 09/02/12 | 5 |
| a,a,a-Trifluorotoluene(PID) | 99.6 | | % Rec. | 8021/8015 | 09/02/12 | 5 |
| TPH (GC/FID) High Fraction | 63. | 4.0 | mg/kg | 3546/DRO | 09/10/12 | 1 |
| Surrogate recovery(%) | | | | | | |
| o-Terphenyl | 94.1 | | % Rec. | 3546/DRO | 09/10/12 | 1 |
| Polynuclear Aromatic Hydrocarbons | | | | | | |
| Anthracene | 0.018 | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Acenaphthene | 0.021 | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Benzo(a)anthracene | BDL | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Benzo(a)pyrene | BDL | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Benzo(b)fluoranthene | 0.0076 | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Benzo(k)fluoranthene | BDL | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Chrysene | 0.020 | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Dibenz(a,h)anthracene | BDL | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Fluoranthene | BDL | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Fluorene | 0.070 | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Indeno(1,2,3-cd)pyrene | BDL | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Naphthalene | 0.28 | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Pyrene | 0.014 | 0.0060 | mg/kg | 8270C-SIM | 09/08/12 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 133. | | % Rec. | 8270C-SIM | 09/08/12 | 1 |
| 2-Fluorobiphenyl | 68.3 | | % Rec. | 8270C-SIM | 09/08/12 | 1 |
| p-Terphenyl-d14 | 73.0 | | % Rec. | 8270C-SIM | 09/08/12 | 1 |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/11/12 15:39 Printed: 09/11/12 15:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Karolina Blaney
WPX Energy
1058 County Road 215
Parachute, CO 81635

September 11, 2012

Date Received : August 31, 2012
Description : KP 24-8 cuttings

Sample ID : KP 24-8

Collected By :
Collection Date : 08/28/12 10:15

ESC Sample # : L592941-02

Site ID : KP 24-8

Project # :

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|-------------------------|--------|------------|----------|-------------|----------|------|
| Chromium, Hexavalent | BDL | 4.0 | mg/kg | 3060A/7196A | 09/07/12 | 2 |
| Chromium, Trivalent | 9.4 | 4.0 | mg/kg | Calc. | 09/03/12 | 1 |
| ORP | 150 | | mV | 2580 | 09/07/12 | 1 |
| pH | 8.0 | | su | 9045D | 09/04/12 | 1 |
| Sodium Adsorption Ratio | 26. | | | Calc. | 09/06/12 | 1 |
| Specific Conductance | 1500 | | umhos/cm | 9050AMod | 09/07/12 | 1 |
| Mercury | 0.027 | 0.020 | mg/kg | 7471 | 09/04/12 | 1 |
| Arsenic | 4.6 | 1.0 | mg/kg | 6010B | 09/03/12 | 1 |
| Barium | 3300 | 0.25 | mg/kg | 6010B | 09/03/12 | 1 |
| Cadmium | BDL | 0.25 | mg/kg | 6010B | 09/03/12 | 1 |
| Chromium | 9.4 | 0.50 | mg/kg | 6010B | 09/03/12 | 1 |
| Copper | 20. | 1.0 | mg/kg | 6010B | 09/03/12 | 1 |
| Lead | 6.6 | 0.25 | mg/kg | 6010B | 09/03/12 | 1 |
| Nickel | 10. | 1.0 | mg/kg | 6010B | 09/03/12 | 1 |
| Selenium | BDL | 5.0 | mg/kg | 6010B | 09/03/12 | 5 |
| Silver | BDL | 0.50 | mg/kg | 6010B | 09/03/12 | 1 |
| Zinc | 32. | 1.5 | mg/kg | 6010B | 09/03/12 | 1 |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/11/12 15:39 Printed: 09/11/12 15:41

L592941-02 (PH) - 8.0@19.7c

L592941-02 (CR6) - diluted due to sample color interference

Attachment A
List of Analytes with QC Qualifiers

| Sample Number | Work Group | Sample Type | Analyte | Run ID | Qualifier |
|------------------|---------------|----------------|----------------------|-----------|-----------|
| L592941-02 | WG610659 | SAMP | Selenium | R2328016 | O |
| | WG610677 | SAMP | pH | R2329833 | T8 |
| | WG610946 | SAMP | Chromium, Hexavalent | R2333333 | O |

Attachment B
Explanation of QC Qualifier Codes

| Qualifier | Meaning |
|-----------|--|
| 0 | (ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution. |
| T8 | (ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration. |

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
09/11/12 at 15:41:34

TSR Signing Reports: 364
R5 - Desired TAT

on 910 list samples, please log BTEXGRO, DRO and PAHSIM to separate dash numbers.

Sample: L592941-01 Account: WILPCO Received: 08/31/12 09:45 Due Date: 09/10/12 00:00 RPT Date: 09/11/12 15:39

Sample: L592941-02 Account: WILPCO Received: 08/31/12 09:45 Due Date: 09/10/12 00:00 RPT Date: 09/11/12 15:39



WPX Energy
Karolina Blaney
1058 County Road 215
Parachute, CO 81635

Quality Assurance Report
Level II

L592941

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

September 11, 2012

| Analyte | Result | Laboratory Blank | | Limit | Batch | Date Analyzed |
|-----------------------------|---------|------------------|-------|--------|----------|----------------|
| | | Units | % Rec | | | |
| Benzene | < .0005 | mg/kg | | | WG610710 | 09/02/12 00:05 |
| Ethylbenzene | < .0005 | mg/kg | | | WG610710 | 09/02/12 00:05 |
| Toluene | < .005 | mg/kg | | | WG610710 | 09/02/12 00:05 |
| TPH (GC/FID) Low Fraction | < .1 | mg/kg | | | WG610710 | 09/02/12 00:05 |
| Total Xylene | < .0015 | mg/kg | | | WG610710 | 09/02/12 00:05 |
| a,a,a-Trifluorotoluene(FID) | | % Rec. | 95.48 | 59-128 | WG610710 | 09/02/12 00:05 |
| a,a,a-Trifluorotoluene(PID) | | % Rec. | 100.8 | 54-144 | WG610710 | 09/02/12 00:05 |
| Arsenic | < 1 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Barium | < .25 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Cadmium | < .25 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Chromium | < .5 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Copper | < 1 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Lead | < .25 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Nickel | < 1 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Selenium | < 1 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Silver | < .5 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Zinc | < 1.5 | mg/kg | | | WG610659 | 09/03/12 12:42 |
| Mercury | < .02 | mg/kg | | | WG610635 | 09/04/12 09:52 |
| Chromium,Hexavalent | < 2 | mg/kg | | | WG610946 | 09/07/12 10:08 |
| Specific Conductance | 2.70 | umhos/cm | | | WG611147 | 09/07/12 15:21 |
| Acenaphthene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Anthracene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Benzo(a)anthracene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Benzo(a)pyrene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Benzo(b)fluoranthene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Benzo(k)fluoranthene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Chrysene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Dibenz(a,h)anthracene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Fluoranthene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Fluorene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Indeno(1,2,3-cd)pyrene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Naphthalene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| Pyrene | < .006 | mg/kg | | | WG610736 | 09/07/12 09:58 |
| 2-Fluorobiphenyl | | % Rec. | 86.03 | 34-129 | WG610736 | 09/07/12 09:58 |
| Nitrobenzene-d5 | | % Rec. | 90.95 | 14-141 | WG610736 | 09/07/12 09:58 |
| p-Terphenyl-d14 | | % Rec. | 100.1 | 25-139 | WG610736 | 09/07/12 09:58 |
| TPH (GC/FID) High Fraction | < 4 | ppm | | | WG610734 | 09/10/12 12:27 |
| o-Terphenyl | | % Rec. | 72.57 | 50-150 | WG610734 | 09/10/12 12:27 |

| Analyte | Units | Result | Duplicate | | RPD | Limit | Ref Samp | Batch |
|----------|-------|--------|-----------|--|------|-------|------------|----------|
| | | | Duplicate | | | | | |
| Arsenic | mg/kg | 0 | 0 | | 0 | 20 | L592683-02 | WG610659 |
| Barium | mg/kg | 100. | 99.0 | | 2.99 | 20 | L592683-02 | WG610659 |
| Cadmium | mg/kg | 0 | 0 | | 0 | 20 | L592683-02 | WG610659 |
| Chromium | mg/kg | 5.60 | 5.90 | | 5.57 | 20 | L592683-02 | WG610659 |
| Copper | mg/kg | 6.50 | 6.82 | | 4.80 | 20 | L592683-02 | WG610659 |

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

WPX Energy
Karolina Blaney
1058 County Road 215

Parachute, CO 81635

Quality Assurance Report
Level II

L592941

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

September 11, 2012

| Analyte | Units | Result | Duplicate | | RPD | Limit | Ref Samp | Batch |
|----------------------|----------|--------|-----------|-------|-----|-------|------------|----------|
| | | | Duplicate | | | | | |
| Lead | mg/kg | 6.20 | 5.70 | 8.24 | 20 | | L592683-02 | WG610659 |
| Nickel | mg/kg | 6.00 | 6.22 | 3.93 | 20 | | L592683-02 | WG610659 |
| Silver | mg/kg | 0 | 0 | 0 | 20 | | L592683-02 | WG610659 |
| Zinc | mg/kg | 36.0 | 38.2 | 6.49 | 20 | | L592683-02 | WG610659 |
| Selenium | mg/kg | 0 | 0 | 0 | 20 | | L592683-02 | WG610659 |
| Mercury | mg/kg | 0.0230 | 0.0250 | 8.33 | 20 | | L592605-52 | WG610635 |
| pH | su | 7.90 | 7.90 | 0.379 | 1 | | L592833-03 | WG610677 |
| pH | su | 8.00 | 8.00 | 0.623 | 1 | | L592833-04 | WG610677 |
| Chromium,Hexavalent | mg/kg | 5.00 | 5.90 | 15.7 | 20 | | L593003-01 | WG610946 |
| Chromium,Hexavalent | mg/kg | 0 | 0 | 0 | 20 | | L593072-01 | WG610946 |
| ORP | mV | 18.0 | 17.0 | 5.71 | 20 | | L592566-01 | WG611278 |
| ORP | mV | 220. | 220. | 2.30 | 20 | | L593542-03 | WG611278 |
| Specific Conductance | umhos/cm | 2900 | 3000 | 4.08 | 20 | | L592681-01 | WG611147 |
| Specific Conductance | umhos/cm | 200. | 210. | 3.39 | 20 | | L593258-06 | WG611147 |

| Analyte | Units | Laboratory Control Sample | | % Rec | Limit | Batch |
|-----------------------------|-------|---------------------------|--------|-------|-----------|----------|
| | | Known Val | Result | | | |
| Benzene | mg/kg | .05 | 0.0505 | 101. | 76-113 | WG610710 |
| Ethylbenzene | mg/kg | .05 | 0.0539 | 108. | 78-115 | WG610710 |
| Toluene | mg/kg | .05 | 0.0537 | 107. | 76-114 | WG610710 |
| Total Xylene | mg/kg | .15 | 0.160 | 107. | 81-118 | WG610710 |
| a,a,a-Trifluorotoluene(PID) | | | | 100.3 | 54-144 | WG610710 |
| TPH (GC/FID) Low Fraction | mg/kg | 5.5 | 5.68 | 103. | 67-135 | WG610710 |
| a,a,a-Trifluorotoluene(FID) | | | | 101.4 | 59-128 | WG610710 |
| Arsenic | mg/kg | 237 | 227. | 95.8 | 83.1-117 | WG610659 |
| Barium | mg/kg | 252 | 260. | 103. | 84.1-116 | WG610659 |
| Cadmium | mg/kg | 191 | 189. | 99.0 | 83.2-117 | WG610659 |
| Chromium | mg/kg | 128 | 131. | 102. | 81.3-118 | WG610659 |
| Copper | mg/kg | 123 | 125. | 102. | 83.7-116 | WG610659 |
| Lead | mg/kg | 103 | 101. | 98.1 | 83.1-117 | WG610659 |
| Nickel | mg/kg | 118 | 113. | 95.8 | 82-118 | WG610659 |
| Selenium | mg/kg | 110 | 104. | 94.5 | 78.7-122 | WG610659 |
| Silver | mg/kg | 47.3 | 46.1 | 97.5 | 66.2-134 | WG610659 |
| Zinc | mg/kg | 183 | 181. | 98.9 | 82-118 | WG610659 |
| Mercury | mg/kg | 12.4 | 13.0 | 105. | 71.6-128 | WG610635 |
| pH | su | 6.03 | 5.99 | 99.3 | 98-101 | WG610677 |
| Chromium,Hexavalent | mg/kg | 150 | 139. | 92.7 | 50-150 | WG610946 |
| ORP | mV | 228 | 229. | 100. | 95.6-104. | WG611278 |

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

WPX Energy
Karolina Blaney
1058 County Road 215
Parachute, CO 81635

Quality Assurance Report
Level II

L592941

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

September 11, 2012

| Analyte | Units | Laboratory Control | Sample | % Rec | Limit | Batch |
|----------------------------|----------|--------------------|--------|-------|--------|----------|
| | | Known Val | Result | | | |
| Specific Conductance | umhos/cm | 1050 | 1110 | 105. | 85-115 | WG611147 |
| Acenaphthene | mg/kg | .033 | 0.0251 | 76.0 | 52-108 | WG610736 |
| Anthracene | mg/kg | .033 | 0.0280 | 84.8 | 58-120 | WG610736 |
| Benzo(a)anthracene | mg/kg | .033 | 0.0275 | 83.4 | 54-110 | WG610736 |
| Benzo(a)pyrene | mg/kg | .033 | 0.0299 | 90.6 | 56-118 | WG610736 |
| Benzo(b)fluoranthene | mg/kg | .033 | 0.0336 | 102. | 55-114 | WG610736 |
| Benzo(k)fluoranthene | mg/kg | .033 | 0.0286 | 86.8 | 55-122 | WG610736 |
| Chrysene | mg/kg | .033 | 0.0276 | 83.6 | 57-118 | WG610736 |
| Dibenz(a,h)anthracene | mg/kg | .033 | 0.0315 | 95.5 | 53-122 | WG610736 |
| Fluoranthene | mg/kg | .033 | 0.0291 | 88.2 | 58-118 | WG610736 |
| Fluorene | mg/kg | .033 | 0.0272 | 82.4 | 54-109 | WG610736 |
| Indeno(1,2,3-cd)pyrene | mg/kg | .033 | 0.0321 | 97.2 | 51-125 | WG610736 |
| Naphthalene | mg/kg | .033 | 0.0234 | 71.0 | 45-105 | WG610736 |
| Pyrene | mg/kg | .033 | 0.0288 | 87.1 | 53-121 | WG610736 |
| 2-Fluorobiphenyl | | | | 75.87 | 34-129 | WG610736 |
| Nitrobenzene-d5 | | | | 76.52 | 14-141 | WG610736 |
| p-Terphenyl-d14 | | | | 86.37 | 25-139 | WG610736 |
| TPH (GC/FID) High Fraction | ppm | 60 | 51.3 | 85.6 | 50-150 | WG610734 |
| o-Terphenyl | | | | 75.48 | 50-150 | WG610734 |

| Analyte | Units | Laboratory Control | Sample Duplicate | Limit | RPD | Limit | Batch |
|-----------------------------|--------|--------------------|------------------|-----------|-------|-------|----------|
| | | Result | Ref %Rec | | | | |
| Benzene | mg/kg | 0.0510 | 0.0505 102. | 76-113 | 0.910 | 20 | WG610710 |
| Ethylbenzene | mg/kg | 0.0542 | 0.0539 108. | 78-115 | 0.600 | 20 | WG610710 |
| Toluene | mg/kg | 0.0535 | 0.0537 107. | 76-114 | 0.390 | 20 | WG610710 |
| Total Xylene | mg/kg | 0.160 | 0.160 106. | 81-118 | 0.120 | 20 | WG610710 |
| a,a,a-Trifluorotoluene(PID) | | | 99.95 | 54-144 | | | WG610710 |
| TPH (GC/FID) Low Fraction | mg/kg | 5.71 | 5.68 104. | 67-135 | 0.590 | 20 | WG610710 |
| a,a,a-Trifluorotoluene(FID) | | | 101.7 | 59-128 | | | WG610710 |
| pH | su | 6.00 | 5.99 100. | 98-101 | 0.167 | 20 | WG610677 |
| Chromium,Hexavalent | mg/kg | 143. | 139. 95.0 | 50-150 | 2.84 | 20 | WG610946 |
| ORP | mV | 228. | 229. 100. | 95.6-104. | 0.438 | 20 | WG611278 |
| Specific Conductance | umhos/ | 1110 | 1110 105. | 85-115 | 0.181 | 20 | WG611147 |
| Acenaphthene | mg/kg | 0.0253 | 0.0251 77.0 | 52-108 | 1.08 | 22 | WG610736 |
| Anthracene | mg/kg | 0.0304 | 0.0280 92.0 | 58-120 | 8.41 | 20 | WG610736 |
| Benzo(a)anthracene | mg/kg | 0.0296 | 0.0275 90.0 | 54-110 | 7.30 | 22 | WG610736 |
| Benzo(a)pyrene | mg/kg | 0.0313 | 0.0299 95.0 | 56-118 | 4.64 | 21 | WG610736 |
| Benzo(b)fluoranthene | mg/kg | 0.0349 | 0.0336 106. | 55-114 | 3.78 | 20 | WG610736 |
| Benzo(k)fluoranthene | mg/kg | 0.0322 | 0.0286 97.0 | 55-122 | 11.6 | 25 | WG610736 |
| Chrysene | mg/kg | 0.0295 | 0.0276 89.0 | 57-118 | 6.61 | 20 | WG610736 |
| Dibenz(a,h)anthracene | mg/kg | 0.0339 | 0.0315 103. | 53-122 | 7.25 | 20 | WG610736 |
| Fluoranthene | mg/kg | 0.0317 | 0.0291 96.0 | 58-118 | 8.58 | 20 | WG610736 |
| Fluorene | mg/kg | 0.0288 | 0.0272 87.0 | 54-109 | 5.62 | 20 | WG610736 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.0342 | 0.0321 104. | 51-125 | 6.42 | 21 | WG610736 |

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

September 11, 2012

| Analyte | Units | Laboratory Control | | Sample Duplicate | | Limit | RPD | Limit | Batch |
|----------------------------|-------|--------------------|--------|------------------|--|--------|------|-------|----------|
| | | Result | Ref | %Rec | | | | | |
| Naphthalene | mg/kg | 0.0229 | 0.0234 | 69.0 | | 45-105 | 2.32 | 24 | WG610736 |
| Pyrene | mg/kg | 0.0313 | 0.0288 | 95.0 | | 53-121 | 8.37 | 20 | WG610736 |
| 2-Fluorobiphenyl | | | | 79.75 | | 34-129 | | | WG610736 |
| Nitrobenzene-d5 | | | | 77.41 | | 14-141 | | | WG610736 |
| p-Terphenyl-d14 | | | | 94.39 | | 25-139 | | | WG610736 |
| TPH (GC/FID) High Fraction | ppm | 49.0 | 51.3 | 82.0 | | 50-150 | 4.63 | 23 | WG610734 |
| o-Terphenyl | | | | 71.25 | | 50-150 | | | WG610734 |

| Analyte | Units | Matrix Spike | | TV | % Rec | Limit | Ref Samp | Batch |
|-----------------------------|-------|--------------|---------|-----|-------|--------|------------|----------|
| | | MS Res | Ref Res | | | | | |
| Benzene | mg/kg | 0.230 | 0 | .05 | 92.0 | 32-137 | L592943-01 | WG610710 |
| Ethylbenzene | mg/kg | 0.228 | 0 | .05 | 91.3 | 10-150 | L592943-01 | WG610710 |
| Toluene | mg/kg | 0.245 | 0 | .05 | 98.2 | 20-142 | L592943-01 | WG610710 |
| Total Xylene | mg/kg | 0.679 | 0 | .15 | 90.5 | 16-141 | L592943-01 | WG610710 |
| a,a,a-Trifluorotoluene(PID) | | | | | 99.63 | 54-144 | | WG610710 |
| TPH (GC/FID) Low Fraction | mg/kg | 22.0 | 1.10 | 5.5 | 75.9 | 55-109 | L592943-01 | WG610710 |
| a,a,a-Trifluorotoluene(FID) | | | | | 99.93 | 59-128 | | WG610710 |

| | | | | | | | | |
|----------|-------|------|------|----|-------|--------|------------|----------|
| Arsenic | mg/kg | 43.4 | 0 | 50 | 86.8 | 75-125 | L592683-02 | WG610659 |
| Barium | mg/kg | 151. | 99.0 | 50 | 104. | 75-125 | L592683-02 | WG610659 |
| Cadmium | mg/kg | 45.3 | 0 | 50 | 90.6 | 75-125 | L592683-02 | WG610659 |
| Chromium | mg/kg | 53.4 | 5.90 | 50 | 95.0 | 75-125 | L592683-02 | WG610659 |
| Copper | mg/kg | 54.2 | 6.82 | 50 | 94.8 | 75-125 | L592683-02 | WG610659 |
| Lead | mg/kg | 52.0 | 5.70 | 50 | 92.6 | 75-125 | L592683-02 | WG610659 |
| Nickel | mg/kg | 50.1 | 6.22 | 50 | 87.8 | 75-125 | L592683-02 | WG610659 |
| Silver | mg/kg | 44.8 | 0 | 50 | 89.6 | 75-125 | L592683-02 | WG610659 |
| Zinc | mg/kg | 86.0 | 38.2 | 50 | 95.6 | 75-125 | L592683-02 | WG610659 |
| Arsenic | mg/kg | 49.7 | 10.0 | 50 | 79.4 | 75-125 | L592605-41 | WG610659 |
| Barium | mg/kg | 83.4 | 40.0 | 50 | 86.8 | 75-125 | L592605-41 | WG610659 |
| Cadmium | mg/kg | 44.4 | 0 | 50 | 88.8 | 75-125 | L592605-41 | WG610659 |
| Chromium | mg/kg | 55.6 | 9.40 | 50 | 92.4 | 75-125 | L592605-41 | WG610659 |
| Lead | mg/kg | 53.9 | 10.0 | 50 | 87.8 | 75-125 | L592605-41 | WG610659 |
| Silver | mg/kg | 45.2 | 0 | 50 | 90.4 | 75-125 | L592605-41 | WG610659 |
| Selenium | mg/kg | 41.5 | 0 | 10 | 83.0 | 75-125 | L592683-02 | WG610659 |
| Selenium | mg/kg | 40.9 | 0 | 50 | 16.4* | 75-125 | L592605-41 | WG610659 |

| | | | | | | | | |
|---------|-------|-------|--------|-----|------|--------|------------|----------|
| Mercury | mg/kg | 0.272 | 0.0250 | .25 | 98.8 | 80-120 | L592605-52 | WG610635 |
|---------|-------|-------|--------|-----|------|--------|------------|----------|

| | | | | | | | | |
|---------------------|-------|------|---|----|------|--------|------------|----------|
| Chromium,Hexavalent | mg/kg | 17.0 | 0 | 20 | 85.0 | 50-150 | L593072-01 | WG610946 |
|---------------------|-------|------|---|----|------|--------|------------|----------|

| | | | | | | | | |
|------------------------|-------|--------|---|------|------|--------|------------|----------|
| Acenaphthene | mg/kg | 0.0214 | 0 | .033 | 64.7 | 43-133 | L593006-09 | WG610736 |
| Anthracene | mg/kg | 0.0224 | 0 | .033 | 67.9 | 38-153 | L593006-09 | WG610736 |
| Benzo(a)anthracene | mg/kg | 0.0227 | 0 | .033 | 68.7 | 31-142 | L593006-09 | WG610736 |
| Benzo(a)pyrene | mg/kg | 0.0228 | 0 | .033 | 69.2 | 26-152 | L593006-09 | WG610736 |
| Benzo(b)fluoranthene | mg/kg | 0.0238 | 0 | .033 | 72.1 | 10-188 | L593006-09 | WG610736 |
| Benzo(k)fluoranthene | mg/kg | 0.0236 | 0 | .033 | 71.6 | 22-163 | L593006-09 | WG610736 |
| Chrysene | mg/kg | 0.0219 | 0 | .033 | 66.2 | 26-146 | L593006-09 | WG610736 |
| Dibenz(a,h)anthracene | mg/kg | 0.0239 | 0 | .033 | 72.6 | 10-160 | L593006-09 | WG610736 |
| Fluoranthene | mg/kg | 0.0236 | 0 | .033 | 71.4 | 23-160 | L593006-09 | WG610736 |
| Fluorene | mg/kg | 0.0227 | 0 | .033 | 68.9 | 44-143 | L593006-09 | WG610736 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.0239 | 0 | .033 | 72.5 | 10-157 | L593006-09 | WG610736 |
| Naphthalene | mg/kg | 0.0199 | 0 | .033 | 60.3 | 22-156 | L593006-09 | WG610736 |

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Tax I.D. 62-0814289

Est. 1970

September 11, 2012

| Analyte | Units | MS Res | Matrix Spike | | % Rec | Limit | Ref Samp | Batch |
|----------------------------|-------|--------|--------------|------|-------|--------|------------|----------|
| | | | Ref Res | TV | | | | |
| Pyrene | mg/kg | 0.0239 | 0 | .033 | 72.4 | 12-170 | L593006-09 | WG610736 |
| 2-Fluorobiphenyl | | | | | 69.61 | 34-129 | | WG610736 |
| Nitrobenzene-d5 | | | | | 68.51 | 14-141 | | WG610736 |
| p-Terphenyl-d14 | | | | | 74.11 | 25-139 | | WG610736 |
| TPH (GC/FID) High Fraction | ppm | 41.4 | 0 | 60 | 69.0 | 50-150 | L592935-05 | WG610734 |
| o-Terphenyl | | | | | 65.12 | 50-150 | | WG610734 |

| Analyte | Units | MSD | Matrix Spike Duplicate | | Limit | RPD | Limit | Ref Samp | Batch |
|-----------------------------|-------|--------|------------------------|-------|--------|-------|-------|------------|----------|
| | | | Ref | %Rec | | | | | |
| Benzene | mg/kg | 0.240 | 0.230 | 96.1 | 32-137 | 4.42 | 39 | L592943-01 | WG610710 |
| Ethylbenzene | mg/kg | 0.229 | 0.228 | 91.6 | 10-150 | 0.290 | 44 | L592943-01 | WG610710 |
| Toluene | mg/kg | 0.244 | 0.245 | 97.4 | 20-142 | 0.770 | 42 | L592943-01 | WG610710 |
| Total Xylene | mg/kg | 0.672 | 0.679 | 89.6 | 16-141 | 1.03 | 46 | L592943-01 | WG610710 |
| a,a,a-Trifluorotoluene(PID) | | | | 99.61 | 54-144 | | | | WG610710 |
| TPH (GC/FID) Low Fraction | mg/kg | 21.6 | 22.0 | 74.5 | 55-109 | 1.81 | 20 | L592943-01 | WG610710 |
| a,a,a-Trifluorotoluene(FID) | | | | 99.79 | 59-128 | | | | WG610710 |
| Arsenic | mg/kg | 44.3 | 43.4 | 88.6 | 75-125 | 2.05 | 20 | L592683-02 | WG610659 |
| Barium | mg/kg | 145. | 151. | 92.0 | 75-125 | 4.05 | 20 | L592683-02 | WG610659 |
| Cadmium | mg/kg | 46.9 | 45.3 | 93.8 | 75-125 | 3.47 | 20 | L592683-02 | WG610659 |
| Chromium | mg/kg | 53.6 | 53.4 | 95.4 | 75-125 | 0.374 | 20 | L592683-02 | WG610659 |
| Copper | mg/kg | 55.0 | 54.2 | 96.4 | 75-125 | 1.47 | 20 | L592683-02 | WG610659 |
| Lead | mg/kg | 52.6 | 52.0 | 93.8 | 75-125 | 1.15 | 20 | L592683-02 | WG610659 |
| Nickel | mg/kg | 50.5 | 50.1 | 88.6 | 75-125 | 0.795 | 20 | L592683-02 | WG610659 |
| Silver | mg/kg | 46.1 | 44.8 | 92.2 | 75-125 | 2.86 | 20 | L592683-02 | WG610659 |
| Zinc | mg/kg | 85.4 | 86.0 | 94.4 | 75-125 | 0.700 | 20 | L592683-02 | WG610659 |
| Arsenic | mg/kg | 50.1 | 49.7 | 80.2 | 75-125 | 0.802 | 20 | L592605-41 | WG610659 |
| Barium | mg/kg | 82.1 | 83.4 | 84.2 | 75-125 | 1.57 | 20 | L592605-41 | WG610659 |
| Cadmium | mg/kg | 44.8 | 44.4 | 89.6 | 75-125 | 0.897 | 20 | L592605-41 | WG610659 |
| Chromium | mg/kg | 56.8 | 55.6 | 94.8 | 75-125 | 2.14 | 20 | L592605-41 | WG610659 |
| Lead | mg/kg | 54.4 | 53.9 | 88.8 | 75-125 | 0.923 | 20 | L592605-41 | WG610659 |
| Silver | mg/kg | 45.8 | 45.2 | 91.6 | 75-125 | 1.32 | 20 | L592605-41 | WG610659 |
| Selenium | mg/kg | 43.2 | 41.5 | 86.4 | 75-125 | 4.01 | 20 | L592683-02 | WG610659 |
| Selenium | mg/kg | 42.2 | 40.9 | 16.9* | 75-125 | 3.13 | 20 | L592605-41 | WG610659 |
| Mercury | mg/kg | 0.260 | 0.272 | 94.0 | 80-120 | 4.51 | 20 | L592605-52 | WG610635 |
| Chromium,Hexavalent | mg/kg | 16.7 | 17.0 | 83.5 | 50-150 | 1.78 | 20 | L593072-01 | WG610946 |
| Acenaphthene | mg/kg | 0.0246 | 0.0214 | 74.6 | 43-133 | 14.2 | 26 | L593006-09 | WG610736 |
| Anthracene | mg/kg | 0.0261 | 0.0224 | 79.0 | 38-153 | 15.2 | 27 | L593006-09 | WG610736 |
| Benzo(a)anthracene | mg/kg | 0.0259 | 0.0227 | 78.6 | 31-142 | 13.5 | 31 | L593006-09 | WG610736 |
| Benzo(a)pyrene | mg/kg | 0.0257 | 0.0228 | 78.0 | 26-152 | 11.9 | 32 | L593006-09 | WG610736 |
| Benzo(b)fluoranthene | mg/kg | 0.0260 | 0.0238 | 78.8 | 10-188 | 8.90 | 33 | L593006-09 | WG610736 |
| Benzo(k)fluoranthene | mg/kg | 0.0280 | 0.0236 | 84.8 | 22-163 | 16.8 | 29 | L593006-09 | WG610736 |
| Chrysene | mg/kg | 0.0259 | 0.0219 | 78.5 | 26-146 | 17.0 | 30 | L593006-09 | WG610736 |
| Dibenz(a,h)anthracene | mg/kg | 0.0262 | 0.0239 | 79.3 | 10-160 | 8.90 | 39 | L593006-09 | WG610736 |
| Fluoranthene | mg/kg | 0.0272 | 0.0236 | 82.3 | 23-160 | 14.1 | 22 | L593006-09 | WG610736 |
| Fluorene | mg/kg | 0.0269 | 0.0227 | 81.4 | 44-143 | 16.6 | 23 | L593006-09 | WG610736 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.0265 | 0.0239 | 80.3 | 10-157 | 10.2 | 40 | L593006-09 | WG610736 |
| Naphthalene | mg/kg | 0.0236 | 0.0199 | 71.4 | 22-156 | 16.9 | 27 | L593006-09 | WG610736 |
| Pyrene | mg/kg | 0.0277 | 0.0239 | 83.9 | 12-170 | 14.7 | 24 | L593006-09 | WG610736 |

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Tax I.D. 62-0814289

Est. 1970

September 11, 2012

| Analyte | Units | MSD | Matrix Spike Duplicate | | Limit | RPD | Limit | Ref | Samp | Batch |
|----------------------------|-------|------|------------------------|-------|--------|------|-------|------------|------|----------|
| | | | Ref | %Rec | | | | | | |
| 2-Fluorobiphenyl | | | | 82.15 | 34-129 | | | | | |
| Nitrobenzene-d5 | | | | 83.57 | 14-141 | | | | | |
| p-Terphenyl-d14 | | | | 89.94 | 25-139 | | | | | |
| TPH (GC/FID) High Fraction | ppm | 42.6 | 41.4 | 71.0 | 50-150 | 2.86 | 40 | L592935-05 | | WG610734 |
| o-Terphenyl | | | | 68.01 | 50-150 | | | | | WG610734 |

Batch number /Run number / Sample number cross reference

WG610710: R2327234: L592941-01
WG610659: R2328016: L592941-02
WG610635: R2329254: L592941-02
WG610677: R2329833: L592941-02
WG610790: R2331396: L592941-02
WG610946: R2333333: L592941-02
WG611278: R2334094: L592941-02
WG611147: R2334533: L592941-02
WG610736: R2334733: L592941-01
WG610734: R2337457: L592941-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
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September 11, 2012

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Technical Report for

Williams Production RMT Company

KP 24-8 Backgrounds

Accutest Job Number: T65625

Sampling Date: 12/17/10

Report to:

**Williams Production RMT Company
1058 County Road 215
Parachute, CO 81635
karolina.blaney@williams.com**

ATTN: Karolina Blaney

Total number of pages in report: 19



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

Paul K Canevaro

**Paul Canevaro
Laboratory Director**

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-10-3) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004)
OK (9103)

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Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary 3

Section 2: Sample Results 4

2.1: T65625-1: KP 24-8-B-1 5

2.2: T65625-2: KP 24-8-B-2 6

2.3: T65625-3: KP 24-8-B-3 7

2.4: T65625-4: KP 24-8-B-4 8

2.5: T65625-5: KP 24-8-B-5 9

Section 3: Misc. Forms 10

3.1: Chain of Custody 11

Section 4: Metals Analysis - QC Data Summaries 14

4.1: Prep QC MP13616: As 15



Sample Summary

Williams Production RMT Company
KP 24-8 Backgrounds

Job No: T65625

| Sample Number | Collected Date | Time By | Received | Matrix Code | Type | Client Sample ID |
|---------------|----------------|---------|----------|-------------|------|------------------|
| T65625-1 | 12/17/10 | 10:50 | 12/18/10 | SO | Soil | KP 24-8-B-1 |
| T65625-2 | 12/17/10 | 10:55 | 12/18/10 | SO | Soil | KP 24-8-B-2 |
| T65625-3 | 12/17/10 | 11:00 | 12/18/10 | SO | Soil | KP 24-8-B-3 |
| T65625-4 | 12/17/10 | 11:05 | 12/18/10 | SO | Soil | KP 24-8-B-4 |
| T65625-5 | 12/17/10 | 11:10 | 12/18/10 | SO | Soil | KP 24-8-B-5 |

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

Sample Results

Report of Analysis

Report of Analysis

| | | | |
|--------------------------|---------------------|------------------------|----------|
| Client Sample ID: | KP 24-8-B-1 | Date Sampled: | 12/17/10 |
| Lab Sample ID: | T65625-1 | Date Received: | 12/18/10 |
| Matrix: | SO - Soil | Percent Solids: | 82.9 |
| Project: | KP 24-8 Backgrounds | | |

Metals Analysis

| Analyte | Result | RL | MDL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|---------|--------|------|------|-------|----|----------|-------------|--------------------------|--------------------------|
| Arsenic | 5.5 | 0.64 | 0.13 | mg/kg | 1 | 12/22/10 | 12/30/10 NS | SW846 6010B ¹ | SW846 3050B ² |

(1) Instrument QC Batch: MA5358
(2) Prep QC Batch: MP13616

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

| | | | |
|--------------------------|---------------------|------------------------|----------|
| Client Sample ID: | KP 24-8-B-2 | Date Sampled: | 12/17/10 |
| Lab Sample ID: | T65625-2 | Date Received: | 12/18/10 |
| Matrix: | SO - Soil | Percent Solids: | 84.1 |
| Project: | KP 24-8 Backgrounds | | |

Metals Analysis

| Analyte | Result | RL | MDL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|---------|--------|------|------|-------|----|----------|-------------|--------------------------|--------------------------|
| Arsenic | 6.2 | 0.64 | 0.13 | mg/kg | 1 | 12/22/10 | 12/30/10 NS | SW846 6010B ¹ | SW846 3050B ² |

(1) Instrument QC Batch: MA5358
(2) Prep QC Batch: MP13616

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

| | | | |
|--------------------------|---------------------|------------------------|----------|
| Client Sample ID: | KP 24-8-B-3 | Date Sampled: | 12/17/10 |
| Lab Sample ID: | T65625-3 | Date Received: | 12/18/10 |
| Matrix: | SO - Soil | Percent Solids: | 81.4 |
| Project: | KP 24-8 Backgrounds | | |

Metals Analysis

| Analyte | Result | RL | MDL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|---------|--------|------|------|-------|----|----------|-------------|--------------------------|--------------------------|
| Arsenic | 5.9 | 0.76 | 0.15 | mg/kg | 1 | 12/22/10 | 12/30/10 NS | SW846 6010B ¹ | SW846 3050B ² |

(1) Instrument QC Batch: MA5358
(2) Prep QC Batch: MP13616

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

| | | | |
|--------------------------|---------------------|------------------------|----------|
| Client Sample ID: | KP 24-8-B-4 | Date Sampled: | 12/17/10 |
| Lab Sample ID: | T65625-4 | Date Received: | 12/18/10 |
| Matrix: | SO - Soil | Percent Solids: | 81.6 |
| Project: | KP 24-8 Backgrounds | | |

Metals Analysis

| Analyte | Result | RL | MDL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|---------|--------|------|------|-------|----|----------|-------------|--------------------------|--------------------------|
| Arsenic | 5.8 | 0.70 | 0.14 | mg/kg | 1 | 12/22/10 | 12/30/10 NS | SW846 6010B ¹ | SW846 3050B ² |

(1) Instrument QC Batch: MA5358
(2) Prep QC Batch: MP13616

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

| | | | |
|--------------------------|---------------------|------------------------|----------|
| Client Sample ID: | KP 24-8-B-5 | Date Sampled: | 12/17/10 |
| Lab Sample ID: | T65625-5 | Date Received: | 12/18/10 |
| Matrix: | SO - Soil | Percent Solids: | 82.6 |
| Project: | KP 24-8 Backgrounds | | |

Metals Analysis

| Analyte | Result | RL | MDL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|---------|--------|------|------|-------|----|----------|-------------|--------------------------|--------------------------|
| Arsenic | 5.6 | 0.73 | 0.15 | mg/kg | 1 | 12/22/10 | 12/30/10 NS | SW846 6010B ¹ | SW846 3050B ² |

(1) Instrument QC Batch: MA5358
(2) Prep QC Batch: MP13616

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

10165 Harwin Dr, Ste 150 Houston, TX 77036
TEL: 713-271-4700 FAX: 713-271-4770
www.accutest.com

| | |
|-------------------|------------------------------|
| FED-EX Tracking # | Bottle Order Control # |
| Accutest Quote # | Accutest Job # T65625 |

| Client / Reporting Information | Project Information | Requested Analyses | Matrix Codes |
|--|--|--------------------|--|
| any Name Williams Production Address 158 City Rd 215 State Colorado Zip 81635 Contact relina.blaney@williams.com Phone # 683 2295 / 970 285 9573 Email FM | Project Name: KP 24-8 Backgrounds Street City State Billing Information (if different from Report to) Company Name Street Address City State Zip Project # Client Purchase Order # Project Manager Karolina Blaney | Arsenic | DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank |

| Field ID / Point of Collection | Date | Time | Sampled By | Matrix | # of bottles | HCl | NH ₄ OH | ZnAcOH | HNO ₃ | H ₂ SO ₄ | H ₂ O ₂ | DI Water | MECH | NH ₄ SCN | ENCODE | OTHER | LAB USE ONLY |
|--------------------------------|----------|----------|------------|--------|--------------|-----|--------------------|--------|------------------|--------------------------------|-------------------------------|----------|------|---------------------|--------|-------|--------------|
| 1 KP 24-8-B-1 | 12-17-10 | 10:50 AM | FM | SO | 1 | | | | | | | | | | | | X |
| 2 KP 24-8-B-2 | 12-17-10 | 10:55 AM | FM | SO | 1 | | | | | | | | | | | | X |
| 3 KP 24-8-B-3 | 12-17-10 | 11:00 AM | FM | SO | 1 | | | | | | | | | | | | X |
| 4 KP 24-8-B-4 | 12-17-10 | 11:05 AM | FM | SO | 1 | | | | | | | | | | | | X |
| 5 KP 24-8-B-5 | 12-17-10 | 11:10 AM | FM | SO | 1 | | | | | | | | | | | | X |

| Turnaround Time (Business days) | Data Deliverable Information | Comments / Special Instructions |
|---|---|---------------------------------|
| <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink | Approved By (Accutest PM): / Date: <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULLT (Level 3+4) <input type="checkbox"/> REDT1 (Level 3+4) <input type="checkbox"/> Commercial "C" <input type="checkbox"/> TRRP <input type="checkbox"/> EDD Format <input type="checkbox"/> Other | |

| Sample Custody must be documented below each time samples change possession, including courier delivery. | | | |
|--|---|---|---|
| Released by Sampler: Ferrando Mancinas Date Time: 12-17-10 | Received By: 1 Date Time: 12/18/10 12:45 | Relinquished By: 2 Date Time: 12/18/10 12:45 | Received By: 2 Date Time: 12/18/10 12:45 |
| Released by Sampler: FedEx Date Time: 12/18/10 12:45 | Received By: 3 Date Time: 12/18/10 12:45 | Relinquished By: 4 Date Time: 12/18/10 12:45 | Received By: 4 Date Time: 12/18/10 12:45 |

Custody Seal # ☐ Intact ☐ Not Intact Preserved where applicable ☐ On Ice ☒ Cooler Temp. **2.6°C**

T65625: Chain of Custody

Page 1 of 3

SAMPLE INSPECTION FORM

Accutest Job Number: T65625 Client: Williams Production Date/Time Received: 12/18/10 1245

of Coolers Received: 1 Thermometer #: IR Gun 04 Temperature Adjustment Factor: 0

Cooler Temperatures (initial/adjusted): #1: 2.6°C #2: _____ #3: _____ #4: _____ #5: _____

#6: _____ #7: _____ #8: _____ #9: _____ #10: _____ #11: _____ #12: _____

Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other

COOLER INFORMATION

- ☐ Custody seal missing or not intact
- ☐ Temperature criteria not met
- ☐ Wet ice received in cooler

CHAIN OF CUSTODY

- ☐ Chain of Custody not received
- ☐ Sample D/T unclear or missing
- ☐ Analyses unclear or missing
- ☐ COC not properly executed

SAMPLE INFORMATION

- ☐ Sample containers received broken
- ☐ VOC vials have headspace
- ☐ Sample labels missing or illegible
- ☐ ID on COC does not match label(s)
- ☐ D/T on COC does not match label(s)
- ☐ Sample/Bottles rcvd but no analysis on COC
- ☐ Sample listed on COC, but not received
- ☐ Bottles missing for requested analysis
- ☐ Insufficient volume for analysis
- ☐ Sample received improperly preserved

TRIP BLANK INFORMATION

- ☐ Trip Blank on COC but not received
- ☐ Trip Blank received but not on COC
- ☐ Trip Blank not intact
- ☐ Received Water Trip Blank
- ☐ Received Soil TB

Number of Encores? _____
Number of 5035 kits? _____
Number of lab-filtered metals? _____

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: Daniel Huellett 12/18/10

INFORMATION AND SAMPLE LABELING VERIFIED BY: CC 12-18-10

CORRECTIVE ACTIONS

Client Representative Notified: _____

Date: _____

By Accutest Representative: _____

Via: Phone Email

Client Instructions:

i:\mwalker\form\samplemanagement SM023 Revised 8/11/10

T65625: Chain of Custody

Page 2 of 3

SAMPLE RECEIPT LOG

JOB #: T65625 DATE/TIME RECEIVED: 12/18/10 1245
 CLIENT: Williams Production INITIALS: DRA

| COOLER# | SAMPLE ID | FIELD ID | DATE | MATRIX | VOL | BOTTLE # | LOCATION | PRESERV | PH | |
|------------------------------------|-----------|------------|---------------|--------|-----|----------|----------|--------------------|--------------------|--------|
| 1 | 1 | KP24-8- B1 | 12-17-10 1050 | Soil | 4oz | 1 | 2-37 | ① 2 3 4 5 6 7 8 | <2 >12 | |
| ↓ | 2 | -B-2 | ↓ 1055 | ↓ | ↓ | ↓ | ↓ | ① 2 3 4 5 6 7 8 | <2 >12 | |
| ↓ | 3 | -B-3 | ↓ 1100 | ↓ | ↓ | ↓ | ↓ | ① 2 3 4 5 6 7 8 | <2 >12 | |
| ↓ | 4 | -B-4 | ↓ 1105 | ↓ | ↓ | ↓ | ↓ | ① 2 3 4 5 6 7 8 | <2 >12 | |
| ↓ | 5 | -B-5 | ↓ 1105 | ↓ | ↓ | ↓ | ↓ | ① 2 3 4 5 6 7 8 | <2 >12 | |
| <div>DRA</div> <div>12/18/10</div> | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |
| | | | | | | | | | 1 2 3 4 5 6 7 8 | <2 >12 |

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other
 LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer
 Rev 8/13/01 ewp

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T65625
Account: WPRMTCOP - Williams Production RMT Company
Project: KP 24-8 Backgrounds

QC Batch ID: MP13616
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/22/10

| Metal | RL | IDL | MDL | MB raw | final |
|------------|------|-------|------|-----------|-------|
| Aluminum | 10 | .82 | 2.2 | | |
| Antimony | 0.50 | .11 | .14 | | |
| Arsenic | 0.50 | .089 | .1 | 0.013 | <0.50 |
| Barium | 10 | .007 | .03 | | |
| Beryllium | 0.25 | .0055 | .01 | | |
| Boron | 5.0 | .054 | .11 | | |
| Cadmium | 0.25 | .013 | .05 | | |
| Calcium | 250 | .27 | .86 | | |
| Chromium | 0.50 | .055 | .035 | | |
| Cobalt | 2.5 | .025 | .09 | | |
| Copper | 1.3 | .029 | .065 | | |
| Iron | 5.0 | .65 | 1.1 | | |
| Lead | 0.50 | .079 | .2 | | |
| Magnesium | 250 | .34 | .58 | | |
| Manganese | 0.75 | .01 | .035 | | |
| Molybdenum | 0.50 | .048 | .075 | | |
| Nickel | 2.0 | .048 | .065 | | |
| Potassium | 250 | 2.7 | 16 | | |
| Selenium | 0.50 | .16 | .12 | | |
| Silver | 0.50 | .043 | .04 | | |
| Sodium | 250 | 6.5 | 13 | | |
| Strontium | 1.0 | .0085 | .025 | | |
| Thallium | 0.50 | .16 | .25 | | |
| Tin | 1.0 | .09 | .12 | | |
| Titanium | 1.0 | .015 | .045 | | |
| Vanadium | 2.5 | .03 | .06 | | |
| Zinc | 1.0 | .025 | .2 | | |

Associated samples MP13616: T65625-1, T65625-2, T65625-3, T65625-4, T65625-5

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T65625
 Account: WPRMTCOP - Williams Production RMT Company
 Project: KP 24-8 Backgrounds

QC Batch ID: MP13616
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/22/10 12/22/10

| Metal | T65429-3 Original | DUP | RPD | QC Limits | T65429-3 Original MS | Spikelot MPTW4 | % Rec | QC Limits |
|------------|----------------------|-----|-----|--------------|-------------------------|-------------------|-------|--------------|
| Aluminum | | | | | | | | |
| Antimony | | | | | | | | |
| Arsenic | 2.4 | 2.4 | 0.0 | 0-20 | 2.4 | 23.4 | 22.1 | 95.0 80-120 |
| Barium | anr | | | | | | | |
| Beryllium | | | | | | | | |
| Boron | | | | | | | | |
| Cadmium | anr | | | | | | | |
| Calcium | | | | | | | | |
| Chromium | anr | | | | | | | |
| Cobalt | | | | | | | | |
| Copper | anr | | | | | | | |
| Iron | | | | | | | | |
| Lead | anr | | | | | | | |
| Magnesium | | | | | | | | |
| Manganese | | | | | | | | |
| Molybdenum | anr | | | | | | | |
| Nickel | anr | | | | | | | |
| Potassium | anr | | | | | | | |
| Selenium | anr | | | | | | | |
| Silver | anr | | | | | | | |
| Sodium | | | | | | | | |
| Strontium | | | | | | | | |
| Thallium | | | | | | | | |
| Tin | | | | | | | | |
| Titanium | | | | | | | | |
| Vanadium | | | | | | | | |
| Zinc | anr | | | | | | | |

Associated samples MP13616: T65625-1, T65625-2, T65625-3, T65625-4, T65625-5

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T65625
 Account: WPRMTCOP - Williams Production RMT Company
 Project: KP 24-8 Backgrounds

QC Batch ID: MP13616
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/22/10

| Metal | T65429-3 Original | MSD | Spikelot MPTW4 | % Rec | MSD RPD | QC Limit |
|------------|----------------------|------|-------------------|-------|------------|-------------|
| Aluminum | | | | | | |
| Antimony | | | | | | |
| Arsenic | 2.4 | 24.0 | 22.2 | 97.4 | 2.5 | 20 |
| Barium | anr | | | | | |
| Beryllium | | | | | | |
| Boron | | | | | | |
| Cadmium | anr | | | | | |
| Calcium | | | | | | |
| Chromium | anr | | | | | |
| Cobalt | | | | | | |
| Copper | anr | | | | | |
| Iron | | | | | | |
| Lead | anr | | | | | |
| Magnesium | | | | | | |
| Manganese | | | | | | |
| Molybdenum | anr | | | | | |
| Nickel | anr | | | | | |
| Potassium | anr | | | | | |
| Selenium | anr | | | | | |
| Silver | anr | | | | | |
| Sodium | | | | | | |
| Strontium | | | | | | |
| Thallium | | | | | | |
| Tin | | | | | | |
| Titanium | | | | | | |
| Vanadium | | | | | | |
| Zinc | anr | | | | | |

Associated samples MP13616: T65625-1, T65625-2, T65625-3, T65625-4, T65625-5

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T65625
Account: WPRMTCOP - Williams Production RMT Company
Project: KP 24-8 Backgrounds

QC Batch ID: MP13616
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/22/10

| Metal | LCS Result | Spikelot MPLCD054 | % Rec | QC Limits |
|------------|---------------|----------------------|-------|--------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | 141 | 158 | 89.2 | 82-118 |
| Barium | anr | | | |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | anr | | | |
| Calcium | | | | |
| Chromium | anr | | | |
| Cobalt | | | | |
| Copper | anr | | | |
| Iron | | | | |
| Lead | anr | | | |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | anr | | | |
| Nickel | anr | | | |
| Potassium | anr | | | |
| Selenium | anr | | | |
| Silver | anr | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Vanadium | | | | |
| Zinc | anr | | | |

Associated samples MP13616: T65625-1, T65625-2, T65625-3, T65625-4, T65625-5

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: T65625
 Account: WPRMTCOP - Williams Production RMT Company
 Project: KP 24-8 Backgrounds

QC Batch ID: MP13616
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/22/10

| Metal | T65429-3 Original | SDL 1:5 | %DIF | QC Limits |
|------------|----------------------|---------|------|--------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | 43.0 | 42.5 | 1.1 | 0-10 |
| Barium | anr | | | |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | anr | | | |
| Calcium | | | | |
| Chromium | anr | | | |
| Cobalt | | | | |
| Copper | anr | | | |
| Iron | | | | |
| Lead | anr | | | |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | anr | | | |
| Nickel | anr | | | |
| Potassium | anr | | | |
| Selenium | anr | | | |
| Silver | anr | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Vanadium | | | | |
| Zinc | anr | | | |

Associated samples MP13616: T65625-1, T65625-2, T65625-3, T65625-4, T65625-5

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested