### **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 <b>not</b> 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.	tical extents of soil							
Characterization Report Checklist: Each of the following items must be included in the report.								
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li>Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> <li>Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>Boring or excavation logs</li> </ul>								

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.

. Released to Imaging: 12/9/2022 7:18:34 AM

Photographs including date and GIS information

☐ Laboratory data including chain of custody

Topographic/Aerial maps

Received by OCD: 12/3/2022 7:51:2634M1 State of New Mexico Page 2 Oil Conservation Division

Page 240ff 02

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

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the C failed to adequately investigate and remediate contamination that pose a thre addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	fications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Wes Mathews	_ <sub>Title:</sub> EHS Professional
Signature: Wesley Mathews	Date: 12/6/2022
email: wesley.mathews@dvn.com	_Telephone: <u>575-513-8608</u>
OCD Only	
Received by:	Date:

Page 3 (of 1 02

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	ems must be included in the closure report.								
	NMAC								
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)									
☐ 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 should their operations have failed to adequately investigate and remolehuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the concaccordance with 19.15.29.13 NMAC including notification to the OC	ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.								
Printed Name: Wes Mathews									
Signature: Wesley Mathews	_ Date:								
email: wesley.mathews@dvn.com	_Telephone: 575-513-8608								
OCD Only									
Received by:	Date:								
remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/or	of liability should their operations have failed to adequately investigate and rater, human health, or the environment nor does not relieve the responsible r regulations.								
Closure Approved by: Hall	Date: 12/9/2022								



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	100 mg/kg		50 mg/kg	10 mg/kg					
<b>51-100'</b> (C 01907 POD1)	10,000 mg/kg	2,500 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')													
Devon Energy - Arcturus 18 Fed 5H													
Date 8-31-20	Date 8-31-20 NM Approved Laboratory Results												
	Depth	BTEX											
Sample ID	(BGS)	mg/kg											
S1	0-6"	ND	ND	ND	ND	ND	0	48					
	0-6"	ND	ND	ND	ND	ND	ND	112					
<b>S</b> 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					
<b>S</b> 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					
<b>S4</b>	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					
<b>S</b> 5	1'	ND	ND	ND	ND	ND	0	48					
35	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					
<b>S</b> 6	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					
<b>S7</b>	1'	ND	ND	ND	ND	ND	0	64					
3,	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					
\$8	1'	ND	ND	ND	ND	ND	0	16					
36	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

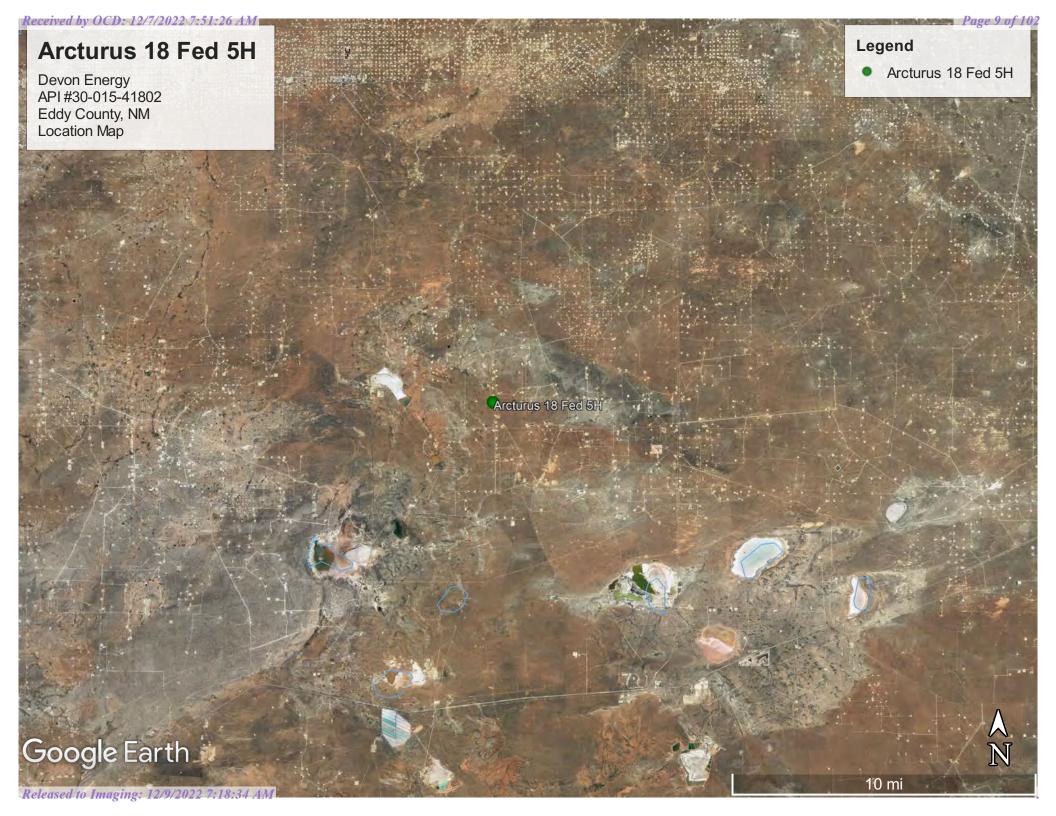
Appendix C- C-141 Form

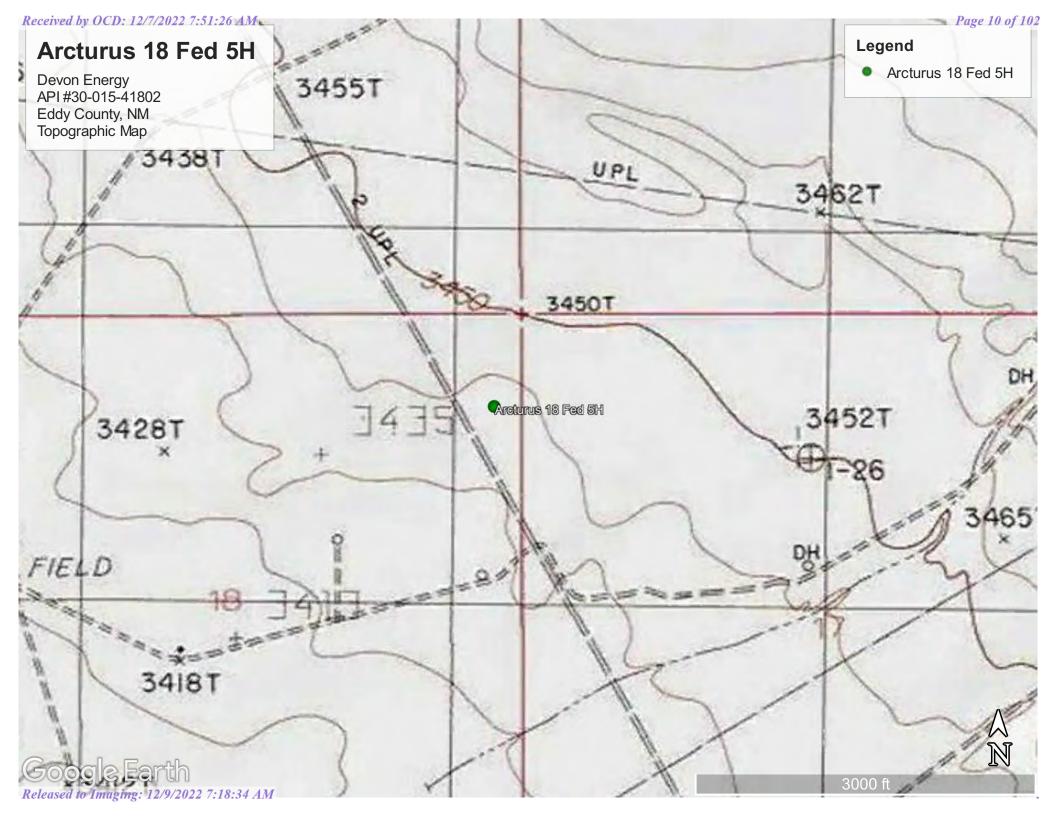
**Appendix D- Laboratory Reports** 

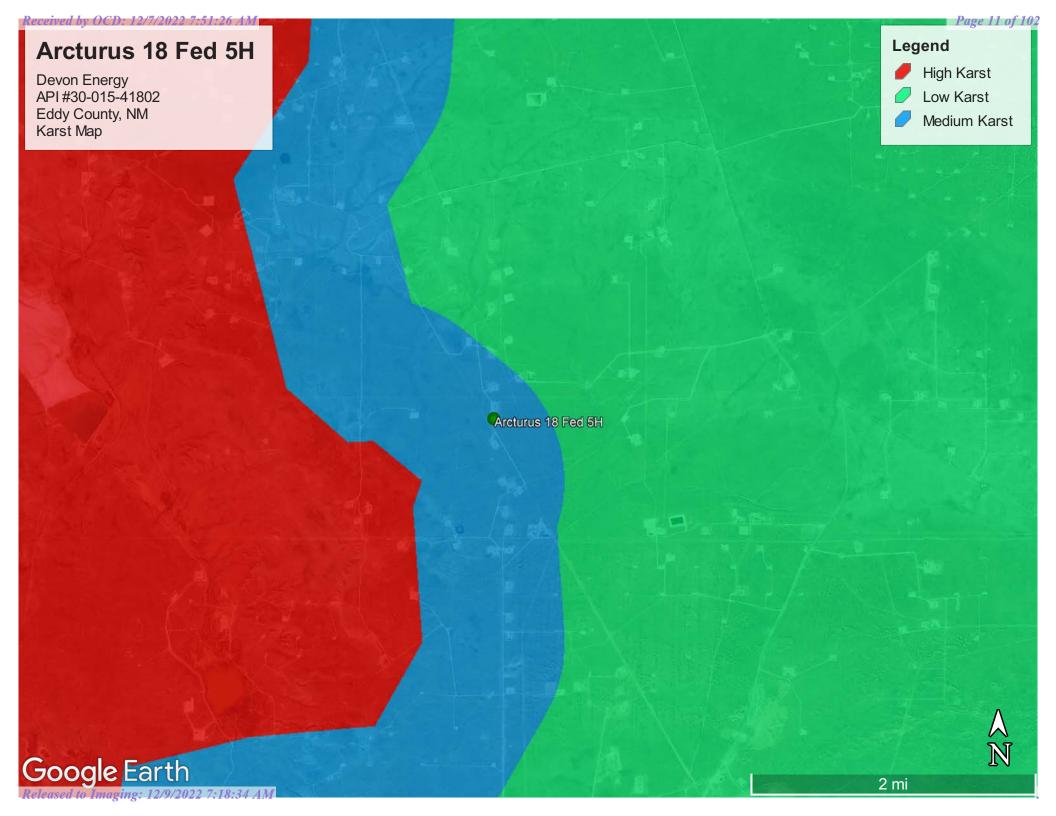


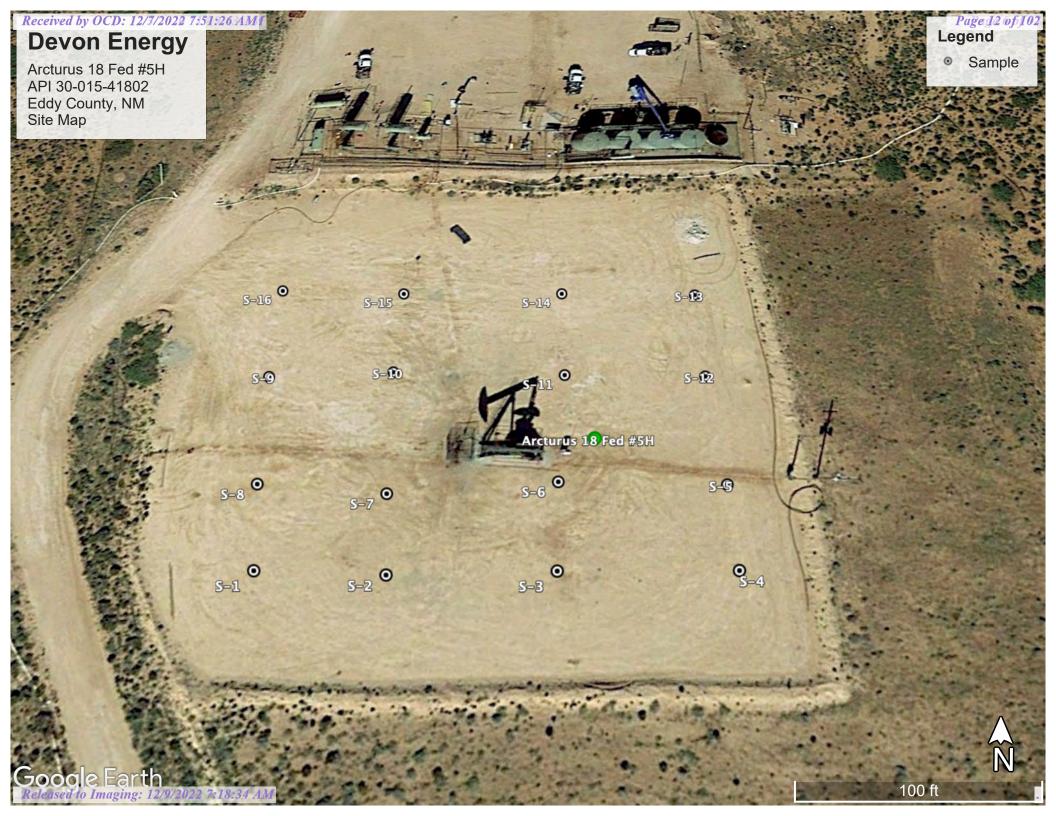
### Figures:

- 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								•	Water
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDe	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



NA

### 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 Q16 Q4 Sec Tws Rng

X Y

2 2 18 19S 31E 603017

3614737

Driller License: 1249 Driller Company: ATKINS ENGINEERING ASSOC. INC.

**Driller Name:** JACKIE ATKINS

CP 01907 POD1

Drill Start Date:07/13/2022Drill Finish Date:07/13/2022Plug Date:Log File Date:08/11/2022PCW Rcv Date:Source:

Pump Type: Pipe Discharge Size: Estimated Yield: Casing Size: Depth Well: Depth Water:

Casing Perforations: Top Bottom
0 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, usability, or suitability for any particular purpose of the data.

12/6/22 1:21 PM POINT OF DIVERSION SUMMARY



# WELL RECORD & LOG

### OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

L	POD 1 (TW WELL OWNER			N/A		CP-1907 PHONE (OPTION	ONAL)			
	Devon Energ					575-748-183				
	WELL OWNER 6488 7 Rive					CITY Artesia		STATE NM 8	8210	ZIP
Ī	WELL	LAT	D		onds 5.76 N	* ACCURACY	REQUIRED: ONE TENT	H OF A SECON	√D	
	(FROM GPS)	LO	NGITUDE	103 54 4	.95 W	* DATUM REG	QUIRED: WGS 84			
1			NG WELL LOCATION TO 19S R31S NMPM	O STREET ADDRESS AND COMMON LAND	MARKS – PLS	SS (SECTION, TO	WNSHJIP, RANGE) WHE	RE AVAILABI	LE	
Ī	LICENSE NO.		NAME OF LICENSEI	D DRILLER Jackie D. Atkins			NAME OF WELL DRIL Atkins Engir			nc.
-	DRILLING STA		DRILLING ENDED 7/13/2022	DEPTH OF COMPLETED WELL (FT) Temporary Well		LE DEPTH (FT) ±55	DEPTH WATER FIRST	N/A	RED (FT)	
r	COMPLETED	WELL IS:	ARTESIAN	7 DRY HOLE SHALLOW (UNC	CONFINED)		WATER LEVEL PLETED WELL N/A			MEASURE 7/1/202
r	DRILLING FLU	JID:	_ AIR	MUD ADDITIVES – SP	PECIFY:					
	DRILLING ME	тнор:	ROTARY HAM	MER CABLE TOOL OTHER - SP	PECIFY: I	Hollow Stem .	Auger CHECK I	ERE IF PITLE ED	SS ADAP	TER IS
	DEPTH (1	reet bgl)	BORE HOLE DIAM	CASING MATERIAL AND/OR GRADE (include each casing string, and	CON	ASING NECTION	CASING INSIDE DIAM.	THICKN	ASING WALL STHICKNESS S	
L	(inches)			note sections of screen)	(add coup	TYPE ling diameter)	(inches)	(inche	- Control 2000	
1	0	55	±6.5	Boring-HSA						
F					14					
H										
-	-		4 /							
ŀ										
	DEPTH (1	eet bgl)	BORE HOLE	LIST ANNULAR SEAL M			AMOUNT		METHO	
-	FROM	то	DIAM. (inches)	GRAVEL PACK SIZE-RANG	GE BY INTI	ERVAL	(cubic feet)	P	LACEM	IENI
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1			+				Local Two	22 2044	41-	-
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ŀ										
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E	NO. CF	-19	07.704	POD NO.	1	TRN	NO. 7261	67		

FROM TO (feet) INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES BEARING? WATER-  (attach supplemental sheets to fully describe all units) (YES / NO) BEARING	DEPTH	(feet bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATED
TO NOT THE UNDERSTAND DO DOT DOT DOT DOT DOT DOT DOT DOT DOT	FROM	то		INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES	BEARING?	YIELD FOR WATER- BEARING ZONES (gpm)
THE UNDESCRIGHED HEREBY CERTIFIES THAT. TO THE BEST OF HIS OR HER KNOWLEGGE AND BELIEF, THE FOREGOING IS A TRUE AS AND THE PREMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL CONSTRUCTION OTHER THAN LICENSIS Shane Eldridge, Cameron Pruit  THE UNDESCRIGHED HEREBY CERTIFIES THAT. TO THE BEST OF HIS OR HER KNOWLEGGE AND BELIEF, THE FOREGOING IS A TRUE AS AND THE PREMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL ONSTRUCTION OTHER THAN LICENSIS SIGNATURE OF DRILLER / PRINT SIGNEE NAME   DATE  POR OSE INTERNAL USE  WELL RECORD & LOG (Version 01/28/20 MELD Akkins	0	29	29	Sand, Medium/ Fine grained, poorly graded, Light brown	Y ✓N	
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TOTAL ESTIMATE YELLO OF WATER-BEARING STRATA:    DATE	44	55	11	Sand, Medium/ Fine grained, poorly graded, Light brown	Y ✓N	
DOUBLE TO SETIMATE YIELD OF WATER-BEARING STRATA:    METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:   METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:   METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:   METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:   METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:   MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten fe below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.    MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten fe below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.    PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSI Shame Eldridge, Cameron Pruitt    THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AT CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINE AND THE PREMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:   Jack After   Jack   Jack					Y N	
DOUGHOUT TO STIMATE YIELD OF WATER-BEARING STRATA:					Y N	
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WELL TEST  TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.  MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten fe below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.  PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSI Shane Eldridge, Cameron Pruitt  THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AIR AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  Jack Atkins  Jackie D. Atkins  8/4/2022  SIGNATURE OF DRILLER / PRINT SIGNEE NAME  DATE  FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 01/28/20)	WEI	1			Y N	
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LOCATION 9.31.18.422 WELL TAG ID NO. PAGE 2 OF		-145		100000	72616	PAGE 2 OF 2



USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

USGS Water Resources

Data Category: Geographic Area:

Groundwater

Data Category: Geographic Ai		
Groundwater ✓ United State	es 🗸 (	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

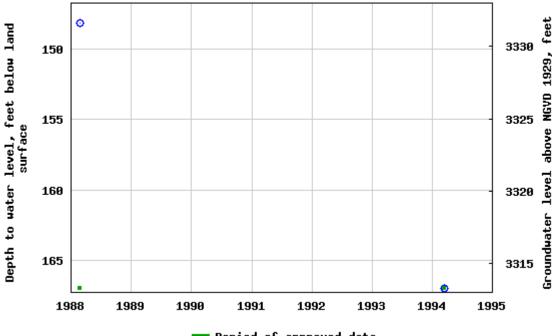
#### USGS 323810103511401 19S.31E.27.214121

Available data for this site	Groundwater:	Field measurements	<b>∨</b> GO	
Eddy County, New Mexico				
Hydrologic Unit Code 1306	0011			
Latitude 32°38'10", Longil	ude 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 th	ie Other aq	uifers (N9999OTh	HER) national aquif	er.
This well is completed in the	ie Santa Ro	sa Sandstone (23	B1SNRS) local aqui	fer.

#### **Output formats**

Table of data	
<u>Tab-separated data</u>	
Graph of data	
Reselect period	

#### USGS 323810103511401 195.31E.27.214121



- Period of approved data

Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> **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

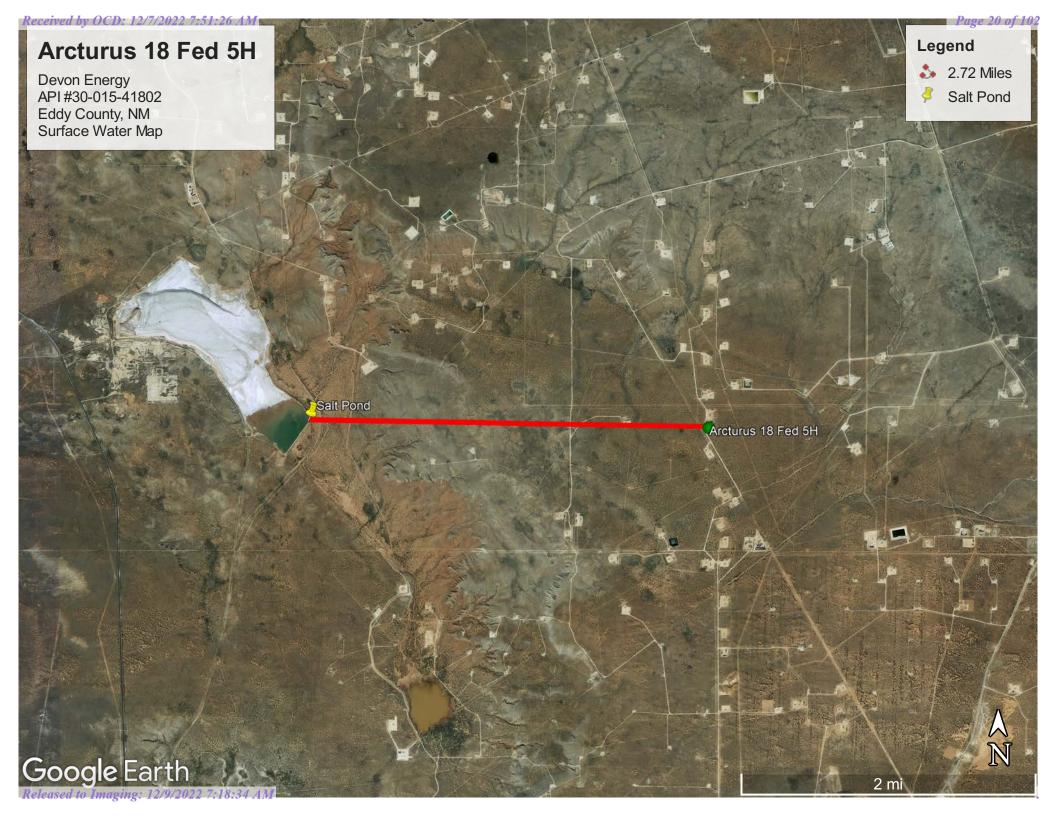
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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)

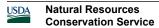
Sodium adsorption ratio, maximum: 1.0

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





Legend

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 FLOOD HAZARD 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 Jurisdiction Boundary — --- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate

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

point selected by the user and does not represent

an authoritative property location.

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.

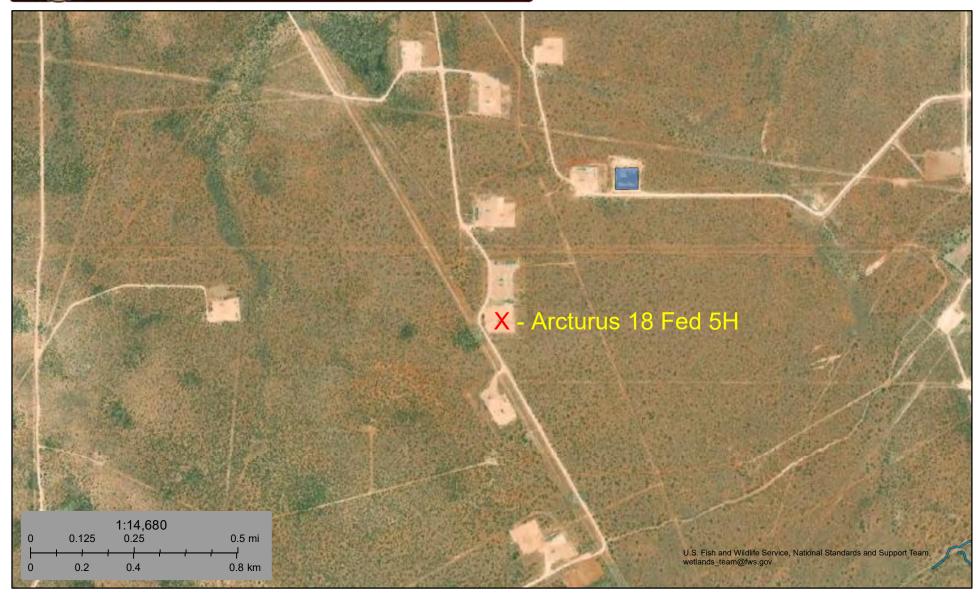
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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



2.000



### Wetlands Map



December 6, 2022

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

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

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 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**

NAB 1513 157.754	OPERATOR   Initial Report   Final Report							
Name of Company Devon Energy Production [0]37	Contact Rudy Zuniga, Production Foreman							
Address 6488 Seven Rivers Hwy Artesia, NM 88220	<b>Telephone No.</b> 575-390-5435							
Facility Name Arcturus 18 Fed 5H	Facility Type Oil							
Surface Owner Federal Mineral Own	ner Federal API No. 30-015-41802							
LOCATI	ON OF RELEASE							
	orth/South Line   Feet from the   East/West Line   County							
A 18 19S 31E 845	FNL 250 FEL Eddy							
<b>Latitude:</b> 32.6653332'N	Longitude: 103.9008789'W							
NATUE	RE 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?							
✓ Yes ☐ No ☐ Not Requir								
Du Whom 2 Lang Smith Aget Day desting Eggener	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							
16 - 17 4								
If a Watercourse was Impacted, Describe Fully.* N/A								
	that the Arcturus 18 Fed 5H was leaking from the well head, upon Lease Operator's vashed 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. Le contaminated dirt will be removed from location and replaced with from the contained of th	egendary Trucking recovered all 20bbls of oil and produced water mix and the esh dirt.							
regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report be should their operations have failed to adequately investigate and reme	to the best of my knowledge and understand that pursuant to NMOCD rules and use notifications and perform corrective actions for releases which may endanger by the NMOCD marked as "Final Report" does not relieve the operator of liability ediate contamination that pose a threat to ground water, surface water, human health port does not relieve the operator of responsibility for compliance with any other							
Signature: Sheila Fisher	OIL CONSERVATION DIVISION							
Printed Name: Sheila Fisher	Approved by Environmental Specialist:							
Title: Field Admin Support	Approval Date: 51115 Expiration Date: NH							
E-mail Address: Sheila.Fisher@dvn.com	Conditions of Approval:							
Date: Phone: 575.748.1829	conditions of Approval:  :mediation per O.C.D. Rules & Guideline & ttached  :mediation per O.C.D. Rules & Guideline & ttached							
Attach Additional Sheets If Necessary	ATER THAN: 11/2/15 2RP-1998							

### **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 <b>not</b> 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 vercontamination 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.	
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> <li>Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> </ul>	ls.
Boring or excavation logs	

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.

. Released to Imaging: 12/9/2022 7:18:34 AM

Photographs including date and GIS information

☐ Laboratory data including chain of custody

Topographic/Aerial maps

Received by OCD: 12/3/2022 7:51:2634M1 State of New Mexico
Page 2 Oil Conservation Division

Page 2940f 102

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

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release noti public health or the environment. The acceptance of a C-141 report by the C failed to adequately investigate and remediate contamination that pose a thre addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
Printed Name: Wes Mathews	Title: EHS Professional
Signature: Wesley Mathews	Date: 12/6/2022
email: wesley.mathews@dvn.com	Telephone: <u>575-513-8608</u>
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)	of 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 should their operations have failed to adequately investigate and reme human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the concaccordance with 19.15.29.13 NMAC including notification to the OC	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 CD when reclamation and re-vegetation are complete.
Printed Name: Wes Mathews	Title: EHS Professional
Signature: Wesley Mathews	Date:12/6/2022
email: wesley.mathews@dvn.com	_Telephone: <u>575-513-8608</u>
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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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 %	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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	133 9	% 42.2-15	6						

Analyzed By me

#### Cardinal Laboratories \*=Accredited Analyte

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Celeg & 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: 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	% 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	112	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	127	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	136	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

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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: 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	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	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						

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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

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 - 2' (H002305-04)

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	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 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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	148 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

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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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: 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 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	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	4						
Surrogate: 1-Chlorooctadecane	130 9	% 42.2-15	6						

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\*=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

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	% 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*	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	139	% 42.2-15	6						

#### **Cardinal Laboratories**

\*=Accredited Analyte

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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

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 - 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 %	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	<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 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	130 %	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

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	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	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	09/01/2020	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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\*=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: 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	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	118 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	131 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: S4 - 1' (H002305-11)

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	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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#### 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 - 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	% 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	125	% 44.3-14	4						
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

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 - 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 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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	136 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: S5 - 0-6" (H002305-14)

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	09/01/2020	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	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	123	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	133	% 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

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: S5 - 1' (H002305-15)

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	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	138	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	151	% 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: S5 - 2' (H002305-16)

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	1.96	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, 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	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	128	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	140	% 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: S5 - 3' (H002305-17)

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	% 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	127	% 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

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 - 0-6" (H002305-18)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150	Reporting Limit 0.050 0.050 0.050	Analyzed 09/02/2020 09/02/2020	Method Blank ND	BS 1.96	% Recovery 97.8	True Value QC	RPD	Qualifier
<0.050 <0.050	0.050			1.96	97.8	2.00		
<0.050		09/02/2020				2.00	1.47	
	0.050		ND	1.97	98.3	2.00	0.895	
<0.150	0.050	09/02/2020	ND	1.92	95.9	2.00	0.956	
	0.150	09/02/2020	ND	5.93	98.8	6.00	0.879	
<0.300	0.300	09/02/2020	ND					
110 9	73.3-12	9						
mg/	'kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
2360	16.0	09/02/2020	ND	400	100	400	3.92	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/01/2020	ND	214	107	200	0.909	
<10.0	10.0	09/01/2020	ND	227	113	200	1.28	
<10.0	10.0	09/01/2020	ND					
124 9	% 44.3-14	4						
136	% 42.2-15	5						
	<0.300  110 9  mg/ Result  2360  mg/ Result  <10.0  <10.0  124 9	<0.300 110 % 73.3-129 mg/kg Result Reporting Limit 2360 16.0 mg/kg Result Reporting Limit <10.0 <10.0 <10.0 <10.0 <10.0 124 % 44.3-14-4	<0.300       0.300       09/02/2020         110 %       73.3-129         Result       Reporting Limit       Analyzed         2360       16.0       09/02/2020         mg/kg       Analyzed         Result       Reporting Limit       Analyzed         <10.0	<0.300       09/02/2020       ND         110 %       73.3-129         mg/ky       Analyzed By: GM         Result Reporting Limit Analyzed By: MS         Result Reporting Limit Analyzed Method Blank         <10.0	<0.300       09/02/2020       ND         110 %       73.3-129         mg/ky       Analyzed By: GM         Result Reporting Limit Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS         <10.0	<0.300       09/02/2020       ND         110 % 73.3-129         mg/kg       Analyzed By: GM         Result Reporting Limit Analyzed By: MS       % Recovery         Result Reporting Limit Analyzed Method Blank BS % Recovery         <10.0	< 0.300       09/02/2020       ND         110 % 73.3-129         mg/ky       Analyzed By: GM         Result Reporting Limit Analyzed Method Blank BS       % Recovery Mecovery True Value QC         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC         <10.0	< 0.300       09/02/2020       ND         110 ⅓ 73.3-129         mg/kg       Analyzed By: GM         Result Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD         2360   16.0   09/02/2020   ND   400   100   400   3.92         mg/kg   Analyzed By: MS         Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD         <10.0   10.0   09/01/2020   ND   214   107   200   0.909

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: S6 - 1' (H002305-19)

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	% 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	144	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	133	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	144	% 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: S6 - 2' (H002305-20)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	09/02/2020	ND	1.96	97.8	2.00	1.47	
<0.050	0.050	09/02/2020	ND	1.97	98.3	2.00	0.895	
<0.050	0.050	09/02/2020	ND	1.92	95.9	2.00	0.956	
<0.150	0.150	09/02/2020	ND	5.93	98.8	6.00	0.879	
<0.300	0.300	09/02/2020	ND					
109 9	% 73.3-12	9						
mg/	'kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
112	16.0	09/02/2020	ND	400	100	400	3.92	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/01/2020	ND	214	107	200	0.909	
<10.0	10.0	09/01/2020	ND	227	113	200	1.28	
<10.0	10.0	09/01/2020	ND					
128 9	% 44.3-14	4						
141 9	% 42.2-15	6						
-	<0.050 <0.050 <0.050 <0.150 <0.300  109 9 mg/ Result 112 mg/ Result <10.0 <10.0 <10.0	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 T3.3-12 mg/kg Result Reporting Limit 112 16.0 mg/kg Result Reporting Limit  10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td>&lt;0.050</td> 0.050       09/02/2020         <0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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

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)

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	1.96	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	% 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	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						

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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 - 0-6" (H002305-22)

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 %	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	208	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	139 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	150 %	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: 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	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	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	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)

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	132	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	144	% 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

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	14						
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

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

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	96.0	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	112 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	118 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

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 - 1' (H002305-27)

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	94.9	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	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	4						
Surrogate: 1-Chlorooctadecane	136	% 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: 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 9	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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	143	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: S8 - 3' (H002305-29)

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	<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	14						
Surrogate: 1-Chlorooctadecane	149	% 42.2-15	6						

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Celey D. Kreine

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

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	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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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: 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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Celeg & 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

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: 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 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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	138 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

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 - 3' (H002305-33)

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	139	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	146	% 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: S10 - 0-6" (H002305-34)

RTFY 8021R

B1EX 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	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	142	% 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: 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, SM4500CI-B	mg/	kg	Analyzed 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

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

RTFY 8021R

Result <0.050	Reporting Limit 0.050	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	O
	0.050			50	70 Recovery	True value QC	KPD	Qualifier
	0.030	09/02/2020	ND	1.90	94.9	2.00	7.76	
<0.050	0.050	09/02/2020	ND	1.89	94.5	2.00	8.25	
<0.050	0.050	09/02/2020	ND	1.88	93.8	2.00	8.05	
<0.150	0.150	09/02/2020	ND	5.82	97.0	6.00	6.94	
<0.300	0.300	09/02/2020	ND					
110 9	% 73.3-12	9						
mg/	'kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
256	16.0	09/02/2020	ND	432	108	400	7.69	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/02/2020	ND	164	82.0	200	7.76	
<10.0	10.0	09/02/2020	ND	168	84.0	200	5.47	
<10.0	10.0	09/02/2020	ND					
141 9	% 44.3-14	4						
148 9	% 42.2-15	6						
	<0.050 <0.050 <0.150 <0.300  110 9  mg/  Result 256  mg/  Result <10.0 <10.0 <10.0	<0.050 <0.050 <0.050 <0.150 <0.300 110 % 73.3-12 mg/kg Result Reporting Limit 256 16.0 mg/kg Result Reporting Limit <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <44.3-14	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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

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: S10 - 3' (H002305-37)

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	111	% 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	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	144	% 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

ARCTURUS 18 FED 5H

ma/ka

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

RTFY 8021R

B1EX 8021B	mg	<sup>и</sup> кд	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	Analyze	ed 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	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*	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	153	% 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

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 - 1' (H002305-39)

RTFY 8021R

BIEX 8021B	mg,	кg	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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed 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	% 44.3-14	4						
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

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

BIEX 8021B	mg	<sup>и</sup> кд	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	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	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	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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### 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, SM4500Cl-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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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

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: S12 - 1' (H002305-43)

RTFY 8021R

BIEX 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	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						

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: S12 - 2' (H002305-44)

RTFY 8021R

BIEX 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	102	% 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	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	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	127 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	146	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

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- 0-6" (H002305-46)

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	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	135	% 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

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	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	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

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- 3' (H002305-49)

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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	144 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

ARCTURUS 18 FED 5H

Project Name: 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, SM4500Cl-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						

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

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	Analyzed 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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Celey D. Keine

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

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	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	% 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	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	123	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	134	% 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: 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

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

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	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, 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	% 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

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

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	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	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	4						
Surrogate: 1-Chlorooctadecane	124	% 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: 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	% 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	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	135	% 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: S16- 0-6" (H002305-58)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	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, 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	% 42.2-15	6						

Analyzed By: MC

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: S16- 1' (H002305-59)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	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	94.8	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	14						
Surrogate: 1-Chlorooctadecane	134	% 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: S16- 2' (H002305-60)

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	109	% 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	128	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	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	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	110	% 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	80.0	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	09/01/2020	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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Relinquished By:

Received By:

REMARKS:

Bill TO Devois

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

Observed Temp. °C - 3.9

Corrected Temp. °C

Cook Intact
Yes Yes Sample Condition

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

Thermometer ID #113 Correction Factor None

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



2		
Company Name: Pima Chviromental	BILL TO	ANALYSIS REQUEST
Project Manager: Chris Jones	P.O. # 20869482	- 1
Address: 1601 N. Turner Ste 500	Com	
City: Hobbs State: //M Zip: 88240	02488	
#: 575-631-6977		
Project #: 46 Project Owner: Devon		
returns 18		
Project Location: EDDY County	#	
Sampler Name: MARK NEWCOMB	Fax #:	
FOR LABUSE ONLY	MATRIX PRESERV. SAMPLING	X7
Lab I.D. Sample I.D. 5 HD02304  (G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME	TPH E. BTEX Chlorid
51-0-6"	2/3/3/20	
x /3 / 3/		
8 53 - 7'		
9 53-3'		
10 54-0-6"	\- A	1

Verbal Result: ☐ Yes ☐ No Adu i riione m.
All Results are emailed. Please provide Email address:

Relinquished By:

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

Observed Temp. °C - 3.9

Time:

Received By:

REMARKS:

Bill to DEVON

Standard Rush

Observed Temp. °C Corrected Temp. °C

Corrected Temp. °C

Cool mtact Sample Condition

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

(0.0) 000 100 (0.0) 000-2410	000		
Company Name: Piwa ENVICOMENTAL	ful	BILL TO	ANALYSIS REQUEST
Project Manager: Chris Jones		LB469806:#.0.9	- 1
0		Company: Deupl	
City: Abbbs State:	OH688 :0	Attn: Your Byrum	
-631-6977		Address:	
Project #: 46 Project (	Devor	City:	
Project Name: Arcturus 18 Fed SH		State: Zip:	
Project Location: Eddy County		Phone #:	
Sampler Name: MARK Newcomb		Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : BATE TIME	TPH EX BTEX Chlorid
18-18-18-18-18-18-18-18-18-18-18-18-18-1	- c	CS CS	
10 88 - 7' 10 88 - 1' 10 88 - 1'			
10-0-08			
12 - 015 12	<b>\</b>	16-950	1

Thermometer ID #113
Correction Factor None Turnaround Time: Verbal Result: ☐ Yes ☐ No Add'I Phone #:
All Results are emailed. Please provide Email address:

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

impany Name: PIWA ENVIOUMENTAL	<u>x</u>	BILL TO	ANALYSIS REQUEST
roject Manager: Chris Jones		TB 1291808 :# :0.9	- 1
iddress: 1601 N. Turner St	e 500	Company: DEVON	
ity: Hobbs state: NIV	046	Attn: Tom Byrum	<i>h</i>
-631-6977 F		Address:	
roject #: 4(6 Project Own	Project Owner: Devon	City:	
returns 18		State: Zip:	
roject Location: Eddy County		#:	
ampler Name: MARK Newcomb		Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	7
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TAH EX BTEX Chlorid
21 S6-3' 22 S7-0-6"		8/31/20	
-			
59 - 0 - 6 nd Damages. Cardinal's liability and cil ng those for negligence and any other ardinal be liable for incidental or conse	save remedy for any claim arising whether based in contract or absorver shall be deemed waived unless made in writing and n arranges, including without firntation, business interruptions, too	ent's exclusive remody for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the a squeetal damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client its sub-distinct	client for the explicable exchanges
	3	Menson AIR	Verbal Résult: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:
	Received By:	REM	Bill to Devon
elivered By: (Circle One)  Observed Temp. °C - 5, 9  ampler - UPS - Bus - Other:  Corrected Temp. °C	Sample Condition Cool Intact After After No No	CHECKED BY:	S
† Cardinal c	Cardinal cannot accept verbal changes hease email changes to celou known and accept verbal changes to celou known accept the control of the c	1	

Relinquished By:

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Sample Condition
Cool Intact
Yes Yes
No No

Turnaround Time: Thermometer ID #113 Correction Factor None

Devon

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp.

Observed Temp, °C Corrected Temp. °C

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

Observed Temp. °C - 3.4

Time:

Received By:

All Results are emailed. Please provide Email address:

Verbal Result:

□ Yes

O No

Add'I Phone #:

Delivered By: (Circle One)

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(3/3) 333-2320 FAX (3/3) 393-24/6	4/6	
Company Name: Pfyna ENvironental	BILL TO	ANALYSIS REQUEST
Project Manager: Chris Jones	P.O. #: 0	- 1
Address: 1601 N. TRYNER Ste 500		
City: Habbs State: NM	04688	
Phone #: 575 - 631 - 6977 Fax #:		
Project #: 4 6 Project Owner	Devon	
Project Name: Arcturus 18 FED SH		
Project Location: Eddy County	Phone #:	
Sampler Name: WANK Newcomb	Fax#:	
	MATRIX PRESERV SAMPLING	
Lab I.D. Sample I.D.	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER;	TPH EX BTEX Chloride
1-65 15	1 8/3/20	
5-15 66		
1,9-0-015 15		
35 510 -1'		
36 510 -01		
37 510 - 31		
36 511 - 0-6"		
39 511 - 11		
10 211 12	10 511 -2'	

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

Corrected Temp. °C

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### 101 East Marland, Hobbs, NM 88240

1-	(3/3) 333-2320 FAA (3/3) 333-24/6			
JWE	CNVI COMENTA!	BILL TO	ANALYSIS REQUEST	-
chris	Jones	LBH69806:#.0.9	- 1	7
Z	Turner Ste SOO	Company: DEVON		
city: Hobbs	State: NM Zip: 88340	Attn: Tom Bynun		
Phone #: 575-631-6977	-			
Project #: 46	Project Owner: Devon	City:		
Project Name: Archurus 18	Fed SH	State: Zip:		
Project Location: EDDY (	CORNE	#		
Sampler Name: MACK	Newcomb	Fax#:		
٦	MATRIX	7070	-	
	WATER	- 6	TEX lorid	
H00230H	# CONTA GROUN WASTEN SOIL OIL	SLUDGE OTHER ACID/BA ICE / CO OTHER: DATE TIME	TP	
4 5/1-3/		8/31/20		
16/5	`(			
1-815 th				
5-512-3		37.		
40 S13-1	,6			
48 5/3-2				
115	110	<b>H</b>	4	
manyses. All claims including those for negligence and any ob- tervice. In no event shall Cardinal be liable for incidental or cor filliates or successors arising out of or related to the performan	er ca sequ	of or tort, shall be limited to the amount paid by the client to not received by Cardinal within 30 days after completion of I, bas of tree, or loss of profits incurred by client, its authodius n is based upon any of the above stated reasons or otherw	or the implicable from the policies of the applicable from the policies of the	L
Relinquished By:	Time 5:12 1000 A		Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	
	Time:		Bill to Devon	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C - 5,4 Sample Condition Cool Intact Corrected Temp. °C	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition  Cool Intact Observed 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

	(575) 393-2326 FAX (575) 393-2476	2476			
Company Name:	PINCA ENVIRONMENTAL		BILL TO	ANALYSIS REQUEST	
Project Manager:	Chris		LB 120808 :# .0.7		
Address: 1601	N. 1		Company: DEVON		
city: Hobbs		State: NW Zip: 88240	Attn: Tow BYNUM		
Phone #: 575	-631-6977F		Address:		_
Project #: 46	Project Owner:	Deron	City:		
Project Name:	Project Name: Archurus 18 Fed 5H		State: Zip:		
Project Location:	Eddy County		Phone #:		
Sampler Name:	MATE NEWGONS		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	Ex	
Lab I.D. 1002304	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	10000	
<u>52</u> 51	(A) 1 - A 1 (A)	-0	\$/31/20		
47	119-0-15				
25	515-1,				
22	18-318				
200	516-0-6"				
NEASE NOTE: Liability and	ges, Cardinal's liability and client's exclusion regiligence and any other cause who	She remedy for any claim arising whether based in contract or tort, shall be its oever shall be deemed waived unless made in writing and received by Ca	tort, shall be limited to the amount paid by the client for the eceived by Cardinal within 30 days after completion of the a	ant for the north the applicable	
Relinquished By:	W: Particle to the performance of services hereunder by W: Time 4:11	Cardinal, regardless of whether such claim is Received By:	hased upon any of the above stated reasons or of Verba  Verba  All Ree	verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	
Relinquished By:	Date: Time:	Received By:	REMARKS	Bill to Devon	
Delivered By: (Circle One)	cle One) Observed Temp. °C _ 3.9		CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition  Rush Cool Intact Observed Temp. °C	
Sampler - UPS - Bus - Other:	us - Other: Corrected Temp. °C		W	□ Yes □ Yes	

### 101 East Marland, Hobbs, NM 88240

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FA	575) 393-2326 FAX (575) 393-2476		
Company Name: Pima EN	ENVIROMENTAL	BILL TO	ANALYSIS REQUEST
		C8469806#00	
Address: 1601 N. Turner	Ste 500	Company: DEVON	
city: Hobbs	0 888	7	
#	7 Fax #: Address	ess:	
Project#: 46	Project Owner: DQLON City:		
Project Name: MYCHUCUS 18 Fed SH		e: Zip:	
Project Location: Eddy Cou		#:	
Sampler Name: WASK NO	would Fax#	#:	0
Campion manner of the state of	MATRIX	BESSEN SAMPLING	10
Lab I.D. Sample I.D.	CONTAINERS ROUNDWATER PASTEWATER DIL LUDGE THER:	THER:	IPH EXT BTEX Chloric
6 SI6-31	# CO	1 8/81/20	111
PLEASE NOTE: Liability and Damages. Cardinal's liability and cli- analyses. All claims including those for negligence and any other service, in no event stanic Cardinal be liable for including control service, in no event stanic Cardinal be liable for included at the cardinal or consequences of the cardinal of the ca	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including 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 analyses. In no event shall Cardinal be faible for incidental or consequent admands, including whose for incidental or consequent admands, including whose interruptions, loss of tase, or loss of profits incurred by client, its subsidiates, afficient or successful and a cardinal be faible for incidental or consequent admands.	all be limited to the amount paid by the client for the by Cardinal within 30 days after completion of the c, or loss of the office incurred by client, its substitutes of the office incurred by client.	e applicable .
Relinquished By:	Date: 110 Received By:	Verbal Results are	Verbal Result:
Relinquished By:	Date: Received By:	REMARKS:	I to bever
Delivered By: (Circle One)  Sampler - UPS - Bus - Other: Co	Observed Temp. °C-3,9 Sample Condition Coorected Temp. °C  Lyes Pyes	CHECKED BY: Turnaround Time:  Officials  Thermometer ID #113	Time: Standard

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 164708

### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	164708
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Create	d Condition	Condition
Ву		Date
bhall	The site must meet the requirements in 19.15.29.13 NMAC at time of plugging and abandonment.	12/9/2022