

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-147  
Revised April 3, 2017  
NMOCD  
FEB 04 2019  
DISTRICT III

## Recycling Facility and/or Recycling Containment

Type of Facility:  Recycling Facility  Recycling Containment\*  
Type of action:  Permit  Registration  Modification  Extension  Other (explain) Closure  
PS 1824032854

\* At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: Juniper Resources Exploration Company, LLC (For multiple operators attach page with information) OGRID #: 371654  
Address: 3333 Lee Parkway, Suite 210, Dallas, TX 75219  
Facility or well name (include API# if associated with a well): Pinon Unit 306H API# 3004535638  
OCD Permit Number: 3RF-26 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr SWSW Section 16 Township 24N Range 10W County: San Juan  
Surface Owner:  Federal  State  Private  Tribal Trust or Indian Allotment

2.  
 **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD83  
Proposed Use:  Drilling\*  Completion\*  Production\*  Plugging\*  
*\*The re-use of produced water may NOT be used until fresh water zones are cased and cemented*  
 Other, requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.  
 Fluid Storage  
 Above ground tanks  Recycling containment  Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_  
 Activity permitted under 19.15.36 NMAC explain type: \_\_\_\_\_  Other explain \_\_\_\_\_  
 For multiple or additional recycling containments, attach design and location information of each containment  
 Closure Report (required within 60 days of closure completion):  Recycling Facility Closure Completion Date: 11/15/18

3.  
 **Recycling Containment:**  
 Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)  
Center of Recycling Containment (if applicable): Latitude 36.30957 Longitude 107.90929 NAD83  
 For multiple or additional recycling containments, attach design and location information of each containment  
 Lined  Liner type: Thickness 45 mil  LLDPE  HDPE  PVC  Other \_\_\_\_\_  
 String-Reinforced  
Liner Seams:  Welded  Factory  Other \_\_\_\_\_ Volume: 27,500 bbl Dimensions: L 80' x W \_\_\_\_\_ x D 170'  
 Recycling Containment Closure Completion Date: 11/15/2018



NMOCD

FEB 25 2019

DISTRICT III

February 22, 2019

Project Number: 17032-0007

Mr. Matt Strickler  
Juniper Resources  
3333 Lee Parkway, Suite 210  
Dallas, Texas 75219

Email: [matt.strickler@jnpresources.com](mailto:matt.strickler@jnpresources.com)  
Phone: (405) 306-6081

**RE: RECYCLING TANK CLOSURE DOCUMENTATION AND CONFIRMATION SAMPLING FOR THE PINON UNIT 306H WELL SITE, SAN JUAN COUNTY, NEW MEXICO  
API No. 30-045-35638**

Dear Mr. Strickler:

On February 8, 2019, Envirotech personnel arrived at the Pinon Unit 306H well site located in Section 16, Township 24 North, Range 10 West, San Juan County, New Mexico, *see Figure 1 Vicinity Map*. Personnel completed confirmation sampling activities for the closure of the site's recycling tank.

Per the New Mexico Oil Conservation Division (NMOCD) Form C-147, dated February 1, 2019, and pursuant to *Table I* of 19.15.34 NMAC, the depth to groundwater was determined to be greater than 100' and closure criteria for the recycling tank were determined to be as follows:

- 2,500 mg/Kg for total petroleum hydrocarbons (TPH),
- 50 mg/Kg for benzene, toluene, ethylbenzene, and total xylenes (BTEX),
- 10 mg/Kg for benzene, and
- 20,000 mg/Kg for chlorides.

After completing a brief site assessment, one (1) five (5) point composite sample (*Pinon Unit 306H Recycling Tank Comp*) was collected from the area beneath the former recycling tank with NMOCD representative Mr. Cory Smith as a witness. The sample was placed into laboratory provided four (4) ounce glass jars, capped headspace free, and transferred on ice, under chain of custody to Envirotech's Analytical Laboratory. Samples were analyzed for TPH per USEPA Method 8015D, for benzene and total BTEX per USEPA Method 8021B, and for chlorides per USEPA Method 300. Sample locations are illustrated on *Figure 2 Site Map*.

The laboratory analytical results for the composite sample collected were below the NMOCD regulatory standards for all constituents analyzed; see enclosed *Table 1, Summary of Analytical Results* and *Analytical Report No. P902014*.



Based on the laboratory analytical results, Envirotech recommends *No Further Action* in regards to this project. We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

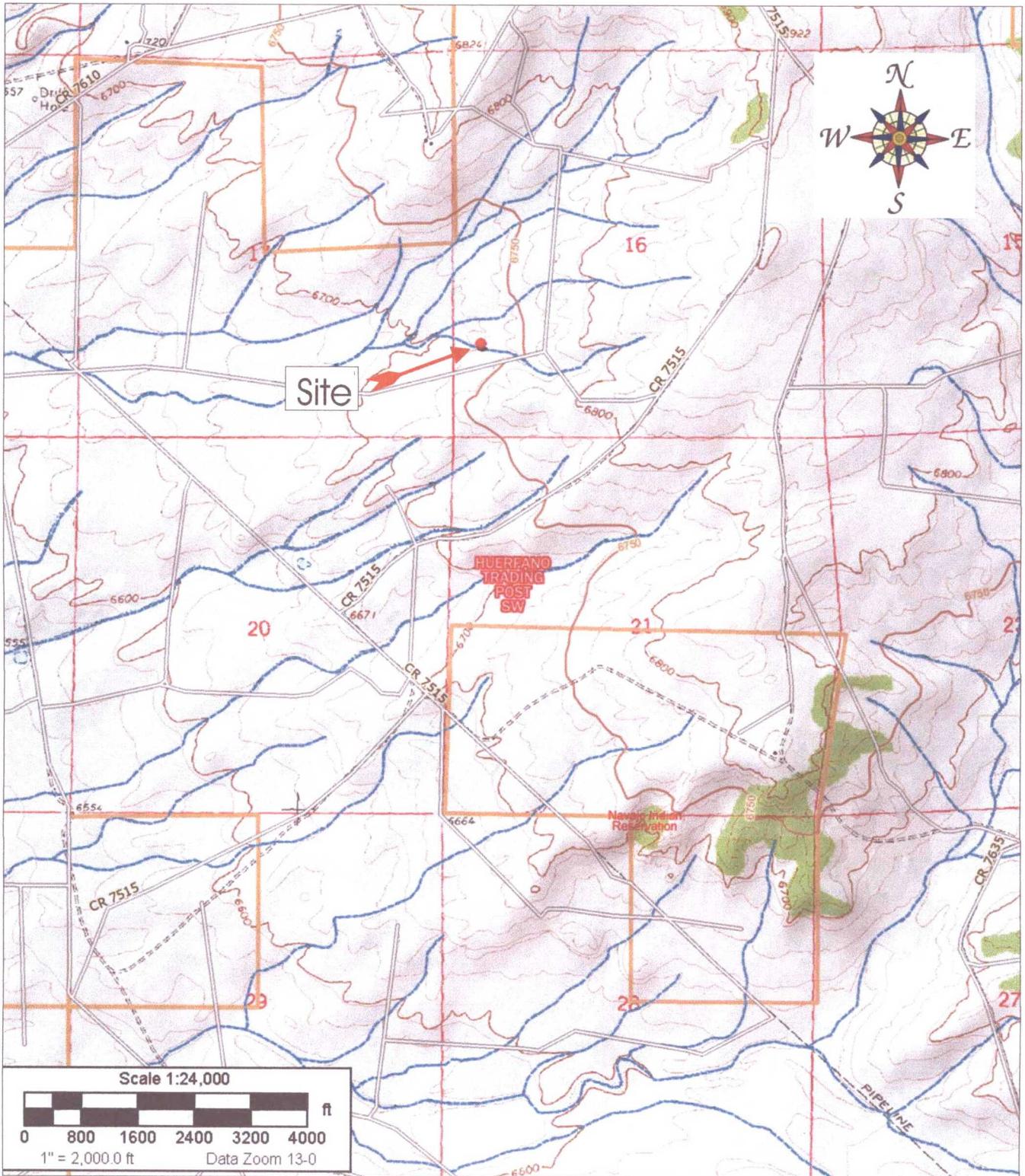
Respectfully submitted,  
ENVIROTECH, INC.

A handwritten signature in blue ink that reads 'Brittany Hall'.

Brittany Hall  
Environmental Field Technician  
[bhall@envirotech-inc.com](mailto:bhall@envirotech-inc.com)

Enclosure(s): Figure 1: *Vicinity Map*  
Figure 2: *Site Map*  
Table 1: *Summary of Analytical Results*  
*Envirotech Analytical Report No. P902014*

Cc: Client File Number 17032



Source: 7.5 Minute, Huerfano Trading Post SW, New Mexico U.S.G.S. Topographic Quadrangle Map  
 Scale: 1:24,000 1" = 2,000

Juniper Resources  
 API: 30-045-35638  
 Pinon Unit 306H Well Site  
 Section 16, Township 24N, Range 10W,  
 San Juan County, New Mexico

Project Number: 17032-0007 Date Drawn: 2/18/19

**envirotech**  
 ENVIRONMENTAL SCIENTISTS & ENGINEERS

5796 U.S. HIGHWAY 64  
 Farmington, New Mexico 87401  
 505.632.0615

Vicinity Map

Figure #1

DRAWN BY:  
 Brittany Hall

PROJECT MANAGER:  
 Felipe Aragon



Google Earth

### LEGEND

- Recycling Tank Boundaries
- X Sampling Locations

### SITE MAP

#### Juniper Resources

Pinon Unit 306H API: 30-045-35638

SECTION 16, TWP 24 NORTH, RANGE 10 WEST  
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NO17032-0007		

#### REVISIONS


NO.	DATE	BY	DESCRIPTION
MAP DRWN	BH	2/18/19	BASE DRWN BH 2/18/19



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

**Table 1, Summary of Analytical Results**

Juniper Resources

Pinon Unit 306H, API No. 30-045-35638

Recycling Tank Closure

Project Number: 17032-0007

Date	Sample Description	Sample Number	Method 300.0 Chlorides (mg/kg)	8015 (GRO+DRO+ORO) (mg/kg)	USEPA Method 8015 TPH (GRO+DRO) (mg/kg)	USEPA Method 8021	
						Benzene (mg/kg)	BTEX (mg/kg)
NA	New Mexico Administrative Code Standards	NA	20,000	2,500	1,000	10	50
2/8/2019	Pinon Unit 306H Recycling Tank Comp	1	<20.0	88.8	36.2	<0.025	<0.1

\*Values in **BOLD** above regulatory limits

\*NS - Parameter not sampled

## Analytical Report

### Report Summary

Client: Juniper Resources  
Chain Of Custody Number:  
Samples Received: 2/8/2019 10:34:00AM  
Job Number: 17032-0007  
Work Order: P902014  
Project Name/Location: Pinon Unit 306H Soil  
Sampling

Report Reviewed By:



Date: 2/13/19

Walter Hinchman, Laboratory Director



Date: 2/13/19

Tim Cain, Project Manager



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted 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, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.



Juniper Resources 121 Main St Bloomfield NM, 87410	Project Name: Pinon Unit 306H Soil Sampling Project Number: 17032-0007 Project Manager: Felipe Aragon	<b>Reported:</b> 02/13/19 09:33
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### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Pinon Unit 306H Recycling Tank Comp	P902014-01A	Soil	02/08/19	02/08/19	Glass Jar, 4 oz.
	P902014-01B	Soil	02/08/19	02/08/19	Glass Jar, 4 oz.

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Juniper Resources 121 Main St Bloomfield NM, 87410	Project Name: Pinon Unit 306H Soil Sampling Project Number: 17032-0007 Project Manager: Felipe Aragon	Reported: 02/13/19 09:33
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**Pinon Unit 306H Recycling Tank Comp  
P902014-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	25.0	ug/kg	1	1907002	02/11/19	02/11/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1907002	02/11/19	02/11/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1907002	02/11/19	02/11/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1907002	02/11/19	02/11/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1907002	02/11/19	02/11/19	EPA 8021B	
Total Xylenes	ND	25.0	ug/kg	1	1907002	02/11/19	02/11/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1907002	02/11/19	02/11/19	EPA 8021B	

**Nonhalogenated Organics by 8015**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1907002	02/11/19	02/11/19	EPA 8015D	
Diesel Range Organics (C10-C28)	36.2	25.0	mg/kg	1	1907006	02/11/19	02/12/19	EPA 8015D	
Oil Range Organics (C28-C40)	52.6	50.0	mg/kg	1	1907006	02/11/19	02/12/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %		50-150	1907002	02/11/19	02/11/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		90.6 %		50-200	1907006	02/11/19	02/12/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	1906031	02/08/19	02/08/19	EPA 300.0/9056A	
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Juniper Resources 121 Main St Bloomfield NM, 87410	Project Name: Pinon Unit 306H Soil Sampling Project Number: 17032-0007 Project Manager: Felipe Aragon	Reported: 02/13/19 09:33
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**Volatile Organics by EPA 8021 - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1907002 - Purge and Trap EPA 5030A**

**Blank (1907002-BLK1)**

Prepared: 02/11/19 0 Analyzed: 02/11/19 1

Benzene	ND	25.0	ug/kg							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
p,m-Xylene	ND	50.0	"							
o-Xylene	ND	25.0	"							
Total Xylenes	ND	25.0	"							
Surrogate: 4-Bromochlorobenzene-PID	7980		"	8000		99.8	50-150			

**LCS (1907002-BS1)**

Prepared: 02/11/19 0 Analyzed: 02/11/19 1

Benzene	5070	25.0	ug/kg	5000		101	70-130			
Toluene	5180	25.0	"	5000		104	70-130			
Ethylbenzene	5520	25.0	"	5000		110	70-130			
p,m-Xylene	11500	50.0	"	10000		115	70-130			
o-Xylene	5270	25.0	"	5000		105	70-130			
Total Xylenes	16700	25.0	"				70-130			
Surrogate: 4-Bromochlorobenzene-PID	8060		"	8000		101	50-150			

**Matrix Spike (1907002-MS1)**

Source: P902014-01

Prepared: 02/11/19 0 Analyzed: 02/11/19 2

Benzene	5190	25.0	ug/kg	5000	ND	104	54.3-133			
Toluene	5310	25.0	"	5000	ND	106	61.4-130			
Ethylbenzene	5660	25.0	"	5000	ND	113	61.4-133			
p,m-Xylene	11800	50.0	"	10000	ND	118	63.3-131			
o-Xylene	5410	25.0	"	5000	ND	108	63.3-131			
Total Xylenes	17200	25.0	"		ND		63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8110		"	8000		101	50-150			

**Matrix Spike Dup (1907002-MSD1)**

Source: P902014-01

Prepared: 02/11/19 0 Analyzed: 02/11/19 2

Benzene	5290	25.0	ug/kg	5000	ND	106	54.3-133	1.98	20	
Toluene	5410	25.0	"	5000	ND	108	61.4-130	1.86	20	
Ethylbenzene	5770	25.0	"	5000	ND	115	61.4-133	1.84	20	
p,m-Xylene	12000	50.0	"	10000	ND	120	63.3-131	1.75	20	
o-Xylene	5510	25.0	"	5000	ND	110	63.3-131	1.80	20	
Total Xylenes	17500	25.0	"		ND		63.3-131	1.76	20	
Surrogate: 4-Bromochlorobenzene-PID	8070		"	8000		101	50-150			

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5796 US Highway 64, Farmington, NM 87401

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envirotech-inc.com  
laboratory@envirotech-inc.com

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Juniper Resources 121 Main St Bloomfield NM, 87410	Project Name: Pinon Unit 306H Soil Sampling Project Number: 17032-0007 Project Manager: Felipe Aragon	Reported: 02/13/19 09:33
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**Nonhalogenated Organics by 8015 - Quality Control**  
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1907002 - Purge and Trap EPA 5030A**

<b>Blank (1907002-BLK1)</b>		Prepared: 02/11/19 0 Analyzed: 02/11/19 1								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		"	8.00		91.5	50-150			
<b>LCS (1907002-BS2)</b>		Prepared: 02/11/19 0 Analyzed: 02/11/19 1								
Gasoline Range Organics (C6-C10)	57.9	20.0	mg/kg	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		"	8.00		93.5	50-150			
<b>Matrix Spike (1907002-MS2)</b>		<b>Source: P902014-01</b>		Prepared: 02/11/19 0 Analyzed: 02/11/19 2						
Gasoline Range Organics (C6-C10)	57.9	20.0	mg/kg	50.0	ND	116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		"	8.00		93.3	50-150			
<b>Matrix Spike Dup (1907002-MSD2)</b>		<b>Source: P902014-01</b>		Prepared: 02/11/19 0 Analyzed: 02/11/19 2						
Gasoline Range Organics (C6-C10)	57.8	20.0	mg/kg	50.0	ND	116	70-130	0.0951	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		"	8.00		93.3	50-150			

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Juniper Resources 121 Main St Bloomfield NM, 87410	Project Name: Pinon Unit 306H Soil Sampling Project Number: 17032-0007 Project Manager: Felipe Aragon	Reported: 02/13/19 09:33
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**Nonhalogenated Organics by 8015 - Quality Control**  
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1907006 - DRO Extraction EPA 3570**

<b>Blank (1907006-BLK1)</b>										
										Prepared & Analyzed: 02/11/19 1
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	49.4		"	50.0		98.8	50-200			
<b>LCS (1907006-BS1)</b>										
										Prepared & Analyzed: 02/11/19 1
Diesel Range Organics (C10-C28)	439	25.0	mg/kg	500		87.7	38-132			
Surrogate: n-Nonane	47.4		"	50.0		94.9	50-200			
<b>Matrix Spike (1907006-MS1)</b>										
			<b>Source: P902009-01</b>		Prepared & Analyzed: 02/11/19 1					
Diesel Range Organics (C10-C28)	425	25.0	mg/kg	500	ND	84.9	38-132			
Surrogate: n-Nonane	44.5		"	50.0		89.0	50-200			
<b>Matrix Spike Dup (1907006-MSD1)</b>										
			<b>Source: P902009-01</b>		Prepared & Analyzed: 02/11/19 1					
Diesel Range Organics (C10-C28)	436	25.0	mg/kg	500	ND	87.1	38-132	2.51	20	
Surrogate: n-Nonane	46.2		"	50.0		92.5	50-200			

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Juniper Resources 121 Main St Bloomfield NM, 87410	Project Name: Pinon Unit 306H Soil Sampling Project Number: 17032-0007 Project Manager: Felipe Aragon	Reported: 02/13/19 09:33
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**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1906031 - Anion Extraction EPA 300.0/9056A**

<b>Blank (1906031-BLK1)</b>				Prepared: 02/08/19 0 Analyzed: 02/08/19 1						
Chloride	ND	20.0	mg/kg							
<b>LCS (1906031-BS1)</b>				Prepared: 02/08/19 0 Analyzed: 02/08/19 1						
Chloride	256	20.0	mg/kg	250		103	90-110			
<b>Matrix Spike (1906031-MS1)</b>				<b>Source: P902009-01</b>		Prepared: 02/08/19 0 Analyzed: 02/08/19 1				
Chloride	330	20.0	mg/kg	250	57.7	109	80-120			
<b>Matrix Spike Dup (1906031-MSD1)</b>				<b>Source: P902009-01</b>		Prepared: 02/08/19 0 Analyzed: 02/08/19 1				
Chloride	319	20.0	mg/kg	250	57.7	105	80-120	3.32	20	

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Juniper Resources  
121 Main St  
Bloomfield NM, 87410

Project Name: Pinon Unit 306H Soil Sampling  
Project Number: 17032-0007  
Project Manager: Felipe Aragon

**Reported:**  
02/13/19 09:33

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
RPD Relative Percent Difference  
\*\* Methods marked with \*\* are non-accredited methods.

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Project Information

Chain of Custody

<b>Client: Juniper Resources</b> Project: Pinon Unit 306H Soil Sampling Project Manager: F.Aragon Address: City, State, Zip Phone: Email: Gcrabtree Admin Bhall Faragon		<b>Report Attention</b> Report due by: Email: Address: City, State, Zip Phone:		<b>Lab Use Only</b> Lab WO# P902014 Job Number 17032-0007		<b>TAT</b> 1D 3D		<b>EPA Program</b> RCRA CWA SDWA		
<b>Analysis and Method</b>								<b>State</b> NM CO UT AZ		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/GRO/ORO	8021	Chlorides					Remarks	
9:23	2/8/2019	S	2/1/19	Pinon Unit 306H Recycling Tank Comp	1	X	X	X						2-4oz jar cool

**Additional Instructions:** vis Ice in cooler

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. Sampled by: Burtan Hall

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Burtan Hall</u>	Date 2/8/19	Time 10:34	Received by: (Signature) <u>Joseph A. ...</u>	Date 2/8/19	Time 10:34	<b>Lab Use Only</b> Received on ice: Y/N T1 T2 T3 AVG Temp °C 4
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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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