Site Assessment/Characterization

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

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

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.

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

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

73		_		C 4	0.3
	an.	0)	α	r /	
	451		$-\boldsymbol{v}_{I}$		<i>U 24</i>

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

	otifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name: Dale Woodall	Title: EHS Consultant
Printed Name: Dale Woodall Signature: Dale Woodall	Date: 1/3/2023
email: dale.woodall@dvn.com	
OCD Only Received by: Jocelyn Harimon	Date:03/21/2023

Page 3 of 102

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

Closure

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

Closure Report Attachment Checklist: Each of the following item	ns must be incluaea in the closure report.
	NMAC
Photographs of the remediated site prior to backfill or photos of must be notified 2 days prior to liner inspection)	the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC I	District office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
I hereby certify that the information given above is true and complete and regulations all operators are required to report and/or file certain remay endanger public health or the environment. The acceptance of a cashould 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 conductor accordance with 19.15.29.13 NMAC including notification to the OCI	C-141 report by the OCD does not relieve the operator of liability diate 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 itions that existed prior to the release or their final land use in
Printed Name: Dale Woodall	_ _{Title:} EHS Consultant
Signature: Dale Woodall	_ _{Date:} 1/3/2023
	_Telephone: 575-748-1848
OCD Only	
Received by:Jocelyn Harimon	Date:03/21/2023
	Thiability should their operations have failed to adequately investigate and ster, human health, or the environment nor does not relieve the responsible regulations.
Closure Approved by: Julian Hall	Date: _4/10/2023
Printed Name: Brittany Hall	Title: Environmental Specialist



575-964-7740

December 6, 2022

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

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

RE: Site Assessment and Closure Report

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

GPS: Latitude 32.6653332 Longitude -103.9008789

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

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

Site Information and Site Characterization

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

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

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

Table 1 NMAC and Closure Criteria 19.15.29										
Depth to Groundwater		Cons	tituent & Limits							
Depth to Groundwater	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene					
<50′	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg					
51-100' (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')											
- IIIIOCD	Tubic I C		von Energy				Vater 15 52 2	00			
Date 8-31-20					ved Labora		ults				
	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl			
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
S1	0-6"	ND	ND	ND	ND	ND	0	48			
	0-6"	ND	ND	ND	ND	ND	ND	112			
62	1'	ND	ND	ND	ND	ND	ND	48			
S2	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			
S 3	1'	ND	ND	ND	25	ND	25	32			
33	2'	ND	ND	ND	ND	ND	0	ND			
	3'	ND	ND	ND	ND	ND	0	32			
	0-6"	ND	ND	ND	ND	ND	0	48			
S4	1'	ND	ND	ND	ND	ND	0	48			
34	2'	ND	ND	ND	ND	ND	0	48			
	3'	ND	ND	ND	ND	ND	0	64			
	0-6"	ND	ND	ND	ND	ND	0	240			
S 5	1'	ND	ND	ND	ND	ND	0	48			
33	2'	ND	ND	ND	ND	ND	0	48			
	3'	ND	ND	ND	ND	ND	0	48			
	0-6"	ND	ND	ND	ND	ND	0	2360			
S6	1'	ND	ND	ND	ND	ND	0	144			
	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			
S 7	1'	ND	ND	ND	ND	ND	0	64			
	2'	ND	ND	ND	ND	ND	0	32			
	3'	ND	ND	ND	ND	ND	0	32			
	0-6"	ND	ND	ND	ND	ND	0	96			
S8	1'	ND	ND	ND	ND	ND	0	16			
	2'	ND	ND	ND	ND	ND	0	16			
	3'	ND	ND	ND	ND	ND	0	ND			
	0-6"	ND	ND	ND	ND	ND	0	144			
S9	1'	ND	ND	ND	ND	ND	0	64			
	2'	ND	ND	ND	ND	ND	0	32			
	3'	ND	ND	ND	ND	ND	0	64			

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

ND – Analyte Not Detected

Complete Laboratory reports can be found in Appendix D.

Remediation Activities

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

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

Closure Request

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

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

Attachments

Figures:

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

Appendices:

Appendix A- Referenced Water Surveys

Appendix B- Soil Survey and Geological Data

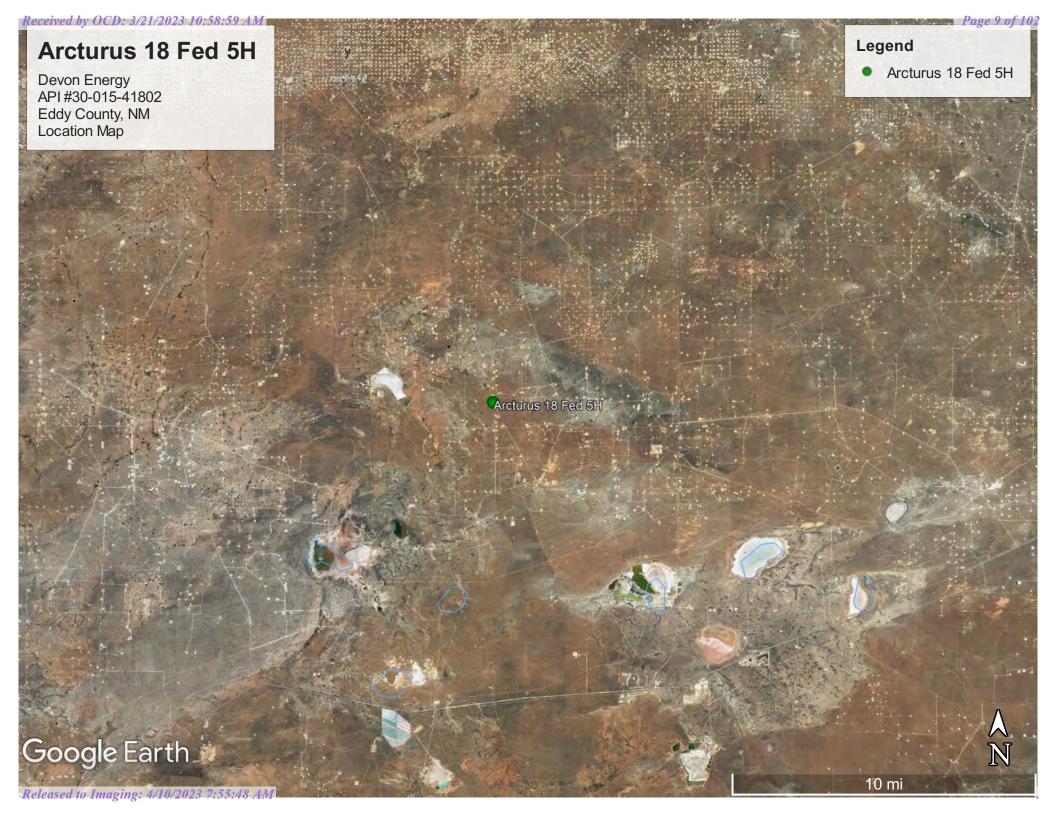
Appendix C- C-141 Form

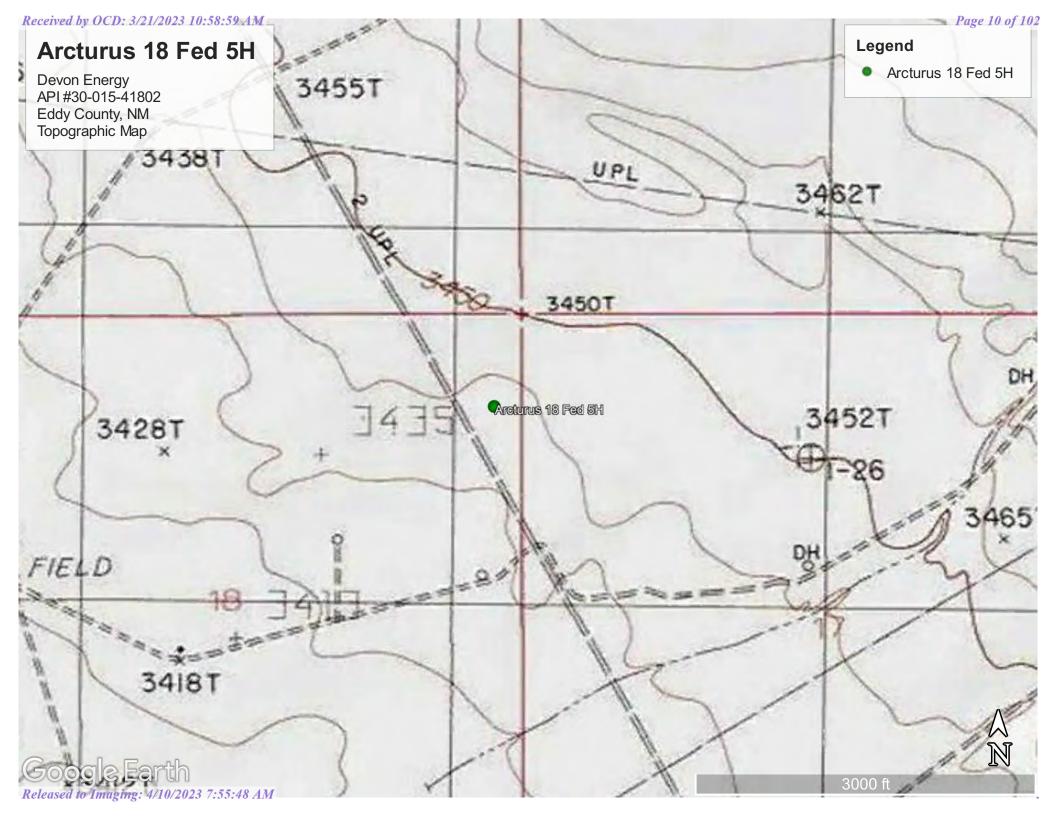
Appendix D- Laboratory Reports

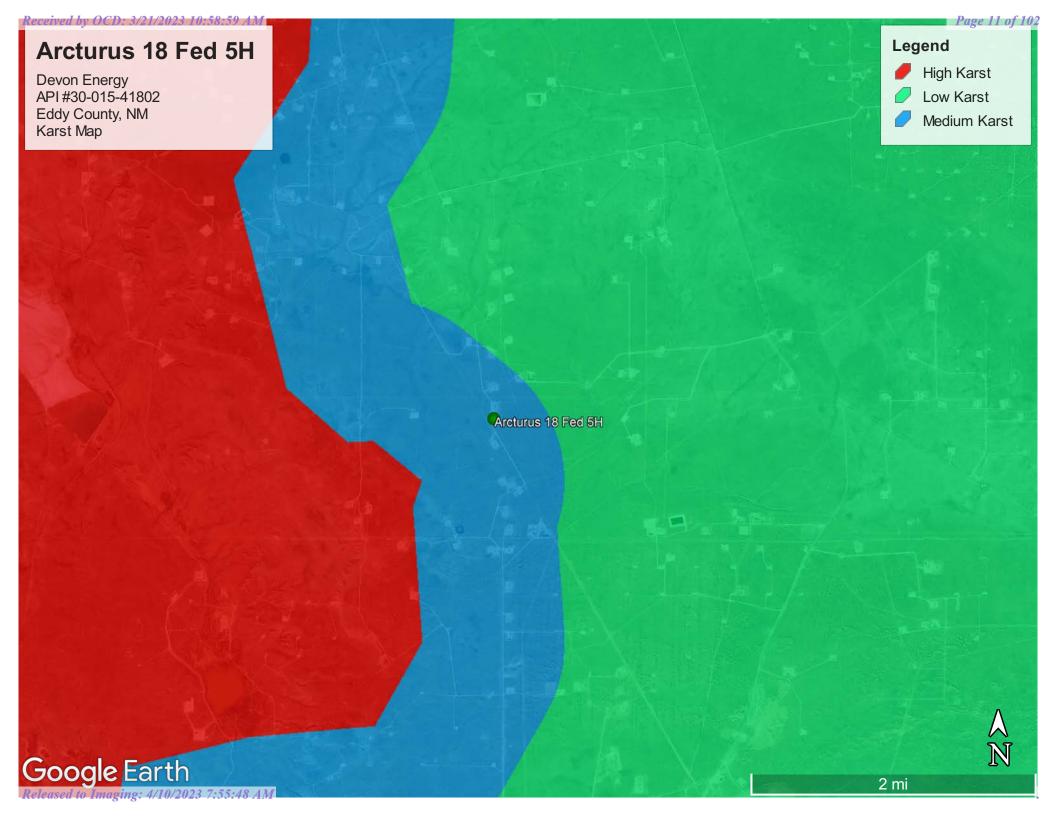


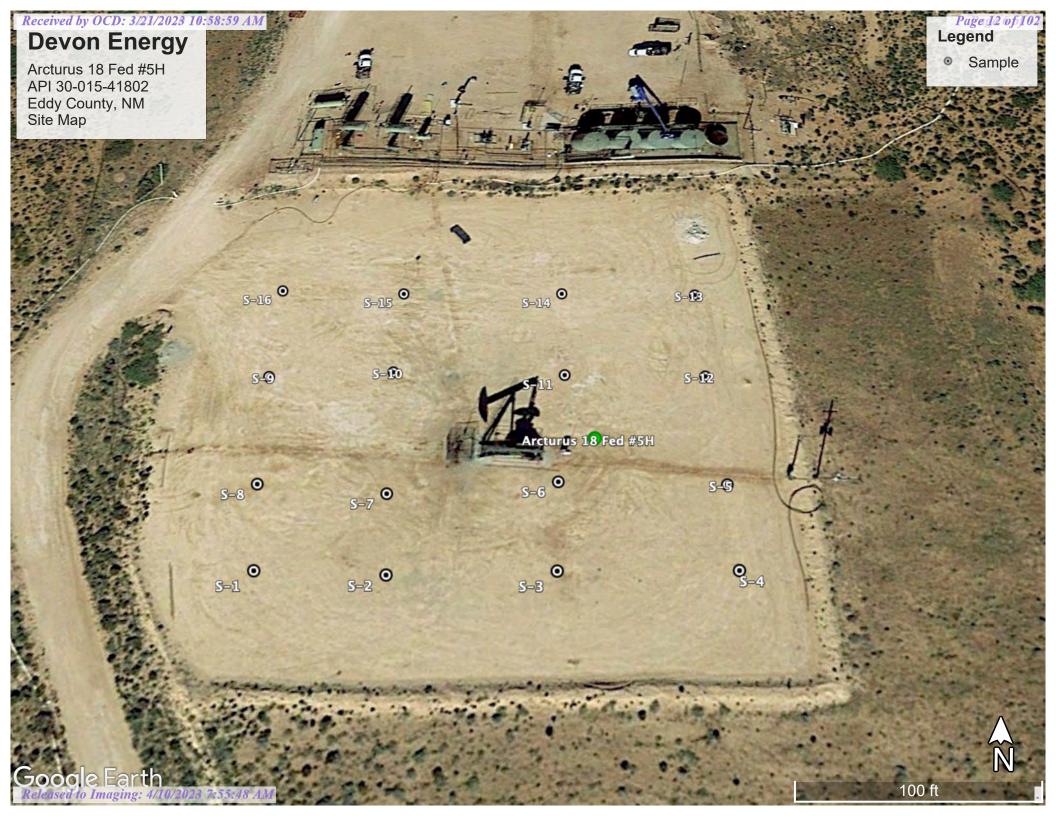
Figures:

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











Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

POD

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

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

(In feet)

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

Average Depth to Water:

180 feet

Minimum Depth:

180 feet

Maximum Depth:

180 feet

Record Count: 5

UTMNAD83 Radius Search (in meters):

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

*UTM location was derived from PLSS - see Help

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

12/6/22 1:21 PM

WATER COLUMN/ AVERAGE DEPTH TO

WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

NA CP 01907 POD1 18 19S 31E 3614737

Driller License: 1249 **Driller Company:**

ATKINS ENGINEERING ASSOC. INC.

Driller Name:

Drill Finish Date:

603017

JACKIE ATKINS

07/13/2022

07/13/2022

Plug Date:

Drill Start Date: Log File Date:

PCW Rcv Date: 08/11/2022

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: Depth Well: **Depth Water:**

Casing Perforations:

Top Bottom

55

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

0

12/6/22 1:21 PM

POINT OF DIVERSION SUMMARY



NC	OSE POD NO. (W POD 1 (TW-1		.)		WELL TAG ID NO N/A			OSE FILE NO(S).				
OCATIO	WELL OWNER M Devon Energy							PHONE (OPTIONAL) 575-748-1838					
VELL L	WELL OWNER M 6488 7 River		ADDRESS			CITY STATE ZIP Artesia NM 88210							
GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)		TITUDE	GREES 32 103	MINUTES 39 54	SECOND 55.76		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84					
1. GEN		RELATIN	NG WELL LOCATION TO 19S R31S NMPM	STREET ADD	RESS AND COMMO	N LANDMAR	KS – PL	SS (SECTION, TO	WNSHJIP, RANGE) W	HERE AV	AILABLE		
	LICENSE NO. 1249		NAME OF LICENSED		Jackie D. Atkins	s			NAME OF WELL D		COMPANY g Associates,	Inc.	
	DRILLING STAR 7/13/202		DRILLING ENDED 7/13/2022		OMPLETED WELL (F	T) I	ORE HO	LE DEPTH (FT) ±55	DEPTH WATER FI	RST ENCO)	
z	COMPLETED W	ELL IS:	ARTESIAN	✓ DRY HO	LE SHALLO	OW (UNCON	INED)		WATER LEVEL PLETED WELL	N/A	7/13/2022		
ATTO	DRILLING FLUI	D:	☐ AIR	☐ MUD		VES – SPECII			Louis	V UEDE I	E DITI ESS ADA	DTED IS	
FORM	DRILLING MET		ROTARY HAMM		LE TOOL 7 OTH		Y: 1	Hollow Stem	Auger CHECK HERE IF PITLESS ADAPTER IS INSTALLED				
SING IN	FROM	TO	DIAM (inches)	(include	MATERIAL AND GRADE each casing string sections of screen	, and	CON	ASING NECTION FYPE oling diameter)			SING WALL HICKNESS (inches)	SLOT SIZE (inches)	
& CA	0	55	±6.5	note	Boring-HSA (aud coup)				-		-	-	
DRILLING & CASING INFORMATION													
2.													
11.	DEPTH (fee	et bgl)	BORE HOLE	100	IST ANNULAR S				AMOUNT		METHOD OF		
FERIAL	FROM	то	DIAM. (inches)	GRA	AVEL PACK SIZE	E-RANGE I	Y INT	ERVAL	(cubic feet)		PLACE	MENT	
ANNULAR MATERIAL									05.20% Au	GIL	1022 p (3).	-	
3. ANNU													
		w.s.									Sar Marca		
	ENO. CP		21.18.42	Tu)-/ POD NO	0.		TRN 1	NO. 726	& LOG		28/2022)	
LOC	CATION	9.	21.18.47	27				WELL TAG I	7.1	-		1 OF 2	

	DEPTH (feet bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)		YIELD FOR WATER- BEARING ZONES (gpm)
	0	29	29	Sand, Medium/ Fine grained, poorly graded, Light brown	Y /N	
	29	44	15	Sand, Medium/ Fine grained, poorly graded, with caliche Light brown / wl	nite Y ✓N	
	44	55	11	Sand, Medium/ Fine grained, poorly graded, Light brown	Y ✓N	
					Y N	
					Y N	
T					Y N	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
OF					Y N	
00					Y N	
IC.					Y N	
100					Y N	
3EO					Y N	
ROC					Y N	
EX.					Y N	
4					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD U			OF WATER-BEARING STRATA: BAILER OTHER – SPECIFY:	TOTAL ESTIMATED WELL YIELD (gpm):	0.00
z	WELL TES	T TEST	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC. ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE	LUDING DISCHARGE I	METHOD,
5. TEST; RIG SUPERVISION	MISCELLA		FORMATION: T	emporary well material removed and soil boring backfilled using dri clow ground surface(bgs), then hydrated bentonite chips ten feet bgs	l cuttings from total de	epth to ten feet
5. TEST	PRINT NAM Shane Eldri			RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	TRUCTION OTHER TH	IAN LICENSEE:
6. SIGNATURE	CORRECT	RECORD (OF THE ABOVE I	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R 30 DAYS AFTER COMPLETION OF WELL DRILLING:	EF, THE FOREGOING I	S A TRUE AND ATE ENGINEER
6. SIGN	Jack A	tkins		Jackie D. Atkins	8/4/2022	
		SIGNA	TURE OF DRILLI	ER / PRINT SIGNEE NAME	DATE	
	R OSE INTER			WR-20 WEL	L RECORD & LOG (Ve	rsion 01/28/2022
FIL	.E NO. 😃 🖓	-190	204-La		72616	1
LO	CATION	0	1.31.18	WELL TAG ID NO.		PAGE 2 OF 2



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Geographic Area:

Linited States

ata Category:	Geographic Area:	
Groundwater 💙	United States	→ GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

323810103511401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

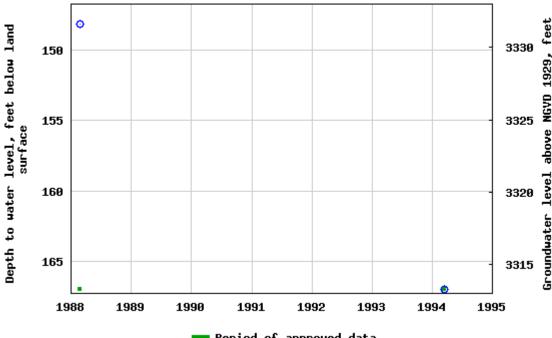
USGS 323810103511401 19S.31E.27.214121

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

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer. **Output formats**

Table of data Tab-separated data 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

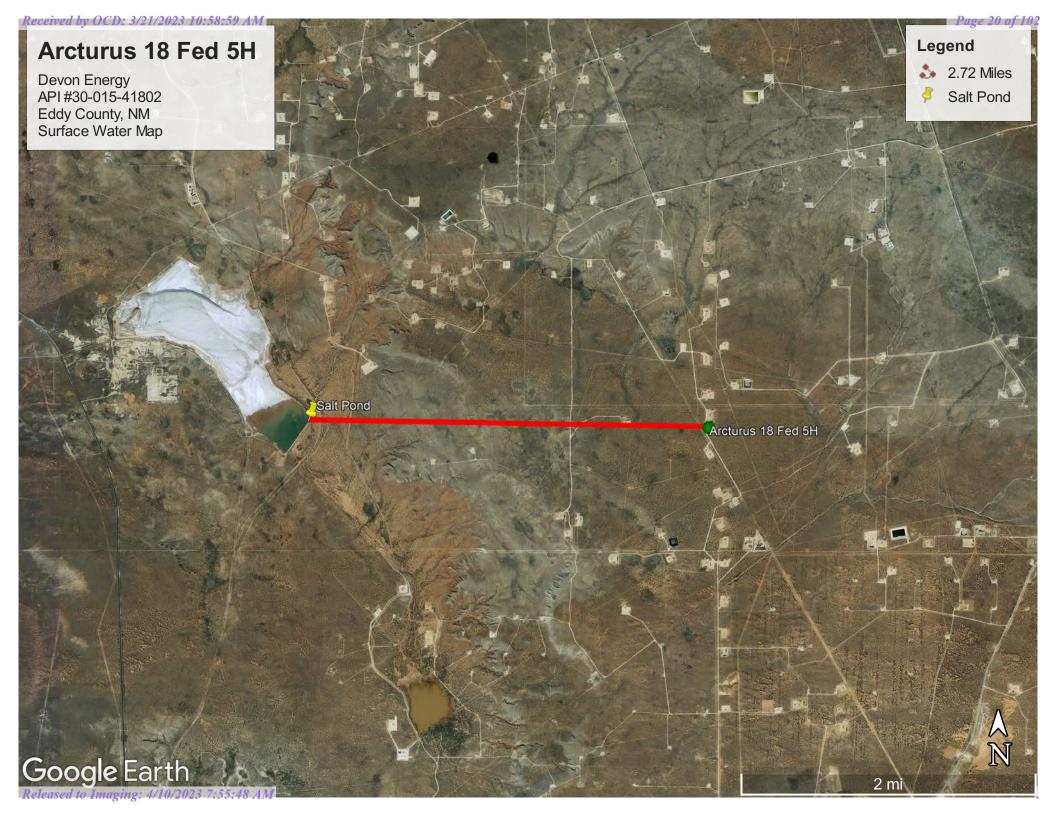
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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)

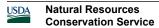
Sodium adsorption ratio, maximum: 1.0

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

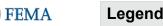
Data Source Information

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

OReleas 250 Im 5 9 995:48 AM

National Flood Hazard Layer FIRMette





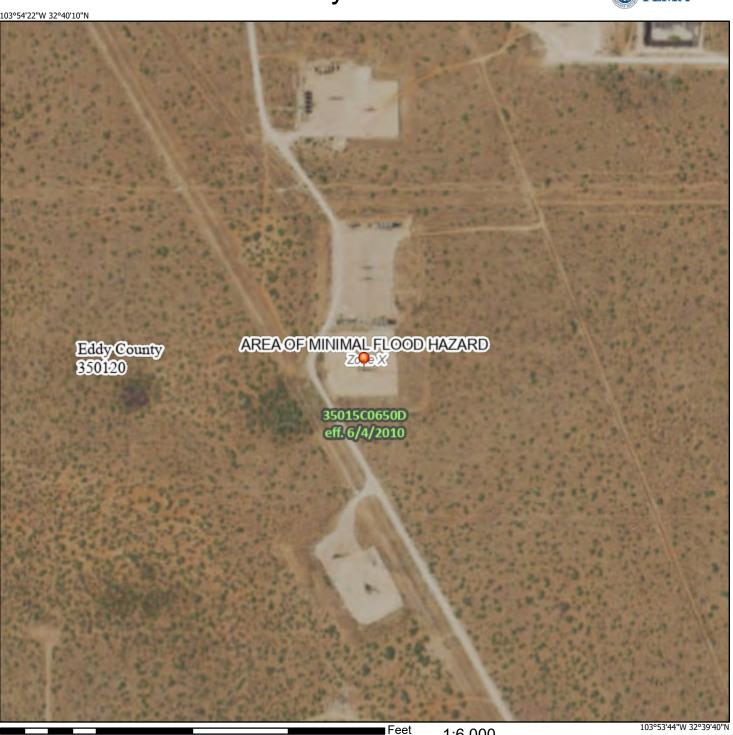
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D 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 | LILLILL 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 point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/6/2022 at 3:27 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

unmapped and unmodernized areas cannot be used for

regulatory purposes.



2.000



Wetlands Map



December 6, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

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 157754	OPERATOR Initial Report Final Report							
Name of Company Devon Energy Production 19137	Contact Rudy Zuniga, Production Foreman							
Address 6488 Seven Rivers Hwy Artesia, NM 88220	Telephone No. 575-390-5435							
Facility Name Arcturus 18 Fed 5H	Facility Type Oil							
Surface Owner Federal Mineral Own	er Federal API No. 30-015-41802							
LOCATI	ON OF RELEASE							
	rth/South Line Feet from the East/West Line County							
A 18 19S 31E 845	FNL 250 FEL Eddy							
Latitude: 32.6653332'N	Longitude: 103.9008789'W							
NATUI	E 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 Requi	ed Jeff Robertson, BLM Mike Bratcher, OCD							
By Whom? Lynn Smith, Asst. Production Foreman	Date and Hour							
	Jeff Robertson, BLM May 6, 2015 8:57 AM							
	Mike Bratcher, OCD May 6, 2015 8:59 AM							
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse							
☐ Yes ⊠ No	N/A							
If a Watercourse was Impacted, Describe Fully.* N/A								
	hat the Arcturus 18 Fed 5H was leaking from the well head, upon Lease Operator's ashed 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	gendary Trucking recovered all 20bbls of oil and produced water mix and the							
contaminated dirt will be removed from location and replaced with fr								
regulations all operators are required to report and/or file certain releapublic health or the environment. The acceptance of a C-141 report be should their operations have failed to adequately investigate and remove	to the best of my knowledge and understand that pursuant to NMOCD rules and see notifications and perform corrective actions for releases which may endanger by the NMOCD marked as "Final Report" does not relieve the operator of liability diate contamination that pose a threat to ground water, surface water, human health rt 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: NA							
E-mail Address: Sheila.Fisher@dvn.com	Conditions of Approval:							
Date: Phone: 575.748.1829	Conditions of Approval: (Interdiation per O.C.D. Rules & Guidelinestrached (I) BMIT REMEDIATION PROPOSAL NO							
Attach Additional Sheets If Necessary	_ATER THAN: 2RP-2998							

Site Assessment/Characterization

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

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

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.

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

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

	Page 29 of 102
Incident ID	NAB1513157754
District RP	2RP-2998
Facility ID	

Application ID

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

Page 30 of 102

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

Closure

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

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



Appendix D

Laboratory Reports



September 03, 2020

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

RE: ARCTURUS 18 FED 5H

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

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

DTEV 0021D

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2020	ND	1.94	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

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

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)

Project Name:

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2020	ND	1.94	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

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2020	ND	1.94	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	48.0	16.0	09/02/2020	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2020	ND	214	107	200	0.909	
DRO >C10-C28*	<10.0	10.0	09/01/2020	ND	227	113	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	09/01/2020	ND					
Surrogate: 1-Chlorooctane	124	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	136	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2020	ND	1.96	97.8	2.00	1.47	QR-03
Toluene*	<0.050	0.050	09/01/2020	ND	1.97	98.3	2.00	0.895	QR-03
Ethylbenzene*	<0.050	0.050	09/01/2020	ND	1.92	95.9	2.00	0.956	QR-03
Total Xylenes*	<0.150	0.150	09/01/2020	ND	5.93	98.8	6.00	0.879	QR-03
Total BTEX	<0.300	0.300	09/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/02/2020	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2020	ND	214	107	200	0.909	
DRO >C10-C28*	<10.0	10.0	09/01/2020	ND	227	113	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	09/01/2020	ND					
Surrogate: 1-Chlorooctane	135	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	148	% 42.2-15	6						

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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 - 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						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

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

Cardinal Laboratories

*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2020	ND	1.96	97.8	2.00	1.47	
Toluene*	<0.050	0.050	09/01/2020	ND	1.97	98.3	2.00	0.895	
Ethylbenzene*	<0.050	0.050	09/01/2020	ND	1.92	95.9	2.00	0.956	
Total Xylenes*	<0.150	0.150	09/01/2020	ND	5.93	98.8	6.00	0.879	
Total BTEX	<0.300	0.300	09/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	139 9	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

BTEX 8021B	mg	/kg	Analyze	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	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						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

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

Sample ID: S4 - 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	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	114	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	124	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S4 - 3' (H002305-13)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keens



Analytical Results For:

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

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

ARCTURUS 18 FED 5H

ma/ka

Project Number: 46

Project Location: DEVON - EDDY CO NM

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

Project Name:

RTFY 8021R

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

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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	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	138	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	151	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S5 - 2' (H002305-16)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/02/2020	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2020	ND	214	107	200	0.909	
DRO >C10-C28*	<10.0	10.0	09/01/2020	ND	227	113	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	09/01/2020	ND					
Surrogate: 1-Chlorooctane	127	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	139	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	1.96	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	2360	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	124	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	136	% 42.2-15	6						

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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	4						
Surrogate: 1-Chlorooctadecane	144	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S6 - 2' (H002305-20)

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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/02/2020	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2020	ND	214	107	200	0.909	
DRO >C10-C28*	<10.0	10.0	09/01/2020	ND	227	113	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	09/01/2020	ND					
Surrogate: 1-Chlorooctane	128	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	141	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S6 - 3' (H002305-21)

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	80.0	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	133	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	142	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

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

Sample ID: 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 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	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 9	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/02/2020	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2020	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	149	% 42.2-15	6						

Cardinal Laboratories

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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 - 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						

Cardinal Laboratories

*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	1.90	94.9	2.00	7.76	
Toluene*	<0.050	0.050	09/02/2020	ND	1.89	94.5	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/02/2020	ND	1.88	93.8	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/02/2020	ND	5.82	97.0	6.00	6.94	
Total BTEX	<0.300	0.300	09/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 73.3-12	9						
Chloride, 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	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	112	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	118	% 42.2-15	6						

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S8 - 1' (H002305-27)

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	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	133	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	136	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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 - 2' (H002305-28)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

RTFY 8021R

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

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

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

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	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	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2020	ND	164	82.0	200	7.76	
DRO >C10-C28*	<10.0	10.0	09/02/2020	ND	168	84.0	200	5.47	
EXT DRO >C28-C36	<10.0	10.0	09/02/2020	ND					
Surrogate: 1-Chlorooctane	141	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	142	% 42.2-15	6						

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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 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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	139 9	6 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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 - 2' (H002305-32)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

mg/kg

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

BTEX 8021B

DILX GOZID	ıııg,	K9	Alldiyzo	a by. ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	1.90	94.9	2.00	7.76	
Toluene*	<0.050	0.050	09/02/2020	ND	1.89	94.5	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/02/2020	ND	1.88	93.8	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/02/2020	ND	5.82	97.0	6.00	6.94	
Total BTEX	<0.300	0.300	09/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/02/2020	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2020	ND	164	82.0	200	7.76	
DRO >C10-C28*	<10.0	10.0	09/02/2020	ND	168	84.0	200	5.47	
EXT DRO >C28-C36	<10.0	10.0	09/02/2020	ND					
Surrogate: 1-Chlorooctane	139 5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	146 9	% 42.2-15	6						

Analyzed By: ms

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

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: S10 - 1' (H002305-35)

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, SM4500Cl-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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	140	% 42.2-15	6						

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	ea By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	1.90	94.9	2.00	7.76	
Toluene*	<0.050	0.050	09/02/2020	ND	1.89	94.5	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/02/2020	ND	1.88	93.8	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/02/2020	ND	5.82	97.0	6.00	6.94	
Total BTEX	<0.300	0.300	09/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	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	148	% 42.2-15	6						

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

BTEX 8021B	mg/	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	1.90	94.9	2.00	7.76	
Toluene*	<0.050	0.050	09/02/2020	ND	1.89	94.5	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/02/2020	ND	1.88	93.8	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/02/2020	ND	5.82	97.0	6.00	6.94	
Total BTEX	<0.300	0.300	09/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	128	16.0	09/02/2020	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2020	ND	164	82.0	200	7.76	
DRO >C10-C28*	<10.0	10.0	09/02/2020	ND	168	84.0	200	5.47	
EXT DRO >C28-C36	<10.0	10.0	09/02/2020	ND					
Surrogate: 1-Chlorooctane	138 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	144 9	2% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

ma/ka

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	^и 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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S11 - 1' (H002305-39)

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

Cardinal Laboratories

*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

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	^и 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	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	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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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 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	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	2% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	1.90	94.9	2.00	7.76	
Toluene*	<0.050	0.050	09/02/2020	ND	1.89	94.5	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/02/2020	ND	1.88	93.8	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/02/2020	ND	5.82	97.0	6.00	6.94	
Total BTEX	<0.300	0.300	09/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	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

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S12 - 1' (H002305-43)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

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

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

ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	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 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/02/2020	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2020	ND	189	94.7	200	1.20	
DRO >C10-C28*	<10.0	10.0	09/01/2020	ND	206	103	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	09/01/2020	ND					
Surrogate: 1-Chlorooctane	134 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	153 9	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

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

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

ARCTURUS 18 FED 5H

ma/ka

Project Name: ARC
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 - 3' (H002305-45)

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	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	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	146	% 42.2-15	6						

Applyzod By: MC

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 08/31/2020

Sampling Type: Soil

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

Sample ID: 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	Analyze	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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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- 0-6" (H002305-50)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	2.07	103	2.00	5.26	
Toluene*	<0.050	0.050	09/02/2020	ND	2.08	104	2.00	5.59	
Ethylbenzene*	<0.050	0.050	09/02/2020	ND	2.06	103	2.00	4.93	
Total Xylenes*	<0.150	0.150	09/02/2020	ND	5.96	99.3	6.00	4.77	
Total BTEX	<0.300	0.300	09/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	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	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	146	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

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: S14- 1' (H002305-51)

Project Name:

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	100	% 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	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	116	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	129	% 42.2-15	6						

Applyzod By: MC

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

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

Project Name: ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

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

Sample ID: 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 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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	134 9	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

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

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

ARCTURUS 18 FED 5H

Project Number: 46

DEVON - EDDY CO NM Project Location:

Sampling Date: 08/31/2020

Sampling Type: Soil

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

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

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	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						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2020	ND	2.07	103	2.00	5.26	
Toluene*	<0.050	0.050	09/02/2020	ND	2.08	104	2.00	5.59	
Ethylbenzene*	<0.050	0.050	09/02/2020	ND	2.06	103	2.00	4.93	
Total Xylenes*	<0.150	0.150	09/02/2020	ND	5.96	99.3	6.00	4.77	
Total BTEX	<0.300	0.300	09/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	139 9	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 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						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S15- 2' (H002305-56)

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	99.0	% 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	114 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	124 9	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S15- 3' (H002305-57)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

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	/ kg	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						

Applyzod By: MC

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S16- 1' (H002305-59)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S16- 2' (H002305-60)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: S16- 3' (H002305-61)

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries of successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Sampler - UPS - Bus - Other:

Corrected Temp. °C

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

Cool Intact

Observed Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Company Name: (2/2) 253-2320 FAX (2/2) 353	Sima FAMI COMP 8/4/01	5 10		
Project Manager: Chris Jones	ONES	P.O. # 2086948		ANALYSIS REQUEST
Address: 1601 N. Tur	Turner Ste 500	Company: Devon		
city: Hobbs	tat	Attn: Tom Byrum	ž	
Phone #: 575-63(-6977 Fax #:	777 Fax #:			
Project #: 46	Project Owner: Devon	City:		
me: Ar		State: Zip:		
Project Location: EDDY Co	OUNTY	#		
	Newcomb	Fax #:		
		r ax #.		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	×.	
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	TPH E BTEX Chloris	
2 52 - 0 - 6 2 52 - 0 - 6 4 52 - 2	1 / J	8/3/20		
52 - 0,	6 2			
9 53-3,	-			
PLEASE NOTE: Liability and Darragnes: Cardinal's liability and	of	A	4 4 9	
T-CHOSE INV IC. Leasuny and Jorrages, Cardinals labury an analyses. All claims including those for negligence and any service. In no event shall Cardinal be liable for incidental ory service, in no event shall Cardinal be liable for incidental or services or successors arising out of or related to the perform	ased in co ade in writi as interrup	ntract or tort, shall be limited to the amount paid by ng and received by Cardinal within 30 days after co- tions, loss of use, or foss of profits incurred by client claim is based upon any of the above stated reason	the client for the mpsicable mysticable (its subsidiaries, its subsidiaries, its originalise).	
Relinquished By:	8:12 Received By:	•	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	hone #: address:
Relinquished By:	Date: Received By:	מל	REMARKS: Bill TO Devois	212
Delivered By: (Circle One)	Observed Temp. °C - 3.9 Sample Condition	CHECKED BY:	Turnaround Time: Standard B	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

Relinquished By:

Received By:

REMARKS:

Bill to DEVON

Standard Rush

Observed Temp. °C Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C Observed Temp. °C -Time:

Cool Intact Sample Condition

Delivered By: (Circle One)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

ess: 1601 N.7		#: 2086		ANALYSIS REQUEST
city: Habbbs	State:NM Zip: 88240	Attn: Tom Bynum	7	
Phone #: 575-631-697-	Fax #:	ess:		
Project #: 46	Project Owner: Devon	City:		
Project Name: Archurus	18 FED SH	State: Zip:		
Project Location: Eddy	Cour	#		
Sampler Name: MACK	Neucomb	Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	T	
Lab I.D. San	DWATER WATER	SE:	H EX TEX lorida	
	(G)RAB (# CONTA GROUNE WASTEV SOIL OIL	SLUDGE OTHER: ACID/BAS ICE / COC OTHER:	TPI BT	
2 59 - 1		1 8/31/20	-	
33 59 - 3				
1-015 95 0-015 hc	0.6.			
30 510 -	<i>N N</i>			
38 511 - 0	0-6"			
40 511 -	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	t	1	
The control of the co	cleant's excitaixe remedy for any claim arising whether based in co ler cause whatsoever shall be deemed waived unless made in wait requential damages, including without limitation, business interrupt noe of services hereunder by Cardinal, begandless of whether such	ntract or tort, shall be limited to the amount paid by the client for the ing and received by Cardinal within 30 days after completion of the a flors. Loss of use, or loss of profits incurred by client, its subsidiaries, chains is besend unon a set of the cardinal profits.		
Relinquished By:	Timb 8:12 MM &	1	ılt: □ Yes □ No ıre emailed. Please prov	Add'I Phone #: ide Email address:
Delivered By: (Circle One)	Time:	OLEO CAROLINA		VON
Sampler - UPS - Bus - Other:		(Witials)	Thermometer ID #113 Correction Factor None	Cool Intact Observed Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Sample Condition
Cool Intact
Pes Yes
No No No

Standard Rush

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

Yes Yes
No Corrected Temp. °C

Corrected Temp. °C

Thermometer ID #113 Correction Factor None

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

	-2476	
Company Name: Him & ENVIROMENTAL	tm/ BILL TO	ANALYSIS REQUEST
Project Manager: Chris Jones	LB 129806 # 02	- 1
Address: 1601 N. Turner Ste 500		
City: Hobbs State: N/M	State: NM Zip: 8840 Attn: Tom Bynun	
631-6977 F		
1.5	Project Owner: Devons city:	
Project Name: Archurus 18 Fed 5		
Project Location: EDDY County	#	
Sampler Name: MARK NEWCOMS		
FOR LAB USE ONLY	MATRIX	
Lab I.D. Sample I.D.	DA	TPH EX BTEX Chorid
11	3/31/20	
900000		
* といろ・グ		
15 512-3'	5	
46 513-0-6"	4	
HS 5/3-2'	-	
49 513-31		
14 - 0-6	to any claim adults a found in an adult and the state of	F + 1
amalysest. All claims including those for negligence and any other cause whaters personal service. In no event shall Cardinal be liable for incidental or consequental darmages, including these or successors ensing out of or related to the performance of services hereinder by Relinquished By:	analyses. All claims including those for negligence and any other cause wistory for any claim arising whether based in contract or fort, shall be limited to the annount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its authorisatives. Alliables or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquished By: Perpal Received By:	for the with the applicable of the applicable o
	Stenson	are emailed. Please provi
	N. LINGERS	Bill to Devon
Delivered By: (Circle One) Observed Temp. °C - 5, 4	Sample Condition CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326	575) 393-2326 FAX (575) 393-2476			
Company Name: PIWA EN	ENVIROMENTAL	BILL TO	ANALYSIS REQUEST	
	JONES	LB 16,080C # 00.9		
	wer Ste 500	Company: DEVON		
Sagar	State: N/m Zip: 88240			
Phone #: 575-631-6977 Fax #:		Address:		
Project#: 46	Project Owner: DEVON	City:		
Project Name: Archurus 18		State: Zip:		
Project Location: Eddy Co	Z	#		
Ż	dusoms	Fax #:		
		10000		
Lab I.D. Sample I.D.		OTHER: ACID/BASE: ICE / COOL OTHER:	TPH E BTEX Chloric	/
25 515-1, 28 515-0-1, 28 514-3, 27 614-2,		04/8/8		
58 516-0-	, 6 °°			
PLEASE NOTE: Liability and Damagus. Cardinal's liability and cardyses. All claims including those for negligence and any other service. In no event shall Cardinal to liable for incidental or conservice.	Bent's exclusive r cause whatso	s remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the sever shall be deemed varied varied unless made in writing and received by Cardinal within 30 days after completion of the ages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substituries	the applicable ries,	
Relinquished By:	7	Hendlen All Results are	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	
Relinquished By:	Date: Received By:	REMARKS	Bill to Devon	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 34 Sample Condition Cool Intact Corrected Temp. °C 2 Yes 2 Yes	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Thermometer ID #113 Tyes Yes Orrected Temp. °C	

Relinquished By:

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

Observed Temp. °C-3,9

Time:

Corrected Temp. °C

Sample Condition
Cool Intact
Yes Yes

Relinquished By:

analyses. All claims including those for negl service. In no event shall Cardinal be liable

within 30 days after completion of the applicable worlds incurred by client, its subsidiaries.

All Results are emailed. Please provide Email address:

Verbal Result:

□ Yes

□ No

Add'I Phone #:

REMARKS:

Bill

to

NONDA

Standard

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

PLEASE NOTE: LI

101 East Marland, Hobbs, NM 88240 oratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	PINA TNUISOME	VIA	BILL TO	ANALYSIS REQUEST	
Project Manager	Project Manager: Chris Jones		CB469806:# 0.0.9		_
Address: 160	Address: 1601 N. Turner Ste 500	0050	Company: DELON		
city: Hobbs	State: N	State: NW Zip: 88240	Attn: Tom Bynum		_
Phone #: 575	-631-6977		Address:		
Project #: 46	Project Ov	Project Owner: DELON	City:		
Project Name:	Project Name: Arcturus 18 Fed SH	HS	State: Zip:		
Project Location	Project Location: Eddy County		Phone #:		
Sampler Name:	Mark Newcomb		Fax #:	e	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TPHEX BTEX Chloric	
6	61 516-31		<		

Thermometer ID #113 Correction Factor None Turnaround Time:

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

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

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

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

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

CONDITIONS

Action 199271

CONDITIONS

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

CONDITIONS

Create	d Condition	Condition
Ву		Date
bha	Site must meet the requirements of 19.15.29.13 NMAC at time of plugging and abandonment.	4/10/2023