Page 1 of 115

Incident ID	NAB1809357602
District RP	
Facility ID	
Application ID	

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?	<50' (ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X 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 X 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 k No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X 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?	X 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 Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody	s.

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.

Received by OCD: 5/18/2023 3:36:03 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Jocelyn Harimon

Received by:

Page	2	of	115

Incident ID	NAB1809357602
District RP	
Facility ID	
Application ID	

Date: 05/19/2023

Page 3 of 115

Incident ID	NAB1809357602
District RP	
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 it	ems must be included in the closure report.					
X A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC					
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)						
X Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)					
Description of remediation activities						
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and remhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the cor accordance with 19.15.29.13 NMAC including notification to the October Printed Name: Dale Woodall Signature: Dale Woodall	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in					
OCD Only						
Received by: Jocelyn Harimon	Date: 05/19/2023					
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.					
Closure Approved by: Hall	Date: <u>5/22/2023</u>					
Printed Name: Brittany Hall	Title: Environmental Specialist					



5614 N. Lovington Hwy.
Hobbs, NM 88240
575-964-7740

May 1st, 2023

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

Re: Site Assessment, Remediation, and Closure Report

Jasper 32 State Com #004H API No. 30-015-38476

GPS: Latitude 32.6235771 Longitude -104.0908356

UL "A", Sec. 32, T19S, R29E

Eddy County, NM

NMOCD Ref. No. NAB1809357602

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the Jasper 32 State Com 4H (Jasper). The initial C-141 was submitted on March 31st, 2018 (Appendix C). This incident was assigned Incident ID NAB1809357602, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Jasper is located approximately sixteen (16) miles northeast of Carlsbad, NM. This spill site is in Unit A, Section 32, Township 19S, Range 29E, Latitude 32.6235771, Longitude -104.0908356, Eddy County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Piedmont alluvial deposits (Holocene to lower Pleistocene). The soil in this area is made up of Reagan loam, saline, 0 to 1 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 high potential for karst geology to be present around the Jasper (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 120 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 67 feet BGS. The closest waterway is the Pecos River located approximately 15.89 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29										
Depth to Groundwater	cer Constituent & Limits									
(Appendix A)	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene					
<50' (High Karst)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg					
51-100'	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					

Reference Figure 2 for a Topographic map.

Release Information

<u>NAB1809357602:</u> On March 17th, 2018, the fire tube gasket on the heater treater failed causing a release of oil and produced water. The heater treater was immediately shut off to prevent further release.

Work Plan

On August 12th, 2020, a workplan was submitted to the OCD, the workplan was rejected due to various reasons. The rejected workplan can be found in the incident file on the NMOCD website.

Site Assessment and Soil Sampling Results

On September 22nd, and October 11th, 2022, Pima Environmental mobilized personnel to the Jasper to re-assess the spill. Pima collected six bottom samples (S1, S3, S5, S6, S7, S8) and one background sample (BG3). Laboratory results of this sampling event can be found in the following data table. Horizontal delineation was completed during the confirmation sampling event.

9-22-2022 and 10-11-2022 Soil Sample Results

	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')										
	Devon Energy - Jasper 32 St Com 4H										
	NM Approved Laboratory Results										
Sample ID	Date Sampled	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg		
S-1		1'	ND	ND	ND	ND	ND	0	ND		
S-3	9/22/2022	1'	ND	ND	ND	ND	ND	0	ND		
S-5		1'	ND	ND	ND	ND	ND	0	ND		
S-6	9/22/2022	4'	ND	ND	ND	54	79.1	133.1	ND		
3-0	10/11/2022	5'	ND	ND	ND	ND	ND	0	21.8		
6.7	9/22/2022	4'	ND	ND	ND	47.2	78	125.2	ND		
S-7	10/11/2022	5'	ND	ND	ND	ND	ND	0	23.3		
CO	9/22/2022	0.5'	ND	ND	ND	52.3	77.1	129.4	ND		
S-8	10/11/2022	1'	ND	ND	ND	ND	ND	0	26		
BG 3	9/22/2022	0.5'	ND	ND	ND	ND	ND	0	ND		

Nd: Non-Detect

Remediation Activities

On April 21st, 2023, Pima mobilized personnel and equipment to conduct remedial activities. We excavated the area overlapping soil sample (S1, S3, S5, and S8) to a depth of 1 foot, and the area overlapping (S6 and S7) was excavated to a depth of 5 feet bgs. The area overlapping BG-3 is under NMOCD Closure criteria, no further remediation is required. Photographic documentation can be found in Appendix D.

An area approximately 200 feet In length by 10 feet wide was excavated to various depths utilizing a backhoe.

On April 24th, 2023, after submitting the 48-hour notification (Appendix C), Pima collected confirmation samples. The laboratory results of this sampling event can be found in the following data table.

4-24-23 Confirmation Soil Sample Results

	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
	Devon Energy - Jasper 32 St Com 4H									
	NM Approved Laboratory Results									
Sample ID	Date Sampled	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl	
Sample 1D	Date Sampled	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
CS 1		5′	ND	ND	ND	ND	ND	0	ND	
CS 2		5′	ND	ND	ND	ND	ND	0	ND	
CS 3		5′	ND	ND	ND	ND	ND	0	ND	
CS 4		5′	ND	ND	ND	ND	ND	0	ND	
CS 5		5′	ND	ND	ND	ND	ND	0	ND	
CS 6		5′	ND	ND	ND	ND	ND	0	ND	
CS 7	4/24/2023	1'	ND	ND	ND	ND	ND	0	ND	
CS 8		1′	ND	ND	ND	ND	ND	0	ND	
CS 9		1'	ND	ND	ND	ND	ND	0	ND	
CS 10			1′	ND	ND	ND	ND	ND	0	ND
CS 11		1′	ND	ND	ND	ND	ND	0	ND	
CS 12		1′	ND	ND	ND	ND	ND	0	ND	
CSW 1		0-5'	ND	ND	ND	ND	ND	0	ND	
CSW 2		0-5'	ND	ND	ND	ND	ND	0	ND	
CSW 3		0-5'	ND	ND	ND	ND	ND	0	ND	
CSW 4		0-1'	ND	ND	ND	ND	ND	0	ND	
CSW 5		0-1'	ND	ND	ND	ND	ND	0	ND	
CSW 6		0-1'	ND	ND	ND	ND	ND	0	ND	
CSW 7		0-1'	ND	ND	ND	ND	ND	0	ND	
CSW 8		0-1'	ND	ND	ND	ND	ND	0	ND	
CSW 9		0-5'	ND	ND	ND	ND	ND	0	ND	
CSW 10		0-5'	ND	ND	ND	ND	ND	0	ND	

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NAB1809357602, be closed. Armstrong Energy Corporation has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully, Sebastian Orozco

Sebastian Orozco

Environmental Project Manager

Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form and 48-Hour Notification

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



Figures:

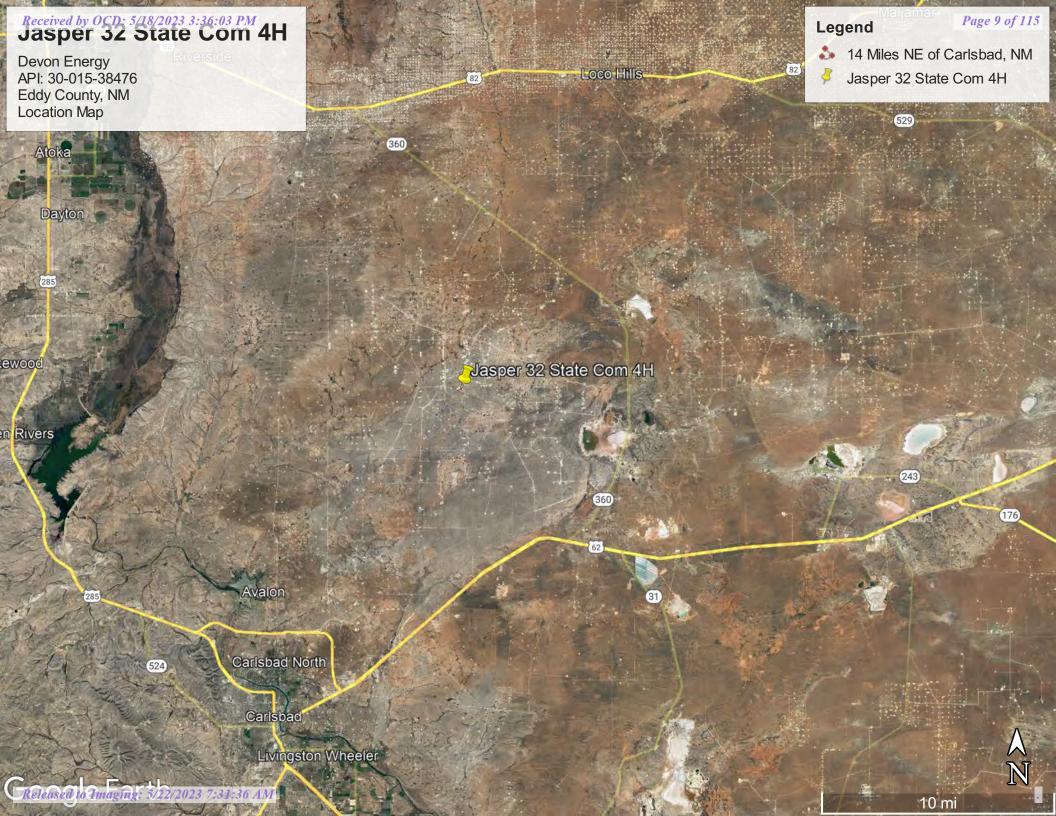
1-Location Map

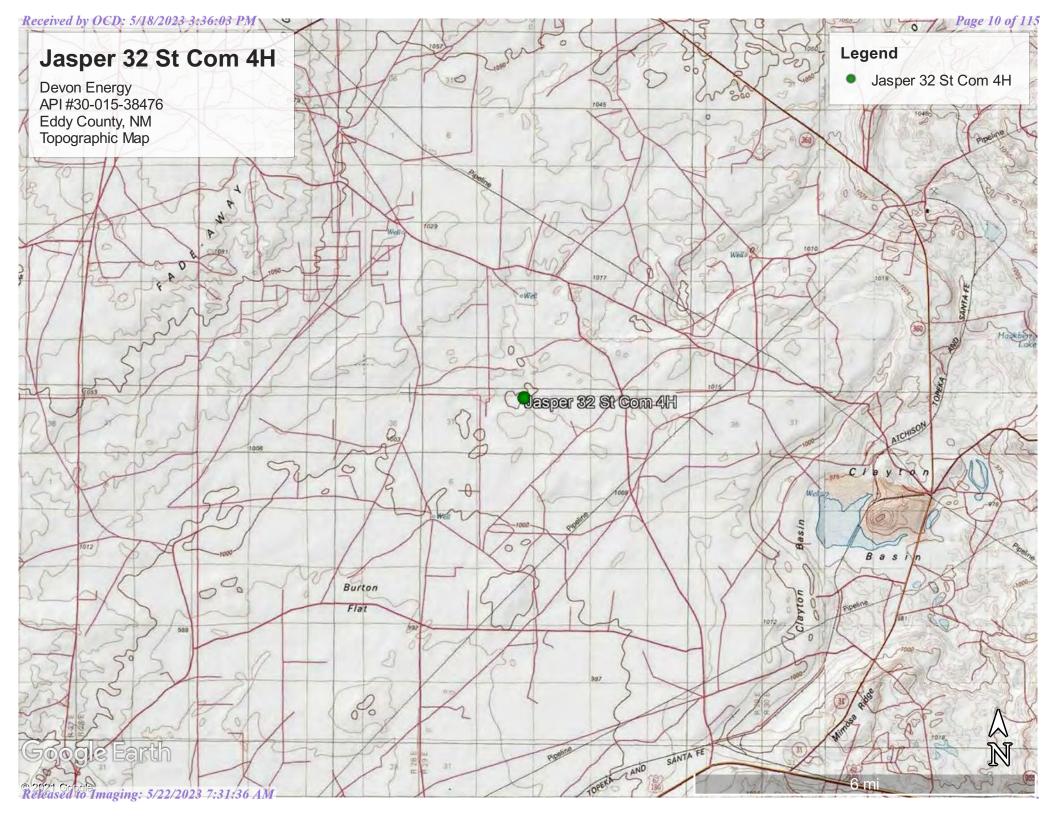
2-Topographic Map

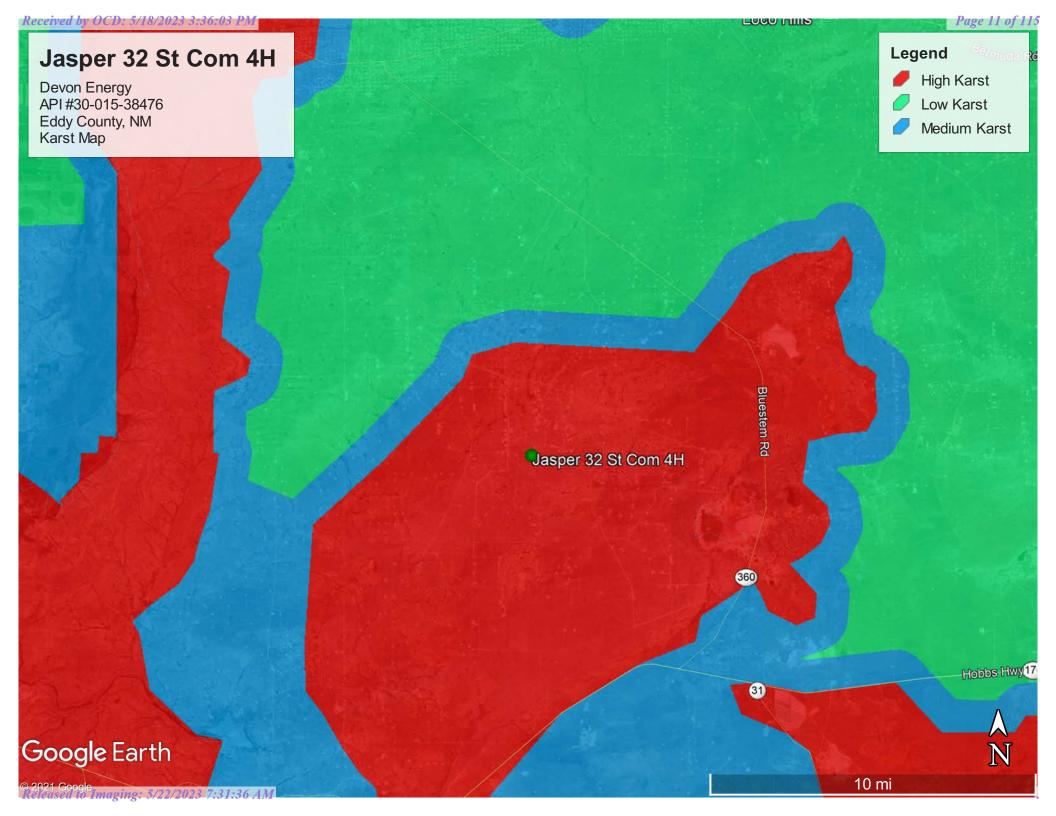
3-Karst Map

4-Site Map

5-Confirmation Sample Map













Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

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

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

(In feet)

		POD Sub-		Q	Q	Q								•	Water
POD Number	Code	basin	County	64	16	4 S	Sec	Tws	Rng	X	Y	DistanceDep	thWellDer	othWater C	olumn
<u>CP 01090 POD1</u>		CP	LE		1	2	31	20S	33E	586045	3608526	1601			
<u>CP 00830 POD1</u>		CP	LE		2	1 (04	20S	29E	586118	3608193*	1929	120		
<u>CP 00681</u>		CP	ED	1	1	3 .	34	19S	29E	587230	3609127*	2132			
<u>CP 00743 POD1</u>		CP	ED		2	4 (05	20S	29E	585319	3607382*	2535	160		
<u>CP 00741</u>		CP	ED	1	3	2	34	19S	29E	588030	3609533*	2807	230	60	170
<u>CP 00698 POD1</u>		CP	ED		3	1	03	20S	29E	587393	3608010	2868			
<u>CP 01231 POD1</u>		CP	ED	4	4	2	36	19S	28E	582311	3609372	2987	300	75	225
<u>CP 00926 POD1</u>		CP	LE	2	1	4 (01	20S	28E	581793	3607405	4271	300		
<u>CP 00831 POD1</u>		CP	LE		2	2	10	20S	29E	588548	3606605*	4674	100		
<u>CP 00739 POD1</u>		CP	ED	3	4	4 .	35	19S	29E	590068	3608622	4989	200	110	90

Average Depth to Water:

81 feet

Minimum Depth:

60 feet

Maximum Depth:

110 feet

Record Count: 10

<u>UTMNAD83 Radius Search (in meters):</u>

Easting (X): 585248.96 **Northing (Y):** 3609916.13 **Radius:** 5000

*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.

5/1/23 2:20 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

• 323538104070601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323538104070601 20S.29E.07.11234

Available data for this site Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°35'37.7", Longitude 104°07'07.8" NAD83

Land-surface elevation 3,259 feet above NAVD88

The depth of the well is 80 feet below land surface.

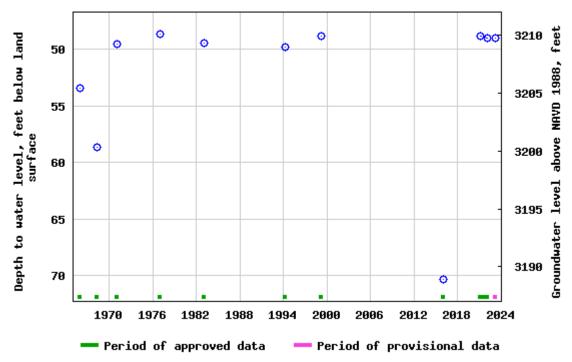
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

USGS 323538104070601 205.29E.07.11234



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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms

<u>Subscribe for system changes</u> <u>News</u>

Accessibility FOIA Privacy Policies and Notices

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

Title: Groundwater for USA: Water Levels

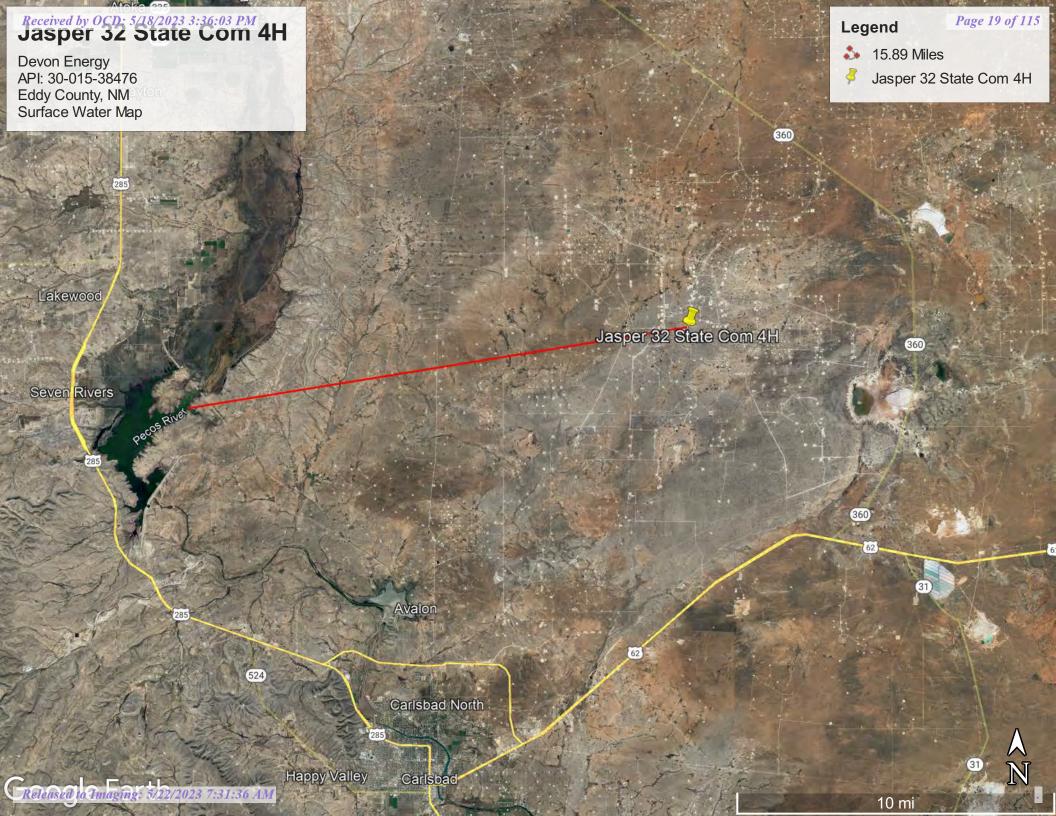
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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

Page Last Modified: 2023-05-01 16:09:12 EDT

0.6 0.49 nadww01







Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Eddy Area, New Mexico

Rf—Reagan loam, saline, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w5n Elevation: 2,150 to 5,300 feet

Mean annual precipitation: 10 to 17 inches Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 200 to 235 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 96 percent Minor components: 4 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Reagan

Setting

Landform: Alluvial fans, fan remnants Landform position (three-dimensional): Rise

Down-slope shape: Linear, convex Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural 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 in profile: 40 percent

Salinity, maximum in profile: Slightly saline to strongly saline (4.0 to

16.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 10.0

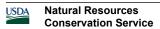
Available water storage in profile: Moderate (about 7.3 inches)

Interpretive groups

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

Hydrologic Soil Group: B

Ecological site: Loamy (R042XC007NM)



Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent

Ecological site: Loamy (R042XC007NM)

Hydric soil rating: No

Reagan nonsaline

Percent of map unit: 1 percent

Ecological site: Loamy (R042XC007NM)

Hydric soil rating: No

Reagan saline

Percent of map unit: 1 percent

Ecological site: Salt Flats (R042XC036NM)

Hydric soil rating: No

Gypsum land

Percent of map unit: 1 percent

Hydric soil rating: No

Data Source Information

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

OReleasea To Imaging: 5/22/2023 , 9.991:36 AM

National Flood Hazard Layer FIRMette



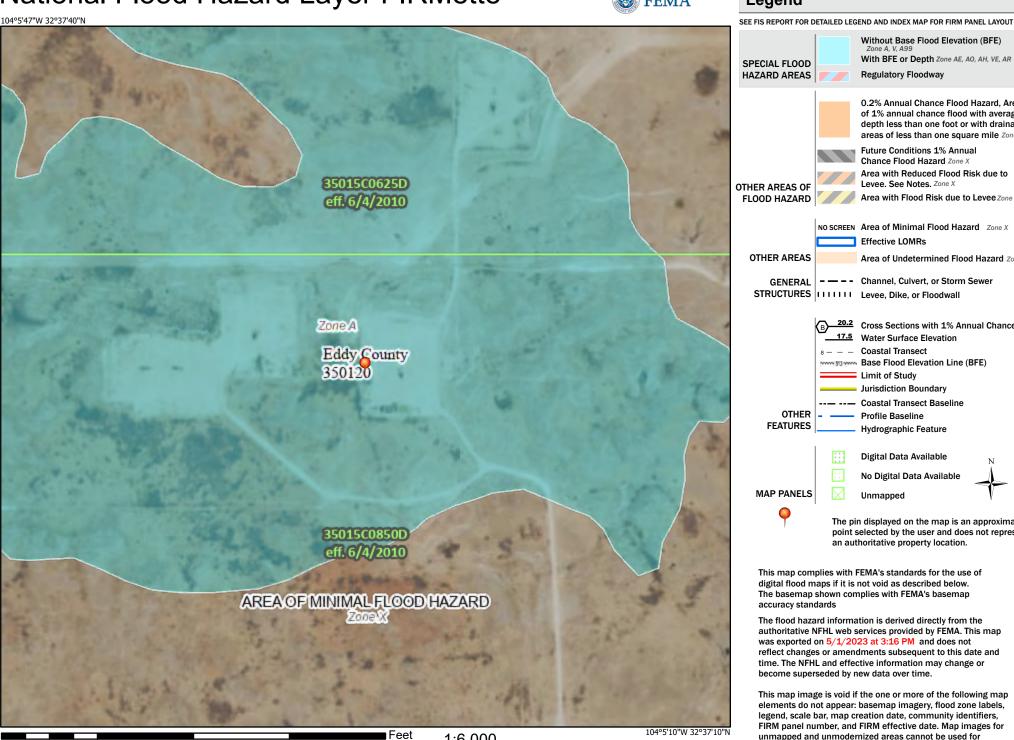


Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD **HAZARD AREAS** Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI 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 5/1/2023 at 3:16 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.





Wetlands Map



May 1, 2023

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

48-Hour Notification

ARTESIA DISTRICT

State of New Mexico Energy Minerals and Natural Resources MAR 3 1 2018

Form C-141 Revised April 3, 2017

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

District I 1625 N. French Dr., Hobbs, NM 88240

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

RECEIVED accordance with 19.15.29 NMAC.

				ease Notific	cation	and Co	rrective A	ction	l ,			
NABI	8093	57402			107	OPERAT	OR			al Report		Final Repo
Name of Co	ompany D	evon Energy	Product	ion Company	01370	Contact Hub						
Address 64	88 Seven	Rivers Hwy	Artesia, I	NM 88210	- 1		lo. 575-748-33	71				
Facility Name Jasper 32 State Com 4H				1	Facility Type Oil							
Surface Owner State Mineral Owner S				State API No. 30-015-38476								
				LOCA	ATION	OF REI	EASE					
Unit Letter A	Section 32	Township 19S	Range 29E	Feet from the	North/S	South Line	Feet from the	East/\	West Line	County	Eddy	/
		Latit	ude_32.0	523526	Lo	ongitude_10	04.091290		NAD83			
				NAT	TURE	OF RELI					2707	
Type of Rele	ease Oil & F	roduced Water	er			Volume of Release 17 bbls of Oil Volume Recovered 15 bbls of & 73 bbls of Produced Water of produced water				of Oil & none		
Source of Re	elease Heate	r Treater				Date and H	Date and Hour of Occurrence March 17, 2018 10:30 AM MST Date and Hour of Discovery March 17, 2018 10:30 AM MST					
Was Immedi	ate Notice (Yes [No Not R	equired	If YES, To Whom?						
By Whom? I	Brett Fulks-	EHS Professi	onal				our March 18, 2	018 10:2	20 AM			
Was a Water		ched?	Yes 🗵	No		If YES, Volume Impacting the Watercourse. N/A						
		em and Reme		n Taken.* causing a release	of oil and	produced w	ater. The heater t	treater w	as immedia	itely shut of	f to pre	vent farther
Describe Are Approximate	ely 17 bbls		bls of pro	ken.* duced water was I contractor will I							recovere	ed
regulations a public health should their or the enviro	all operators or the envi operations l onment. In a	are required to ironment. The have failed to	o report a acceptan adequately OCD accep	e is true and comp nd/or file certain ce of a C-141 rep y investigate and otance of a C-141	release no ort by the remediate	otifications a NMOCD m contaminati	nd perform corre arked as "Final I on that pose a th	ective act Report" of reat to g	tions for rel does not rel round wate	eases which ieve the ope r, surface w	may en erator of ater, hu	ndanger f liability man health
							OIL CON	ISER V	ATION	DIVISIO	NC	
Signature: Michael Shoemaker			Approved by Environmental Specialist: Beaution									
Printed Nam	e: Michael	Shoemaker			4	Approved by	Environmentary	apecians	N.			
Title: Envir	onmental Pr	rofessional				Approval Da	e: 4211	8	Expiration	Date: N	IIA	
E-mail Address: mike.shoemaker@dvn.com					Conditions o		11.	مار مما	Attached	180	111.01	
Date: 03/31		ets If Neces		Phone: 575.748.	3371		5ee 1	ittal	neu	1	AKP	-4482

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 3/31/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number AP-4(188) has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 4/30/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- •Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.
- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.
- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From:

Shoemaker, Mike < Mike. Shoemaker@dvn.com>

Sent:

Saturday, March 31, 2018 9:47 PM

To:

Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Shelly Tucker (stucker@blm.gov)

Cc:

Fulks, Brett; DeLaRosa, Dana

Subject:

Big Sinks 25 Fed Com 1H_55.29BBLS PW_3.18.2018

Attachments:

Big Sinks 25 Fed Com 1H_55.29BBLS PW_3.18.2018_GIS Image.pdf; Big Sinks Draw 25

Fed Com 1_55 bbls PW_3.18.18 Inital C-141.doc

Good Evening,

Attached is the C141 and the GIS Image for the 55.29BBL Produced Water release that occurred at the Big Sinks 25 Fed Com 1H. The red dot on the GIS image represents the origin of release.

I am also reviewing the other open RP's that were previously identified with this location during a previous release and will provide an update.

If you have any questions, feel free to contact me.

Have a great day.

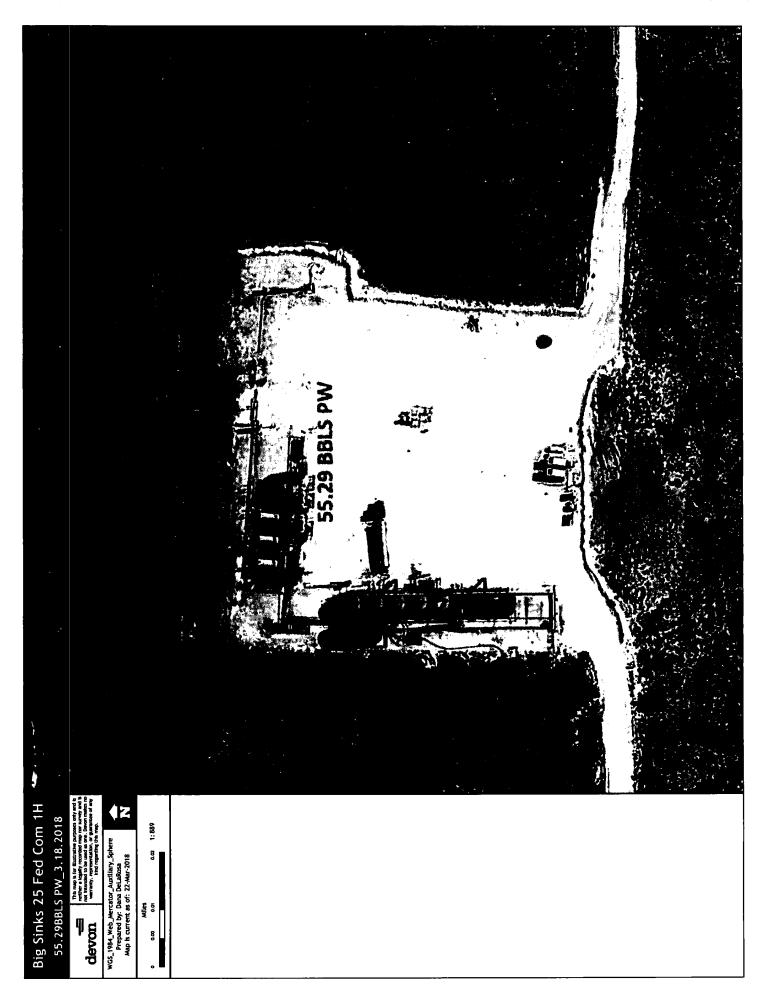
Mike Shoemaker EHS Representative

Devon Energy Corporation

6488 Seven Rivers Highway Artesia, New Mexico 88210 575-746-5566 Office 575-513-5035 Mobile



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.



Bratcher, Mike, EMNRD

From:

Fulks, Brett <Brett.Fulks@dvn.com>

Sent:

Sunday, March 18, 2018 10:20 AM

To:

Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD Shoemaker, Mike; Perry, Hubert; Aguilar, Leonard; Honea, Tammy

Cc: Subject:

Jasper 32 State Com 4H Release Notification

Good morning,

Devon identified the following release at approximately 10:30 AM MST on 03/17/18.

1. Jasper 32 State Com 4H (API #30-015-38476)

A fire tube gasket on the heater treater failed, releasing approximately 17 bbls of oil and 73 bbls of produced water, all of which stayed on location, with 15 bbls of oil being recovered.

A C-141 will be prepared and submitted with GPS coordinates of the area affected.

Thanks,

Brett Fulks EHS Representative

Devon Energy Corporation

6488 Seven Rivers Highway Artesia, New Mexico 88210 575 748 1844 Direct 432 301 3223 Mobile



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

State of New Mexico

Lucidord ID NA P1800257602

Incident ID	NAB1809357602
District RP	
Facility ID	
Application ID	

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?	<50' (ft bgs)			
Did this release impact groundwater or surface water?	Yes X No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X 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 X 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 k☐ 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?				
Are the lateral extents of the release within a 100-year floodplain?				
Did the release impact areas not on an exploration, development, production, or storage site?	Yes No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody				

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.

Received by OCD: 5/18/2023 3:36:03 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Received by:

	Page 33	of 115				
A D 1000257602						

T 11 TD	
Incident ID	NAB1809357602
District RP	
Facility ID	
Application ID	

Date: _____

Page 34 of 115

Incident ID	NAB1809357602
District RP	
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	items must be included in the closure report.
X A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
X Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate OD	C 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 certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regul restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 NM	ations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. Title: Environmental Professional
email:dale.woodall@dvn.com	Telephone: 575-748-1839
OCD Only	
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

 From:
 sebastian@pimaoil.com

 To:
 ocdonline@state.nm.us

 Cc:
 Polly@pimaoil.com

Subject: FW: Jasper 32 State Com 4H (PAB1911934418, nAPP2307224977) - 48 Hour Notification

Date: Tuesday, April 25, 2023 11:27:18 AM

Attachments: <u>image001.png</u>

My apologies, the 48-Hour notification listed below should have included incident number NAB1809357602 associated with the Jasper 32 State Com 4H. Thank you.

Respectfully, Sebastian Orozco

From: sebastian@pimaoil.com <sebastian@pimaoil.com>

Sent: Friday, April 21, 2023 3:52 PM

To: ocdonline@state.nm.us

Cc: tom@pimaoil.com; 'Gio PimaOil' <gio@pimaoil.com>

Subject: Jasper 32 State Com 4H (PAB1911934418, nAPP2307224977) - 48 Hour Notification

Good afternoon,

Pima Environmental would like to notify you that we will be conducting a confirmation sampling event at the Jasper 32 State Com 4H (PAB1911934418, nAPP2307224977), on Monday April 24, 2023. Pima personnel will be on location at 6:30 am. Thank you.

Respectfully,
Sebastian Orozco
Environmental Professional
5614 N Lovington Hwy,
Hobbs, NM 88240
Sebastian@pimaoil.com
619-721-4813 cell





Appendix D

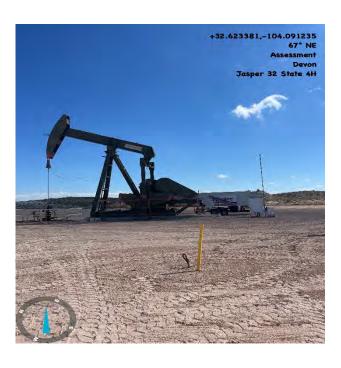
Photographic Documentation

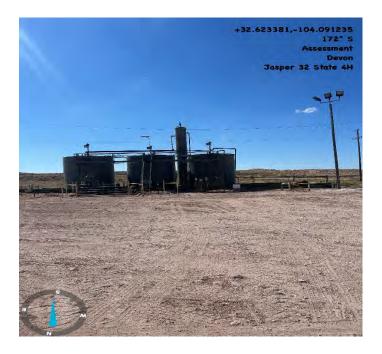


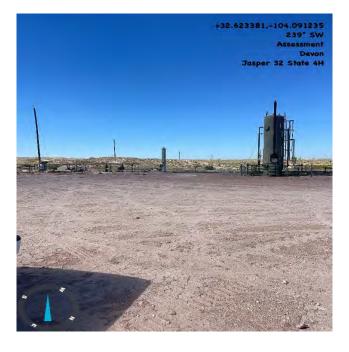
SITE PHOTOGRAPHS DEVON ENERGY JASPER 32 STATE COM 4H

Site Assessment





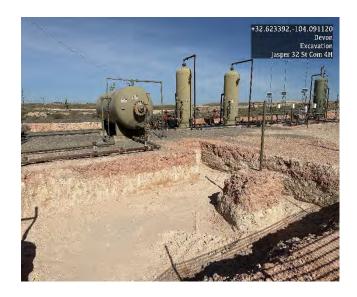






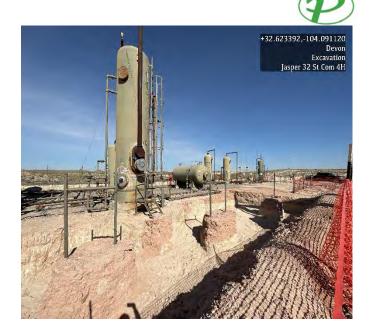


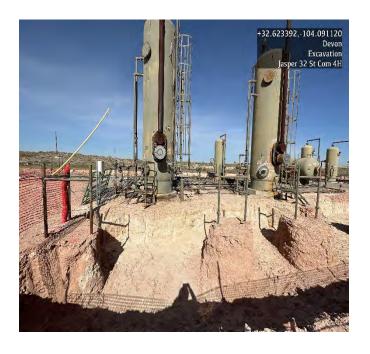
Excavation

















Post Excavation















Appendix E

Laboratory Reports

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jasper 32 # 4H

Work Order: E209175

Job Number: 01058-0007

Received: 9/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/4/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/4/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Jasper 32 # 4H

Workorder: E209175

Date Received: 9/29/2022 10:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/29/2022 10:20:00AM, under the Project Name: Jasper 32 # 4H.

The analytical test results summarized in this report with the Project Name: Jasper 32 # 4H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:29

Client Sample ID	Lab Sample ID M	atrix	Sampled	Received	Container
S.1	E209175-01A S	Soil	09/22/22	09/29/22	Glass Jar, 4 oz.
S.3	E209175-02A S	Soil	09/22/22	09/29/22	Glass Jar, 4 oz.
S.5	E209175-03A S	Soil	09/22/22	09/29/22	Glass Jar, 4 oz.
S.6	E209175-04A S	Soil	09/22/22	09/29/22	Glass Jar, 4 oz.
S.7	E209175-05A S	Soil	09/22/22	09/29/22	Glass Jar, 4 oz.
S.8	E209175-06A S	Soil	09/22/22	09/29/22	Glass Jar, 4 oz.
BG3	E209175-07A S	Soil	09/22/22	09/29/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:29:49PM

S.1

	1207175 01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: IY		Batch: 2240085
ND	0.0250	1	09/29/22	10/02/22	
ND	0.0250	1	09/29/22	10/02/22	
ND	0.0250	1	09/29/22	10/02/22	
ND	0.0250	1	09/29/22	10/02/22	
ND	0.0500	1	09/29/22	10/02/22	
ND	0.0250	1	09/29/22	10/02/22	
	100 %	70-130	09/29/22	10/02/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2240085
ND	20.0	1	09/29/22	10/02/22	
	88.1 %	70-130	09/29/22	10/02/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2240090
ND	25.0	1	09/30/22	10/01/22	
ND	50.0	1	09/30/22	10/01/22	
	109 %	50-200	09/30/22	10/01/22	
mg/kg	mg/kg	Analys	st: KL		Batch: 2240093
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOO % mg/kg mg/kg mg/kg ND 20.0 88.1 % mg/kg ND 25.0 ND 50.0 109 %	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 1 mg/kg mg/kg Analys ND 20.0 1 mg/kg mg/kg Analys ND 25.0 1 ND 50.0 1	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/29/22 ND 0.0250 1 09/29/22 ND 0.0250 1 09/29/22 ND 0.0500 1 09/29/22 ND 0.0250 1 09/29/22 ND 70-130 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/29/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/30/22 ND 50.0 1 09/30/22 109 % 50-200 09/30/22	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/29/22 10/02/22 ND 0.0250 1 09/29/22 10/02/22 ND 0.0250 1 09/29/22 10/02/22 ND 0.0500 1 09/29/22 10/02/22 ND 0.0250 1 09/29/22 10/02/22 ND 0.0250 1 09/29/22 10/02/22 ND 0.0250 1 09/29/22 10/02/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/29/22 10/02/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/30/22 10/01/22 ND 50.0 1 09/30/22 10/01/22 ND 50.0 1 09/30/22 10/01/22

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:29:49PM

S.3

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2240085
Benzene	ND	0.0250	1	09/29/22	10/02/22	
Ethylbenzene	ND	0.0250	1	09/29/22	10/02/22	
Toluene	ND	0.0250	1	09/29/22	10/02/22	
o-Xylene	ND	0.0250	1	09/29/22	10/02/22	
p,m-Xylene	ND	0.0500	1	09/29/22	10/02/22	
Total Xylenes	ND	0.0250	1	09/29/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2240085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2240090
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/22	10/01/22	
Surrogate: n-Nonane		104 %	50-200	09/30/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2240093
Chloride	ND	20.0	1	09/30/22	09/30/22	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:29:49PM

S.5

Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2240085	
Benzene	ND	0.0250	1	09/29/22	10/02/22		
Ethylbenzene	ND	0.0250	1	09/29/22	10/02/22		
Toluene	ND	0.0250	1	09/29/22	10/02/22		
o-Xylene	ND	0.0250	1	09/29/22	10/02/22		
p,m-Xylene	ND	0.0500	1	09/29/22	10/02/22		
Total Xylenes	ND	0.0250	1	09/29/22	10/02/22		
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/29/22	10/02/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2240085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/22	10/02/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	70-130	09/29/22	10/02/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2240090	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/22	10/01/22		
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/22	10/01/22		
Surrogate: n-Nonane		107 %	50-200	09/30/22	10/01/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: KL		Batch: 2240093	
		<u> </u>	·	<u> </u>			



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:29:49PM

S.6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2240085
Benzene	ND	0.0250	1	09/29/22	10/02/22	
Ethylbenzene	ND	0.0250	1	09/29/22	10/02/22	
Toluene	ND	0.0250	1	09/29/22	10/02/22	
o-Xylene	ND	0.0250	1	09/29/22	10/02/22	
p,m-Xylene	ND	0.0500	1	09/29/22	10/02/22	
Total Xylenes	ND	0.0250	1	09/29/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2240085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2240090
Diesel Range Organics (C10-C28)	54.0	25.0	1	09/30/22	10/01/22	
Oil Range Organics (C28-C36)	79.1	50.0	1	09/30/22	10/01/22	
Surrogate: n-Nonane		106 %	50-200	09/30/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2240093
Chloride	ND	20.0	1	09/30/22	10/01/22	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:29:49PM

S.7

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240085
Benzene	ND	0.0250	1	09/29/22	10/02/22	
Ethylbenzene	ND	0.0250	1	09/29/22	10/02/22	
Toluene	ND	0.0250	1	09/29/22	10/02/22	
o-Xylene	ND	0.0250	1	09/29/22	10/02/22	
p,m-Xylene	ND	0.0500	1	09/29/22	10/02/22	
Total Xylenes	ND	0.0250	1	09/29/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2240090
Diesel Range Organics (C10-C28)	47.2	25.0	1	09/30/22	10/01/22	
Oil Range Organics (C28-C36)	78.0	50.0	1	09/30/22	10/01/22	
Surrogate: n-Nonane		107 %	50-200	09/30/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2240093
	ND	20.0	1	09/30/22	10/01/22	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:29:49PM

S.8

		E209175-06				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2240085
Benzene	ND	0.0250	1	09/29/22	10/02/22	
Ethylbenzene	ND	0.0250	1	09/29/22	10/02/22	
Toluene	ND	0.0250	1	09/29/22	10/02/22	
o-Xylene	ND	0.0250	1	09/29/22	10/02/22	
p,m-Xylene	ND	0.0500	1	09/29/22	10/02/22	
Total Xylenes	ND	0.0250	1	09/29/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2240085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.9 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2240090
Diesel Range Organics (C10-C28)	52.3	25.0	1	09/30/22	10/01/22	
Oil Range Organics (C28-C36)	77.1	50.0	1	09/30/22	10/01/22	
Surrogate: n-Nonane		104 %	50-200	09/30/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2240093
Chloride	ND	20.0	1	09/30/22	10/01/22	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:29:49PM

BG3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY	<u>-</u>	Batch: 2240085
Benzene	ND	0.0250	1	09/29/22	10/02/22	
Ethylbenzene	ND	0.0250	1	09/29/22	10/02/22	
Toluene	ND	0.0250	1	09/29/22	10/02/22	
o-Xylene	ND	0.0250	1	09/29/22	10/02/22	
p,m-Xylene	ND	0.0500	1	09/29/22	10/02/22	
Total Xylenes	ND	0.0250	1	09/29/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2240085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	09/29/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2240090
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/22	10/01/22	
Surrogate: n-Nonane		106 %	50-200	09/30/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2240093



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:29:49PM

Plains TX, 79355-0247		Project Manager		om Bynum				1	0/4/2022 3:29:49PM
		Volatile C	Organics b	y EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240085-BLK1)]	Prepared: 0	9/29/22 An	alyzed: 10/02/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			
LCS (2240085-BS1)]	Prepared: 0	9/29/22 An	alyzed: 10/02/22
Benzene	5.19	0.0250	5.00		104	70-130			
Ethylbenzene	4.24	0.0250	5.00		84.9	70-130			
Toluene	4.52	0.0250	5.00		90.4	70-130			
o-Xylene	4.34	0.0250	5.00		86.7	70-130			
p,m-Xylene	8.58	0.0500	10.0		85.8	70-130			
Total Xylenes	12.9	0.0250	15.0		86.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			
LCS Dup (2240085-BSD1)						1	Prepared: 0	9/29/22 An	alyzed: 10/02/22
Benzene	4.83	0.0250	5.00		96.6	70-130	7.27	20	-
Ethylbenzene	3.94	0.0250	5.00		78.8	70-130	7.38	20	
Toluene	4.20	0.0250	5.00		84.0	70-130	7.41	20	
o-Xylene	4.03	0.0250	5.00		80.7	70-130	7.18	20	
p,m-Xylene	7.99	0.0500	10.0		79.9	70-130	7.09	20	
Total Xylenes	12.0	0.0250	15.0		80.2	70-130	7.12	20	



Pima Environmental Services-CarlsbadProject Name:Jasper 32 # 4HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/2022 3:29:49PM

Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2240085-BLK1) Prepared: 09/29/22 Analyzed: 10/02/22										

Blank (2240085-BLK1)						Prepared: 09	9/29/22 A	nalyzed: 10/02/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00	89.1	70-130			
LCS (2240085-BS2)						Prepared: 09	9/29/22 A	nalyzed: 10/02/22
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00	90.1	70-130			
LCS Dup (2240085-BSD2)						Prepared: 09	9/29/22 A	nalyzed: 10/02/22
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	82.0	70-130	8.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00	88.1	70-130			



QC Summary Data

Jasper 32 # 4H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Tom Bynum Plains TX 79355-0247 10/4/2022 3·29·49PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					10/4/2022 3:29:49PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240090-BLK1)							Prepared: 09	9/30/22 Aı	nalyzed: 09/30/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.6		50.0		99.1	50-200			
LCS (2240090-BS1)							Prepared: 09	9/30/22 Aı	nalyzed: 09/30/22
Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			
Matrix Spike (2240090-MS1)				Source:	E209175-	01	Prepared: 09	9/30/22 Aı	nalyzed: 09/30/22
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike Dup (2240090-MSD1)				Source:	E209175-	01	Prepared: 09	9/30/22 Aı	nalyzed: 09/30/22
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	0.0970	20	
Surrogate: n-Nonane	52.4		50.0		105	50-200			



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager	0	asper 32 # 4H 1058-0007 om Bynum					Reported: 10/4/2022 3:29:49PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: KL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2240093-BLK1)							Prepared: 09	9/30/22 Aı	nalyzed: 09/30/22
Chloride	ND	20.0							
LCS (2240093-BS1)							Prepared: 09	9/30/22 Aı	nalyzed: 09/30/22
Chloride	244	20.0	250		97.6	90-110			
LCS Dup (2240093-BSD1)							Prepared: 09	9/30/22 Aı	nalyzed: 09/30/22
Chloride	243	20.0	250		97.4	90-110	0.205	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 # 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:29

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Pima Environmental Services Project: JASDEY 32 #4H Attention: DEVEN		.v. 2 m		يا ر	ab U	e On	ly	1,83				TA	ī	EPA P	rogram
			WO#			Job I	Num	ber		D 2	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum Address: Address: 5614 N. Lovington Hwy. City, State, Zip]	Ea	00	LL		صيحم		OO)			·	Щ.			RCRA
City, State, Zip Hobbs, NM, 88240 Phone:					<u> </u>				Ť	T					
Phone: 580-748-1613 Email:		210	210									 		State	
mail: tom@pimaoil.com Report due by: HUAN VANA Keywandis Pima Project # 25		5 by 8	by 8	2021	န္တ	919	300.0			ξ	ř		NM CO	UT AZ	TX
Time Date Matrix No. of Sample ID	Lab	DRO/ORO by 8015	GRO/DRO by 8	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			υL				Remarks	
Sampled Sampled Containers	Number	DR(8	ᇤ	Ş	Ğ.	Š	-	_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Верос	$\vdash \vdash$		Vellialva	
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Additional Instructions: 20868750															
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabel ate or time of collection is considered fraud and may be grounds for legal action.	iling the sample	locati	ÑΟ	lez			-	-	-				sived on ice the day t i°C on subsequent da		ed or received
relinquished by: (Signature) Date Time Received by: (Signature)	Marke) 4	B	Πισφ 7-	7	12	Hec	eived	on le	5:	(A)	b Us Y N	se Onl	Y		
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ample Matrix: S - Soji, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container	Туре	E (8 -	glass,	p - p				mber	glass	, v -	VOA	<u> and and an element</u>	The second Second Second	
lote: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous									client	expe	nse.	The re	eport for the ana	lysis of the	above

Printed: 9/29/2022 1:07:17PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/29/22	10:20		Work Order ID:	E209175
Phone:	(575) 631-6977	Date Logged In:	09/28/22	16:37		Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/05/22	17:00 (4 day TAT)			
1. Does th 2. Does th 3. Were sa 4. Was the	Custody (COC) e sample ID match the COC? e number of samples per sampling site location management of the country of the cou	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>U</u>	JPS		
	i.e, 15 minute hold time, are not included in this disucssi	on.		,		Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	ample cooler received?		Yes				
•	vas cooler received in good condition?		Yes				
9. Was the	sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples an minutes of sampling	re received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	e temperature: 4°0	<u> </u>				
Sample C							
	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the a	ppropriate volume/weight or number of sample contai	ners collected?	Yes				
Sa	el Teld sample labels filled out with the minimum info Imple ID? Teld Time Collected?	ormation:	Yes Yes				
Co	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontra	act Laboratory						
	mples required to get sent to a subcontract laborate	nrv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab	o. na		
				Suo Commune Luo			
Client In	struction						

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jasper 32 State Com 4H

Work Order: E210054

Job Number: 21064-0001

Received: 10/13/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/17/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/17/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Jasper 32 State Com 4H

Workorder: E210054

Date Received: 10/13/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/13/2022 10:30:00AM, under the Project Name: Jasper 32 State Com 4H.

The analytical test results summarized in this report with the Project Name: Jasper 32 State Com 4H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Lynn Jan Due

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

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Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 State Com 4H	Reported:
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/17/22 13:45

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
S6 - 5'	E210054-01A Soil	10/11/22	10/13/22	Glass Jar, 4 oz.
S7 - 3'	E210054-02A Soil	10/11/22	10/13/22	Glass Jar, 4 oz.
S8 - 2'	E210054-03A Soil	10/11/22	10/13/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 State Com 4H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/17/2022 1:45:18PM

S6 - 5' E210054-01

		E210034-01				
Andrea	Result	Reporting Limit	Dilution	Doggan	A lama d	Notes
Analyte	Result	Lillit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2242037
Benzene	ND	0.0250	1	10/11/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/14/22	
Toluene	ND	0.0250	1	10/11/22	10/14/22	
o-Xylene	ND	0.0250	1	10/11/22	10/14/22	
o,m-Xylene	ND	0.0500	1	10/11/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/14/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/11/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2242037
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	10/11/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2242039
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/22	10/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/22	10/14/22	
Surrogate: n-Nonane		110 %	50-200	10/13/22	10/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2242042
Chloride	21.8	20.0	1	10/12/22	10/13/22	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 State Com 4H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/17/2022 1:45:18PM

S7 - 3'

E210054-02

		Damati				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242037
Benzene	ND	0.0250	1	10/11/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/14/22	
Toluene	ND	0.0250	1	10/11/22	10/14/22	
o-Xylene	ND	0.0250	1	10/11/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/14/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/11/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242037
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/14/22	·
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	10/11/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2242039
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/22	10/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/22	10/14/22	
Surrogate: n-Nonane		108 %	50-200	10/13/22	10/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2242042
Chloride	23.3	20.0	1	10/12/22	10/13/22	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 State Com 4H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/17/2022 1:45:18PM

S8 - 2'

E210054-03

	Danartina				
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: RKS		Batch: 2242037
ND	0.0250	1	10/11/22	10/14/22	
ND	0.0250	1	10/11/22	10/14/22	
ND	0.0250	1	10/11/22	10/14/22	
ND	0.0250	1	10/11/22	10/14/22	
ND	0.0500	1	10/11/22	10/14/22	
ND	0.0250	1	10/11/22	10/14/22	
	104 %	70-130	10/11/22	10/14/22	
mg/kg	mg/kg	A	nalyst: RKS		Batch: 2242037
ND	20.0	1	10/11/22	10/14/22	
	96.5 %	70-130	10/11/22	10/14/22	
mg/kg	mg/kg	A	nalyst: JL		Batch: 2242039
ND	25.0	1	10/13/22	10/14/22	
ND	50.0	1	10/13/22	10/14/22	
1112					
11.0	115 %	50-200	10/13/22	10/14/22	
mg/kg	115 % mg/kg		10/13/22 nalyst: KL	10/14/22	Batch: 2242042
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 104 % mg/kg mg/kg ND 20.0 96.5 % mg/kg ND 25.0	Result Limit Dilution mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 mg/kg mg/kg A ND 20.0 1 g6.5 % 70-130 70-130 mg/kg mg/kg A ND 25.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 10/11/22 ND 0.0250 1 10/11/22 ND 0.0250 1 10/11/22 ND 0.0250 1 10/11/22 ND 0.0500 1 10/11/22 ND 0.0250 1 10/11/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 10/11/22 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL ND 25.0 1 10/13/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 10/11/22 10/14/22 ND 0.0500 1 10/11/22 10/14/22 ND 0.0250 1 10/11/22 10/14/22 mg/kg Mg/kg Analyst: RKS ND 20.0 1 10/11/22 10/14/22 mg/kg Mg/kg Analyst: JL 10/14/22 mg/kg mg/kg Analyst: JL ND 25.0 1 10/13/22 10/14/22



Jasper 32 State Com 4H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 21064-0001 Plains TX, 79355-0247 Project Manager: Tom Bynum 10/17/2022 1:45:18PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2242037-BLK1) Prepared: 10/11/22 Analyzed: 10/13/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.29 8.00 104 70-130 LCS (2242037-BS1) Prepared: 10/11/22 Analyzed: 10/13/22 4.76 95.3 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.70 0.0250 5.00 94.0 70-130 4.84 0.0250 5.00 96.8 70-130 Toluene o-Xylene 4.83 0.0250 5.00 96.6 70-130 9.52 10.0 95.2 70-130 0.0500 p.m-Xvlene 95.7 70-130 14.4 15.0 Total Xylenes 0.0250 8.00 105 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.39 Source: E210053-05 Matrix Spike (2242037-MS1) Prepared: 10/11/22 Analyzed: 10/13/22 5.43 0.0250 5.00 ND 54-133 Benzene ND 107 61-133 Ethylbenzene 5.34 0.0250 5.00 Toluene 5.52 0.0250 5.00 0.0295 110 61-130 5.50 ND 110 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.8 0.0500 10.0 ND 108 63-131 16.3 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.39 8.00 Matrix Spike Dup (2242037-MSD1) Source: E210053-05 Prepared: 10/11/22 Analyzed: 10/14/22 4.85 0.0250 5.00 ND 97.0 54-133 11.2 4.77 61-133 11.3 0.0250 5.00 ND 95.5 20 Ethylbenzene 61-130 Toluene 4 94 0.0250 5.00 0.0295 98.2 11.1 20 4.91 5.00 ND 98.1 63-131 11.5 20 o-Xylene 0.0250 9.67 10.0 ND 96.7 63-131 11.1 20 p,m-Xylene 0.0500 Total Xylenes 14.6 0.0250 15.0 ND 97.2 63-131 11.2 20

8.00

105

70-130



Surrogate: 4-Bromochlorobenzene-PID

8.37

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 State Com 4H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/17/2022 1:45:18PM

Plains TX, 79355-0247		Project Manage		m Bynum				10/	17/2022 1:45:18PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2242037-BLK1)							Prepared: 10	0/11/22 Anal	yzed: 10/13/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			
LCS (2242037-BS2)							Prepared: 10	0/11/22 Anal	yzed: 10/13/22
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			
Matrix Spike (2242037-MS2)				Source:	E210053-	05	Prepared: 1	0/11/22 Anal	yzed: 10/14/22
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			
Matrix Spike Dup (2242037-MSD2)				Source:	E210053-	05	Prepared: 1	0/11/22 Anal	yzed: 10/14/22
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130	16.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 State Com 4H	Reported:
PO Box 247	Project Number:	21064-0001	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/17/2022 1:45:18PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					10/17/2022 1:45:18Pi
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242039-BLK1)							Prepared: 1	0/13/22 Aı	nalyzed: 10/13/22
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	51.2		50.0		102	50-200			
LCS (2242039-BS1)							Prepared: 1	0/13/22 Aı	nalyzed: 10/13/22
Diesel Range Organics (C10-C28)	216	25.0	250		86.4	38-132			
urrogate: n-Nonane	50.3		50.0		101	50-200			
Matrix Spike (2242039-MS1)				Source:	E210053-	01	Prepared: 1	0/13/22 Aı	nalyzed: 10/13/22
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.6	38-132			
urrogate: n-Nonane	52.4		50.0		105	50-200			
Matrix Spike Dup (2242039-MSD1)				Source:	E210053-	01	Prepared: 1	0/13/22 Aı	nalyzed: 10/13/22
Diesel Range Organics (C10-C28)	220	25.0	250	ND	87.8	38-132	4.24	20	
urrogate: n-Nonane	53.5		50.0		107	50-200			



Matrix Spike Dup (2242042-MSD1)

Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager	2	asper 32 State C 1064-0001 fom Bynum	om 4H				Reported: 10/17/2022 1:45:18PM
Tamb 11, 7555 0217				300.0/9056A					Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242042-BLK1)							Prepared: 1	0/12/22 Aı	nalyzed: 10/13/22
Chloride	ND	20.0							
LCS (2242042-BS1)							Prepared: 10	0/12/22 Aı	nalyzed: 10/14/22
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2242042-MS1)				Source: E	210053-	01	Prepared: 1	0/12/22 Aı	nalyzed: 10/14/22
Chloride	256	20.0	250	ND	102	80-120			

250

20.0

Source: E210053-01

102

80-120

0.183

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 10/12/22 Analyzed: 10/14/22

20

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 State Com 4H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/17/22 13:45

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Page	of
	ogram
CWA	SDWA
	RCRA

Chain of Custody

TAT Client: Pima Environmental Services
Project: TOSDER 32 SHOTE COMULH Lab Use Only Attention: Di 3D Standard 1D 2D Job Number *210104000*1 Project Manager: Tom Bynum Address: **Analysis and Method** Address: 5614 N. Lovington Hwy. City, State, Zip Phone: City, State, Zip Hobbs, NM, 88240 State Phone: 580-748-1613 DRO/ORO by 8015 Email: GRO/DRO by 8015 NM CO UT AZ TX tom@pimaoil.com Chloride 300.0 Ž BTEX by 8021 VOC by 8260 Metals 6010 Pima Project # Report due by: **BGDOC** Lab Time No. of Remarks Sample ID Matrix Number Containers Sampled Sampled 2 2 Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. date or time of collection is considered fraud and may be grounds for legal action. Lab Use Only Receiye**/** Relinquished by: (Signature) Received on ice: Relinggished by: (Signature) Received by: (Signature) Relinquished by: (Signature) Date AVG Temp °C_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Page 74 of 115

Printed: 10/13/2022 12:17:31PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	10/13/22	10:30		Work Order ID:	E210054
Phone:	(575) 631-6977	Date Logged In:	10/11/22	16:42		Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/17/22	17:00 (2 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	IPS		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier. <u>c</u>	<u> </u>		
	Il samples received within holding time?	,	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion			•		Comments	s/Resolution
Sample T	<u> Curn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
		temperature. 4	<u>~</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	· · ·	ers conected?	105				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	illiation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	w9	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	· no		
	· - ·	so who:	1421	Subcontract Lau	л. на		
Client Ir	<u>nstruction</u>						

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jasper 32 ST 4H

Work Order: E304189

Job Number: 01058-0007

Received: 4/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/28/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/28/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Jasper 32 ST 4H

Workorder: E304189

Date Received: 4/27/2023 7:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/27/2023 7:20:00AM, under the Project Name: Jasper 32 ST 4H.

The analytical test results summarized in this report with the Project Name: Jasper 32 ST 4H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	Donouted.
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/28/23 15:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 1	E304189-01A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 2	E304189-02A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 3	E304189-03A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 4	E304189-04A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 5	E304189-05A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 6	E304189-06A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 7	E304189-07A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 8	E304189-08A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 9	E304189-09A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 10	E304189-10A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 11	E304189-11A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CS 12	E304189-12A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 1	E304189-13A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 2	E304189-14A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 3	E304189-15A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 4	E304189-16A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 5	E304189-17A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 6	E304189-18A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 7	E304189-19A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 8	E304189-20A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 9	E304189-21A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.
CSW 10	E304189-22A	Soil	04/24/23	04/27/23	Glass Jar, 2 oz.

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 1

		E504107-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	_	1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		84.7 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: BA		Batch: 2317055
Chloride	ND	20.0		1	04/27/23	04/27/23	

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 2 E304189-02

		1204107-02					
Analysis	Dlv	Reporting			D	A l	N
Analyte	Result	Limit	Dill	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250	į	1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		99.5 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		99.5 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		85.0 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2317055
Chloride	ND	20.0		1	04/27/23	04/27/23	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 3 E304189-03

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2317050
Benzene	ND	0.0250	1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/27/23	
Toluene	ND	0.0250	1	04/27/23	04/27/23	
o-Xylene	ND	0.0250	1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		97.1 %	70-130	04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	04/27/23	04/27/23	
Surrogate: Toluene-d8		99.9 %	70-130	04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		97.1 %	70-130	04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	04/27/23	04/27/23	
Surrogate: Toluene-d8		99.9 %	70-130	04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/27/23	
Surrogate: n-Nonane		84.5 %	50-200	04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA		Batch: 2317055
Chloride	ND	20.0	1	04/27/23	04/27/23	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 4

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL	,		Batch: 2317050
Benzene	ND	0.0250	1		04/27/23	04/27/23	
Ethylbenzene	ND	0.0250	1		04/27/23	04/27/23	
Toluene	ND	0.0250	1		04/27/23	04/27/23	
o-Xylene	ND	0.0250	1		04/27/23	04/27/23	
p,m-Xylene	ND	0.0500	1		04/27/23	04/27/23	
Total Xylenes	ND	0.0250	1		04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		96.6 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.7 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL	,		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		96.6 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.7 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KN	М		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1		04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/27/23	04/27/23	
Surrogate: n-Nonane		84.4 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA	A		Batch: 2317055
14Hions by 12111 500:0/705011							



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 5 E304189-05

		2001105 00					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	Batch: 2317030
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		95.9 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.3 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		95.9 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.3 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		79.5 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: BA		Batch: 2317055
Chloride	ND	20.0		1	04/27/23	04/27/23	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 6 E304189-06

		220.107 00					
Analyte	Result	Reporting Limit	Dilut	tion Pre	pared	Analyzed	Notes
				Analyst: SL	purcu	Tillaryzea	Batch: 2317050
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg			27/22	0.4/0.7/00	Batch: 231/030
Benzene	ND	0.0250	1		27/23	04/27/23	
Ethylbenzene	ND	0.0250	1		27/23	04/27/23	
Toluene	ND	0.0250	1		27/23	04/27/23	
o-Xylene	ND	0.0250	1		27/23	04/27/23	
p,m-Xylene	ND	0.0500	1	04/	27/23	04/27/23	
Total Xylenes	ND	0.0250	1	04/	27/23	04/27/23	
Surrogate: Bromofluorobenzene		97.2 %	70-130	04/.	27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	04/.	27/23	04/27/23	
Surrogate: Toluene-d8		100 %	70-130	04/.	27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL			Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/	27/23	04/27/23	
Surrogate: Bromofluorobenzene		97.2 %	70-130	04/.	27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	04/	27/23	04/27/23	
Surrogate: Toluene-d8		100 %	70-130	04/.	27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1	04/	27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/	27/23	04/27/23	
Surrogate: n-Nonane		85.0 %	50-200	04/.	27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA			Batch: 2317055
Chloride	ND	20.0	1	04/	27/23	04/27/23	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 7

		E304189-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		100 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		102 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		100 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		102 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		85.9 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2317055
Chloride	ND	20.0		1	04/27/23	04/27/23	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 8

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		97.9 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		99.9 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		97.9 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		99.9 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane	·	84.1 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2317055
						04/27/23	

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 9

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		93.6 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		93.6 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		88.5 %	50-200		04/27/23	04/27/23	
		ma/ka		Analyst:	BA		Batch: 2317055
Anions by EPA 300.0/9056A	mg/kg	mg/kg		r thany st.			Buten: 2317033



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 10 E304189-10

		1204107-10					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.0 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.0 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		89.0 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2317055
Chloride	ND	20.0		1	04/27/23	04/27/23	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

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		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Benzene	ND	0.0250	1		04/27/23	04/27/23	
Ethylbenzene	ND	0.0250	1		04/27/23	04/27/23	
Toluene	ND	0.0250	1		04/27/23	04/27/23	
o-Xylene	ND	0.0250	1		04/27/23	04/27/23	
p,m-Xylene	ND	0.0500	1	l	04/27/23	04/27/23	
Total Xylenes	ND	0.0250	1		04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		100 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ.	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		100 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1		04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ.	04/27/23	04/27/23	
Surrogate: n-Nonane		87.9 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2317055
11110115 6 1 11111 0 0 0 0 0 1 1							

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CS 12 E304189-12

	_	Reporting	_				
Analyte	Result	Limit	Dilut	tion Pre	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL			Batch: 2317050
Benzene	ND	0.0250	1	04/	27/23	04/27/23	
Ethylbenzene	ND	0.0250	1	04/	27/23	04/27/23	
Toluene	ND	0.0250	1	04/	27/23	04/27/23	
o-Xylene	ND	0.0250	1	04/	27/23	04/27/23	
p,m-Xylene	ND	0.0500	1	04/	27/23	04/27/23	
Total Xylenes	ND	0.0250	1	04/	27/23	04/27/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/	27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/.	27/23	04/27/23	
Surrogate: Toluene-d8		99.7 %	70-130	04/.	27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL			Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/	27/23	04/27/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/.	27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/.	27/23	04/27/23	
Surrogate: Toluene-d8		99.7 %	70-130	04/.	27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KM			Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1	04/	27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/	27/23	04/27/23	
Surrogate: n-Nonane		90.6 %	50-200	04/.	27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA			Batch: 2317055



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 1

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: S	SL		Batch: 2317050
Benzene	ND	0.0250	1		04/27/23	04/27/23	
Ethylbenzene	ND	0.0250	1		04/27/23	04/27/23	
Toluene	ND	0.0250	1		04/27/23	04/27/23	
o-Xylene	ND	0.0250	1		04/27/23	04/27/23	
p,m-Xylene	ND	0.0500	1		04/27/23	04/27/23	
Total Xylenes	ND	0.0250	1		04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		108 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.5 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: S	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		108 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.5 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: l	KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1		04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/27/23	04/27/23	
Surrogate: n-Nonane		87.3 %	50-200	·	04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: l	ВА		Batch: 2317055
						04/27/23	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 2

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Benzene	ND	0.0250	1	l	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250	1	l	04/27/23	04/27/23	
Toluene	ND	0.0250	1	l	04/27/23	04/27/23	
o-Xylene	ND	0.0250	1	l	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500	1	l	04/27/23	04/27/23	
Total Xylenes	ND	0.0250	1	l	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.7 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		98.7 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1		04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	l	04/27/23	04/27/23	
Surrogate: n-Nonane		90.3 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2317055

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 3

		E304189-15					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		99.4 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		99.4 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		89.0 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2317055
Chloride	ND	20.0		1	04/27/23	04/27/23	



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 4

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		91.7 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		91.7 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		89.4 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: BA		Batch: 2317055
	ND	20.0		1	04/27/23	04/27/23	

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 5

]	E304189-17					
	Reporting					
ılt	Limit	Dilution	Prepared	Analyzed	Notes	
ζσ	mo/ko	Analyst:	: SL		Batch: 2317050	

04/27/23

04/27/23

		reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2317050
Benzene	ND	0.0250	1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/27/23	
Toluene	ND	0.0250	1	04/27/23	04/27/23	
o-Xylene	ND	0.0250	1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		94.9 %	70-130	04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/27/23	04/27/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		94.9 %	70-130	04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/27/23	04/27/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/27/23	
Surrogate: n-Nonane		79.4 %	50-200	04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2317055

20.0

ND

Chloride

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 6

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2317050
Benzene	ND	0.0250		1	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250		1	04/27/23	04/27/23	
Toluene	ND	0.0250		1	04/27/23	04/27/23	
o-Xylene	ND	0.0250		1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500		1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		94.1 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		94.1 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/27/23	04/27/23	
Surrogate: n-Nonane		76.9 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2317055
· · · · · · · · · · · · · · · · · · ·	ND	20.0		1	04/27/23	04/27/23	

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 7 E304189-19

Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: SL Batch: 2317050 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 04/27/23 ND 0.0250 04/27/23 Benzene 1 04/27/23 04/27/23 Ethylbenzene ND 0.0250ND 0.0250 1 04/27/23 04/27/23 Toluene 1 04/27/23 04/27/23 o-Xylene ND 0.02501 04/27/23 04/27/23 ND 0.0500 p,m-Xylene 04/27/23 1 04/27/23 Total Xylenes ND 0.0250 04/27/23 04/27/23 Surrogate: Bromofluorobenzene 93.1 % 70-130 Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 04/27/2304/27/23 Surrogate: Toluene-d8 101 % 70-130 04/27/2304/27/23Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: SL Batch: 2317050 ND 1 04/27/23 04/27/23 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 93.1 % 04/27/23 04/27/23 70-130 101 % 04/27/23 04/27/23 Surrogate: 1,2-Dichloroethane-d4 70-130 Surrogate: Toluene-d8 04/27/23 04/27/23 101 % 70-130 mg/kg Analyst: KM Batch: 2317047 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 04/27/23 ND 25.0 1 04/27/23 Diesel Range Organics (C10-C28) ND 50.0 1 04/27/23 04/27/23

77.0 %

mg/kg

20.0

mg/kg

ND

50-200

04/27/23

04/27/23

Analyst: BA

1

04/27/23

04/27/23

Batch: 2317055

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 8

E304189-20	E30)41	.89	-2	U
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		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: S	SL		Batch: 2317050
Benzene	ND	0.0250	1		04/27/23	04/27/23	
Ethylbenzene	ND	0.0250	1		04/27/23	04/27/23	
Toluene	ND	0.0250	1		04/27/23	04/27/23	
o-Xylene	ND	0.0250	1		04/27/23	04/27/23	
p,m-Xylene	ND	0.0500	1		04/27/23	04/27/23	
Total Xylenes	ND	0.0250	1		04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		94.2 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: S	SL		Batch: 2317050
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		94.2 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	ζM		Batch: 2317047
Diesel Range Organics (C10-C28)	ND	25.0	1		04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/27/23	04/27/23	
Surrogate: n-Nonane		82.3 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	ı	Analyst: E	BA		Batch: 2317055
7 HIOHS DY E117 500:0/203011							



Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 9

		E304189-21							
Reporting									
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2317051		
Benzene	ND	0.0250	1	1	04/27/23	04/27/23			
Ethylbenzene	ND	0.0250	1	1	04/27/23	04/27/23			
Toluene	ND	0.0250	1	1	04/27/23	04/27/23			
o-Xylene	ND	0.0250	1	1	04/27/23	04/27/23			
p,m-Xylene	ND	0.0500	1	1	04/27/23	04/27/23			
Total Xylenes	ND	0.0250	1	1	04/27/23	04/27/23			
Surrogate: Bromofluorobenzene		94.5 %	70-130		04/27/23	04/27/23			
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/27/23	04/27/23			
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2317051		
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/27/23	04/27/23			
Surrogate: Bromofluorobenzene		94.5 %	70-130		04/27/23	04/27/23			
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/27/23	04/27/23			
Surrogate: Toluene-d8		101 %	70-130		04/27/23	04/27/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317048		
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/27/23	04/27/23			
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/27/23	04/27/23			
Surrogate: n-Nonane		84.0 %	50-200		04/27/23	04/27/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2317054		

20.0

04/27/23

04/27/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

CSW 10

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2317051
Benzene	ND	0.0250	1	l	04/27/23	04/27/23	
Ethylbenzene	ND	0.0250	1	1	04/27/23	04/27/23	
Toluene	ND	0.0250	1	1	04/27/23	04/27/23	
o-Xylene	ND	0.0250	1	1	04/27/23	04/27/23	
p,m-Xylene	ND	0.0500	1	1	04/27/23	04/27/23	
Total Xylenes	ND	0.0250	1	1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		93.7 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		99.8 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2317051
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/27/23	04/27/23	
Surrogate: Bromofluorobenzene		93.7 %	70-130		04/27/23	04/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/27/23	04/27/23	
Surrogate: Toluene-d8		99.8 %	70-130		04/27/23	04/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/27/23	04/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/27/23	04/27/23	
Surrogate: n-Nonane		83.0 %	50-200		04/27/23	04/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2317054

Jasper 32 ST 4H Pima Environmental Services-Carlsbad Project Name: Reported: Project Number: PO Box 247 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 4/28/2023 3:50:19PM **Volatile Organic Compounds by EPA 8260B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2317050-BLK1) Prepared: 04/27/23 Analyzed: 04/27/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.487 0.500 97.4 70-130 Surrogate: 1,2-Dichloroethane-d4 0.495 0.500 98.9 70-130 0.500 101 70-130 Surrogate: Toluene-d8 0.505 LCS (2317050-BS1) Prepared: 04/27/23 Analyzed: 04/27/23 2.14 0.0250 2.50 85.5 70-130 Benzene 2.50 70-130 2.04 81.4 Ethylbenzene 0.0250 2.04 0.0250 2.50 81.7 70-130 85.0 70-130 2.13 0.0250 2.50 o-Xylene 4.18 5.00 83.5 70-130 p,m-Xylene 0.0500 6.30 0.0250 7.50 84.0 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.494 0.500 98.8 70-130 0.500 95.9 70-130 Surrogate: 1,2-Dichloroethane-d4 0.480 70-130 Surrogate: Toluene-d8 0.496 0.500 Matrix Spike (2317050-MS1) Source: E304189-04 Prepared: 04/27/23 Analyzed: 04/27/23 2.18 0.0250 2.50 ND 87.2 48-131 45-135 Ethylbenzene 2.12 0.0250 2.50 ND 84.8 48-130 Toluene 2.15 0.0250 2.50 ND 86.0 2.20 0.0250 2.50 ND 87.9 43-135 o-Xylene 4.33 ND 86.6 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.53 0.0250 7.50 ND 87.0 43-135 0.494 0.500 98.8 70-130 Surrogate: Bromofluorobenzene 0.500 96.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.480 0.500 70-130 0.509 Surrogate: Toluene-d8 Matrix Spike Dup (2317050-MSD1) Source: E304189-04 Prepared: 04/27/23 Analyzed: 04/27/23 3.47 2.26 0.0250 2.50 ND 90.3 48-131 23 2.18 0.0250 2.50 ND 87.0 45-135 2.51 27 Ethylbenzene ND 48-130 0.765 24 2.17 2.50 86.6 Toluene 0.0250 o-Xylene 2.30 0.0250 2.50 ND 91.9 43-135 4.36 27 4.45 5.00 ND 88.9 43-135 2.71 27 p,m-Xylene 0.0500 27 6.74 0.0250 7.50 ND 89.9 43-135 3.27 Total Xylenes



0.500

0.500

0.500

102

98.2

100

70-130

70-130

70-130

0.511

0.491

0.502

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Jasper 32 ST 4H Pima Environmental Services-Carlsbad Project Name: Reported: Project Number: PO Box 247 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 4/28/2023 3:50:19PM **Volatile Organic Compounds by EPA 8260B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2317051-BLK1) Prepared: 04/27/23 Analyzed: 04/28/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.523 0.500 105 70-130 Surrogate: 1,2-Dichloroethane-d4 0.527 0.500 105 70-130 0.500 100 70-130 Surrogate: Toluene-d8 0.501 LCS (2317051-BS1) Prepared: 04/27/23 Analyzed: 04/28/23 2.33 0.0250 2.50 93.1 70-130 Benzene 2.50 88.5 70-130 2.21 Ethylbenzene 0.0250 2.21 0.0250 2.50 88.5 70-130 70-130 2.22 0.0250 2.50 88.6 o-Xylene 4.34 5.00 86.8 70-130 p,m-Xylene 0.0500 6.55 0.0250 7.50 87.4 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.540 0.500 108 70-130 0.500 109 70-130 Surrogate: 1,2-Dichloroethane-d4 0.547 70-130 Surrogate: Toluene-d8 0.497 0.500 Matrix Spike (2317051-MS1) Source: E304190-02 Prepared: 04/27/23 Analyzed: 04/28/23 2.38 0.0250 2.50 ND 95.3 48-131 45-135 Ethylbenzene 2.28 0.0250 2.50 ND 91.3 92.2 48-130 Toluene 2.30 0.0250 2.50 ND 2.31 0.0250 2.50 ND 92.2 43-135 o-Xylene 4.50 ND 90.0 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.80 0.0250 7.50 ND 90.7 43-135 0.542 0.500 108 70-130 Surrogate: Bromofluorobenzene 0.533 0.500 107 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.505 Surrogate: Toluene-d8 Matrix Spike Dup (2317051-MSD1) Source: E304190-02 Prepared: 04/27/23 Analyzed: 04/28/23 2.41 0.0250 2.50 ND 96.2 48-131 1.02 23 2.33 0.0250 2.50 ND 93.0 45-135 1.82 27 Ethylbenzene



ND

ND

ND

ND

2.50

2.50

5.00

7.50

0.500

0.500

0.500

0.0250

0.0250

0.0500

0.0250

93.5

93.4

91.5

92.1

109

108

48-130

43-135

43-135

43-135

70-130

70-130

70-130

1.49

1.27

1.70

1.55

24

27

27

27

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.34

2.34

4.58

6.91

0.544

0.538

0.498

Pima Environmental Services-CarlsbadProject Name:Jasper 32 ST 4HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum4/28/2023 3:50:19PM

Nonhalogenated	Organics 1	by EPA 8015	SD - GRO
Tionnaiogenateu	O Zames	U y ELLIA UUL.	D - GIGO

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2317050-BLK1)							Prepared: 04	1/27/23 Anal	yzed: 04/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			
LCS (2317050-BS2)							Prepared: 04	1/27/23 Anal	yzed: 04/27/23
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
Matrix Spike (2317050-MS2)				Source:	E304189-	04	Prepared: 04	1/27/23 Anal	yzed: 04/27/23
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike Dup (2317050-MSD2)				Source:	E304189-	04	Prepared: 04	1/27/23 Anal	yzed: 04/27/23
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	5.33	20	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



Surrogate: Toluene-d8

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Jasper 32 ST 4HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum4/28/20233:50:19PM

37 1 1 1 1		ED 4 004 FD	CDO
Nonhalogenated	Organics by	7 EPA 8015D	- (÷R()

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2317051-BLK1)							Prepared: 0	4/27/23 Anal	yzed: 04/28/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.527		0.500		105	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			
LCS (2317051-BS2)							Prepared: 0	4/27/23 Anal	yzed: 04/28/23
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.3	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.538		0.500		108	70-130			

Aatrix Spike (2317051-MS2)				Source: E304190-02			Prepared: 04/27/23 Analyzed: 04/28/23
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.2	70-130	
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.541		0.500		108	70-130	
Surrogate: Toluene-d8	0.504		0.500		101	70-130	

99.1

70-130

0.500

0.496

Matrix Spike Dup (2317051-MSD2)				Source:	E304190-	02	Prepared: 04	4/27/23 Analyzed: 04/28/23
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.7	70-130	1.78	20
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.542		0.500		108	70-130		
Surrogate: Toluene-d8	0.511		0.500		102	70-130		

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				4.	/28/2023 3:50:19PM				
Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg mg/kg % % % % % % % % Notes ank (2317047-BLK1) Prepared: 04/27/23 Analyzed: 04/27/23 sest Range Organics (C10-C28) ND 25.0 Range Organics (C28-C36) ND 50.0 crogate: n-Nonane 44.1 50.0 88.3 50-200 CS (2317047-BS1) Prepared: 04/27/23 Analyzed: 04/27/23 sest Range Organics (C10-C28) 25.0 250 105 38-132													
Analyte	Result		•		Rec		RPD						
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes				
Blank (2317047-BLK1)							Prepared: 0	4/27/23 Ana	alyzed: 04/27/23				
Diesel Range Organics (C10-C28)	ND	25.0											
Oil Range Organics (C28-C36)	ND	50.0											
Surrogate: n-Nonane	44.1		50.0		88.3	50-200							
LCS (2317047-BS1)							Prepared: 0	4/27/23 Ana	alyzed: 04/27/23				
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132							
Surrogate: n-Nonane	43.1		50.0		86.2	50-200							
Matrix Spike (2317047-MS1)				Source:	E304189-	01	Prepared: 0	4/27/23 Ana	alyzed: 04/27/23				
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132							
Surrogate: n-Nonane	42.7		50.0		85.5	50-200							
Matrix Spike Dup (2317047-MSD1)				Source:	E304189-	01	Prepared: 0	4/27/23 Ana	alyzed: 04/27/23				
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	0.124	20					
Surrogate: n-Nonane	43.3		50.0		86.6	50-200							



Pima Environmental Services-CarlsbadProject Name:Jasper 32 ST 4HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum4/28/2023 3:50:19PM

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					4/28/2023 3:50:19PN		
Nonhalogenated Organics by EPA 8015D - DRO/ORO											
Analyte	Result		-		Rec		RPD				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2317048-BLK1)							Prepared: 0	4/27/23 Aı	nalyzed: 04/27/23		
riesel Range Organics (C10-C28)	ND	25.0									
il Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	41.1		50.0		82.1	50-200					
.CS (2317048-BS1)							Prepared: 0	4/27/23 Aı	nalyzed: 04/27/23		
riesel Range Organics (C10-C28)	229	25.0	250		91.5	38-132					
urrogate: n-Nonane	39.6		50.0		79.1	50-200					
Aatrix Spike (2317048-MS1)				Source:	E304190-	01	Prepared: 0	4/27/23 Aı	nalyzed: 04/27/23		
riesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	38-132					
urrogate: n-Nonane	37.9		50.0		75.8	50-200					
Matrix Spike Dup (2317048-MSD1)				Source:	E304190-	01	Prepared: 0	4/27/23 A1	nalyzed: 04/28/23		
tiesel Range Organics (C10-C28)	244	25.0	250	ND	97.4	38-132	5.33	20			
urrogate: n-Nonane	39.8		50.0		79.5	50-200					

Analyte

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/28/2023 3:50:19PM

Anions by EPA 300.0/9056A	1
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	Anions by EPA 300.0/9056A											
Result	Reporting Limit	Spike Level	Source Result	Rec Limits	RPD	RPD Limit						
	ma/ka	ma/ka	0/	NI-4								

	Result	Limit	Levei	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2317054-BLK1)							Prepared: 0)4/27/23 <i>I</i>	Analyzed: 04/27/23
Chloride	ND	20.0							
LCS (2317054-BS1)							Prepared: 0	4/27/23	Analyzed: 04/27/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2317054-MS1)				Source:	E304189-	21	Prepared: 0	4/27/23	Analyzed: 04/27/23
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2317054-MSD1)				Source:	E304189-	21	Prepared: 0	4/27/23	Analyzed: 04/27/23
Chloride	237	20.0	250	ND	94.9	80-120	5.27	20	



Matrix Spike Dup (2317055-MSD1)

Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:					Reported: 4/28/2023 3:50:19PM		
		Anions	by EPA	300.0/9056A					Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit	Notes
Blank (2317055-BLK1)							Prepared: 0	4/27/23 A	nalyzed: 04/27/23
Chloride	ND	20.0							
LCS (2317055-BS1)							Prepared: 0	4/27/23 A	nalyzed: 04/27/23
Chloride	243	20.0	250		97.4	90-110			
Matrix Spike (2317055-MS1)				Source: F	2304189-	01	Prepared: 0	4/27/23 A	nalyzed: 04/27/23
Chloride	243	20.0	250	ND	97.4	80-120			

250

20.0

Source: E304189-01

97.3

80-120

0.0333

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 04/27/23 Analyzed: 04/27/23

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Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Jasper 32 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/28/23 15:50

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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Chain of Custody

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Motor Car	mnlas ara di	scarded 30	days after	results are reporte	d unless other arrangements are made. Hazardo	us samples w	ill be n	eturne	ed to c	lient (or disp	osed	of at the cl	lient ex	kpens	e. The	report for the ar	alysis of the	above
camples i	is applicable	only to the	ose sample	s received by the la	boratory with this COC. The liability of the labora	tory is limited	to the	amou	unt pai	d for	on the	repo	rt.						



Client: Pim	o Envi	ronment	al Servi	res T	Bill To		-16.0	A COST	La	b Us	e On	ly				TAT		EPA F	rogram
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Samela Mate	iv S . Soil	Sd - Solid Se	z - Sludge A	- Aqueous, O - Other	000	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Same	ales are di	scarded 30	days after	results are reporte	d unless other arrangements are made. Hazard	ous samples v	vill be r	eturn	ed to c	lient	or disp	osed o	of at the o	lient e	xpens	e. The re	eport for the ar	alysis of th	ne above
	applicable	only to the	oce cample	received by the la	horatory with this COC. The liability of the labor	atory is limited	to the	e amo	unt pa	id for	on the	repor	t.					1 manual manual and a second an	The state of the s



Project Information

Chain of Custody

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Moto: Sa	mples are di	carded 30	days after	results are reported	unless other arrangements are made. Hazard	dous samples w	vill be r	eturn	ed to cl	lient	or disp	osed o	of at the c	lient e	xpen	se. The	e report for the a	nalysis of th	e above
samples	is applicable	only to th	ose sample	s received by the lab	oratory with this COC. The liability of the labor	ratory is limited	to the	amo	unt pai	d for	on the	repor	τ		-			100	



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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Phone: (\$75,641-6077 Due Logged In: 0 M26021 G25 Logged In: By: Cutlin Christian Contribution	Client:	Pima Environmental Services-Carlsbad	Date Received:	04/27/23	07:20		Work Order ID:	E304189
Canal of Custody (COC) Vestor Country	Phone:	(575) 631-6977	Date Logged In:	04/26/23	16:25		Logged In By:	Caitlin Christian
1. Does the sample ID match the COC? Vest Ves							<i>.</i> .	
1. Does the sample ID match the COC? Vest Ves								
2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by elient or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pf which shoulds be conduced in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample (specied intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample reveived on ize of life, the received will 15 minute of samples are received will 15 minute of samples preserved on ize if 15 yes, the recorded lemp is 4°C, i.e., 6°12°C Note: Thermal preservation is not required, if samples are received will 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 14. Are aqueous VOC samples collected in VOA Viuls? 15. Are VOC samples collected in VOA Viuls? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Owers field sample labels filled out with the minimum information: 19. Sample (102°C) 20. Were field sample labels filled out with the minimum information: 19. Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample (a) correcely preserved? 23. Is lab filleration required and/or requested for dissolved metals? Note the containers of the correct containers? 24. Is lab filleration required and/or requested for dissolved metals? Note the containers of the correct containers? 25. Are sample have mo	Chain of	Custody (COC)						
3. Were samples dropped off by client or earnier? Yes Carrier; Courier 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes Secure all samples received within holding time? Yes Comments/Resolution Sweer all samples received within holding time? Yes Comments/Resolution Sample Turn Around Time (TAT) Yes Comments/Resolution Sample Cooler Yes Yes 7. Was a sample cooler received? Yes Yes 8. If yes, was cooler received in good condition? Yes Yes 9. Was the sample(s) received instact, i.e., not broken? Yes No 10. Were custody/security seals present? NA Yes 10. Were custody/security seals intact? Yes Yes 2. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°22°C Yes Yes No: Themal preservation is not required, if samples are received wit 15 minutes of sampling NA Yes 13. If no visible to, record the temperature. Actual sample temperature 4°C Yes Yes Sample Container. NA Yes Yes 14. Are aqueous VOC samples collected in VOA Vials?	1. Does th	ne sample ID match the COC?		Yes				
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Client Instruction	29. Was a	subcontract laboratory specified by the client and is	f so who?	NA	Subcontract Lab	o: na		
	Client In	<u>istruction</u>						

Date

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 218300

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	218300
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Creat	d Condition	Condition
Ву		Date
bha	Closure approved. Site will need to meet the requirements of 19.15.29.13 NMAC at time of plugging and abandonment.	5/22/2023