

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
NMOC

FEB 04 2019

DISTRICT III

Recycling Facility and/or Recycling Containment

Type of Facility: ☐ Recycling Facility

☒ Recycling Containment*

Type of action: ☐ Permit
☐ Modification
☐ Closure

☐ Registration
☐ 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
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*.



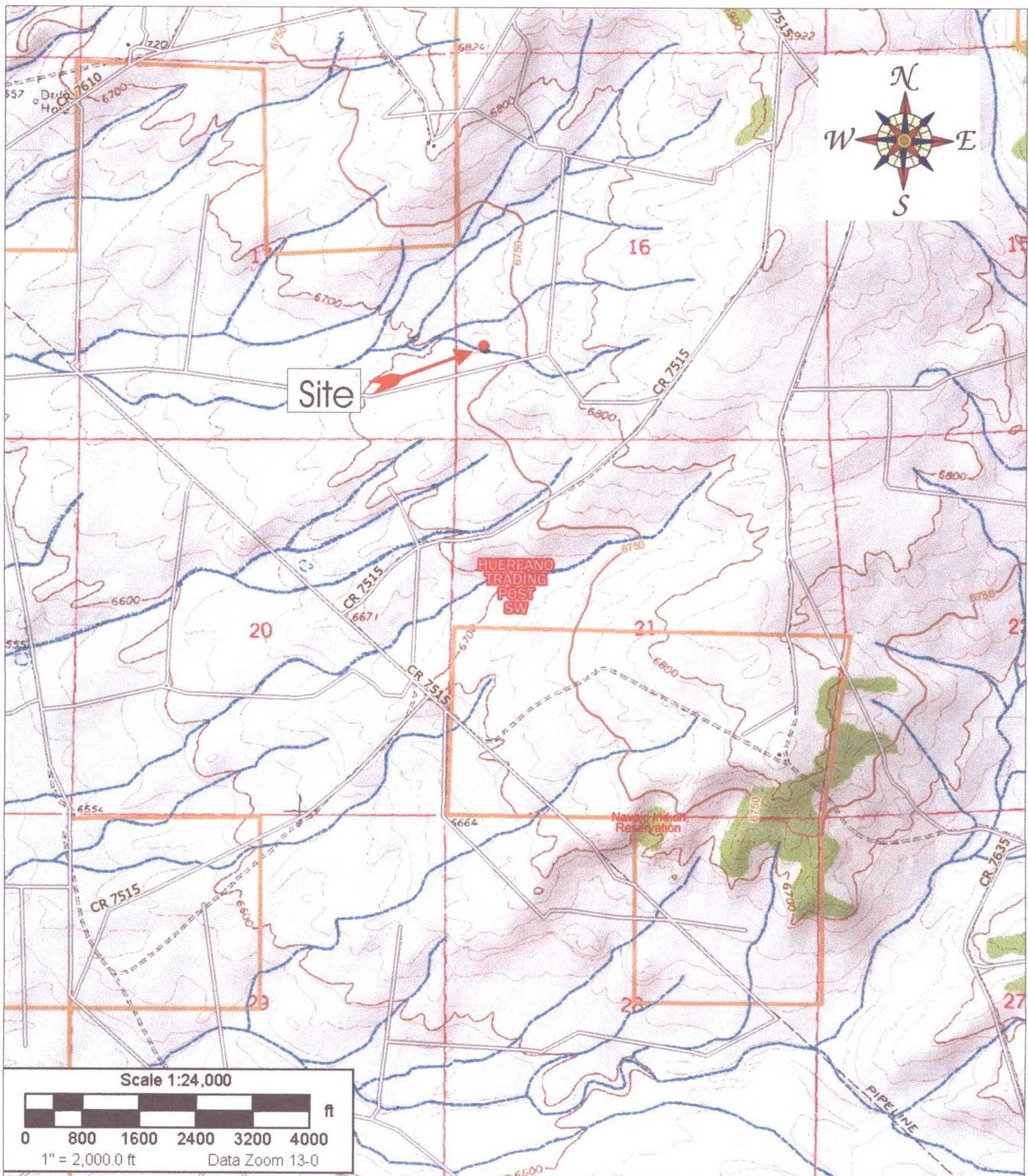
Based on the laboratory analytical results, Envirotech recommends ***No Further Action*** in regards to this project. We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.

Brittany Hall
Environmental Field Technician
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		 ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615		Vicinity Map	
Project Number: 17032-0007		Date Drawn: 2/18/19		Figure #1	
				DRAWN BY: Brittany Hall	PROJECT MANAGER: Felipe Aragon



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



envirotech

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

Reported:
 02/13/19 09:33

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

**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>		<i>101 %</i>		<i>50-150</i>	<i>1907002</i>	<i>02/11/19</i>	<i>02/11/19</i>	<i>EPA 8021B</i>	

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>		<i>92.4 %</i>		<i>50-150</i>	<i>1907002</i>	<i>02/11/19</i>	<i>02/11/19</i>	<i>EPA 8015D</i>	
<i>Surrogate: n-Nonane</i>		<i>90.6 %</i>		<i>50-200</i>	<i>1907006</i>	<i>02/11/19</i>	<i>02/12/19</i>	<i>EPA 8015D</i>	

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	Project Name:	Pinon Unit 306H Soil Sampling	Reported: 02/13/19 09:33
121 Main St	Project Number:	17032-0007	
Bloomfield NM, 87410	Project Manager:	Felipe Aragon	

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

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

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

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

Blank (1907002-BLK1)

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			

LCS (1907002-BS2)

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			

Matrix Spike (1907002-MS2)

Source: P902014-01

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			

Matrix Spike Dup (1907002-MSD2)

Source: P902014-01

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

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

Blank (1907006-BLK1)

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			

LCS (1907006-BS1)

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			

Matrix Spike (1907006-MS1)

Source: P902009-01

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			

Matrix Spike Dup (1907006-MSD1)

Source: P902009-01

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	Project Name:	Pinon Unit 306H Soil Sampling	Reported: 02/13/19 09:33
121 Main St	Project Number:	17032-0007	
Bloomfield NM, 87410	Project Manager:	Felipe Aragon	

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

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

Page 1 of 1

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

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/GRO/ORO	8021	Chlorides												Remarks
9:23	2/8/2019	S	21/24	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)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: Y / N T1 T2 T3 AVG Temp °C 4
<u>Burtan Hall</u>	2/8/19	10:34	<u>James A. Hall</u>	2/8/19	10:34	
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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