Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| What is the shallowest depth to groundwater beneath the area affected by the release? | 180(ft bgs) |
|---|-----------------------|
| Did this release impact groundwater or surface water? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ⊠ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ⊠ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ⊠ No |
| Did the release impact areas not on an exploration, development, production, or storage site? | ☐ Yes ⊠ No |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | tical extents of soil |
| Characterization Report Checklist: Each of the following items must be included in the report. | |
| Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well. Field data | ls. |
| Field data Data table of soil contaminant concentration data Depth to water determination | |
| Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release | |

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

Received by OCD: 3/21/2023 10:58:59 AM Form C-141 State of New Mexico Page 2 Oil Conservation Division

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| Incident ID | NAB1513157754 |
|----------------|---------------|
| District RP | 2RP-2998 |
| Facility ID | |
| Application ID | |

| best of my knowledge and understand that pursuant to OCD rules and iffications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws |
|---|
| Title: EHS Consultant |
| Date: 1/3/2023 |
| |
| Date:03/21/2023 |
| |
| |

Page 3 of 102

| Incident ID | NAB1513157754 |
|----------------|---------------|
| District RP | 2RP-2998 |
| Facility ID | |
| Application ID | |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

| Closure Report Attachment Checklist: Each of the following item | ms must be included in the closure report. |
|--|--|
| | NMAC |
| Photographs of the remediated site prior to backfill or photos or must be notified 2 days prior to liner inspection) | f the liner integrity if applicable (Note: appropriate OCD District office |
| ☐ Laboratory analyses of final sampling (Note: appropriate ODC l | District office must be notified 2 days prior to final sampling) |
| □ Description of remediation activities | |
| | |
| | cdiate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ons. The responsible party acknowledges they must substantially litions that existed prior to the release or their final land use in |
| Printed Name: Dale Woodall | _ _{Title:} EHS Consultant |
| Signature: Dals Woodall | _ _{Date:} 1/3/2023 |
| _{email:} dale.woodall@dvn.com | _Telephone: 575-748-1848 |
| OCD Only | |
| Received by: | Date:03/21/2023 |
| | f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations. |
| Closure Approved by: Julian Hall | Date: 4/10/2023 |
| Printed Name: Brittany Hall | Title: Environmental Specialist |



575-964-7740

December 6, 2022

Bureau of Land Management 620 East Green St Carlsbad, NM, 88220

NMOCD District 2 811 S. First St Artesia, NM, 88210

RE: Site Assessment and Closure Report

Arcturus 18 Federal #005H API No. 30-015-41802

GPS: Latitude 32.6653332 Longitude -103.9008789

UL-A, Section 18, Township 19S, Range 31E NMOCD Reference No. NAB1513157754

Devon Energy Production Company (Devon) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment and prepare this closure report for a crude oil/produced water mixed release that happened at the Arcturus 18 Federal #005H (Arcturus). An initial C-141 was submitted on May 11, 2015, and can be found in Appendix C. This incident was assigned Incident ID NAB1513157754, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Arcturus is located approximately twelve (12) miles South of Loco Hills, NM. This spill site is in Unit A, Section 18, Township 19S, Range 31E, Latitude 32.6653332 Longitude -103.9008789, Eddy County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian and piedmont deposits-Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino loamy fine sand, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a medium potential for karst geology to be present around the Arcturus (Figure 3).

Based upon New Mexico Office of the State Engineer well water data, depth to the nearest groundwater in this area is 180 feet below -grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 204 feet BGS. See Appendix A for referenced water surveys.

| Table 1 NMAC and Closure Criteria 19.15.29 | | | | | | | | | | | |
|--|--------------------------------|---------------------|------------------|----------|----------|--|--|--|--|--|--|
| Depth to Groundwater | | Cons | tituent & Limits | | | | | | | | |
| Depth to Groundwater | Chlorides | Total TPH | GRO+DRO | BTEX | Benzene | | | | | | |
| <50′ | 600 mg/kg | 600 mg/kg 100 mg/kg | | 50 mg/kg | 10 mg/kg | | | | | | |
| 51-100' (C 01907 POD1) | 0' (C 01907 POD1) 10,000 mg/kg | | 1,000 mg/kg | 50 mg/kg | 10 mg/kg | | | | | | |
| >100′ | 20,000 mg/kg | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg | | | | | | |

A Topographic Map can be found in Figure 2.

Release Information

<u>NAB1513157754</u>: On May 6, 2015, the Lease Operator was contacted and told that the Arcturus 18 Fed 5H was leaking from the wellhead. Upon Lease Operator's arrival to the location, he discovered a H.F. back pressure valve had washed out releasing 20 bbls of oil and produced water mix onto location. The affected area was 48x85 with all fluids contained on location. Legendary Trucking recovered all 20 bbls of oil and produced water mix and the contaminated dirt will be removed from location and replaced with fresh dirt.

Site Assessment and Soil Sampling Results

On August 31, 2020, Pima Environmental conducted a site assessment and obtained soil samples. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

8-31-20 Soil Sample Results

| 8-31-20 Soil Sample Results NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100') | | | | | | | | | | | | |
|---|-------|-------|--------------------------------|-------|-------|-------|-----------|-------|--|--|--|--|
| | | | von Energy | | | | | , | | | | |
| Date 8-31-20 | | | NM Approved Laboratory Results | | | | | | | | | |
| | Depth | BTEX | Benzene | GRO | DRO | MRO | Total TPH | Cl | | | | |
| Sample ID | (BGS) | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | | | | |
| S1 | 0-6" | ND | ND | ND | ND | ND | 0 | 48 | | | | |
| | 0-6" | ND | ND | ND | ND | ND | ND | 112 | | | | |
| S 2 | 1' | ND | ND | ND | ND | ND | ND | 48 | | | | |
| 32 | 2' | ND | ND | ND | ND | ND | 0 | 32 | | | | |
| | 3' | ND | ND | ND | ND | ND | 0 | 32 | | | | |
| | 0-6" | ND | ND | ND | 164 | 297 | 461 | 112 | | | | |
| \$3 | 1' | ND | ND | ND | 25 | ND | 25 | 32 | | | | |
| 33 | 2' | ND | ND | ND | ND | ND | 0 | ND | | | | |
| | 3' | ND | ND | ND | ND | ND | 0 | 32 | | | | |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 48 | | | | |
| S4 | 1' | ND | ND | ND | ND | ND | 0 | 48 | | | | |
| 34 | 2' | ND | ND | ND | ND | ND | 0 | 48 | | | | |
| | 3' | ND | ND | ND | ND | ND | 0 | 64 | | | | |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 240 | | | | |
| S5 | 1' | ND | ND | ND | ND | ND | 0 | 48 | | | | |
| 33 | 2' | ND | ND | ND | ND | ND | 0 | 48 | | | | |
| | 3' | ND | ND | ND | ND | ND | 0 | 48 | | | | |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 2360 | | | | |
| S6 | 1' | ND | ND | ND | ND | ND | 0 | 144 | | | | |
| 30 | 2' | ND | ND | ND | ND | ND | 0 | 112 | | | | |
| | 3' | ND | ND | ND | ND | ND | 0 | 80 | | | | |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 208 | | | | |
| S7 | 1' | ND | ND | ND | ND | ND | 0 | 64 | | | | |
| | 2' | ND | ND | ND | ND | ND | 0 | 32 | | | | |
| | 3' | ND | ND | ND | ND | ND | 0 | 32 | | | | |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 96 | | | | |
| S8 | 1' | ND | ND | ND | ND | ND | 0 | 16 | | | | |
| | 2' | ND | ND | ND | ND | ND | 0 | 16 | | | | |
| | 3' | ND | ND | ND | ND | ND | 0 | ND | | | | |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 144 | | | | |
| S9 | 1' | ND | ND | ND | ND | ND | 0 | 64 | | | | |
| | 2' | ND | ND | ND | ND | ND | 0 | 32 | | | | |
| | 3' | ND | ND | ND | ND | ND | 0 | 64 | | | | |

| | 0-6" | ND | ND | ND | ND | ND | 0 | 6560 |
|-----|------|----|----|----|------|----|------|------|
| C10 | 1' | ND | ND | ND | ND | ND | 0 | 416 |
| S10 | 2' | ND | ND | ND | ND | ND | 0 | 256 |
| | 3' | ND | ND | ND | ND | ND | 0 | 128 |
| | 0-6" | ND | ND | ND | 31.8 | ND | 31.8 | 432 |
| S11 | 1' | ND | ND | ND | ND | ND | 0 | 112 |
| 311 | 2' | ND | ND | ND | ND | ND | 0 | 80 |
| | 3' | ND | ND | ND | ND | ND | 0 | 96 |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 192 |
| S12 | 1' | ND | ND | ND | ND | ND | 0 | 48 |
| 312 | 2' | ND | ND | ND | ND | ND | 0 | 64 |
| | 3' | ND | ND | ND | ND | ND | 0 | 64 |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 80 |
| S13 | 1' | ND | ND | ND | ND | ND | 0 | 48 |
| 313 | 2' | ND | ND | ND | ND | ND | 0 | 32 |
| | 3' | ND | ND | ND | ND | ND | 0 | 48 |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 96 |
| S14 | 1' | ND | ND | ND | ND | ND | 0 | 112 |
| 314 | 2' | ND | ND | ND | ND | ND | 0 | 160 |
| | 3' | ND | ND | ND | ND | ND | 0 | 160 |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 32 |
| S15 | 1' | ND | ND | ND | ND | ND | 0 | 64 |
| 313 | 2' | ND | ND | ND | ND | ND | 0 | 48 |
| | 3' | ND | ND | ND | ND | ND | 0 | 48 |
| | 0-6" | ND | ND | ND | ND | ND | 0 | 2000 |
| S16 | 1' | ND | ND | ND | ND | ND | 0 | 448 |
| 210 | 2' | ND | ND | ND | ND | ND | 0 | 128 |
| | 3' | ND | ND | ND | ND | ND | 0 | 80 |

ND – Analyte Not Detected

Complete Laboratory reports can be found in Appendix D.

Remediation Activities

On July 13, 2022, Atkins Engineering personnel arrived on site to drill a test boring to determine depth to ground water. This drilling event was completed and registered with the OSE on 8-4-2022. The hole was bored to a depth of 55' bgs and ground water was not encountered during or after the 72-hour time period.

All sample results on this site are below NMOCD closure criteria per Table 1 of 19.15.29 NMAC. Based on these events, no remediation is necessary at this location.

Closure Request

After careful review, Pima requests that this incident, NAB1513157754 be closed. Devon has complied with the applicable closure requirements.

Should you have any questions or need additional information, please feel free to contact Tom Bynum at 575-964-7740 or tom@pimaoil.com.

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map

Appendices:

Appendix A- Referenced Water Surveys

Appendix B- Soil Survey and Geological Data

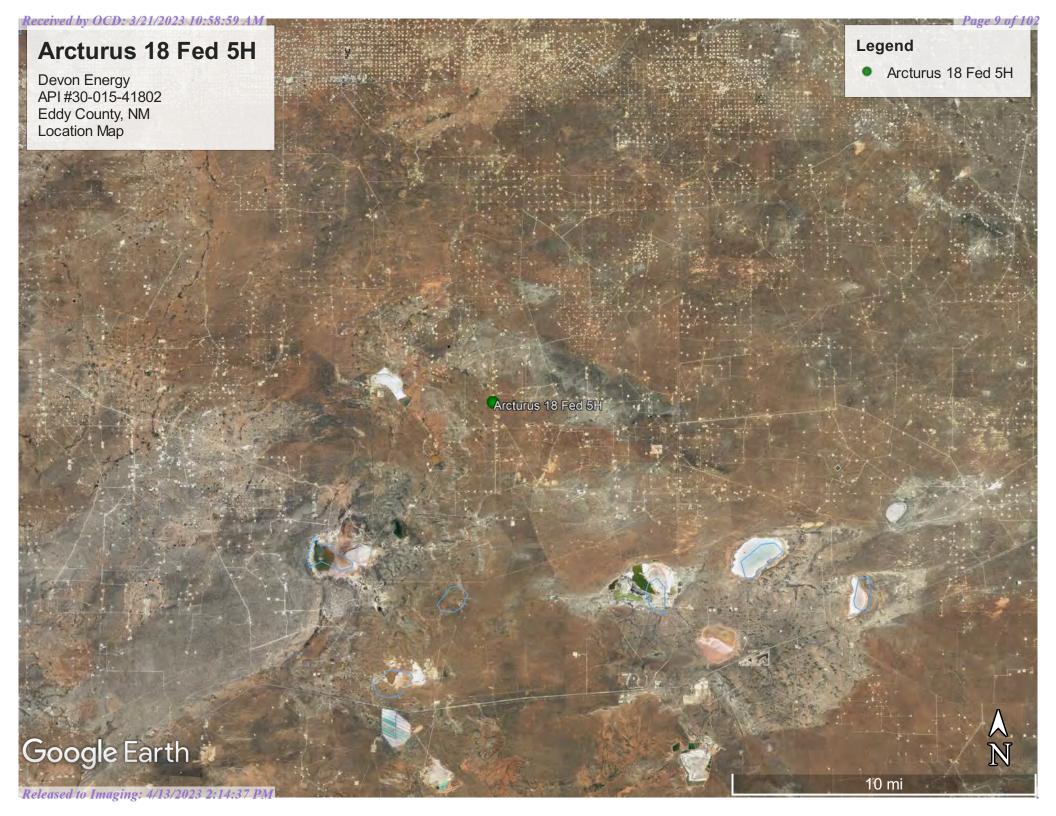
Appendix C- C-141 Form

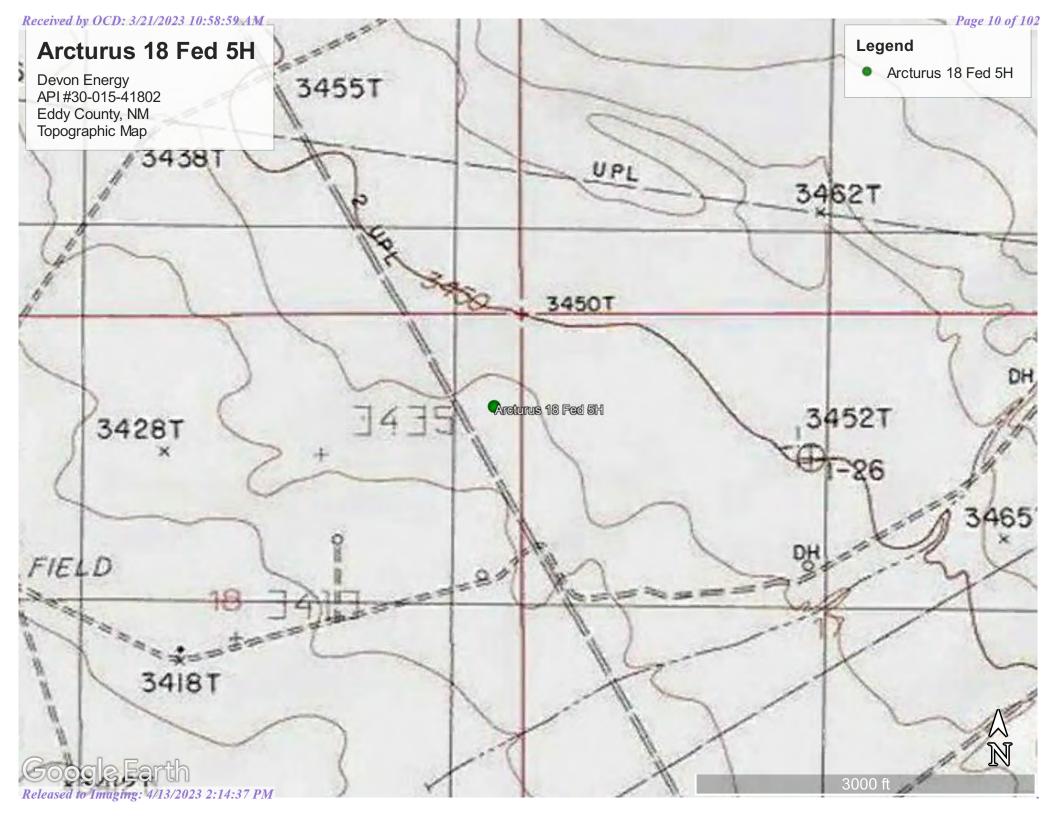
Appendix D- Laboratory Reports

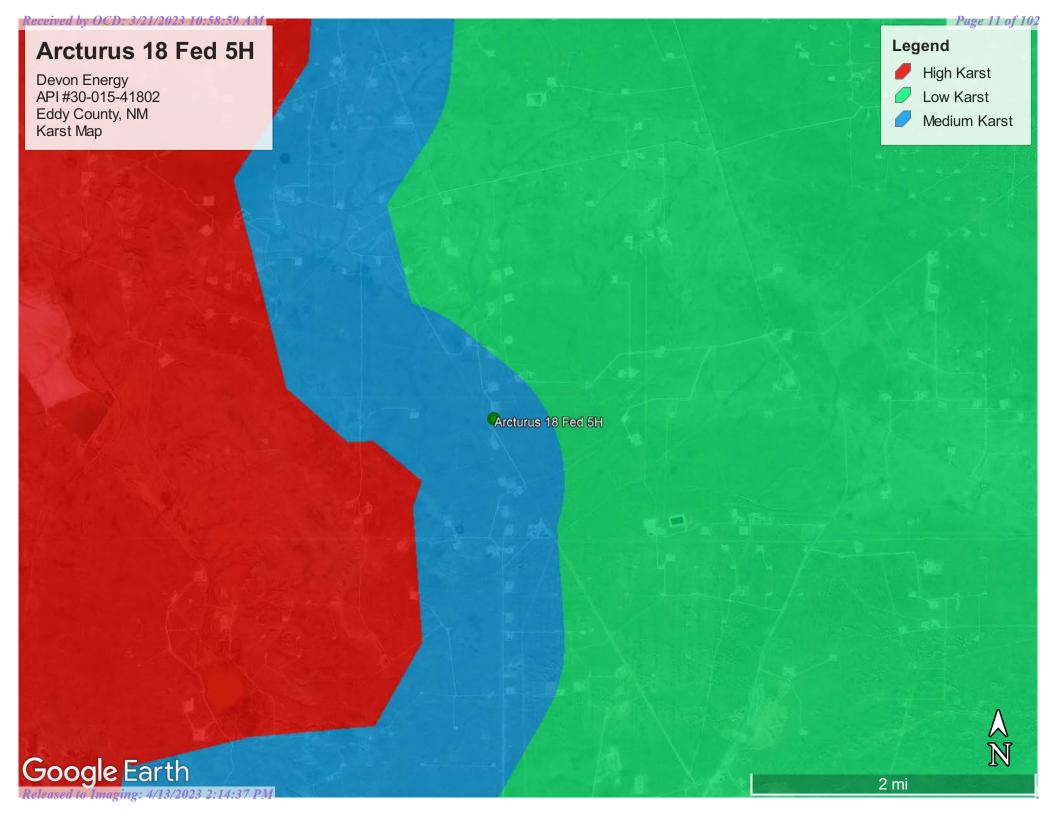


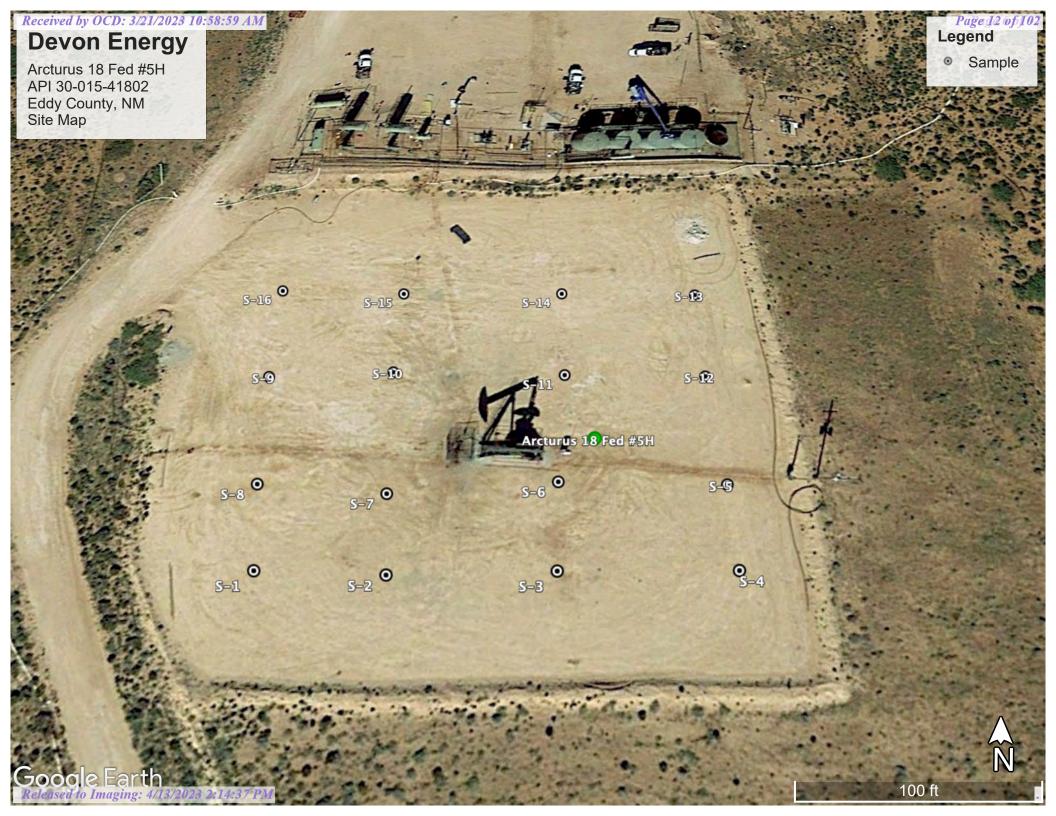
Figures:

- 1 Location Map
- 2 Topographic Map
 - 3 Karst Map
 - 4 Site Map











Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

| | | POD | | | | | | | | | | | | | |
|----------------------|------|-------|--------|----|-----|---|-----|-----|-----|--------|----------|--------------|---------|------------|-------|
| | | Sub- | | Q | Q (| Q | | | | | | | | 1 | Water |
| POD Number | Code | basin | County | 64 | 16 | 4 | Sec | Tws | Rng | X | Y | DistanceDept | hWellDe | pthWater C | olumn |
| <u>CP 01907 POD1</u> | | CP | ED | 4 | 2 | 2 | 18 | 19S | 31E | 603017 | 3614737 | 8 | | | |
| <u>CP 00873 POD1</u> | | CP | LE | | 1 | 1 | 19 | 19S | 31E | 601772 | 3613147* | 2024 | 340 | 180 | 160 |
| <u>CP 00357 POD1</u> | | CP | ED | 4 | 4 | 1 | 24 | 19S | 30E | 600667 | 3612631* | 3159 | 630 | | |
| <u>CP 00829 POD1</u> | | CP | LE | | 2 | 4 | 16 | 19S | 31E | 606165 | 3614009* | 3234 | 120 | | |
| <u>CP 00357 POD2</u> | | CP | ED | 4 | 3 | 1 | 24 | 19S | 30E | 600265 | 3612627* | 3471 | 630 | | |

Average Depth to Water:

180 feet

Minimum Depth:

180 feet

Maximum Depth:

180 feet

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 603015.3 Northing (Y): 3614745.15 Radius: 4000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/6/22 1:21 PM

WATER COLUMN/ AVERAGE DEPTH TO

WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q

Q64 Q16 Q4 Sec Tws Rng

X Y

NA

CP 01907 POD1

4 2 2 18 19S 31E

603017 3614737

9

Driller License: 1249

Driller Company:

ATKINS ENGINEERING ASSOC. INC.

Driller Name:

JACKIE ATKINS

Drill Finish Date:

07/13/2022

Plug Date:

Drill Start Date: Log File Date: 07/13/2022 08/11/2022

PCW Rcv Date:

C-

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: Depth Well:

Depth Water:

Casing Perforations:

Top Bottom

55

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.

0

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POINT OF DIVERSION SUMMARY



| - | POD 1 (TW-1) WELL OWNER N | AME(S) | | | | | CP-1907 PHONE (OPTIO | | | | | | |
|---|-------------------------------|--------|-----------------------------|--------------|--|------------------|--|----------------------------|-------------------------|-------------------|---------|--|--|
| I | Devon Energy | | | | 575-748-183 | 38 | _ ++ | | | | | | |
| | WELL OWNER M 6488 7 Rivers | | ADDRESS | | | | Artesia | | NM. | | ZIP | | |
| | WELL | | | EGREES 32 | MINUTES SI | ECONDS 55.76 | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | | | | | | |
| | (FROM GPS) | | GITUDE | 103 | 54 | 4.95 W | + | QUIRED: WGS 84 | | 2400.00 | | | |
| ш | | | 9S R31S NMPM | STREET ADDRE | SS AND COMMON LA | NDMARKS – PL | SS (SECTION, TO | WNSHJIP, RANGE |) WHERE A | AVAILABLE | | | |
| 1 | LICENSE NO. | | NAME OF LICENSED | DRILLER | 5 T A S . | | | NAME OF WEL | L DRILLIN | G COMPANY | | | |
| | 1249 | | | Ja | ckie D. Atkins | | | Atkins | Engineer | ing Associates, I | Inc. | | |
| 1 | DRILLING STAR 7/13/2022 | | DRILLING ENDED 7/13/2022 | | PLETED WELL (FT) porary Well | BORE HO | LE DEPTH (FT) ±55 | DEPTH WATER | | COUNTERED (FT) | | | |
| | COMPLETED WE | LL IS: | ARTESIAN | ✓ DRY HOLE | SHALLOW (U | (NCONFINED) | | WATER LEVEL PLETED WELL | N/A | 7/13/2022, | | | |
| 1 | DRILLING FLUID |): | ☐ AIR | MUD | | | | | | | | | |
| 1 | DRILLING METH | OD: | ROTARY HAM | MER CABLE | Hollow Stem | Auger CI | HECK HERI STALLED | E IF PITLESS ADA | PTER IS | | | | |
| DEPTH (feet bgl) BORE HOLE FROM TO DIAM | | | | | MATERIAL AND/OF GRADE | ASING NECTION | CASING (INSIDE DIAM. | | ASING WALL THICKNESS | SLOT SIZE | | | |
| | | | (inches) | (include ea | note sections of screen) (add coupling diameter) | | (inches) | 1.1 | (inches) | (inches | | | |
| _ | 0 | 55 | ±6.5 | F | Boring-HSA | | | | | - | | | |
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| | FROM | то | DIAM. (inches) | GRAV | EL PACK SIZE-RA | NGE BY INT | ERVAL | (cubic f | eet) | PLACEN | MENT | | |
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| - | | _ | 1 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | SE INTERNA | LISE | | | | | WR-2 | 0 WELL RECO | RD & LO | G (Version 01/2 | 8/2022) | | |

| | DEPTH (| feet bgl) | | COLOR AND TYPE OF MATERIAL ENCOUNTERED - | WATER | ESTIMATED |
|------------------------------|------------------------------------|--------------|---|--|---|---|
| | FROM | то | THICKNESS (feet) | INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units) | WATER BEARING? (YES / NO) | YIELD FOR WATER- BEARING ZONES (gpm) |
| | 0 | 29 | 29 | Y √N | | |
| | 29 | 44 | 15 | Sand, Medium/ Fine grained, poorly graded, with caliche Light brown / wl | nite Y ✓N | |
| | 44 | 55 | 11 | Sand, Medium/ Fine grained, poorly graded, Light brown | Y ✓N | |
| | | | | | Y N | |
| | | | | | Y N | |
| T | | | | | Y N | |
| WEI | | | | | Y N | |
| OF | | | | | Y N | |
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| 4. HYDROGEOLOGIC LOG OF WELL | | | | | Y N | |
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| | | | | | Y N | |
| | | | | | Y N | |
| | METHOD U | | | OF WATER-BEARING STRATA: BAILER OTHER – SPECIFY: | TOTAL ESTIMATED WELL YIELD (gpm): | 0.00 |
| z | WELL TES | TEST STAF | RESULTS - ATT | ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE | LUDING DISCHARGE | METHOD, |
| 5. TEST; RIG SUPERVISION | MISCELLA | NEOUS IN | FORMATION: To | emporary well material removed and soil boring backfilled using dril elow ground surface(bgs), then hydrated bentonite chips ten feet bgs | Il cuttings from total d to surface. | |
| 5. TEST | PRINT NAM | | | RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS | TRUCTION OTHER TH | IAN LICENSEE: |
| 6. SIGNATURE | THE UNDE CORRECT I AND THE P | RECORD C | EF, THE FOREGOING ECORD WITH THE ST. | S A TRUE AND ATE ENGINEER | | |
| 6. SIGN | Jack A | | | Jackie D. Atkins | 8/4/2022 | |
| | | SIGNA | TURE OF DRILLI | ER / PRINT SIGNEE NAME | DATE | |
| FO | R OSE INTER | NAL USE | | WR-20 WEL | L RECORD & LOG (Ve | rsion 01/28/2022 |
| | E NO. 🕡 🖓 | | 404-L | | 72616 | |
| LO | CATION | 10 | 1.31.18 | WELL TAG ID NO. | | PAGE 2 OF 2 |



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

| Data Category: | | Geographic Area: | | |
|----------------|---|------------------|---|----|
| Groundwater | ~ | United States | ~ | GO |

Click to hideNews Bulletins

• See the Water Data for the Nation Blog for the latest news and updates.

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

323810103511401

Minimum number of levels = 1

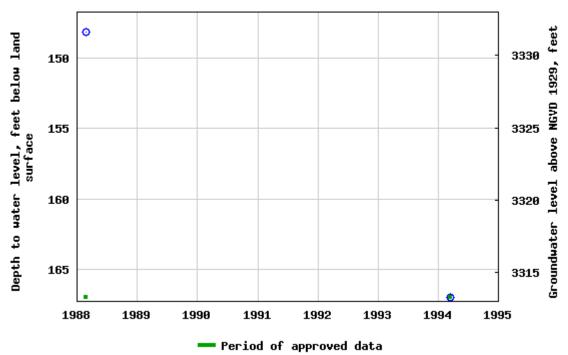
Save file of selected sites to local disk for future upload

USGS 323810103511401 19S.31E.27.214121

| Available data for this site | Groundwater: | Field measurements | ∨ GO | |
|-------------------------------|--------------|--------------------|-----------------|----------|
| Eddy County, New Mexico | | | | |
| Hydrologic Unit Code 1306 | 0011 | | | |
| Latitude 32°38'10", Longi | tude 103°5 | 1'14" NAD27 | | |
| Land-surface elevation 3,4 | 80 feet abo | ve NGVD29 | | |
| The depth of the well is 21 | 0.00 feet b | elow land surface | | |
| This well is completed in the | ne Other aq | uifers (N9999OTh | HER) national a | aquifer. |
| This well is completed in th | ne Santa Ro | sa Sandstone (23 | 31SNRS) local | aquifer. |
| | | | | |

Table of data Tab-separated data Graph of data Reselect period

USGS 323810103511401 195,31E,27,214121



Breaks in the plot represent a gap of at least one year between field measurements.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility

FOIA

Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

Download a presentation-quality graph

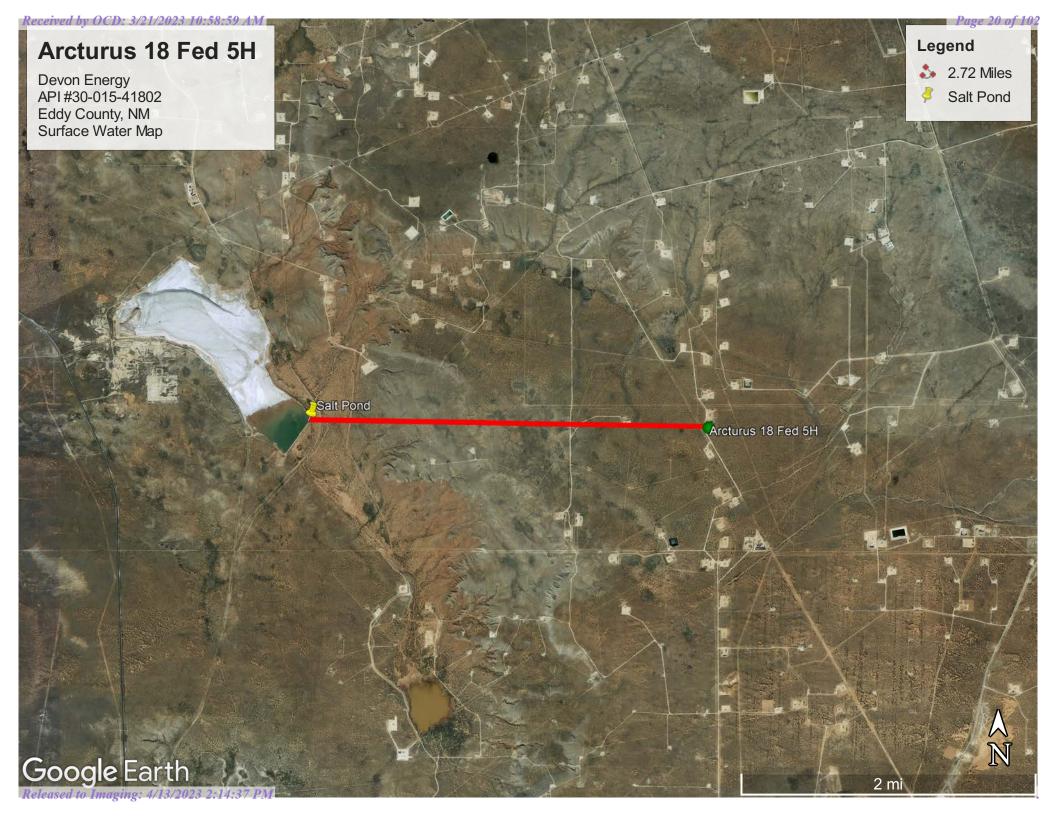
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-12-06 15:24:07 EST

0.53 0.46 nadww01







Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Eddy Area, New Mexico

BA—Berino loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w42 Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent Minor components: 1 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Berino

Setting

Landform: Fan piedmonts, plains

Landform position (three-dimensional): Riser

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand H2 - 12 to 58 inches: sandy clay loam H3 - 58 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0

mmhos/cm)

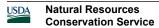
Sodium adsorption ratio, maximum: 1.0

Available water capacity: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B



Ecological site: R042XC007NM - Loamy Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 1 percent Ecological site: R042XC003NM - Loamy Sand Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020

National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE)

With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway

> 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual**

Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D

NO SCREEN Area of Minimal Flood Hazard Zone X

Effective LOMRs

OTHER AREAS Area of Undetermined Flood Hazard Zone D

- - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall

> 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study

> > Hydrographic Feature

Jurisdiction Boundary — --- Coastal Transect Baseline OTHER **Profile Baseline FEATURES**

Digital Data Available

No Digital Data Available

MAP PANELS Unmapped

> The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/6/2022 at 3:27 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



2.000

Wetlands Map



December 6, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

d Lake

Freshwater Forested/Shrub Wetland

Other

Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Appendix C

C-141 Form

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

1220 S. St. Francis Dr., Santa Fe, NM 87505

District IV

State of New Mexico **Energy Minerals and Natural Resources**

NM OIL CONSERVATION ARTESIA DISTRICT

Form C-141 Revised August 8, 2011

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

MAY 1 1 2015 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action OPERATOR Initial Report Contact Rudy Zuniga, Production Foreman **Telephone No.** 575-390-5435

nab 1513 157754 Final Report Name of Company Devon Energy Production Address 6488 Seven Rivers Hwy Artesia, NM 88220 Facility Name Arcturus 18 Fed 5H Facility Type Oil Mineral Owner Federal Surface Owner Federal **API No.** 30-015-41802 LOCATION OF RELEASE Feet from the North/South Line Feet from the East/West Line Unit Letter Section Township Range County 18 19S 31E 845 **FNL** 250 **FEL** Eddy Α Latitude: 32.6653332'N Longitude: 103.9008789'W NATURE OF RELEASE Type of Release Oil & Produced Water Volume of Release 20bbls Volume Recovered 20bbls Source of Release H.F. back pressure valve Date and Hour of Occurrence Date and Hour of Discovery May 6, 2015 6:30 AM May 6, 2015 6:30 AM Was Immediate Notice Given? If YES, To Whom? Jeff Robertson, BLM Mike Bratcher, OCD By Whom? Lynn Smith, Asst. Production Foreman Date and Hour Jeff Robertson, BLM May 6, 2015 8:57 AM Mike Bratcher, OCD May 6, 2015 8:59 AM Was a Watercourse Reached? If YES, Volume Impacting the Watercourse ☐ Yes 🛛 No N/A If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* On May 6, 2015 6:30 AM the Lease Operator was contacted and told that the Arcturus 18 Fed 5H was leaking from the well head, upon Lease Operator's arrival to the location he discovered a H. F. back pressure valve had washed out releasing 20bbls of oil and produced water mix onto location.

Describe Area Affected and Cleanup Action Taken.*

The affected area was 48x85 with all fluids contained on location. Legendary Trucking recovered all 20bbls of oil and produced water mix and the contaminated dirt will be removed from location and replaced with fresh dirt.

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

| rederal, state, of focal laws and/of regulations. | OH CONCEDIATION DIVICION |
|---|--|
| Signature: Sheila Fisher | OIL CONSERVATION DIVISION |
| Printed Name: Sheila Fisher | Approved by Environmental Specialist: |
| Title: Field Admin Support | Approval Date: 511115 Expiration Date: NIA |
| E-mail Address: Sheila.Fisher@dvn.com | Conditions of Approval: |
| Date: Phone: 575.748.1829 | BBMIT REMEDIATION PROPOSAL NO |

* Attach Additional Sheets If Necessary

2KP-2948 _ATER THAN: _ULLALID

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| What is the shallowest depth to groundwater beneath the area affected by the release? | 180 (ft bgs) |
|---|--------------------|
| Did this release impact groundwater or surface water? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ⊠ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ⊠ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within a 100-year floodplain? |] Yes ⊠ No |
| Did the release impact areas not on an exploration, development, production, or storage site? |] Yes ⊠ No |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | al extents of soil |
| Characterization Report Checklist: Each of the following items must be included in the report. | |
| Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release | |

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

Received by OCD: 3/21/2023 10:58:59 AM Form C-141 State of New Mexico Page 2 Oil Conservation Division

| Page 29 of 102 | |
|----------------|--|
|----------------|--|

| Incident ID | NAB1513157754 |
|----------------|---------------|
| District RP | 2RP-2998 |
| Facility ID | |
| Application ID | |

| regulations all operators are required to report and/or file cer public health or the environment. The acceptance of a C-14 failed to adequately investigate and remediate contamination | complete to the best of my knowledge and understand that pursuant to OCD rules and tain release notifications and perform corrective actions for releases which may endanger I report by the OCD does not relieve the operator of liability should their operations have a that pose a threat to groundwater, surface water, human health or the environment. In the operator of responsibility for compliance with any other federal, state, or local laws |
|--|---|
| | EHS Consultant |
| Printed Name: Dale Woodall Signature: Dale Woodall | Date: 1/3/2023 |
| _{email:} dale.woodall@dvn.com | Telephone. 575-748-1838 |
| OCD Only | |
| Received by: | Date: |
| | |
| | |
| | |

Page 30 of 102

| Incident ID | NAB1513157754 |
|----------------|---------------|
| District RP | 2RP-2998 |
| Facility ID | |
| Application ID | |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

| Closure Report Attachment Checklist: Each of the following ite | ms must be included in the closure report. |
|---|--|
| | NMAC |
| Photographs of the remediated site prior to backfill or photos o must be notified 2 days prior to liner inspection) | f the liner integrity if applicable (Note: appropriate OCD District office |
| ☐ Laboratory analyses of final sampling (Note: appropriate ODC) | District office must be notified 2 days prior to final sampling) |
| Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a | ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ons. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in |
| Printed Name: Dale Woodall | EHS Consultant |
| Signature: Dala Woodall | _ _{Date:} 1/3/2023 |
| _{email:} dale.woodall@dvn.com | Telephone: 575-748-1848 |
| OCD Only | |
| Received by: | Date: |
| | f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations. |
| Closure Approved by: | Date: |
| Printed Name: | Title: |



Appendix D

Laboratory Reports



September 03, 2020

CHRIS JONES
PIMA ENVIROMENTAL
1601 N TURNER STE. 500
HOBBS, NM 88240

RE: ARCTURUS 18 FED 5H

Enclosed are the results of analyses for samples received by the laboratory on 09/01/20 8:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S1 - 0-6" (H002305-01)

DTEV 0021D

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.94 | 96.9 | 2.00 | 3.75 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 2.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.94 | 97.2 | 2.00 | 1.75 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 1.50 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 123 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 133 | % 42.2-15 | 6 | | | | | | |

Analyzed By me

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S2 - 0-6" (H002305-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.94 | 96.9 | 2.00 | 3.75 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 2.88 | |
| Ethylbenzene* | < 0.050 | 0.050 | 09/01/2020 | ND | 1.94 | 97.2 | 2.00 | 1.75 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 1.50 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 127 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 9 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2 - 1' (H002305-03)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.94 | 96.9 | 2.00 | 3.75 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 2.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.94 | 97.2 | 2.00 | 1.75 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 1.50 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 124 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

ARCTURUS 18 FED 5H

ma/ka

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2 - 2' (H002305-04)

Project Name:

RTFY 8021R

| BIEX 8021B | тд/кд | | Analyzed By: ms | | | | | | |
|--------------------------------------|---------------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | QR-03 |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | QR-03 |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | QR-03 |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | QR-03 |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 % 73.3-12 | | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 135 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 148 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2 - 3' (H002305-05)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 131 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 141 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S3 - 0-6" (H002305-06)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | 164 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | 297 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 115 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 130 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S3 - 1' (H002305-07)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | 25.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 125 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 139 9 | 6 42.2-15 | 6 | | | | | | |

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Celeg D. Freene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S3 - 2' (H002305-08)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | < 0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 120 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 130 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey & Keene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S3 - 3' (H002305-09)

| BTEX 8021B | mg | /kg | Analyze | ed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 129 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 141 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S4 - 0-6" (H002305-10)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 118 % | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 131 9 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Freene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S4 - 1' (H002305-11)

Project Name:

| BTEX 8021B | mg, | /kg | Analyze | ed By: ms | | | | | |
|--------------------------------------|---------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | < 0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | Analyzed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 114 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celeg D. Freene



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S4 - 2' (H002305-12)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 125 % | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 138 % | 6 42.2-15 | 6 | | | | | | |

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Celeg D. Freene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S4 - 3' (H002305-13)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 130 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey & Keene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S5 - 0-6" (H002305-14)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | a By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 123 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 133 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S5 - 1' (H002305-15)

| BTEX 8021B | mg, | 'kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/01/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/01/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/01/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 138 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 151 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S5 - 2' (H002305-16)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 128 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 140 9 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Freene



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S5 - 3' (H002305-17)

Project Name:

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 127 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 139 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S6 - 0-6" (H002305-18)

Project Name:

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2360 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 124 % | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 % | 6 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

ARCTURUS 18 FED 5H

ma/ka

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S6 - 1' (H002305-19)

Project Name:

RTFY 8021R

| Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD | BIEX 8021B | mg | /кд | Anaiyze | a By: ms | | | | | |
|--|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Toluene* < 0.050 0.050 09/02/2020 ND 1.97 98.3 2.00 0.895 Ethylbenzene* < 0.050 0.050 09/02/2020 ND 1.92 95.9 2.00 0.956 Total Xylenes* < 0.150 0.150 09/02/2020 ND 5.93 98.8 6.00 0.879 Total BTEX < 0.300 0.300 09/02/2020 ND 5.93 98.8 6.00 0.879 Surrogate: 4-Bromofluorobenzene (PID 110 % 73.3-129 Chloride, SM450OCI-B mg/ky Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 144 16.0 09/02/2020 ND 400 100 400 3.92 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* < 10.0 10.0 09/01/2020 ND 214 107 200 0.909 DRO >C10-C28* < 10.0 10.0 09/01/2020 ND 227 113 200 1.28 EXT DRO >C28-C36 < 10.0 10.0 09/01/2020 ND Surrogate: 1-Chlorooctane 133 % 44.3-144 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Ethylbenzene* <0.050 0.050 09/02/2020 ND 1.92 95.9 2.00 0.956 Total Xylenes* <0.150 0.150 09/02/2020 ND 5.93 98.8 6.00 0.879 Total BTEX <0.300 0.300 09/02/2020 ND Surrogate: 4-Bromofluorobenzene (PID 110 % 73.3-129 Chloride, SM4500Cl-B mg/ky Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 144 16.0 09/02/2020 ND 400 100 400 3.92 THR 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 09/01/2020 ND 214 107 200 0.909 DRO >C10-C28* <10.0 10.0 09/01/2020 ND 227 113 200 1.28 EXT DRO >C28-C36 <10.0 10.0 09/01/2020 ND Surrogate: 1-Chlorooctane 133 % 44.3-144 | Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Total Xylenes* <0.150 0.150 09/02/2020 ND 5.93 98.8 6.00 0.879 Total BTEX <0.300 | Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Total BTEX <0.300 0.300 09/02/2020 ND Surrogate: 4-Bromofluorobenzene (PID 110 % 73.3-129 Chloride, SM4500Cl-B mg/ky Analyzed By: GM Analyte Result Reporting Limit Analyzed By: GM Chloride 144 16.0 09/02/2020 ND 400 100 400 3.92 TPH 8015M mg/ky Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Surrogate: 4-Bromofluorobenzene (PID 110 % 73.3-129 Chloride, SM4500Cl-B mg/ky Analyzed By: GM Analyte Result Reporting Limit Reporting Limit Analyzed Number State St | Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Chloride, SM4500Cl-B mg/kg Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 144 16.0 09/02/2020 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 09/01/2020 ND 214 107 200 0.909 | Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 144 16.0 09/02/2020 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 09/01/2020 ND 214 107 200 0.909 DRO >C10-C28* <10.0 10.0 09/01/2020 ND 227 113 200 1.28 EXT DRO >C28-C36 <10.0 10.0 09/01/2020 ND Surrogate: 1-Chlorooctane 133 % 44.3-144 | Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride 144 16.0 09/02/2020 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 09/01/2020 ND 214 107 200 0.909 DRO >C10-C28* <10.0 10.0 09/01/2020 ND 227 113 200 1.28 EXT DRO >C28-C36 <10.0 10.0 09/01/2020 ND Surrogate: 1-Chlorooctane 133 % 44.3-144 | Chloride | 144 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| GRO C6-C10* <10.0 10.0 09/01/2020 ND 214 107 200 0.909 DRO >C10-C28* <10.0 10.0 09/01/2020 ND 227 113 200 1.28 EXT DRO >C28-C36 <10.0 10.0 09/01/2020 ND Surrogate: 1-Chlorooctane 133 % 44.3-144 | TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| DRO >C10-C28* < 10.0 10.0 09/01/2020 ND 227 113 200 1.28 EXT DRO >C28-C36 <10.0 10.0 09/01/2020 ND Surrogate: 1-Chlorooctane 133 % 44.3-144 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| EXT DRO >C28-C36 <10.0 10.0 09/01/2020 ND Surrogate: 1-Chlorooctane 133 % 44.3-144 | GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| Surrogate: 1-Chlorooctane 133 % 44.3-144 | DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| | EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctadecane 144 % 42.2-156 | Surrogate: 1-Chlorooctane | 133 | % 44.3-14 | 4 | | | | | | |
| | Surrogate: 1-Chlorooctadecane | 144 | % 42.2-15 | 6 | | | | | | |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S6 - 2' (H002305-20)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | a By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 214 | 107 | 200 | 0.909 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 227 | 113 | 200 | 1.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 128 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 141 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

ARCTURUS 18 FED 5H

mg/kg

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S6 - 3' (H002305-21)

Project Name:

BTEX 8021B

| | 9/ | 9 | 7 | 7: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 133 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: ms

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S7 - 0-6" (H002305-22)

RTFY 8021R

| 2.00 2.00 2.00 2.00 6.00 | 1.47 0.895 0.956 0.879 | Qualifier |
|--------------------------------------|---------------------------------|-----------|
| 2.00 2.00 | 0.895 0.956 | |
| 2.00 | 0.956 | |
| | | |
| 6.00 | 0.879 | |
| | | |
| | | |
| | | |
| | | |
| True Value QC | RPD | Qualifier |
| 400 | 3.92 | |
| | | |
| True Value QC | RPD | Qualifier |
| 200 | 7.76 | |
| 200 | 5.47 | |
| | | |
| | | |
| | | |
| | 200 | 200 5.47 |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S7 - 1' (H002305-23)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.96 | 97.8 | 2.00 | 1.47 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.97 | 98.3 | 2.00 | 0.895 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 95.9 | 2.00 | 0.956 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.93 | 98.8 | 6.00 | 0.879 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 136 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 149 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S7 - 2' (H002305-24)

| 2.00 2.00 2.00 2.00 6.00 | 7.76 8.25 8.05 6.94 | Qualifier |
|--------------------------------------|------------------------------|-----------|
| 2.00 2.00 | 8.25 8.05 | |
| 2.00 | 8.05 | |
| | | |
| 6.00 | 6.94 | |
| | | |
| | | |
| | | |
| | | |
| rue Value QC | RPD | Qualifier |
| 400 | 3.92 | |
| | | |
| rue Value QC | RPD | Qualifier |
| 200 | 7.76 | |
| 200 | 5.47 | |
| | | |
| | | |
| | | |
| | 200 | 200 5.47 |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S7 - 3' (H002305-25)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 129 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 140 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S8 - 0-6" (H002305-26)

RTFY 8021R

| covery True Value QC RPD Qualifier |
|------------------------------------|
| covery True Value QC RPD Qualifier |
| 1.9 2.00 7.76 |
| 4.5 2.00 8.25 |
| 3.8 2.00 8.05 |
| 7.0 6.00 6.94 |
| |
| |
| |
| covery True Value QC RPD Qualifier |
| 00 400 3.92 |
| |
| covery True Value QC RPD Qualifier |
| 2.0 200 7.76 |
| 4.0 200 5.47 |
| |
| |
| |
| 2 |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

mg/kg

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S8 - 1' (H002305-27)

BTEX 8021B

| DILX GOZID | mg/ | - Kg | Allulyzo | a by. ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 133 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: ms

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreine



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S8 - 2' (H002305-28)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 09/02/2020 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 140 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 143 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S8 - 3' (H002305-29)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | a By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 145 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 149 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

ARCTURUS 18 FED 5H

ma/ka

Project Name: ARG Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S9 - 0-6" (H002305-30)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | ea By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 141 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S9 - 1' (H002305-31)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 133 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 139 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

ne: ARCTURUS 18 FED 5H

Project Name: AR0
Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S9 - 2' (H002305-32)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 130 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 138 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

mg/kg

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S9 - 3' (H002305-33)

BTEX 8021B

| | 9, | 9 | 7 | 7: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 139 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 146 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: ms

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S10 - 0-6" (H002305-34)

| BTEX 8021B | mg/ | kg | Analyzed By: ms | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6560 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 135 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S10 - 1' (H002305-35)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | < 0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 133 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 140 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S10 - 2' (H002305-36)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | < 0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 141 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 148 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S10 - 3' (H002305-37)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 138 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 144 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S11 - 0-6" (H002305-38)

| BTEX 8021B | mg/ | kg | Analyzed By: ms | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | 31.8 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 136 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 153 9 | 6 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S11 - 1' (H002305-39)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | < 0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 143 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 152 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S11 - 2' (H002305-40)

RTFY 8021R

| B1EX 8021B | mg | / kg | Anaiyze | ea By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 164 | 82.0 | 200 | 7.76 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 168 | 84.0 | 200 | 5.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 141 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 152 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S11 - 3' (H002305-41)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 134 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 146 9 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S12 - 0-6" (H002305-42)

RTFY 8021R

| B1EX 8021B | mg | / kg | Anaiyze | a By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 120 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 135 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S12 - 1' (H002305-43)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.9 | 2.00 | 7.76 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.89 | 94.5 | 2.00 | 8.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.88 | 93.8 | 2.00 | 8.05 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.82 | 97.0 | 6.00 | 6.94 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 143 % | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 164 % | 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S12 - 2' (H002305-44)

RTFY 8021R

| BIEX 8021B | mg | ^и кд | Anaiyze | а ву: м5 | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 134 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 153 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Applyzod By: MC

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S12 - 3' (H002305-45)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 127 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 146 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S13- 0-6" (H002305-46)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 121 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 135 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S13- 1' (H002305-47)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 138 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 154 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S13- 2' (H002305-48)

RTFY 8021R

| B1EX 8021B | mg | /кд | Anaiyze | а ву: м5 | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/02/2020 | ND | 432 | 108 | 400 | 7.69 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 127 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 139 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Applyzod By: MC

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S13-3' (H002305-49)

RTFY 8021R

| B1EX 8021B | mg | /кд | Anaiyze | а ву: м5 | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 131 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 144 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Applyzod By: MC

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S14- 0-6" (H002305-50)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | < 0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 130 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 146 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S14- 1' (H002305-51)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 116 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 129 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celeg D. Freene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S14- 2' (H002305-52)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 123 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S14- 3' (H002305-53)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 137 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 152 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S15- 0-6" (H002305-54)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 126 % | 6 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 139 % | 6 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S15- 1' (H002305-55)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 189 | 94.7 | 200 | 1.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 206 | 103 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 133 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 146 9 | % 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S15- 2' (H002305-56)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.0 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 194 | 96.8 | 200 | 1.21 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 203 | 101 | 200 | 0.0513 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 114 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S15- 3' (H002305-57)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 194 | 96.8 | 200 | 1.21 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 203 | 101 | 200 | 0.0513 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 126 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 135 9 | 6 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL **CHRIS JONES** 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: S16- 0-6" (H002305-58)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.07 | 103 | 2.00 | 5.26 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 2.08 | 104 | 2.00 | 5.59 | |
| Ethylbenzene* | < 0.050 | 0.050 | 09/02/2020 | ND | 2.06 | 103 | 2.00 | 4.93 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.96 | 99.3 | 6.00 | 4.77 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2000 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 194 | 96.8 | 200 | 1.21 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 203 | 101 | 200 | 0.0513 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 123 % | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 132 9 | 42.2-15 | 6 | | | | | | |

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Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S16- 1' (H002305-59)

| BTEX 8021B | mg | /kg | Analyze | ed By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.8 | 2.00 | 7.17 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 96.0 | 2.00 | 6.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.91 | 95.6 | 2.00 | 6.32 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.87 | 97.9 | 6.00 | 6.24 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 194 | 96.8 | 200 | 1.21 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 203 | 101 | 200 | 0.0513 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 126 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S16- 2' (H002305-60)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.8 | 2.00 | 7.17 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 96.0 | 2.00 | 6.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.91 | 95.6 | 2.00 | 6.32 | |
| Total Xylenes* | <0.150 | 0.150 | 09/02/2020 | ND | 5.87 | 97.9 | 6.00 | 6.24 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/02/2020 | ND | 194 | 96.8 | 200 | 1.21 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/02/2020 | ND | 203 | 101 | 200 | 0.0513 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/02/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 128 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 137 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene



Analytical Results For:

PIMA ENVIROMENTAL CHRIS JONES 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 09/01/2020 Reported: 09/03/2020

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S16- 3' (H002305-61)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.90 | 94.8 | 2.00 | 7.17 | |
| Toluene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.92 | 96.0 | 2.00 | 6.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/02/2020 | ND | 1.91 | 95.6 | 2.00 | 6.32 | |
| Total Xylenes* | < 0.150 | 0.150 | 09/02/2020 | ND | 5.87 | 97.9 | 6.00 | 6.24 | |
| Total BTEX | <0.300 | 0.300 | 09/02/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 09/02/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/01/2020 | ND | 174 | 86.9 | 200 | 3.71 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/01/2020 | ND | 177 | 88.6 | 200 | 3.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/01/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 134 | % 44.3-14 | 14 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



| | Kelinguisned By: | Kalliquisitad by. | S A B B | PLEASE NOTE: Liability and Dampones | | 200 | | | | | - 12 | Lab I.D. 5 | FOR LAB USE ONLY | e: | Project Location: E | Project Name: Arcturus 18 | Project #: 46 | Phone #: 575-6 | city: Hobbs | Address: 1601 | Project Manager: Q | Company Name: Pima | (575 |
|---|------------------|--|---|-------------------------------------|------|-------|------|----|------------|-------|-------|--|------------------|-------------|---------------------|---------------------------|---------------|-----------------|--------------------|----------------|-----------------------------------|--------------------|-----------------------------------|
| Delivered By: (Circle One) Observed Temp, °C Sampler - UPS - Bus - Other: Corrected Temp, °C | Date: | 02.120 | ligence and any other cause we for moderntal or consequental or consequental ed to the performance of service to the performance of services. | 1 | がんが、 | 1 - 6 | 1 3. | 12 | - CERT! !' | 10-6" | 10-6" | Sample I.D. | | MAR NEWCOMB | EDDY County | rurus 18 FED SH | | -31-6977 Fax #: | State: / V My Zip: | N. Turner Ste: | hris Jones | nd Environmental | (575) 393-2326 FAX (575) 393-2476 |
| Sample Condition Cook Intact Yes Yes | Received By: | Jan Mer | curver enterory or any canna arrang whenter cased in contract or tort, shall be limited to the amount pold by the client for the inhaboverer shall be deemed waived unless made in writing and received by Cardinal within 201 days after complication of the at damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, cost of the contract of the above started reasons or otherwise. | | - | | | | | | - | (G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | MATRIX | Fa | PF | St | Devon | Ac | 02488 | 500 00 | P | | 476 |
| CHECKED BY: | | Non | intract or fort, shall be limited to the amount ping and received by Cardinal within 30 days at tign, and received by Cardinal within 30 days at tigns, loss of use, or foss of profits incurred by claim is bassed upon any of the above stated | A | | | | | | dich | - (| ACID/BASE: ICE / COOL OTHER : | PRESERV. SAI | Fax #: | Phone #: | State: Zip: | City: | Address: | 3 | Company: Devon | PP3805 #. D. P. D. P. D. P. D. P. | BILL TO | |
| Turnaround Time: Thermometer ID #113 Correction Factor None | REMARKS: | Verbal Result: All Results are en | aid by the client for the er completion of the applicab client, its subsidiaries, easons or otherwise. | + | | | | | | | 1 | TIME | SAMPLING | | | | | | Bynum | ۲ | 487 | | |
| Standard Rush | Bill TO Devois | ☐ Yes ☐ No nailed. Please pro | | + | | | | | | | - | BTEX | | | | | | | | | | | |
| d ☐ Bacteria (only) Sample Condition ☐ Cool Intact Observed Temp. °C ☐ Yes ☐ Yes | Devois | Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: | | | | | | | | | | | | | | | | | | | | ANALYSIS REQUEST | |

Relinquished By:

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. °C - 3.9

Time:

Received By:

REMARKS:

Bill to DEVON

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

ived By

All Results are emailed. Please provide Email address:

Verbal Result:

□ Yes

ONO

Add'l Phone #:

Corrected Temp. °C

Cool Intact Sample Condition

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Thermometer ID #113
Correction Factor None Turnaround Time: Relinquished By:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| company name: PIWA ENVIONENTA | | BILL TO | ANALYSIS REQUEST |
|--------------------------------|---|---|------------------|
| Project Manager: Chris Jones | | 2846930P:# O.A | - 1 |
| Address: 1601 N. Turner Ste500 | | Company: Deupl | |
| city: Abbbs state: N/M | OH888 :: | Attn: Your ByNUM | |
| -631-6977 | | SSS | |
| Project #: 46 Project Owne | Devor | City: | |
| Ircturus 1 | | State: Zip: | |
| Project Location: Eddy County | | # | |
| Sampler Name: Mark Newcomb | 71 | Fax #: | |
| FOR LAB USE ONLY | MATRIX | PRESERV SAMPLING | |
| | ATER TER | | EXT |
| HD62304 | (G)RAB # CONT GROUN WASTE SOIL OIL SLUDGE | ACID/BA IGE / CO OTHER DATE TIME | TP |
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| 18 56 -0-6" | | | |
| 11-95 61 | | | |
| 12-9502 | | - | 1 |

† Cardinal cannot accept verbal changes. Nease email changes to celey.keene@cardinallabsnm.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Sample I.D. Sample I.D. Sample I.D. Restriction of the state of the | Company Name: Din A | Din A Carrier in Carrier | | 3500000 |
|--|--|--|---|---|
| 16 0 N. Turnver Stee SOO Company, Devon | Chri | Jones | | ANALYSIS |
| Sample I.D. Sample I.D. Sample Deuch MARK Project Owner: Deuch Robinse: Zip: Phone #: WANK Newcounts MARK Project Owner: Deuch MARK Phone #: Phone #: Phone #: Project Owner: Deuch Robinse: Zip: Phone #: Phone #: Project Owner: Deuch Robinse: Zip: Part / Comment of the following owner own | 1601 | Ŋ | | |
| Project Owner: DRUON Address: Rody County Mark Newcount Frestery Sample I.D. ORINERER MARIN Frestery Sample I.D. ORINERER Frestery Sample I.D. ORICE IT IMME Frest IT IMME Fres | | State: NM Zip: 88240 | Tom | |
| Project Owner: D&UON State: Zip: RCHAY CBWATH PRODE #: FRAM : ENAM: FRESERV SAMPLING PRESERV SAMPLING PRESERV SAMPLING ABDATANATER One #: FRESERV SAMPLING ABDATANATER ONE GROOTSTELL ONE GROOTST | Phone #: 575-631-69 | 777 Fax#: | | |
| Sample I.D. Sample I.D. Sample I.D. OCONTINUE SAMPLING FRESERV SAMPLING FRESERV SAMPLING FRESERV SAMPLING FRESERV SAMPLING | | Project Owner: Devon | City: | |
| Sample I.D. Sample I.D. Reserved MATRIX PRESERV SAMPLING PRESERV SAMPLING PRESERV SAMPLING SAMPLI | Project Name: Arcturu | 00 | | |
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| Sample I.D. Cool Inter: Corrected Temp. 'C - 59 Sample Condition Checked By: Turnaround Time: Standard Sample Cool Inter: Corrected Temp. 'C - 59 Sample Condition Checked By: Turnaround Time: Standard Sample Cool Inter: Corrected Temp. 'C - 59 Sample Condition Checked By: Turnaround Time: Standard Sample Cool Inter: Corrected Temp. 'C - 59 Sample Condition Checked By: Turnaround Time: Standard Sample Cool Inter: Corrected Temp. 'C - 59 Sample Condition Checked By: Turnaround Time: Standard Sample Cool Inter: Corrected Temp. 'C - 59 Sample Condition Checked By: Turnaround Time: Standard Sample Cool Inter: C | FOR LAB USE ONLY | 1 | ESERV. | 7 |
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| \$8 - 3' \$9 - 0 - 6' Diamages. Certifinal's liability and client's exclusive namedy for any other methods in contract or bort, shall be immed to the amount paid by the client to the applicable (those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the applicable (out of or related to the performance of services interember by Cardinal, regardless of wateringtons, loss of profits incurred by dent, its subcladiaties, out of or related to the performance of services interember by Cardinal, regardless of wateringtons, loss of use, or loss of profits incurred by dent, its subcladiaties, out of or related to the performance of services interember by Cardinal, regardless of wateringtons, loss of use, or loss of profits incurred by dent, its subcladiaties, out of or related to the performance of services interember by Cardinal, regardless of watering such claims based upon any of the above stated reasons or characters. Party: 11 Received By: Time: Received By: Remarks: Verbal Results are emailed. Please provide Email address: Verbal Results are emailed. Please provide Email address: Clie One) Observed Temp. °C 5.9 Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) Scool Infact Cool Infact Cool Infact | IN | | | |
| SB - 3 ' SQ - 0 - 6 '' Damages. Candinat's lability and client's exclusive remody for any claim arising whether based in contract or tout, shall be femilied to the amount point by the client for the those of magiligence and any other cause whitscover shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable dinal be finable for incidental or consequential damages, including without limitation, business interruptions, loss of profits incurred by Calent, as subsidiaries. Cut of or related to the partnamence of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Parts: Received By: Time: Date: Received By: Received By: Verbal Results are emailed. Please provide Email address: Cle One) Observed Temp. °C 5.9 Sample Condition CHECKED BY: Turnaround Time: Standard Cool Intact Cool Intact Cool Intact The momentum of the applicable of the anomalies in the standard Cool Intact Cool I | 10 | | | |
| Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tost, shall be immed to the amount paid by the client for the those for negligence and any other cause whatsoewer shall be deemed waived unless made in writing and received by Cardinal within 30 days after compeletion of the applicable drinal be fable for incidental or consequental damages, including without limitation. business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries. Pate: | 185 | | | |
| diral be flable for incidental or consequential damages, including without limitation, business interruptions, loss of less of less of less of profiles nounced by client, its subsidiaries. Patis: | 30 59 - 0 - PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for neglicence and a | by and client's exclusive remedy for any claim arising whether based in contract the craises whaterwave that he depended unaised unless that the contract in the contract that | ct or tort, shall be limited to the amount paid by the | |
| Time: Date: Received By: Received By: Received By: Received By: Received By: Received By: Remarks: Remarks: Remarks: Remarks: Remarks: Remarks: Remarks: Remarks: Remarks: Turnaround Time: Standard Bacteria (only) Supple Condition Corrected Temp. °C Cool Intact Corrected Temp. °C Rush Cool Intact Thermometer in #412 | service: In no event shall Cardinal be table for incidental affiliates or successors arising out of or related to the perf | or consequental damages, including without limitation, business interruptions, formance of services hereunder by Cardinal, regardless of whether such claim. | in loss of use, or loss of profits incurred by client, as in is based upon any of the above stated reasons or | subsidiaries. |
| Date: Received By: Time: Corrected Temp. °C 5.9 Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) Substitute Corrected Temp. °C Cool Intact Cool Intact Thermometer in #113 Rush Cool Intact Thermometer in #113 Ru | Reinquisned by: | Time: 5:12 Man | MA | bal Result: ☐ Yes ☐ No Add'! Phone #: tesults are emailed. Please provide Email address: |
| Observed Temp. °C 3.9 Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) S Cool Intact (inftials) Corrected Temp. °C 77es 17es | Relinquished By: | | REN | |
| The state of the s | Delivered By: (Circle One) Sampler - UPS - Bus - Other: | | n CHECKED BY: | Standard Bacteria (only) S Rush Cool Intact Type Type |

Page 66 of 70

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

| Project Manager: Chr. C Tones | | 1040-100C # 09 | | יייייייייייייייייייייייייייייייייייייי |
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| | 04688 | Low Rysum | | |
| -631-6977 F | | ess: | | |
| Project #: 4 6 | towner: Devon | | | |
| 8 18 | | e: Zip: | | |
| Project Location: Eddy Courty | | # | | |
| Sampler Name: MACK Neucomb | | | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | XT | |
| Lab I.D. Sample I.D. | (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE DTHER: ACID/BASE: | DATE | TPH E BTEX Chloric | |
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| 36 511 - 0-6" | | | | |
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| those for negligence and any other cause final be liable for incidental or consequent out of or related to the performance of se | use whatsoever shall be deemed where unexperience in contract of tort, shall be annited to the amount paid by the client for the use whatsoever shall be deemed where unless made in withing and received by Cardinal within 30 days after completion of the applicable tental damages, including without limitation, business interruptions; loss of use, or loss of profits sourced by client, its subsidiaries, services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or or therewise. | iii the lumited to the amount paid by the client for the by Cardinal within 30 days after completion of the app or loss of profits incurred by client, its subsidiaries, con any of the above stated reasons or otherwise. | plicable | |
| | 1120 | | ☐ Yes ☐ No emailed. Please provi | Add'I Phone #: de Email address: |
| | ved By: | | 2:11 to Devon | 02 |
| Sampler - UPS - Bus - Other: Corrected | Corrected Temp. °C 5.1 Sample Condition Cool Intact Corrected Temp. °C No. | CHECKEDBY: Turnaround Time: | me: Standard Rush | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C |

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

| Project Manager: | Chris Jones | | P.O. #: 2081694 | 82 | AN | ANALYSIS REQUEST |
|--|--|---|--|--|--------------------------------|---|
| _ | 2 | | pany: Novo | 9 | | |
| city: Hobbs | State:√√√ Zip: | 0 hr88 | | as . | | |
| Phone #: 575 - 6: | 631 ~6977 Fax #: | | - 1 | | | |
| Project #: 46 | Project Owner: | Devon | City: | | | |
| Project Name: Arc | Arcturus 18 Fed SH | | State: Zip: | | | |
| Project Location: | EDDY COUNTY | | # | | | |
| Sampler Name: M | MARK NEWCOMB | | Fax #: | - | | |
| FOR LAB USE ONLY | | MATRIX | ESERV. | SAMPLING 7 | e | |
| Lab I.D. | Sample I.D. | | ASE: | OH EX STEX | hlorid | |
| MO6230H | | # COI GROU WAST SOIL OIL SLUD | OTHE ACID/ ICE / C OTHE DATE | TIME | C | |
| 118 11 | 131 | | 0 00 | - | - | |
| 615 24 | 1.9-0-611 | | | | | |
| ₹ 51 × | , b. b. | | | | | |
| 15 Sh | 7-31 | | 20 | | | |
| 18 94 | 3-0-6" | 3 1 | | | | |
| 18 5 | 3-2' | | | | | |
| 10 51 | 3-3' | | | | | |
| PLEASE NOTE: Liability and Damages | - 0-611 | 7 | * | F- | 7 | |
| analyses, All claims including those for negligence and any oth service. In no event shall Cardinal be liable for incidental or cor affiliates or successors arising out of or related to the performance. | er cause whatso sequental dama ice of services h | ; envexy or any claim arising whether tassed in contead of lort, shall be limited to the amount paid by the client for the rever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the gas, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries ereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or effectively. | ort, shall be limited to the amount paid ceived by Cardinal within 30 days after of use, or loss of profits incurred by di ased upon any of the above stated near | paid by the client for the after completion of the applicable by client, its subsidiaries. | | |
| Reinquisned by: | Times S. 1. | Received By: | | Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: | ☐ No Add' Please provide Er | Add'l Phone #: de Email address: |
| | Time: | Neceived by: | | REMARKS: Bill | to Devon | 00 |
| Delivered By: (Circle One) Sampler - UPS - Bus - Ot | ne) Observed Temp. °C 3,9 | Sample Condition | CHECKED BY: | | Standard Rush | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C |

Page 68 of 70

Sampler - UPS - Bus - Other:

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Plase email changes to celey.keene@cardinallabsnm.com

Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

| 1_ | (575) 393-2326 FAX (575) 393-2476 | | | |
|---|--|--|---|---|
| Company Name: PIMA E | ENVIROMENTAL | BILL TO | ANALYSIS REQUEST | |
| Project Manager: Chris | JONES | LB 120808 # 20.81 | | - |
| Address: 1601 N. Tu | Turner Ste 500 | Company: DEVON | | |
| | State: Nu Zip: 88240 | Attn: Tom Bynum | 2 | |
| D | 71 | Address: | | |
| Project #: 46 | Project Owner: DEVON | City: | | _ |
| Project Name: Archurus 18 | | State: Zip: | | |
| Project Location: Eddy (| Z | Phone #: | | |
| 1 | Newsomb | Fax #: | | |
| 7 | | | Κ. | |
| FOR LAB USE ONLY | | PRESERV. SAMPLING | E | |
| | (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: DATE | TPH BTEX Chlor | |
| 25 SIH-1, | -0 | 06/18/2 | | |
| | | | | |
| 1-515 55 | 1,90611 | | | |
| | | | | |
| | -10" | | | |
| S | , | | | |
| VEASE NOTE: Liability and Damages, Cardinal's liability | Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount | or tort, shall be limited to the amount paid by the | paid by the client for the | - |
| nalyses. All claims including those for negligence and a ervice. In no event shall Cardinal be liable for incidental filliates or successors arising out of or related to the per | ny other cause whatsoever shall be dee or consequental damages, including wit ormance of services hereunder by Card | nd received by Cardinal within 30 days after comp loss of use, or loss of profits incurred by client, it is based upon any of the above stated reasons o | pleton of the applicable ts subsidiaries, or otherwise. | |
| Relinquished By: | Time 8:12 MAL | denden AII F | Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: | |
| Relinquished By: | Date: Received By: | | REMARKS: | |
| | Time: | | Bill to Devon | |
| Delivered By: (Circle One) | Observed Temp. °C 39 Sample Condition Cool Intact | CHECKED BY: | Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C | |
| | | // // // | | |

Sampler - UPS - Bus - Other; Delivered By: (Circle One)

Observed Temp. °C-Corrected Temp. °C

Sample Condition
Cool Intact
Yes Yes

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

| _ | 575) 393-2326 FAX (575) 393-2476 | | |
|--|--|---|--|
| Company Name: Pi your | a Environmental | BILL TO | ANALYSIS REQUEST |
| Project Manager: Chris | Chris Jones | C8449306 # 0.0.9 | |
| Address: (601 N. 7 | N. Turner Ste 500 | Company: DELOW | |
| city: Hobbs | State: NW Zip: 88240 | Attn: Tom Bynum | |
| Phone #: 575-631-6977 Fax #: | 6977 Fax#: | Address: | |
| Project#: 46 | Project Owner: DQLOM | City: | |
| Project Name: MYCHUCUS 18 Fed SH | rus 18 Fed SH | State: Zip: | |
| Project Location: Eddy | County | #: | |
| Sampler Name: WARK Newcourb | · Newcomb | Fax #: | e |
| FOR LAB USE ONLY | | PRESERV. SAMPLING | |
| Lab I.D. Sample | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: | TPHEX BTEX Chlori |
| - 915 la | c | | |
| Department of the second of th | | | |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and analyses. All lability including those for negligence and any of service. In no event shall Cardinal be liable for incidental or conditions or successors arising out of or related to the performance. Relinquished By: | I client's exclusive remedy for her cause whatsoever shall be there are whatsoever shall be insequental damages, including nose of services hereunder by Date: | any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the deemed waked unless made in writing and received by Cardinal within 30 days after completion of the application of the policy without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries. Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Verbal Results are | by the client for the completion of the applicable fent. Its subsidiaries. Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: Received By: | REMARKS: | Ail to Devon |
| | | 0 | |

Thermometer ID #113 Correction Factor None Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

Corrected Temp. °C

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 199271

CONDITIONS

| Operator: | OGRID: |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 199271 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| E | | Condition | Condition Date |
|---|-------|--|-------------------|
| | bhall | Site must meet the requirements of 19.15.29.13 NMAC at time of plugging and abandonment. | 4/10/2023 |