



Pima Environmental Services, LLC
1601 N. Turner St., Suite 500
Hobbs, NM 88240
575-964-7740

September 7th, 2021

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

**Re: Site Assessment, Remediation, and Closure Report
Ross Ranch 22 Battery (Closest Well #002)
API No. 30-025-27458
GPS: Latitude 32.6482239 Longitude -104.4789658
UL "E", Sec. 22, T19S, R25E
Eddy County, NM
NMOCD Ref. No. NRH2002854238**

Dear Mr. Hensley,

Spur Energy Partners, LLC, (Spur) has contracted Pima Environmental Services, LLC (Pima) to perform a spill assessment and remediation activities for a crude oil/produced water mixed release at the Ross Ranch 22 Battery (Ross). The initial C-141 was submitted on December 23rd, 2019 (Appendix C). This incident was assigned Incident ID NRH2002854238 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Ross is approximately fourteen (14) miles southwest of Artesia, NM. This spill site is in Unit E, Section 22, Township 19S, Range 25E, Latitude 32.6482239, Longitude -104.4789658, Eddy, County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation – Piedmont alluvial deposits (Holocene to lower Pleistocene). Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits. The soil in this area is made up of Reagan-Upton association, 0 to 9 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a medium potential for karst geology to be present around the Ross (Figure 3).

According to the New Mexico Office of the State Engineer, the depth to the nearest groundwater in this area is 130 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 124 feet BGS. The closest waterway is Brantley Lake, located approximately 6.37 miles to the southeast of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
124'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
If the release occurred within any of the following areas, the responsible party would treat the release as if the groundwater was less than 50 feet per Rule 19.15.29					
Water Issues				Yes	No
Within 300 feet of any continuously flowing watercourse or any other significant watercourse					X
Within 200 feet of any lakebed, sinkhole, or playa lake (measures from the ordinary high-water mark)					X
Within 300 feet from an occupied permanent residence, school, hospital, institution, or church					X
Within 500 feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock water purposes					X
Within 1000 feet of any freshwater well or spring					X
Within incorporated municipal boundaries or within a defined municipal freshwater well field					X
Within 300 feet of a wetlands					X
Within the area overlying a subsurface mine					X
Within an unstable area (Karst)					X
Within a 100-year floodplain					X

Reference Figure 2 for a Topographic Map.

Release Information

NRH2002854238: On December 12th, 2019, a water line busted off the Free Water Knock-Out. The fluid released was calculated to be approximately 1 barrel (bbl) of crude oil and 20 bbls of produced water. A vacuum truck was able to recover approximately 20 bbls of total fluid from the impacted area.

Site Assessment and Soil Sampling Results

On March 20th, 2020, Hungry Horse, LLC mobilized personnel to the site to assess the area and start the delineation process. Laboratory and field results of this sampling event can be found in the following data table.

3-20-20 Soil Sample Results

COMPANY - SPUR ENERGY PARTNERS LOCATION NAME ROSS RANCH 22 CTB RELEASE DATE 12/12/19

SP ID	DEPTH	TITR	PID	L-CHL	L-BTEX	L-GRO	L-DRO	L-MRO	TTL TPH	Soil Type	NOTES
SP1	SURF	1200	TPH								
	1'	1360	TPH								
	2'	2400	TPH								
	3'	2000	TPH								
	4'	1200	TPH								
	5'	1200	TPH								
	6'	480									
	7'	400		1000	ND	ND	30.1	ND	30.1		
SP2	SURF	880	TPH								
	1'	800	TPH								
	2'	800	TPH								
	3'	800									
	4'	800		1430	ND	ND	192	89.7	281.7		TOO ROCKY TO DIG FURTHER
SP3	SURF	400	TPH								
	1'	800	TPH								
	2'	400	TPH								
	3'	400	TPH								
	4'	160	TPH								
	5'	1680	TPH								
	6'	2400	TPH								
	7'	2000	TPH								
	8'	560	TPH								
	9'	400	TPH								
	10'	400	TPH								
	11'	320	TPH								
	12'	160	TPH								
	13'	80									
	14'	80		83.6	0.101	ND	639	306	945		COULDN'T GO DEEPER W/AUGER
SP4	SURF	400	TPH								

	1'	480	TPH							
	2'	480		331	ND	ND	125	203	328	
SW 4	SURF	400	TPH							
	1'	160	TPH							
	2'	80		ND	ND	ND	147	91.2	238.2	
SW 5	SURF	320	TPH							
	1'	160	TPH							
	2'	80		ND	ND	ND	326	422	748	
SW 6	SURF	400	TPH							
	1'	320	TPH							
	2'	240		ND	ND	ND	96.2	103	199.2	

ND- Analyte Not Detected

Remediation Activities

On June 13th, 2021, Pima mobilized personnel and equipment to conduct remedial activities. Because all sample points except for SW 1 were below closure criteria according to Table 1 of 19.15.29.12 NMAC, we excavated the area around SW 1 to a depth of 2' BGS and the rest of the impacted area to a depth of 1' BGS. Samples were taken from the bottoms and sidewalls of our excavation to verify all the contamination was removed. An excavation sample map can be found in figure 5. The laboratory results of this sampling event can be found in the following table.

6-21-21 Excavation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
SPUR ENERGY - ROSS RANCH 22 BATTERY								
Sample Date 6/21/2021		NM Approved Laboratory Results						
Sample ID	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 Bottom	1'	ND	ND	ND	75	92	167	96
S-2 Bottom	1'	ND	ND	ND	60	72	132	110
S-3 Bottom	1'	ND	ND	ND	61	69	130	100
S-4 Bottom	1'	ND	ND	11	120	160	291	100
S-5 Bottom	1'	ND	ND	ND	13	48	61	ND
S-6 Bottom	1'	ND	ND	ND	48	ND	48	97
S-7 Bottom	1'	ND	ND	ND	58	51	109	120
S-8 Bottom	1'	ND	ND	ND	48	ND	48	160
S-9 Bottom	1'	ND	ND	ND	9.1	ND	9.1	ND
S-10 Bottom	1'	ND	ND	ND	14	ND	14	ND
S-11 Bottom	1'	ND	ND	ND	13	ND	13	ND
S-12 Bottom	1'	ND	ND	ND	ND	ND	0	ND
SW-1 North	1'	ND	ND	ND	40	ND	40	81
SW-2 West	1'	ND	ND	ND	11	ND	11	ND
SW-3 West	1'	ND	ND	ND	13	ND	13	ND
SW-4 South	1'	ND	ND	ND	ND	ND	0	ND
SW-5 East	1'	ND	ND	ND	57	60	117	98
SW-6 East	1'	ND	ND	ND	90	81	171	110

ND- Analyte Not Detected

On June 22nd, 2021, Pima returned to the site to complete the remediation process. We laid out the excavated material and treated it with a bioremediation chemical solution. Then we tilled in the treatment and repeated this process twice more until all the material was treated. Then the treated material was used to backfill the excavation. Photographic documentation can be found in Appendix D.

On August 30th, 2021, after sending out a 48-hour notification, Pima returned to the site to collect confirmation samples of the affected area. We collected 5-point composite samples from each location. The results of this sampling event can be seen in the following table.

8-18-21 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
SPUR ENERGY - ROSS RANCH 22 BATTERY								
Sample Date 8/30/2021		NM Approved Laboratory Results						
Sample ID	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	0-6"	ND	ND	ND	ND	ND	0	32
S-2	0-6"	ND	ND	ND	ND	ND	0	32
S-3	0-6"	ND	ND	ND	ND	ND	0	16
S-4	0-6"	ND	ND	ND	ND	ND	0	32
S-5	0-6"	ND	ND	ND	ND	ND	0	32
S-6	0-6"	ND	ND	ND	ND	ND	0	32
S-7	0-6"	ND	ND	ND	ND	ND	0	32
S-8	0-6"	ND	ND	ND	ND	ND	0	32
S-9	0-6"	ND	ND	ND	ND	ND	0	32
S-10	0-6"	ND	ND	ND	ND	ND	0	32
S-11	0-6"	ND	ND	ND	ND	ND	0	32
S-12	0-6"	ND	ND	ND	ND	ND	0	32

ND – Analyte Not Detected

Complete Laboratory Reports are attached in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NRH2002854238, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

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

Respectfully,

Tom Bynum

Tom Bynum
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Excavation Sample Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141's
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



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Figures:

1-Location Map

2-Topo Map

3-Karst Map

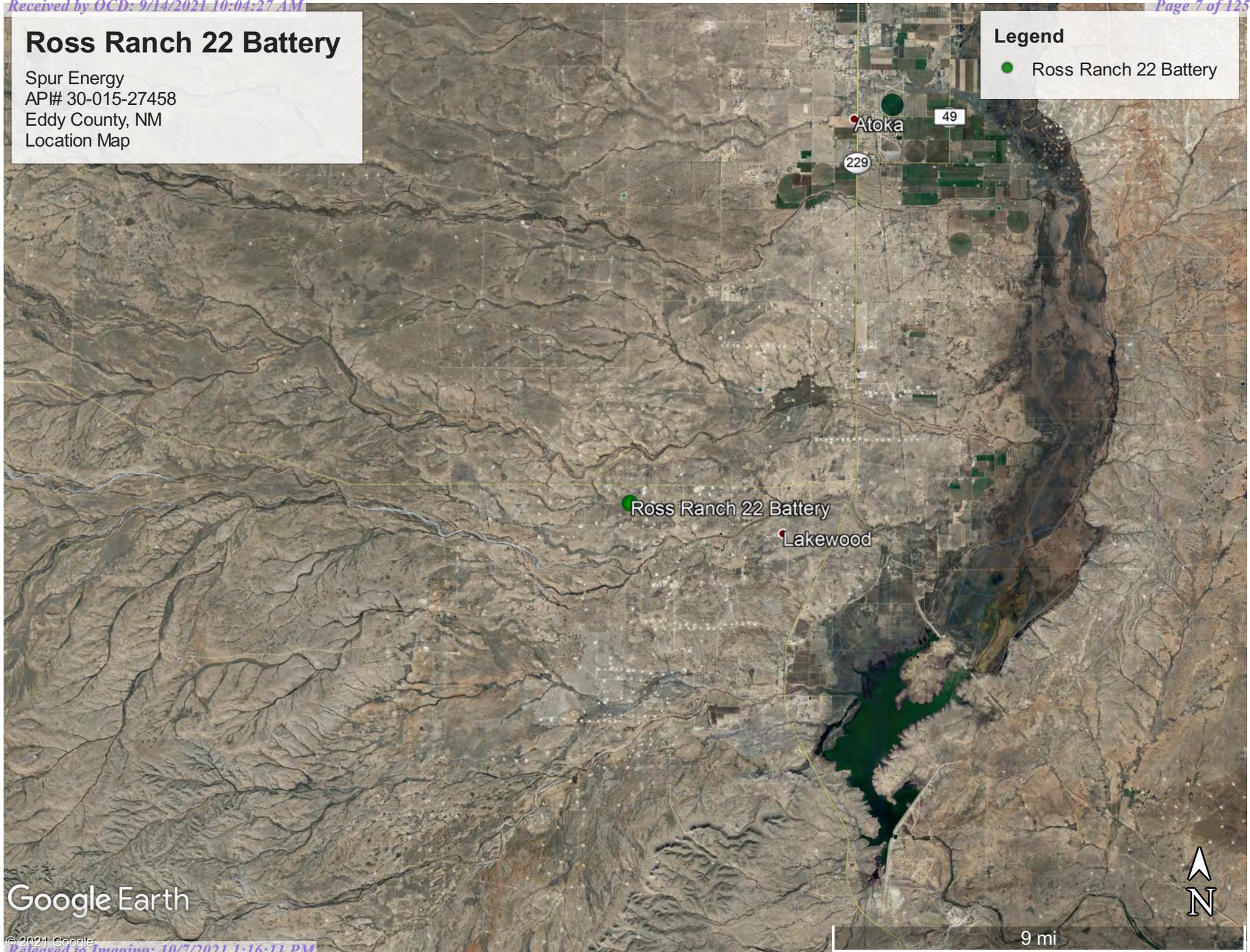
4-Site Map

5-Excavation Site Map

Ross Ranch 22 Battery
 Spur Energy
 AP# 30-015-27458
 Eddy County, NM
 Location Map

Legend

- Ross Ranch 22 Battery



Google Earth



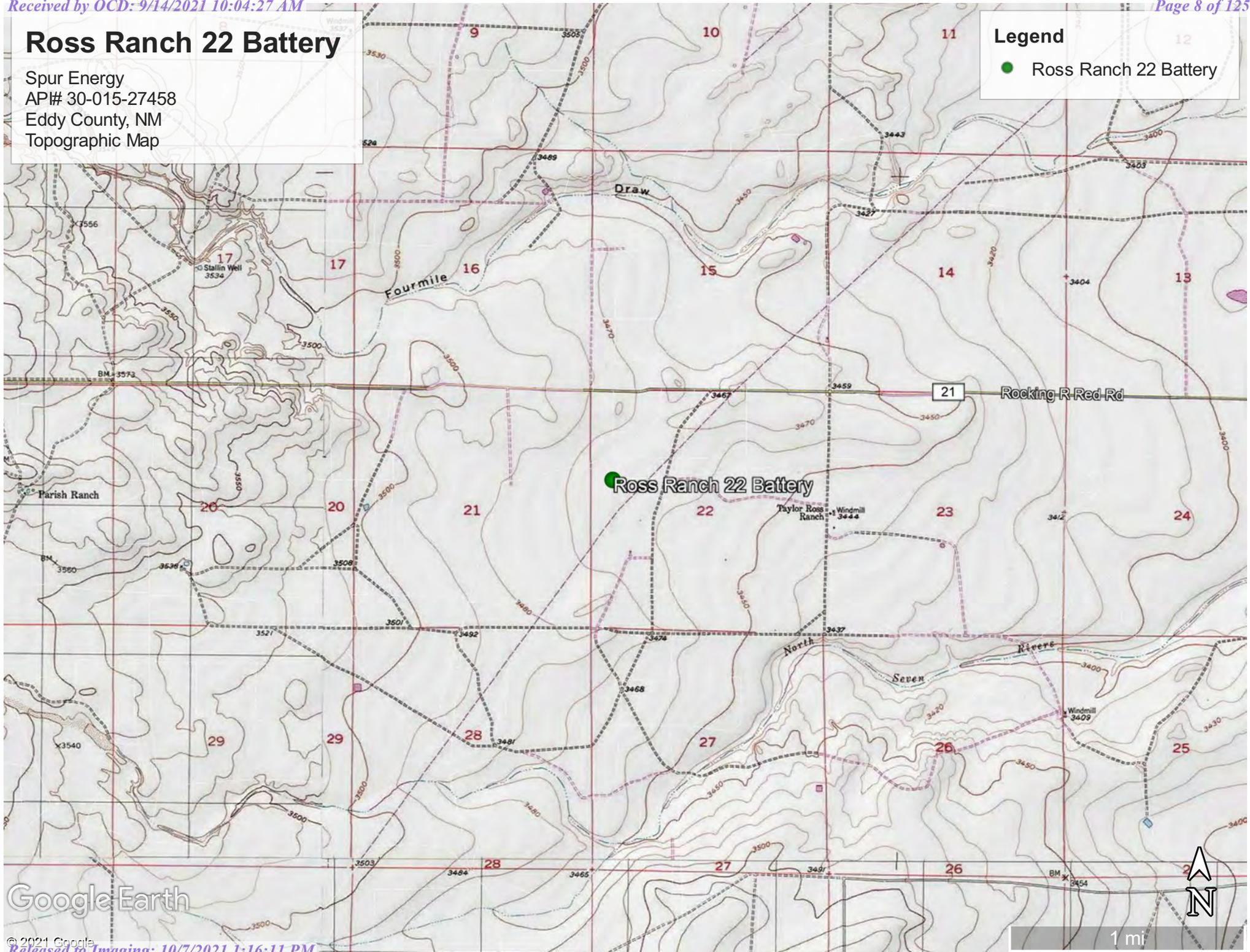
9 mi

Ross Ranch 22 Battery

Spur Energy
AP# 30-015-27458
Eddy County, NM
Topographic Map

Legend

- Ross Ranch 22 Battery



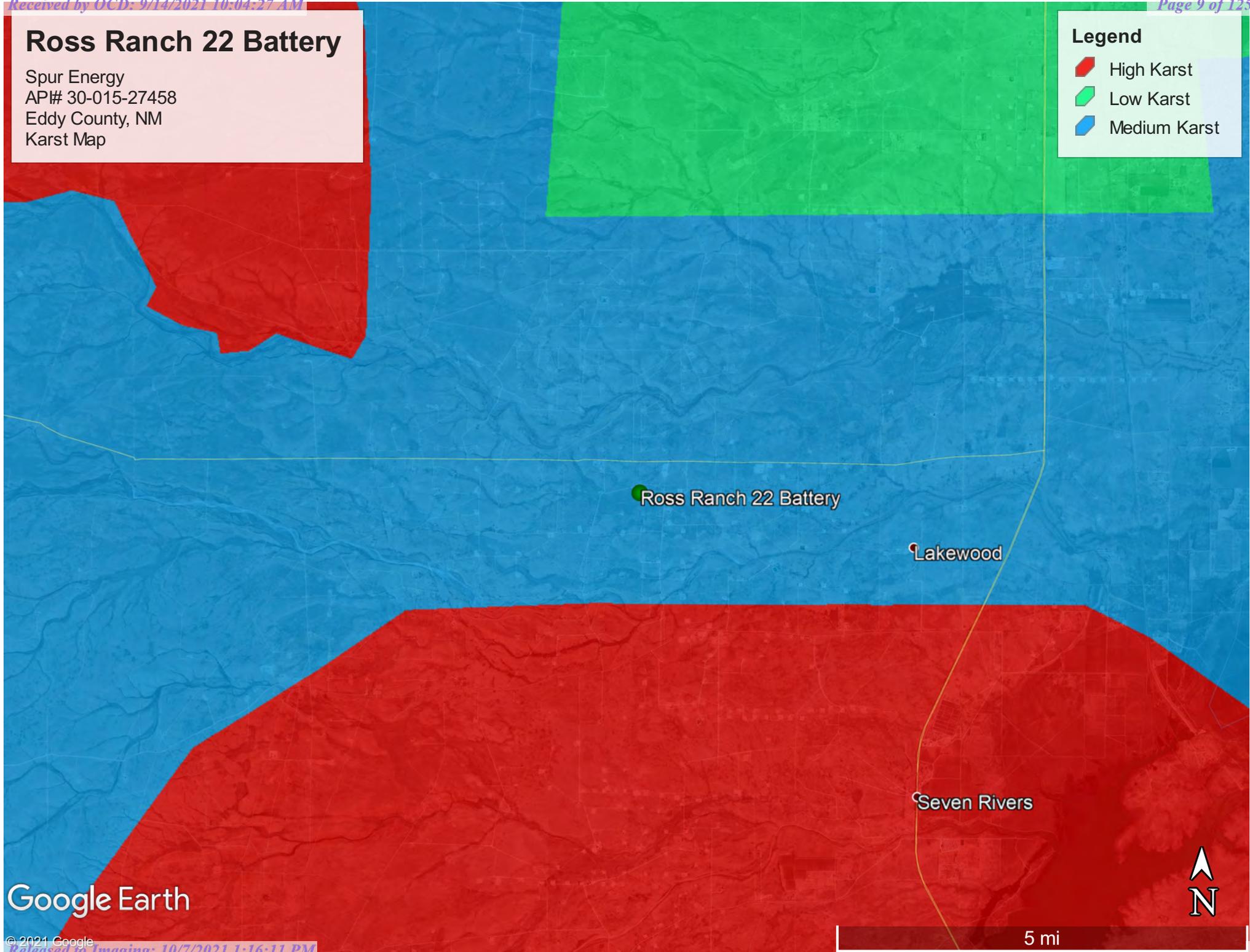
Google Earth

Ross Ranch 22 Battery

Spur Energy
API# 30-015-27458
Eddy County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth



5 mi

SPUR ENERGY PARTNERS ROSS RANCH 22 BATTERY

11,959 SQ. FT OF
IMPACT AREA

SAMPLE POINT GPS:

- SP1: 32.648455 -104.479032
- SP2: 32.648361 -104.479068
- SP3: 32.648241 -104.479048
- SP4: 32.648127 -104.479090
- SP5: 32.647985 -104.479095
- SP6: 32.647925 -104.479069
- SP7: 32.647911 -104.478953
- SP8: 32.648014 -104.478937
- SP9: 32.648080 -104.478992
- SP10: 32.648175 -104.478973
- SP11: 32.648285 -104.478970
- SP12: 32.648357 -104.478940

- SW1: 32.648489 -104.479035
- SW2: 32.648297 -104.479115
- SW3: 32.648087 -104.479130
- SW4: 32.647879 -104.479042
- SW5: 32.648045 -104.478885
- SW6: 32.648321 -104.478845



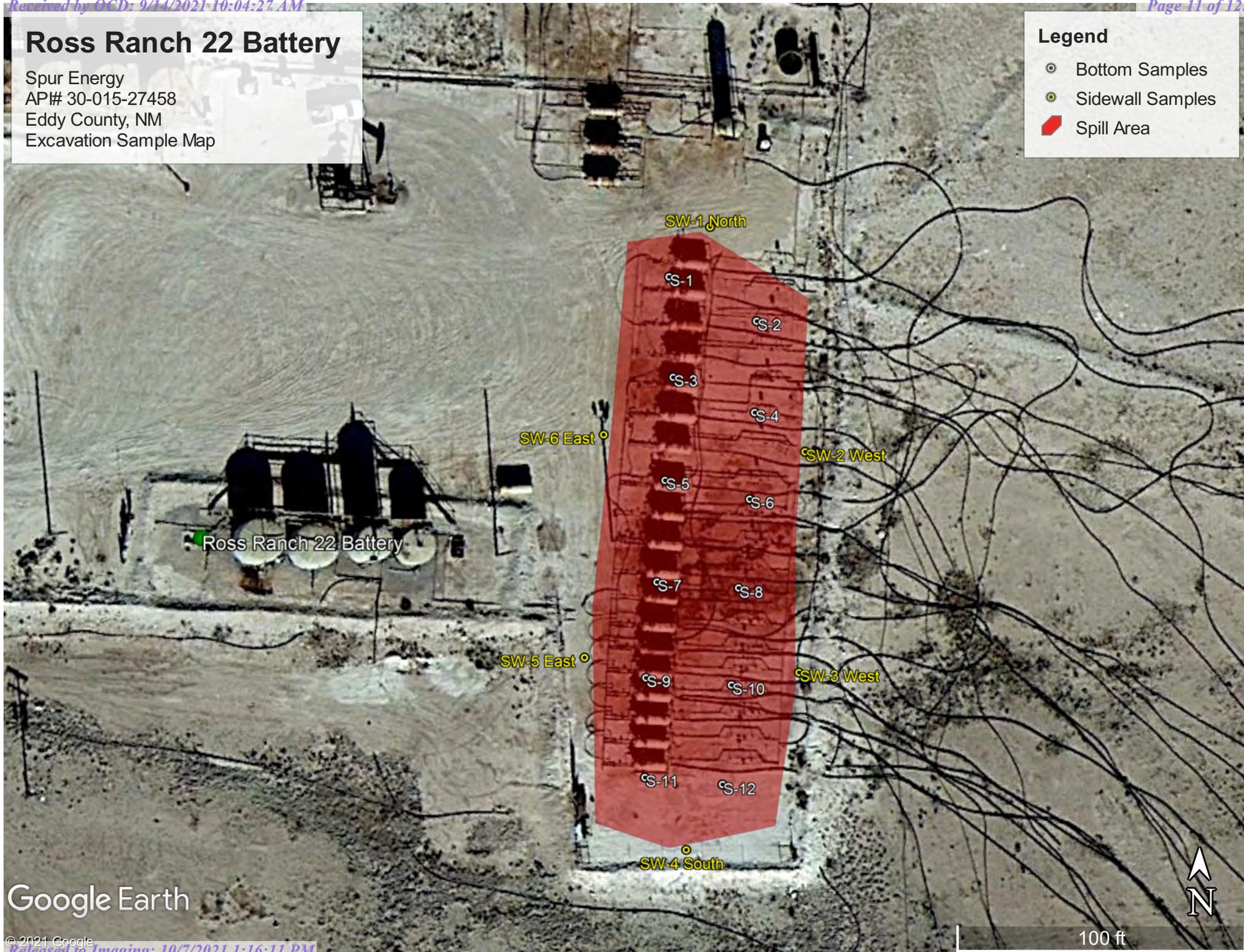
90 ft

Ross Ranch 22 Battery

Spur Energy
AP# 30-015-27458
Eddy County, NM
Excavation Sample Map

Legend

- Bottom Samples
- Sidewall Samples
- Spill Area



Google Earth

100 ft



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Appendix A

Water Surveys:

OSE

USGS

Active Wells Map

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 Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column	
RA 02909	RA	ED	ED	1	3	22	19S	25E	548864	3611989*		154	188	130	58	
RA 08986	RA	ED	ED	1	3	3	22	19S	25E	548825	3611507		621	320	220	100
RA 03304	RA	ED	ED		1	27	19S	25E	549081	3610973*		1190	130	60	70	
RA 05450	RA	CH	CH	4	2	15	19S	25E	550057	3614015*		2268	204	80	124	
RA 05900	RA	ED	ED	2	2	16	19S	25E	548442	3614424*		2322	185	95	90	
RA 06418	RA	ED	ED	1	2	3	17	19S	25E	545925	3613710*		3278	120	72	48
RA 02958	RA	ED	ED	1	4	34	19S	25E	549681	3608740*		3502	450			
RA 03018	RA	ED	ED	3	2	4	34	19S	25E	549987	3608639*		3686	530		
RA 12222 POD1	RA	ED	ED	2	4	2	30	19S	25E	545284	3610884		3726			
RA 11654 POD1	RA	ED	ED	3	2	19	19S	25E	544959	3612514		3857	500			
RA 05333	RA	ED	ED	2	2	09	19S	25E	548430	3616046*		3934	315	260	55	
RA 04726	RA	ED	ED	3	2	19	19S	25E	544825	3612390*		3980	390	310	80	

Average Depth to Water: **153 feet**
 Minimum Depth: **60 feet**
 Maximum Depth: **310 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 548796.764

Northing (Y): 3612128.567

Radius: 4000

*UTM location was derived from PLSS - see Help

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

7/7/21 1:40 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 02909		1	3	22	19S	25E	548864	3611989*	

Driller License:		Driller Company:		
Driller Name:	A.F. SMITH			
Drill Start Date:	06/26/1952	Drill Finish Date:	07/05/1952	Plug Date:
Log File Date:	08/11/1952	PCW Rev Date:		Source: Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:
Casing Size:	8.63	Depth Well:	188 feet	Depth Water: 130 feet

Water Bearing Stratifications:	Top	Bottom	Description
	120	130	Sandstone/Gravel/Conglomerate

*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.

8/2/21 3:52 PM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 323842104283501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323842104283501 19S.25E.22.31430

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'42", Longitude 104°28'35" NAD27

Land-surface elevation 3,463 feet above NAVD88

The depth of the well is 180 feet below land surface.

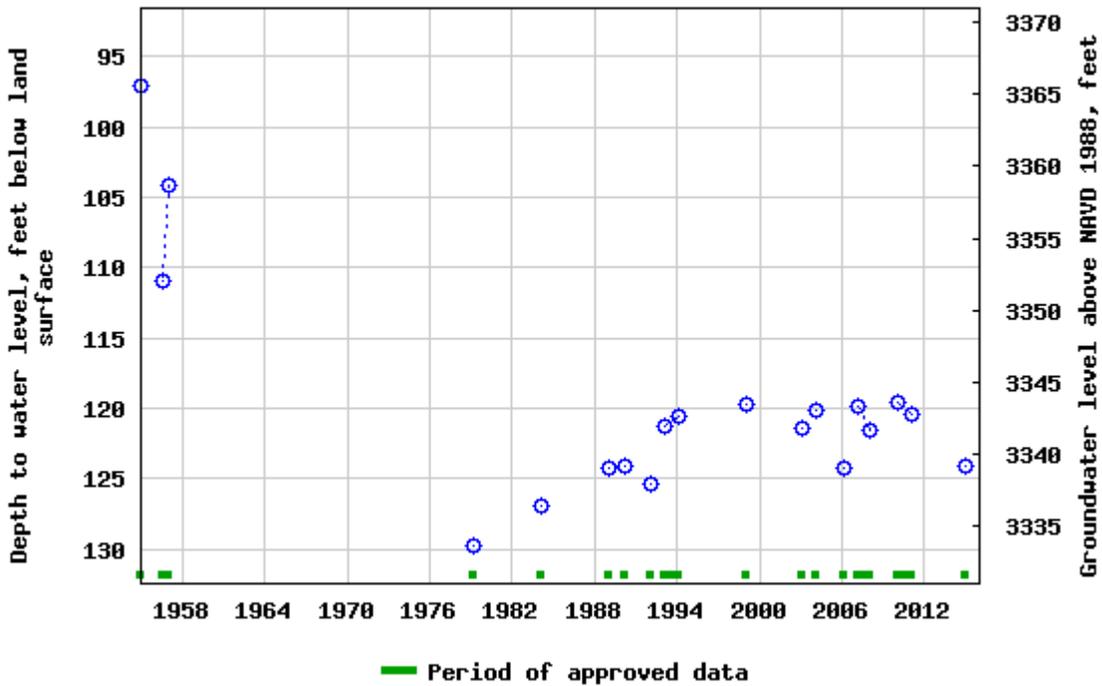
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

USGS 323842104283501 19S.25E.22.31430



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

- [Questions about sites/data?](#)
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[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: [USGS Water Data Support Team](#)

Page Last Modified: 2021-07-07 15:47:03 EDT

0.6 0.51 nadww02



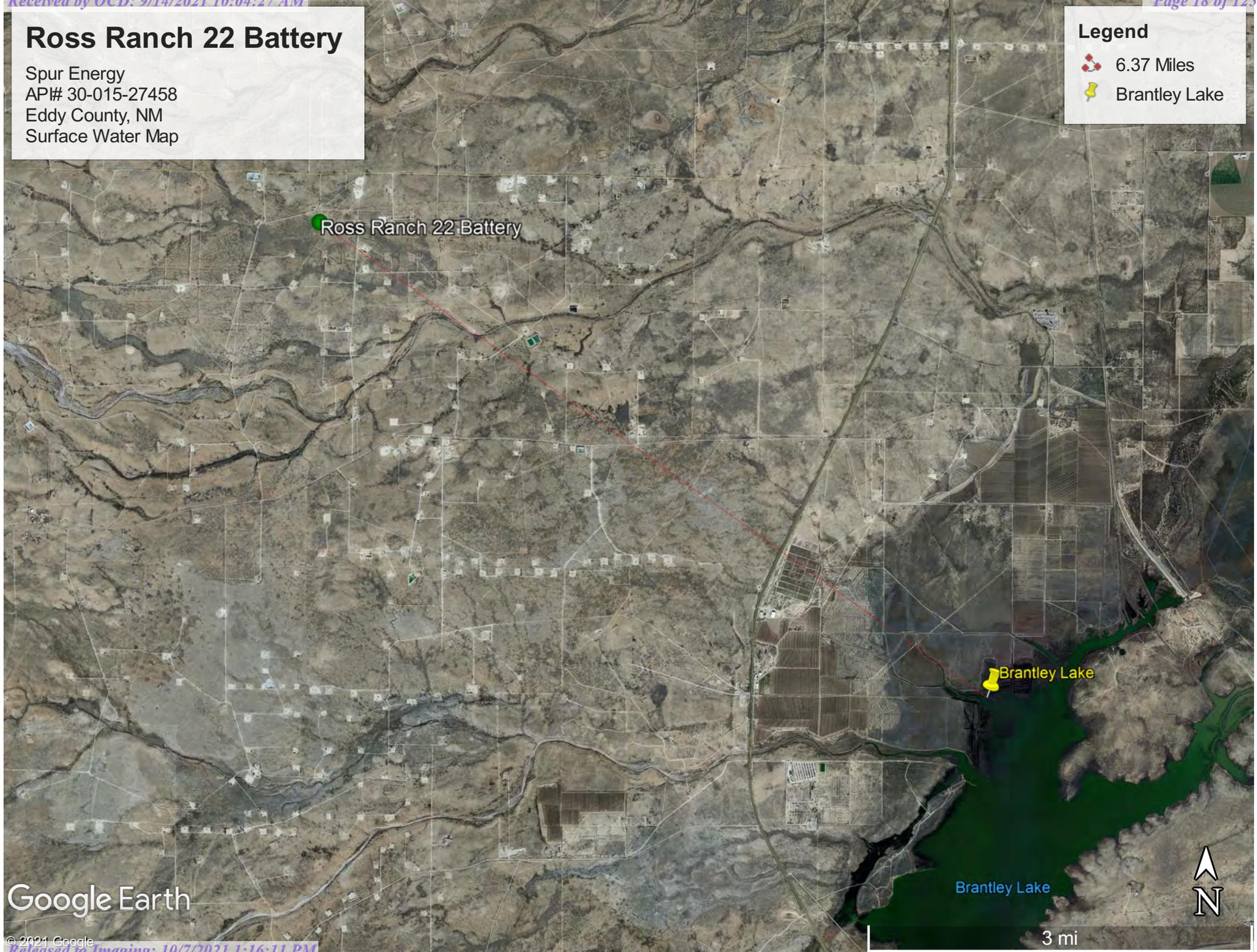
National Water Information System: Mapper



Ross Ranch 22 Battery
Spur Energy
AP# 30-015-27458
Eddy County, NM
Surface Water Map

Legend

-  6.37 Miles
-  Brantley Lake



Ross Ranch 22 Battery

Brantley Lake

Brantley Lake

3 mi

Google Earth





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RE—Reagan-Upton association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w5d
Elevation: 1,100 to 5,400 feet
Mean annual precipitation: 6 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 180 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 70 percent
Upton and similar soils: 25 percent
Minor components: 5 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 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Ecological site: R070DY153NM - Loamy
Hydric soil rating: No

Description of Upton

Setting

Landform: Fans, ridges
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070DY159NM - Shallow Loamy
Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 3 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Pima

Percent of map unit: 2 percent
Ecological site: R042XC017NM - Bottomland

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

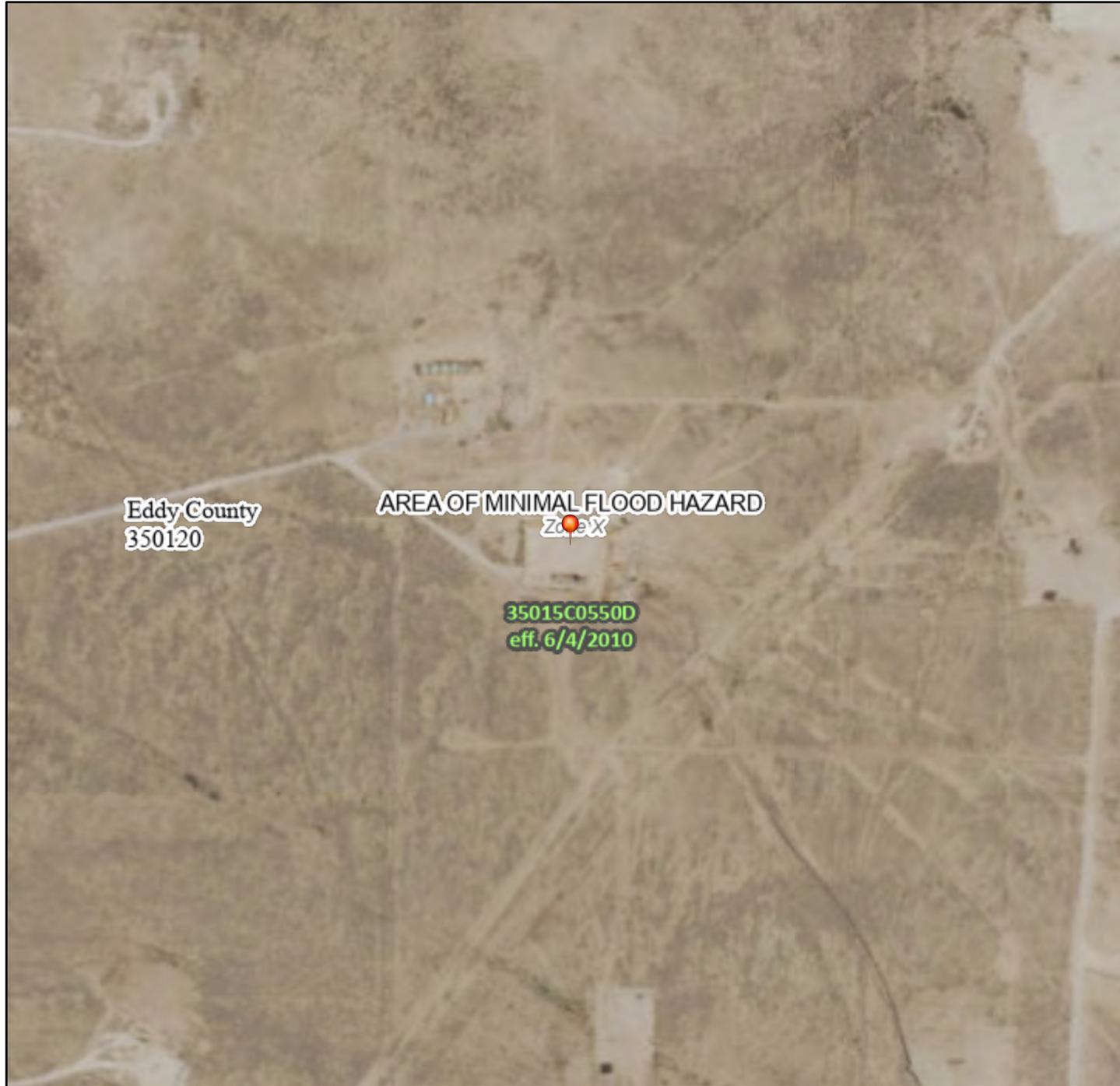
Data Source Information

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

National Flood Hazard Layer FIRMette



104°29'5"W 32°39'9"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD**
 - 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
 - Area with Flood Risk due to Levee Zone D
- OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D
- GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
- OTHER FEATURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
- MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - 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 8/2/2021 at 5:50 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.



Pima Environmental Services

Appendix C

C-141's:

Initial

Final

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-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRH2002854238
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party SPUR ENERGY PARTNERS	OGRID 328947
Contact Name KENNY KIDD	Contact Telephone 575-616-5400
Contact email kkidd@spurepllc.com	Incident # <i>(assigned by OCD)</i>
Contact mailing address 919 MILAM STREET SUITE 2475 HOUSTON TEXAS 77002	

Location of Release Source

Latitude **32.6482239**

Longitude **-104.4789658**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name ROSS RANCH 22 BTY (CLOSEST WELL #002)	Site Type OIL & GAS
Date Release Discovered 12-12-19	API# 30-015-27458

Unit Letter	Section	Township	Range	County
E	22	19S	25E	EDDY

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1BBL	Volume Recovered (bbls) 1BBL
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 20BBLS	Volume Recovered (bbls) 19BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

WATER LINE BUSTED OFF OF THE FWKO.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>NATALIE GLADDEN</u> Title: <u>ENVIRONMENTAL AND REGULATORY</u> DIRECTOR Signature: <u></u> Date: <u>12/23/19</u> email: <u>NGLADDEN@HUNGRY-HORSE.COM</u> Telephone: <u>575-390-6397</u>
<u>OCD Only</u> Received by: <u>Cristina Eads</u> Date: <u>02/06/2020</u>

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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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

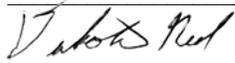
Characterization Report Checklist: *Each of the following items must be included in the report.*

- 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.

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Dakota Neel Title: HSE Coordinator
Signature:  Date: 9/7/2021
email: dneel@spurepllc.com Telephone: 832-849-7837

OCD Only

Received by: _____ Date: _____

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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.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dakota Neel Title: HSE Coordinator
 Signature:  Date: 9/7/2021
 email: dneel@spurepllc.com Telephone: 832-849-7837

OCD Only

Received by: Chad Hensley Date: 10/07/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 10/07/2021
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
SPUR ENERGY COMPANY
ROSS RANCH 22 BATTERY**

Pre-Treatment







Post Treatment





Pima Environmental Services

Appendix E

Laboratory Reports



Spur	Project Name:	Ross Ranch Battery	Reported: 03/10/20 15:39
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp3-14	P003024-01A	Soil	03/02/20	03/06/20	Glass Jar, 4 oz.
Sp1-7	P003024-02A	Soil	03/03/20	03/06/20	Glass Jar, 4 oz.
Sp2-4	P003024-03A	Soil	03/03/20	03/06/20	Glass Jar, 4 oz.
Sp4-5	P003024-04A	Soil	03/03/20	03/06/20	Glass Jar, 4 oz.
Sp5-8	P003024-05A	Soil	03/03/20	03/06/20	Glass Jar, 4 oz.

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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Battery Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 03/10/20 15:39
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Sp3-14
P003024-01 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B	
p,m-Xylene	0.0692	0.0500	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B	
o-Xylene	0.0320	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B	
Total Xylenes	0.101	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>107 %</i>		<i>50-150</i>	<i>2010030</i>	<i>03/06/20</i>	<i>03/06/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	639	50.0	mg/kg	2	2010018	03/06/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	306	100	mg/kg	2	2010018	03/06/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>113 %</i>		<i>50-200</i>	<i>2010018</i>	<i>03/06/20</i>	<i>03/10/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>94.2 %</i>		<i>50-150</i>	<i>2010030</i>	<i>03/06/20</i>	<i>03/06/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	83.6	20.0	mg/kg	1	2010036	03/06/20	03/09/20	EPA 300.0/9056A	
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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Battery Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 03/10/20 15:39
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Sp1-7
P003024-02 (Solid)

Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B
Toluene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B
Ethylbenzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B
p,m-Xylene	ND	0.0500	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B
o-Xylene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B
Total Xylenes	ND	0.0250	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8021B
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2010030	03/06/20	03/06/20	EPA 8021B

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	30.1	25.0	mg/kg	1	2010018	03/06/20	03/10/20	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010018	03/06/20	03/10/20	EPA 8015D
<i>Surrogate: n-Nonane</i>		85.4 %		50-200	2010018	03/06/20	03/10/20	EPA 8015D

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010030	03/06/20	03/06/20	EPA 8015D
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %		50-150	2010030	03/06/20	03/06/20	EPA 8015D

Anions by 300.0/9056A

Chloride	1000	20.0	mg/kg	1	2010036	03/06/20	03/09/20	EPA 300.0/9056A
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Spur	Project Name:	Ross Ranch Battery	Reported: 03/10/20 15:39
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Sp2-4
P003024-03 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2010030	03/06/20	03/07/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	192	25.0	mg/kg	1	2010018	03/06/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	89.7	50.0	mg/kg	1	2010018	03/06/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		84.9 %		50-200	2010018	03/06/20	03/10/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %		50-150	2010030	03/06/20	03/07/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1430	20.0	mg/kg	1	2010036	03/06/20	03/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Ross Ranch Battery	Reported: 03/10/20 15:39
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Sp4-5
P003024-04 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2010030	03/06/20	03/07/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2010018	03/06/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010018	03/06/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.0 %		50-200	2010018	03/06/20	03/10/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %		50-150	2010030	03/06/20	03/07/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1250	20.0	mg/kg	1	2010036	03/06/20	03/09/20	EPA 300.0/9056A	
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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Battery Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 03/10/20 15:39
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Sp5-8
P003024-05 (Solid)

Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B
Toluene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B
Ethylbenzene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B
p,m-Xylene	ND	0.0500	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B
o-Xylene	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B
Total Xylenes	ND	0.0250	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8021B
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2010030	03/06/20	03/07/20	EPA 8021B

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	71.2	25.0	mg/kg	1	2010018	03/06/20	03/10/20	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010018	03/06/20	03/10/20	EPA 8015D
<i>Surrogate: n-Nonane</i>		93.2 %		50-200	2010018	03/06/20	03/10/20	EPA 8015D

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010030	03/06/20	03/07/20	EPA 8015D
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %		50-150	2010030	03/06/20	03/07/20	EPA 8015D

Anions by 300.0/9056A

Chloride	921	20.0	mg/kg	1	2010036	03/06/20	03/09/20	EPA 300.0/9056A
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Spur	Project Name:	Ross Ranch Battery	Reported: 03/10/20 15:39
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

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 2010030 - Purge and Trap EPA 5030A

Blank (2010030-BLK1)

Prepared: 03/06/20 0 Analyzed: 03/06/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	8.32		"	8.00		104	50-150			

LCS (2010030-BS1)

Prepared: 03/06/20 0 Analyzed: 03/06/20 1

Benzene	4.74	0.0250	mg/kg	5.00		94.7	70-130			
Toluene	4.74	0.0250	"	5.00		94.9	70-130			
Ethylbenzene	4.72	0.0250	"	5.00		94.5	70-130			
p,m-Xylene	9.45	0.0500	"	10.0		94.5	70-130			
o-Xylene	4.78	0.0250	"	5.00		95.5	70-130			
Total Xylenes	14.2	0.0250	"	15.0		94.9	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.56		"	8.00		107	50-150			

Matrix Spike (2010030-MS1)

Source: P003020-01

Prepared: 03/06/20 0 Analyzed: 03/06/20 1

Benzene	4.44	0.0250	mg/kg	5.00	0.0901	86.9	54.3-133			
Toluene	5.15	0.0250	"	5.00	0.373	95.4	61.4-130			
Ethylbenzene	6.13	0.0250	"	5.00	1.08	101	61.4-133			
p,m-Xylene	15.9	0.0500	"	10.0	4.96	110	63.3-131			
o-Xylene	7.66	0.0250	"	5.00	1.97	114	63.3-131			
Total Xylenes	23.6	0.0250	"	15.0	6.93	111	0-200			
Surrogate: 4-Bromochlorobenzene-PID	9.53		"	8.00		119	50-150			

Matrix Spike Dup (2010030-MSD1)

Source: P003020-01

Prepared: 03/06/20 0 Analyzed: 03/06/20 1

Benzene	4.50	0.0250	mg/kg	5.00	0.0901	88.2	54.3-133	1.45	20	
Toluene	5.29	0.0250	"	5.00	0.373	98.4	61.4-130	2.80	20	
Ethylbenzene	6.39	0.0250	"	5.00	1.08	106	61.4-133	4.14	20	
p,m-Xylene	17.0	0.0500	"	10.0	4.96	121	63.3-131	6.65	20	
o-Xylene	8.18	0.0250	"	5.00	1.97	124	63.3-131	6.58	20	
Total Xylenes	25.2	0.0250	"	15.0	6.93	122	0-200	6.63	200	
Surrogate: 4-Bromochlorobenzene-PID	9.53		"	8.00		119	50-150			

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Spur	Project Name:	Ross Ranch Battery	Reported: 03/10/20 15:39
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Nonhalogenated Organics by 8015 - DRO/ORO - 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 2010018 - DRO Extraction EPA 3570

Blank (2010018-BLK1)

Prepared: 03/04/20 1 Analyzed: 03/10/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	48.0		"	50.0		96.0	50-200			

LCS (2010018-BS1)

Prepared: 03/04/20 1 Analyzed: 03/10/20 1

Diesel Range Organics (C10-C28)	429	25.0	mg/kg	500		85.8	38-132			
Surrogate: n-Nonane	48.2		"	50.0		96.4	50-200			

Matrix Spike (2010018-MS1)

Source: P003016-01

Prepared: 03/04/20 1 Analyzed: 03/10/20 1

Diesel Range Organics (C10-C28)	1670	250	mg/kg	500	1060	122	38-132			
Surrogate: n-Nonane	55.1		"	50.0		110	50-200			

Matrix Spike Dup (2010018-MSD1)

Source: P003016-01

Prepared: 03/04/20 1 Analyzed: 03/10/20 1

Diesel Range Organics (C10-C28)	1610	250	mg/kg	500	1060	111	38-132	3.43	20	
Surrogate: n-Nonane	54.9		"	50.0		110	50-200			

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Spur	Project Name:	Ross Ranch Battery	Reported: 03/10/20 15:39
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Nonhalogenated Organics by 8015 - GRO - 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 2010030 - Purge and Trap EPA 5030A

Blank (2010030-BLK1)

Prepared: 03/06/20 0 Analyzed: 03/06/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		"	8.00		94.6	50-150			

LCS (2010030-BS2)

Prepared: 03/06/20 0 Analyzed: 03/06/20 1

Gasoline Range Organics (C6-C10)	47.3	20.0	mg/kg	50.0		94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		"	8.00		94.7	50-150			

Matrix Spike (2010030-MS2)

Source: P003020-01

Prepared: 03/06/20 0 Analyzed: 03/06/20 1

Gasoline Range Organics (C6-C10)	215	20.0	mg/kg	50.0	121	189	70-130			M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.85		"	8.00		111	50-150			

Matrix Spike Dup (2010030-MSD2)

Source: P003020-01

Prepared: 03/06/20 0 Analyzed: 03/06/20 2

Gasoline Range Organics (C6-C10)	234	20.0	mg/kg	50.0	121	227	70-130	8.30	20	M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.88		"	8.00		111	50-150			

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Spur	Project Name:	Ross Ranch Battery	Reported: 03/10/20 15:39
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

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 2010036 - Anion Extraction EPA 300.0/9056A

Blank (2010036-BLK1)

Prepared: 03/06/20 1 Analyzed: 03/09/20 1

Chloride	ND	20.0	mg/kg							
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LCS (2010036-BS1)

Prepared: 03/06/20 1 Analyzed: 03/09/20 1

Chloride	251	20.0	mg/kg	250		100	90-110			
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Matrix Spike (2010036-MS1)

Source: P003021-01

Prepared: 03/06/20 1 Analyzed: 03/09/20 1

Chloride	609	20.0	mg/kg	250	362	98.6	80-120			
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Matrix Spike Dup (2010036-MSD1)

Source: P003021-01

Prepared: 03/06/20 1 Analyzed: 03/09/20 1

Chloride	627	20.0	mg/kg	250	362	106	80-120	2.88	20	
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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.

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Spur	Project Name:	Ross Ranch Battery	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/10/20 15:39

Notes and Definitions

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: <u>SUN</u>	Bill To Attention: <u>Natalie Kladdell</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>Nkladdell@hungry-horse.com</u>	Lab Use Only		TAT		EPA Program					
Project: <u>ROSS Ranch Battery</u>		Lab WO# <u>P003024</u>	Job Number <u>19054-0003</u>	1D	3D	RCRA	CWA	SDWA			
Project Manager: <u>Lindsey Salgado</u>		Analysis and Method						State			
Address: _____		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX		
City, State, Zip _____								NM	CO	UT	AZ
Phone: _____								TX	OK		
Email: <u>SalgadoL@hungry-horse.com</u>											
Report due by: _____											

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks	
3:21	3/2/20	S	1	Sp3-14	1									1.4oz glass jar	
10:27	3/3/20	}	}	Sp1-7	2										
9:07	3/3/20			Sp2-4	3										
11:51	3/3/20			Sp4-5	4										
2:35	3/3/20			Sp5-8	5										

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

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>[Signature]</u>	Date <u>3/2/20</u>	Time <u>0630</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/2/20</u>	Time <u>0630</u>	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0°C</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3/5/20</u>	Time <u>1415</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-5-2020</u>	Time <u>1415</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3.5.2020</u>	Time <u>1600</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-6-20</u>	Time <u>09:30</u>	

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.



Analytical Report

Report Summary

Client: Spur

Samples Received: 3/9/2020

Job Number: 19054-0003

Work Order: P003038

Project Name/Location: Ross Ranch

Report Reviewed By:

Date: 3/11/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TN1 unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TN1 certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TN1 certification T104704557-19-2 for the data reported.



Spur	Project Name:	Ross Ranch	Reported: 03/11/20 16:02
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp7-4	P003038-01A	Soil	03/05/20	03/09/20	Glass Jar, 4 oz.
Sp8-12	P003038-02A	Soil	03/05/20	03/09/20	Glass Jar, 4 oz.
Sp9-12	P003038-03A	Soil	03/05/20	03/09/20	Glass Jar, 4 oz.
Sp10-4	P003038-04A	Soil	03/05/20	03/09/20	Glass Jar, 4 oz.

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Spur	Project Name:	Ross Ranch	Reported: 03/11/20 16:02
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

Sp7-4
P003038-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011005	03/09/20	03/10/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011008	03/09/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011008	03/09/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		101 %		50-200	2011008	03/09/20	03/10/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %		50-150	2011005	03/09/20	03/10/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	716	40.0	mg/kg	2	2011012	03/10/20	03/10/20	EPA 300.0/9056A	
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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 03/11/20 16:02
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Sp8-12
P003038-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2011005	03/09/20	03/10/20	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	80.8	25.0	mg/kg	1	2011008	03/09/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011008	03/09/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		92.4 %		50-200	2011008	03/09/20	03/10/20	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %		50-150	2011005	03/09/20	03/10/20	EPA 8015D	
Anions by 300.0/9056A									
Chloride	157	20.0	mg/kg	1	2011012	03/10/20	03/10/20	EPA 300.0/9056A	

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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 03/11/20 16:02
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Sp9-12
P003038-03 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011005	03/09/20	03/10/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	52.1	25.0	mg/kg	1	2011008	03/09/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011008	03/09/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		93.9 %		50-200	2011008	03/09/20	03/10/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %		50-150	2011005	03/09/20	03/10/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	39.7	20.0	mg/kg	1	2011012	03/10/20	03/10/20	EPA 300.0/9056A	
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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 03/11/20 16:02
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Sp10-4
P003038-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %		50-150	2011005	03/09/20	03/10/20	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	44.0	25.0	mg/kg	1	2011008	03/09/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011008	03/09/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		81.3 %		50-200	2011008	03/09/20	03/10/20	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011005	03/09/20	03/10/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %		50-150	2011005	03/09/20	03/10/20	EPA 8015D	
Anions by 300.0/9056A									
Chloride	52.3	20.0	mg/kg	1	2011012	03/10/20	03/10/20	EPA 300.0/9056A	

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Spur	Project Name:	Ross Ranch	Reported: 03/11/20 16:02
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

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 2011005 - Purge and Trap EPA 5030A

Blank (2011005-BLK1)

Prepared: 03/09/20 1 Analyzed: 03/09/20 2

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.49		"	8.00		106	50-150			

LCS (2011005-BS1)

Prepared: 03/09/20 1 Analyzed: 03/09/20 2

Benzene	5.04	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.12	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.13	0.0250	"	5.00		103	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.18	0.0250	"	5.00		104	70-130			
Total Xylenes	15.4	0.0250	"	15.0		103	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.57		"	8.00		107	50-150			

Matrix Spike (2011005-MS1)

Source: P003036-01

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Benzene	4.90	0.0250	mg/kg	5.00	ND	98.0	54.3-133			
Toluene	4.99	0.0250	"	5.00	ND	99.9	61.4-130			
Ethylbenzene	5.02	0.0250	"	5.00	ND	100	61.4-133			
p,m-Xylene	10.0	0.0500	"	10.0	0.0526	99.8	63.3-131			
o-Xylene	5.06	0.0250	"	5.00	ND	101	63.3-131			
Total Xylenes	15.1	0.0250	"	15.0	0.0526	100	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.61		"	8.00		108	50-150			

Matrix Spike Dup (2011005-MSD1)

Source: P003036-01

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Benzene	4.89	0.0250	mg/kg	5.00	ND	97.8	54.3-133	0.193	20	
Toluene	4.95	0.0250	"	5.00	ND	99.0	61.4-130	0.905	20	
Ethylbenzene	4.98	0.0250	"	5.00	ND	99.5	61.4-133	0.878	20	
p,m-Xylene	9.94	0.0500	"	10.0	0.0526	98.9	63.3-131	0.850	20	
o-Xylene	5.05	0.0250	"	5.00	ND	101	63.3-131	0.238	20	
Total Xylenes	15.0	0.0250	"	15.0	0.0526	99.6	0-200	0.645	200	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.57		"	8.00		107	50-150			

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Spur	Project Name:	Ross Ranch	Reported: 03/11/20 16:02
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

Nonhalogenated Organics by 8015 - DRO/ORO - 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 2011008 - DRO Extraction EPA 3570

Blank (2011008-BLK1)

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	45.1		"	50.0		90.3	50-200			

LCS (2011008-BS1)

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Diesel Range Organics (C10-C28)	419	25.0	mg/kg	500		83.7	38-132			
Surrogate: n-Nonane	45.4		"	50.0		90.9	50-200			

Matrix Spike (2011008-MS1)

Source: P003034-01

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500	ND	104	38-132			
Surrogate: n-Nonane	47.6		"	50.0		95.2	50-200			

Matrix Spike Dup (2011008-MSD1)

Source: P003034-01

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Diesel Range Organics (C10-C28)	513	25.0	mg/kg	500	ND	103	38-132	1.74	20	
Surrogate: n-Nonane	49.3		"	50.0		98.7	50-200			

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Spur	Project Name:	Ross Ranch	Reported: 03/11/20 16:02
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

Nonhalogenated Organics by 8015 - GRO - 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 2011005 - Purge and Trap EPA 5030A

Blank (2011005-BLK1)

Prepared: 03/09/20 1 Analyzed: 03/09/20 2

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		"	8.00		92.4	50-150			

LCS (2011005-BS2)

Prepared: 03/09/20 1 Analyzed: 03/09/20 2

Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		"	8.00		94.9	50-150			

Matrix Spike (2011005-MS2)

Source: P003036-01

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Gasoline Range Organics (C6-C10)	51.2	20.0	mg/kg	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		"	8.00		95.2	50-150			

Matrix Spike Dup (2011005-MSD2)

Source: P003036-01

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Gasoline Range Organics (C6-C10)	50.0	20.0	mg/kg	50.0	ND	100	70-130	2.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		"	8.00		94.0	50-150			

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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 03/11/20 16:02
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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 2011012 - Anion Extraction EPA 300.0/9056A

Blank (2011012-BLK1)

Prepared: 03/10/20 0 Analyzed: 03/10/20 1

Chloride	ND	20.0	mg/kg							
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LCS (2011012-BS1)

Prepared: 03/10/20 0 Analyzed: 03/10/20 1

Chloride	253	20.0	mg/kg	250		101	90-110			
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Matrix Spike (2011012-MS1)

Source: P003038-01

Prepared: 03/10/20 0 Analyzed: 03/10/20 1

Chloride	981	40.0	mg/kg	250	716	106	80-120			
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Matrix Spike Dup (2011012-MSD1)

Source: P003038-01

Prepared: 03/10/20 0 Analyzed: 03/10/20 1

Chloride	985	40.0	mg/kg	250	716	108	80-120	0.435	20	
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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.

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Spur	Project Name:	Ross Ranch	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/11/20 16:02

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: <u>S.D.W.</u>		Bill To		Lab Use Only				TAT		EPA Program						
Project: <u>Ross Ranch</u>		Attention: <u>Natalie Gladdell</u>		Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA				
Project Manager: <u>Laurie Seeley Sales</u>		Address:		<u>P003038</u>		<u>19054-0003</u>			<input checked="" type="checkbox"/>							
Address:		City, State, Zip		Analysis and Method								State				
City, State, Zip		Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ
Email:		Email: <u>Ngladdell@shaw-hov.com</u>														
Report due by:																

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks	
9:18	3/4/20	S	1	SP7-4	1										
11:40	3/5/20	}	}	SP8-12	2										
2:23	3/5/20			SP9-12	3										
2:57	3/5/20			SP10-4	4										

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. Sampled by: _____

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>Totter Kivela</u>	Date <u>3/6/20</u>	Time <u>6:45</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-6-2020</u>	Time <u>1315</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-6-2020</u>	Time <u>1510</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/9/20</u>	Time <u>10:00</u>	
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.



Analytical Report

Report Summary

Client: Spur

Samples Received: 3/11/2020

Job Number: 19054-0003

Work Order: P003056

Project Name/Location: Ross Ranch Battery

Report Reviewed By:

Date: 3/13/20

Walter Hinchman, Laboratory Director



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.
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Envirotech, Inc, holds the Utah TNi certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Spur
PO Box 1058
Hobbs NM, 88240

Project Name: Ross Ranch Battery
Project Number: 19054-0003
Project Manager: Lindsey Salgado

Reported:
03/13/20 15:05

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp11-12'	P003056-01A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.
Sp12-12	P003056-02A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.
SW1-2	P003056-03A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.
SW2-2'	P003056-04A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.
SW3-2'	P003056-05A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.
SW4-2	P003056-06A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.
SW5-2	P003056-07A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.
SW6-2	P003056-08A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.
SP6-7	P003056-09A	Soil	03/06/20	03/11/20	Glass Jar, 4 oz.

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Spur	Project Name:	Ross Ranch Battery	Reported: 03/13/20 15:05
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Sp11-12'
P003056-01 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	0.0668	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	0.219	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	0.425	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	0.308	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	0.733	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>107 %</i>		<i>50-150</i>	<i>2011027</i>	<i>03/11/20</i>	<i>03/13/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	402	50.0	mg/kg	2	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	178	100	mg/kg	2	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>104 %</i>		<i>50-200</i>	<i>2011035</i>	<i>03/12/20</i>	<i>03/13/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>87.0 %</i>		<i>50-150</i>	<i>2011027</i>	<i>03/11/20</i>	<i>03/13/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	213	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Battery Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 03/13/20 15:05
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Sp12-12
P003056-02 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011027	03/11/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	39.2	25.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.6 %		50-200	2011035	03/12/20	03/13/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.9 %		50-150	2011027	03/11/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	410	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	Ross Ranch Battery	Reported: 03/13/20 15:05
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

SW1-2
P003056-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %		50-150	2011027	03/11/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	11900	2500	mg/kg	100	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	8510	5000	mg/kg	100	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		%		50-200	2011035	03/12/20	03/13/20	EPA 8015D	S6

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.7 %		50-150	2011027	03/11/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1070	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Battery Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 03/13/20 15:05
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SW2-2'
P003056-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2011027	03/11/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	641	125	mg/kg	5	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	429	250	mg/kg	5	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		98.8 %		50-200	2011035	03/12/20	03/13/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.9 %		50-150	2011027	03/11/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	Ross Ranch Battery	Reported: 03/13/20 15:05
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

SW3-2'**P003056-05 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011027	03/11/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	125	25.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	203	50.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		94.9 %		50-200	2011035	03/12/20	03/13/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.0 %		50-150	2011027	03/11/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	331	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Battery Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 03/13/20 15:05
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SW4-2
P003056-06 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011027	03/11/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	147	25.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	91.2	50.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.3 %		50-200	2011035	03/12/20	03/13/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %		50-150	2011027	03/11/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	Ross Ranch Battery	Reported: 03/13/20 15:05
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

SW5-2
P003056-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011027	03/11/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	326	125	mg/kg	5	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	422	250	mg/kg	5	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		102 %		50-200	2011035	03/12/20	03/13/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %		50-150	2011027	03/11/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	Ross Ranch Battery	Reported: 03/13/20 15:05
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

SW6-2
P003056-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %		50-150	2011027	03/11/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	96.2	25.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	103	50.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		100 %		50-200	2011035	03/12/20	03/13/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.7 %		50-150	2011027	03/11/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Battery Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 03/13/20 15:05
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**SP6-7
P003056-09 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011027	03/11/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	51.6	25.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011035	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.1 %		50-200	2011035	03/12/20	03/13/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011027	03/11/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %		50-150	2011027	03/11/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	306	20.0	mg/kg	1	2011020	03/11/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	Ross Ranch Battery	Reported: 03/13/20 15:05
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

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 2011027 - Purge and Trap EPA 5030A

Blank (2011027-BLK1)

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.37		"	8.00		105	50-150			

LCS (2011027-BS1)

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Benzene	4.23	0.0250	mg/kg	5.00		84.7	70-130			
Toluene	4.67	0.0250	"	5.00		93.4	70-130			
Ethylbenzene	4.76	0.0250	"	5.00		95.2	70-130			
p,m-Xylene	9.45	0.0500	"	10.0		94.5	70-130			
o-Xylene	4.74	0.0250	"	5.00		94.8	70-130			
Total Xylenes	14.2	0.0250	"	15.0		94.6	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.46		"	8.00		106	50-150			

Matrix Spike (2011027-MS1)

Source: P003055-01

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Benzene	4.27	0.0250	mg/kg	5.00	ND	85.3	54.3-133			
Toluene	4.82	0.0250	"	5.00	ND	96.5	61.4-130			
Ethylbenzene	4.95	0.0250	"	5.00	ND	99.0	61.4-133			
p,m-Xylene	9.83	0.0500	"	10.0	ND	98.3	63.3-131			
o-Xylene	4.94	0.0250	"	5.00	ND	98.7	63.3-131			
Total Xylenes	14.8	0.0250	"	15.0	ND	98.4	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.44		"	8.00		106	50-150			

Matrix Spike Dup (2011027-MSD1)

Source: P003055-01

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Benzene	4.22	0.0250	mg/kg	5.00	ND	84.4	54.3-133	1.07	20	
Toluene	4.77	0.0250	"	5.00	ND	95.4	61.4-130	1.10	20	
Ethylbenzene	4.92	0.0250	"	5.00	ND	98.4	61.4-133	0.545	20	
p,m-Xylene	9.78	0.0500	"	10.0	ND	97.8	63.3-131	0.562	20	
o-Xylene	4.90	0.0250	"	5.00	ND	98.0	63.3-131	0.707	20	
Total Xylenes	14.7	0.0250	"	15.0	ND	97.8	0-200	0.610	200	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.49		"	8.00		106	50-150			

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Spur	Project Name:	Ross Ranch Battery	Reported: 03/13/20 15:05
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Nonhalogenated Organics by 8015 - DRO/ORO - 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 2011035 - DRO Extraction EPA 3570

Blank (2011035-BLK1)

Prepared: 03/12/20 1 Analyzed: 03/12/20 2

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	50.9		"	50.0		102	50-200			

LCS (2011035-BS1)

Prepared: 03/12/20 1 Analyzed: 03/13/20 0

Diesel Range Organics (C10-C28)	421	25.0	mg/kg	500		84.2	38-132			
Surrogate: n-Nonane	46.4		"	50.0		92.7	50-200			

Matrix Spike (2011035-MS1)

Source: P003046-01

Prepared: 03/12/20 1 Analyzed: 03/13/20 0

Diesel Range Organics (C10-C28)	428	25.0	mg/kg	500	ND	85.6	38-132			
Surrogate: n-Nonane	47.0		"	50.0		94.0	50-200			

Matrix Spike Dup (2011035-MSD1)

Source: P003046-01

Prepared: 03/12/20 1 Analyzed: 03/13/20 0

Diesel Range Organics (C10-C28)	428	25.0	mg/kg	500	ND	85.6	38-132	0.0736	20	
Surrogate: n-Nonane	47.2		"	50.0		94.3	50-200			

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Spur	Project Name:	Ross Ranch Battery	Reported: 03/13/20 15:05
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Nonhalogenated Organics by 8015 - GRO - 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 2011027 - Purge and Trap EPA 5030A

Blank (2011027-BLK1)

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		"	8.00		86.2	50-150			

LCS (2011027-BS2)

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Gasoline Range Organics (C6-C10)	45.8	20.0	mg/kg	50.0		91.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		"	8.00		87.4	50-150			

Matrix Spike (2011027-MS2)

Source: P003055-01

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Gasoline Range Organics (C6-C10)	48.3	20.0	mg/kg	50.0	ND	96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		"	8.00		86.5	50-150			

Matrix Spike Dup (2011027-MSD2)

Source: P003055-01

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Gasoline Range Organics (C6-C10)	47.4	20.0	mg/kg	50.0	ND	94.8	70-130	1.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		"	8.00		87.1	50-150			

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Spur PO Box 1058 Hobbs NM, 88240	Project Name: Ross Ranch Battery Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 03/13/20 15:05
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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 2011020 - Anion Extraction EPA 300.0/9056A

Blank (2011020-BLK1)

Prepared: 03/11/20 0 Analyzed: 03/11/20 1

Chloride	ND	20.0	mg/kg							
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LCS (2011020-BS1)

Prepared: 03/11/20 0 Analyzed: 03/11/20 1

Chloride	251	20.0	mg/kg	250		100	90-110			
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Matrix Spike (2011020-MS1)

Source: P003053-01

Prepared: 03/11/20 0 Analyzed: 03/11/20 1

Chloride	446	20.0	mg/kg	250	171	110	80-120			
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Matrix Spike Dup (2011020-MSD1)

Source: P003053-01

Prepared: 03/11/20 0 Analyzed: 03/11/20 1

Chloride	445	20.0	mg/kg	250	171	110	80-120	0.153	20	
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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.

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Spur	Project Name:	Ross Ranch Battery	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 15:05

Notes and Definitions

S6 Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: <u>SPUR</u>		Bill To		Lab Use Only		TAT		EPA Program																			
Project: <u>Ross Ranch Battery</u>		Attention: <u>Natasha Gladden</u>		Lab WO# <u>P003056</u>		Job Number <u>19054-0003</u>		1D	3D	RCRA	CWA	SDWA															
Project Manager: <u>Lindsay Salgado</u>		Address:		Analysis and Method		State																					
Address:		City, State, Zip		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC - NM		BGDOC - TX		NM		CO		UT		AZ	
City, State, Zip		Phone:		Email: <u>NatashaGladden@hungry-horse.com</u>																TX		OK					
Phone:		Report due by:																									
Email: <u>lsalgado@hungry-horse.com</u>																											

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks	
11:27	3/10/20	S	1	Sp11-12'	1							X			
4:00	3/10/20	}	}	Sp12-12'	2							X			
2:13	3/10/20			SW1-2	3								X		
2:31	3/10/20			SW2-2'	4								X		
2:53	3/10/20			SW3-2	5								X		
1:54	3/10/20			SW4-2	6								X		
3:13	3/10/20			SW5-2	7								X		
3:36	3/10/20			SW6-2	8								X		

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. Sampled by: _____

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>[Signature]</u>	Date <u>3-9-20</u>	Time <u>0630</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/10/20</u>	Time <u>0630</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3/10/20</u>	Time <u>1100</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-10-2020</u>	Time <u>1100</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-10-2020</u>	Time <u>1515</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/10/20</u>	Time <u>9.40</u>	

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.

Client: <u>SPUR</u>		Bill To		Lab Use Only				TAT		EPA Program							
Project: <u>Ross Ranch Battery</u>		Attention: <u>Natale Gladden</u>		Lab WO# <u>P003056</u>		Job Number <u>19054-0003</u>		1D	3D	RCRA	CWA	SDWA					
Project Manager: <u>Lindsay Salgado</u>		Address:		Analysis and Method				X		State							
Address:		City, State, Zip		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ		
City, State, Zip		Phone:										TX			OK		
Phone:		Email: <u>Najaddeu@hunas-horse.com</u>															
Email: <u>LSalgado@hunas-horse.com</u>		Report due by:															

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks	
11:27	3/6/20	S	1	Sp11-12'	1							X			
4:00	3/6/20	}		Sp12-12	2							X			
2:13	3/6/20			SW1-2	3								X		
2:31	3/6/20			SW2-2	4								X		
2:53	3/6/20			SW3-2	5								X		
1:52	3/6/20			SW4-2	6								X		
3:13	3/6/20			SW5-2	7							X			
3:36	3/6/20			SW6-2	8							X			
	3/6/20	S	1	SP6-7	9							X			
				Per Client 3/11/20 RL											

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. Sampled by: _____

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>George Salgado</u>	Date <u>3-9-20</u>	Time <u>0630</u>	Received by: (Signature) <u>Kathy Rina</u>	Date <u>3/9/20</u>	Time <u>0630</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Kathy Rina</u>	Date <u>3/10/20</u>	Time <u>1100</u>	Received by: (Signature) <u>Raimon Lopez</u>	Date <u>3-10-2020</u>	Time <u>1100</u>	
Relinquished by: (Signature) <u>Raimon Lopez</u>	Date <u>3-10-2020</u>	Time <u>1515</u>	Received by: (Signature) _____	Date <u>3/10/20</u>	Time <u>9.40</u>	

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.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

July 01, 2021

Chris Jones
Pima Environmental Services LLC
1601 N. Turner Ste 500
Hobbs, NM 88240
TEL: (575) 631-6977
FAX

RE: Ross Ranch 22 Battery

OrderNo.: 2106B90

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 18 sample(s) on 6/23/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:30:00 PM

Lab ID: 2106B90-001

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	75	9.1		mg/Kg	1	6/26/2021 6:55:01 PM
Motor Oil Range Organics (MRO)	92	45		mg/Kg	1	6/26/2021 6:55:01 PM
Surr: DNOP	104	70-130		%Rec	1	6/26/2021 6:55:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/30/2021 5:51:00 AM
Surr: BFB	102	70-130		%Rec	1	6/30/2021 5:51:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/30/2021 5:51:00 AM
Toluene	ND	0.048		mg/Kg	1	6/30/2021 5:51:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/30/2021 5:51:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	6/30/2021 5:51:00 AM
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	6/30/2021 5:51:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	96	60		mg/Kg	20	6/28/2021 4:33:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:30:00 PM

Lab ID: 2106B90-002

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	60	9.7		mg/Kg	1	6/26/2021 7:19:52 PM
Motor Oil Range Organics (MRO)	72	49		mg/Kg	1	6/26/2021 7:19:52 PM
Surr: DNOP	84.6	70-130		%Rec	1	6/26/2021 7:19:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/30/2021 6:11:00 AM
Surr: BFB	100	70-130		%Rec	1	6/30/2021 6:11:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: mb
Benzene	ND	0.025		mg/Kg	1	6/30/2021 6:11:00 AM
Toluene	ND	0.049		mg/Kg	1	6/30/2021 6:11:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/30/2021 6:11:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/30/2021 6:11:00 AM
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	6/30/2021 6:11:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	110	60		mg/Kg	20	6/28/2021 4:46:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:30:00 PM

Lab ID: 2106B90-003

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	61	9.6		mg/Kg	1	6/26/2021 7:44:44 PM
Motor Oil Range Organics (MRO)	69	48		mg/Kg	1	6/26/2021 7:44:44 PM
Surr: DNOP	87.4	70-130		%Rec	1	6/26/2021 7:44:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/30/2021 6:31:00 AM
Surr: BFB	103	70-130		%Rec	1	6/30/2021 6:31:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: mb
Benzene	ND	0.023		mg/Kg	1	6/30/2021 6:31:00 AM
Toluene	ND	0.047		mg/Kg	1	6/30/2021 6:31:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/30/2021 6:31:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	6/30/2021 6:31:00 AM
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	6/30/2021 6:31:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	100	60		mg/Kg	20	6/28/2021 4:58:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:35:00 PM

Lab ID: 2106B90-004

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	120	9.9		mg/Kg	1	6/26/2021 8:09:37 PM
Motor Oil Range Organics (MRO)	160	49		mg/Kg	1	6/26/2021 8:09:37 PM
Surr: DNOP	72.1	70-130		%Rec	1	6/26/2021 8:09:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: mb
Gasoline Range Organics (GRO)	11	5.0		mg/Kg	1	6/30/2021 6:51:00 AM
Surr: BFB	99.1	70-130		%Rec	1	6/30/2021 6:51:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: mb
Benzene	ND	0.025		mg/Kg	1	6/30/2021 6:51:00 AM
Toluene	ND	0.050		mg/Kg	1	6/30/2021 6:51:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/30/2021 6:51:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	6/30/2021 6:51:00 AM
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	6/30/2021 6:51:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	100	59		mg/Kg	20	6/28/2021 5:10:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order 2106B90

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:35:00 PM

Lab ID: 2106B90-005

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	13	9.6		mg/Kg	1	6/26/2021 8:34:34 PM
Motor Oil Range Organics (MRO)	48	48		mg/Kg	1	6/26/2021 8:34:34 PM
Surr: DNOP	80.7	70-130		%Rec	1	6/26/2021 8:34:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/30/2021 7:11:00 AM
Surr: BFB	94.1	70-130		%Rec	1	6/30/2021 7:11:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: mb
Benzene	ND	0.025		mg/Kg	1	6/30/2021 7:11:00 AM
Toluene	ND	0.050		mg/Kg	1	6/30/2021 7:11:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/30/2021 7:11:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/30/2021 7:11:00 AM
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	6/30/2021 7:11:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/28/2021 5:23:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:35:00 PM

Lab ID: 2106B90-006

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	48	9.3		mg/Kg	1	6/27/2021 3:50:08 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/27/2021 3:50:08 PM
Surr: DNOP	76.7	70-130		%Rec	1	6/27/2021 3:50:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/30/2021 12:11:03 AM
Surr: BFB	105	70-130		%Rec	1	6/30/2021 12:11:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/30/2021 12:11:03 AM
Toluene	ND	0.049		mg/Kg	1	6/30/2021 12:11:03 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/30/2021 12:11:03 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/30/2021 12:11:03 AM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/30/2021 12:11:03 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	97	60		mg/Kg	20	6/28/2021 6:00:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-7 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:40:00 PM

Lab ID: 2106B90-007

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	58	9.6		mg/Kg	1	6/27/2021 5:03:00 PM
Motor Oil Range Organics (MRO)	51	48		mg/Kg	1	6/27/2021 5:03:00 PM
Surr: DNOP	70.2	70-130		%Rec	1	6/27/2021 5:03:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/30/2021 1:21:32 AM
Surr: BFB	104	70-130		%Rec	1	6/30/2021 1:21:32 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/30/2021 1:21:32 AM
Toluene	ND	0.049		mg/Kg	1	6/30/2021 1:21:32 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/30/2021 1:21:32 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/30/2021 1:21:32 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/30/2021 1:21:32 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	120	60		mg/Kg	20	6/28/2021 6:12:38 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-8 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:40:00 PM

Lab ID: 2106B90-008

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	48	9.8		mg/Kg	1	6/27/2021 5:27:24 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/27/2021 5:27:24 PM
Surr: DNOP	60.8	70-130	S	%Rec	1	6/27/2021 5:27:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/30/2021 4:06:28 AM
Surr: BFB	103	70-130		%Rec	1	6/30/2021 4:06:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/30/2021 4:06:28 AM
Toluene	ND	0.049		mg/Kg	1	6/30/2021 4:06:28 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/30/2021 4:06:28 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/30/2021 4:06:28 AM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	6/30/2021 4:06:28 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	160	60		mg/Kg	20	6/28/2021 6:24:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-9 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:40:00 PM

Lab ID: 2106B90-009

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	9.1	8.8		mg/Kg	1	6/27/2021 5:51:38 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/27/2021 5:51:38 PM
Surr: DNOP	64.6	70-130	S	%Rec	1	6/27/2021 5:51:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/30/2021 4:30:04 AM
Surr: BFB	98.5	70-130		%Rec	1	6/30/2021 4:30:04 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/30/2021 4:30:04 AM
Toluene	ND	0.049		mg/Kg	1	6/30/2021 4:30:04 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/30/2021 4:30:04 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/30/2021 4:30:04 AM
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	6/30/2021 4:30:04 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	61		mg/Kg	20	6/28/2021 6:37:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order 2106B90

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-10 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:45:00 PM

Lab ID: 2106B90-010

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	6/27/2021 6:16:03 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/27/2021 6:16:03 PM
Surr: DNOP	71.8	70-130		%Rec	1	6/27/2021 6:16:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/30/2021 4:53:39 AM
Surr: BFB	99.1	70-130		%Rec	1	6/30/2021 4:53:39 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/30/2021 4:53:39 AM
Toluene	ND	0.047		mg/Kg	1	6/30/2021 4:53:39 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/30/2021 4:53:39 AM
Xylenes, Total	ND	0.093		mg/Kg	1	6/30/2021 4:53:39 AM
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	6/30/2021 4:53:39 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/28/2021 6:49:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-11 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:45:00 PM

Lab ID: 2106B90-011

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	13	9.5		mg/Kg	1	6/27/2021 6:40:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/27/2021 6:40:22 PM
Surr: DNOP	54.4	70-130	S	%Rec	1	6/27/2021 6:40:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/30/2021 10:13:28 AM
Surr: BFB	102	70-130		%Rec	1	6/30/2021 10:13:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/30/2021 10:13:28 AM
Toluene	ND	0.049		mg/Kg	1	6/30/2021 10:13:28 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/30/2021 10:13:28 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/30/2021 10:13:28 AM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	6/30/2021 10:13:28 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/28/2021 7:02:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-12 Bottom

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:45:00 PM

Lab ID: 2106B90-012

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	6/27/2021 7:04:48 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/27/2021 7:04:48 PM
Surr: DNOP	49.5	70-130	S	%Rec	1	6/27/2021 7:04:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/30/2021 10:37:05 AM
Surr: BFB	102	70-130		%Rec	1	6/30/2021 10:37:05 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/30/2021 10:37:05 AM
Toluene	ND	0.046		mg/Kg	1	6/30/2021 10:37:05 AM
Ethylbenzene	ND	0.046		mg/Kg	1	6/30/2021 10:37:05 AM
Xylenes, Total	ND	0.093		mg/Kg	1	6/30/2021 10:37:05 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/30/2021 10:37:05 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	6/29/2021 8:20:05 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: SW-1 North

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:50:00 PM

Lab ID: 2106B90-013

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	40	9.2		mg/Kg	1	6/27/2021 7:28:58 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/27/2021 7:28:58 PM
Surr: DNOP	70.6	70-130		%Rec	1	6/27/2021 7:28:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/30/2021 11:00:44 AM
Surr: BFB	114	70-130		%Rec	1	6/30/2021 11:00:44 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/30/2021 11:00:44 AM
Toluene	ND	0.048		mg/Kg	1	6/30/2021 11:00:44 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/30/2021 11:00:44 AM
Xylenes, Total	ND	0.096		mg/Kg	1	6/30/2021 11:00:44 AM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/30/2021 11:00:44 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	81	60		mg/Kg	20	6/29/2021 8:32:30 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: SW-2 West

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:50:00 PM

Lab ID: 2106B90-014

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	11	9.1		mg/Kg	1	6/27/2021 7:53:24 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/27/2021 7:53:24 PM
Surr: DNOP	70.0	70-130	S	%Rec	1	6/27/2021 7:53:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/30/2021 11:24:19 AM
Surr: BFB	107	70-130		%Rec	1	6/30/2021 11:24:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/30/2021 11:24:19 AM
Toluene	ND	0.048		mg/Kg	1	6/30/2021 11:24:19 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/30/2021 11:24:19 AM
Xylenes, Total	ND	0.096		mg/Kg	1	6/30/2021 11:24:19 AM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	6/30/2021 11:24:19 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	61		mg/Kg	20	6/29/2021 8:44:55 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: SW-3 West

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:50:00 PM

Lab ID: 2106B90-015

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	13	9.6		mg/Kg	1	6/27/2021 8:17:41 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/27/2021 8:17:41 PM
Surr: DNOP	71.0	70-130		%Rec	1	6/27/2021 8:17:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/30/2021 11:47:54 AM
Surr: BFB	104	70-130		%Rec	1	6/30/2021 11:47:54 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/30/2021 11:47:54 AM
Toluene	ND	0.046		mg/Kg	1	6/30/2021 11:47:54 AM
Ethylbenzene	ND	0.046		mg/Kg	1	6/30/2021 11:47:54 AM
Xylenes, Total	ND	0.093		mg/Kg	1	6/30/2021 11:47:54 AM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/30/2021 11:47:54 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	6/29/2021 8:57:20 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: SW-4 South

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:55:00 PM

Lab ID: 2106B90-016

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/27/2021 8:42:04 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/27/2021 8:42:04 PM
Surr: DNOP	62.2	70-130	S	%Rec	1	6/27/2021 8:42:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/30/2021 12:11:28 PM
Surr: BFB	106	70-130		%Rec	1	6/30/2021 12:11:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/30/2021 12:11:28 PM
Toluene	ND	0.048		mg/Kg	1	6/30/2021 12:11:28 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/30/2021 12:11:28 PM
Xylenes, Total	ND	0.096		mg/Kg	1	6/30/2021 12:11:28 PM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/30/2021 12:11:28 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	6/29/2021 9:09:45 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: SW-5 East

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:55:00 PM

Lab ID: 2106B90-017

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	57	9.4		mg/Kg	1	6/27/2021 9:06:14 PM
Motor Oil Range Organics (MRO)	60	47		mg/Kg	1	6/27/2021 9:06:14 PM
Surr: DNOP	60.6	70-130	S	%Rec	1	6/27/2021 9:06:14 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/30/2021 12:34:59 PM
Surr: BFB	104	70-130		%Rec	1	6/30/2021 12:34:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/30/2021 12:34:59 PM
Toluene	ND	0.048		mg/Kg	1	6/30/2021 12:34:59 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/30/2021 12:34:59 PM
Xylenes, Total	ND	0.097		mg/Kg	1	6/30/2021 12:34:59 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/30/2021 12:34:59 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	98	60		mg/Kg	20	6/29/2021 9:22:09 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2106B90**

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: SW-6 East

Project: Ross Ranch 22 Battery

Collection Date: 6/21/2021 2:55:00 PM

Lab ID: 2106B90-018

Matrix: SOIL

Received Date: 6/23/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	90	9.3		mg/Kg	1	6/27/2021 9:30:36 PM
Motor Oil Range Organics (MRO)	81	46		mg/Kg	1	6/27/2021 9:30:36 PM
Surr: DNOP	62.1	70-130	S	%Rec	1	6/27/2021 9:30:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/30/2021 12:58:39 PM
Surr: BFB	102	70-130		%Rec	1	6/30/2021 12:58:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/30/2021 12:58:39 PM
Toluene	ND	0.048		mg/Kg	1	6/30/2021 12:58:39 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/30/2021 12:58:39 PM
Xylenes, Total	ND	0.096		mg/Kg	1	6/30/2021 12:58:39 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/30/2021 12:58:39 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	110	60		mg/Kg	20	6/29/2021 4:01:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC

Project: Ross Ranch 22 Battery

Sample ID: MB-60963	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60963	RunNo: 79430								
Prep Date: 6/28/2021	Analysis Date: 6/28/2021	SeqNo: 2792218	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60963	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60963	RunNo: 79430								
Prep Date: 6/28/2021	Analysis Date: 6/28/2021	SeqNo: 2792219	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Sample ID: MB-60967	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60967	RunNo: 79428								
Prep Date: 6/28/2021	Analysis Date: 6/29/2021	SeqNo: 2792923	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60967	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60967	RunNo: 79428								
Prep Date: 6/28/2021	Analysis Date: 6/29/2021	SeqNo: 2792924	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC

Project: Ross Ranch 22 Battery

Sample ID: MB-60915	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 60915		RunNo: 79325							
Prep Date: 6/24/2021	Analysis Date: 6/26/2021		SeqNo: 2789501		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		98.4	70	130			

Sample ID: LCS-60915	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 60915		RunNo: 79325							
Prep Date: 6/24/2021	Analysis Date: 6/26/2021		SeqNo: 2789503		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.7	70	130			

Sample ID: MB-60925	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 60925		RunNo: 79364							
Prep Date: 6/25/2021	Analysis Date: 6/26/2021		SeqNo: 2789749		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	70	130			

Sample ID: LCS-60925	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 60925		RunNo: 79364							
Prep Date: 6/25/2021	Analysis Date: 6/26/2021		SeqNo: 2789750		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.0	68.9	141			
Surr: DNOP	5.6		5.000		112	70	130			

Sample ID: LCS-60942	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 60942		RunNo: 79325							
Prep Date: 6/26/2021	Analysis Date: 6/27/2021		SeqNo: 2789806		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.9	68.9	141			
Surr: DNOP	3.7		5.000		74.6	70	130			

Sample ID: MB-60942	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 60942		RunNo: 79325							
Prep Date: 6/26/2021	Analysis Date: 6/27/2021		SeqNo: 2789807		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC
Project: Ross Ranch 22 Battery

Sample ID: MB-60942	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60942	RunNo: 79325								
Prep Date: 6/26/2021	Analysis Date: 6/27/2021	SeqNo: 2789807	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.4		10.00		74.2	70	130			

Sample ID: 2106B90-006AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-6 Bottom	Batch ID: 60942	RunNo: 79325								
Prep Date: 6/26/2021	Analysis Date: 6/27/2021	SeqNo: 2790177	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	82	9.2	45.96	47.72	74.3	15	184			
Surr: DNOP	1.9		4.596		41.0	70	130			S

Sample ID: 2106B90-006AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-6 Bottom	Batch ID: 60942	RunNo: 79325								
Prep Date: 6/26/2021	Analysis Date: 6/27/2021	SeqNo: 2790178	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	81	9.4	47.17	47.72	69.5	15	184	1.66	23.9	
Surr: DNOP	2.8		4.717		59.2	70	130	0	0	S

Sample ID: MB-60944	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60944	RunNo: 79401								
Prep Date: 6/26/2021	Analysis Date: 6/28/2021	SeqNo: 2790929	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		82.1	70	130			

Sample ID: LCS-60944	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60944	RunNo: 79401								
Prep Date: 6/26/2021	Analysis Date: 6/28/2021	SeqNo: 2790930	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		79.9	70	130			

Sample ID: MB-60955	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60955	RunNo: 79401								
Prep Date: 6/27/2021	Analysis Date: 6/28/2021	SeqNo: 2791434	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.7		10.00		77.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC

Project: Ross Ranch 22 Battery

Sample ID: LCS-60955	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60955	RunNo: 79401								
Prep Date: 6/27/2021	Analysis Date: 6/28/2021	SeqNo: 2791435	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.5		5.000		70.4	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC

Project: Ross Ranch 22 Battery

Sample ID: mb-60893	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 60893	RunNo: 79456								
Prep Date: 6/24/2021	Analysis Date: 6/29/2021	SeqNo: 2792789			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.0	70	130			

Sample ID: ics-60893	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 60893	RunNo: 79456								
Prep Date: 6/24/2021	Analysis Date: 6/29/2021	SeqNo: 2792790			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		112	70	130			

Sample ID: mb-60933	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792813			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.1	70	130			

Sample ID: ics-60933	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792814			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.6	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: 2106b90-006ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-6 Bottom	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792816			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	24.13	0	108	61.3	114			
Surr: BFB	1200		965.3		119	70	130			

Sample ID: 2106b90-006amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-6 Bottom	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792817			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	43	5.0	24.78	0	174	61.3	114	49.5	20	RS
Surr: BFB	1400		991.1		137	70	130	0	0	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC

Project: Ross Ranch 22 Battery

Sample ID: mb-60919	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 60919		RunNo: 79458							
Prep Date: 6/24/2021	Analysis Date: 6/29/2021		SeqNo: 2793254		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.1	70	130			

Sample ID: ics-60919	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 60919		RunNo: 79458							
Prep Date: 6/24/2021	Analysis Date: 6/29/2021		SeqNo: 2793256		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1000		1000		104	70	130			

Sample ID: mb-60946	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 60946		RunNo: 79481							
Prep Date: 6/26/2021	Analysis Date: 6/30/2021		SeqNo: 2794481		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		103	70	130			

Sample ID: ics-60946	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 60946		RunNo: 79481							
Prep Date: 6/26/2021	Analysis Date: 6/30/2021		SeqNo: 2794482		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		114	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC

Project: Ross Ranch 22 Battery

Sample ID: mb-60893	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60893	RunNo: 79456								
Prep Date: 6/24/2021	Analysis Date: 6/29/2021	SeqNo: 2792832			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-60893	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60893	RunNo: 79456								
Prep Date: 6/24/2021	Analysis Date: 6/29/2021	SeqNo: 2792833			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: mb-60933	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792854			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: LCS-60933	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792856			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.3	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: 2106b90-007ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-7 Bottom	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792859			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9690	0	96.9	80	120			
Toluene	0.97	0.048	0.9690	0	100	80	120			
Ethylbenzene	0.97	0.048	0.9690	0.01183	98.9	80	120			
Xylenes, Total	2.9	0.097	2.907	0	100	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC

Project: Ross Ranch 22 Battery

Sample ID: 2106b90-007ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-7 Bottom	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792859	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		0.9690		104	70	130			

Sample ID: 2106b90-007amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-7 Bottom	Batch ID: 60933	RunNo: 79456								
Prep Date: 6/25/2021	Analysis Date: 6/30/2021	SeqNo: 2792860	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	0.9891	0	96.0	80	120	1.11	20	
Toluene	0.98	0.049	0.9891	0	99.4	80	120	1.39	20	
Ethylbenzene	0.99	0.049	0.9891	0.01183	99.2	80	120	2.39	20	
Xylenes, Total	3.0	0.099	2.967	0	100	80	120	1.93	20	
Surr: 4-Bromofluorobenzene	1.0		0.9891		103	70	130	0	0	

Sample ID: mb-60919	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60919	RunNo: 79458								
Prep Date: 6/24/2021	Analysis Date: 6/29/2021	SeqNo: 2793306	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	70	130			

Sample ID: lcs-60919	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60919	RunNo: 79458								
Prep Date: 6/24/2021	Analysis Date: 6/29/2021	SeqNo: 2793308	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.2	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Sample ID: mb-60946	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60946	RunNo: 79481								
Prep Date: 6/26/2021	Analysis Date: 6/30/2021	SeqNo: 2794525	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B90

01-Jul-21

Client: Pima Environmental Services LLC

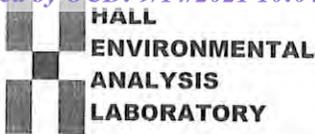
Project: Ross Ranch 22 Battery

Sample ID: mb-60946	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60946	RunNo: 79481								
Prep Date: 6/26/2021	Analysis Date: 6/30/2021	SeqNo: 2794525	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: LCS-60946	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60946	RunNo: 79481								
Prep Date: 6/26/2021	Analysis Date: 6/30/2021	SeqNo: 2794526	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Pima Environmental Services LLC
Work Order Number: 2106B90
RcptNo: 1

Received By: Juan Rojas 6/23/2021 7:30:00 AM
Completed By: Desiree Dominguez 6/23/2021 8:33:34 AM
Reviewed By: IO 6/23/21

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C? Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: RLC 6/23/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.3, Good, [], [], [], []

Chain-of-Custody Record

Client: *Pima Environmental*

Mailing Address: *1601 N Turner, Ste 500
Holbs, NM, 88240*

Phone #: *580-748-1613*

email or Fax#: *tom@pimadil.com*

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other
 EDD (Type) _____

Turn-Around Time: *4 Day*

Standard Rush

Project Name: *Ross Ranch 22 Battery*

Project #: *6-10*

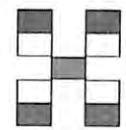
Project Manager: *Chris Jones*

Sampler: *Gio Gomez*

On Ice: Yes No

of Coolers: *1*

Cooler Temp (including CF): *5.4-0.1=5.3 (°C)*



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
<i>6/21/21</i>	<i>1430</i>		<i>S-1 Bottom</i>	<i>Glass</i>	<i>Fce</i>	<i>2106B90</i> <i>-001</i>	<i>X</i>	<i>X</i>									<i>X</i>
			<i>S-2 Bottom</i>			<i>-002</i>											
			<i>S-3 Bottom</i>			<i>-003</i>											
	<i>1435</i>		<i>S-4 Bottom</i>			<i>-004</i>											
			<i>S-5 Bottom</i>			<i>-005</i>											
			<i>S-6 Bottom</i>			<i>-006</i>											
	<i>1440</i>		<i>S-7 Bottom</i>			<i>-007</i>											
			<i>S-8 Bottom</i>			<i>-008</i>											
			<i>S-9 Bottom</i>			<i>-009</i>											
	<i>1445</i>		<i>S-10 Bottom</i>			<i>-010</i>											
			<i>S-11 Bottom</i>			<i>-011</i>											
			<i>S-12 Bottom</i>			<i>-012</i>											

Date: *6/22/21* Time: _____ Relinquished by: _____ Received by: *Alumina* Via: _____ Date: *6/22/21* Time: *9:30*

Date: *6/22/21* Time: *1900* Relinquished by: *Alumina* Received by: *Alumina* Via: _____ Date: *6/23/21* Time: *7:30*

Remarks: _____

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 02, 2021

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROSS RANCH 22 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/30/21 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 1 (H212346-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.92	95.9	2.00	2.70	
Toluene*	<0.050	0.050	08/31/2021	ND	1.91	95.6	2.00	4.84	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.87	93.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.67	94.6	6.00	2.96	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 2 (H212346-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 3 (H212346-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 4 (H212346-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	221	110	200	5.80	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 5 (H212346-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	196	98.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 6 (H212346-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	196	98.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 7 (H212346-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	196	98.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 8 (H212346-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	196	98.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 9 (H212346-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	196	98.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 10 (H212346-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	196	98.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 11 (H212346-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	196	98.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/30/2021	Sampling Date:	08/30/2021
Reported:	09/02/2021	Sampling Type:	Soil
Project Name:	ROSS RANCH 22 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	6-10	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY CO NM		

Sample ID: S - 12 (H212346-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2021	ND	1.78	88.8	2.00	5.83	
Toluene*	<0.050	0.050	08/31/2021	ND	1.93	96.7	2.00	5.77	
Ethylbenzene*	<0.050	0.050	08/31/2021	ND	1.88	94.1	2.00	5.84	
Total Xylenes*	<0.150	0.150	08/31/2021	ND	5.68	94.6	6.00	5.36	
Total BTEX	<0.300	0.300	08/31/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/31/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/31/2021	ND	196	98.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/31/2021	ND	220	110	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/31/2021	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services
Project Manager: Chris Jones
Address: 1601 N Turner St., Suite 500
City: Hobbs State: NM Zip: 88240
Phone #: 575-964-7740 Fax #:
Project #: 6-10 Project Owner: SPUR
Project Name: Ross Ranch 22 Battery
Project Location: Eddy
Sampler Name: G10
BILL TO ANALYSIS REQUEST
Lab I.D. Sample I.D. MATRIX PRESERV. SAMPLING
1 5-1 X SOIL X 8/30/21 0800
2 5-2
3 5-3
4 5-4
5 5-5
6 5-6
7 5-7
8 5-8
9 5-9
10 5-10
TPX BTEX Chlorides

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Relinquished By: [Signature] Date: 8/30/21 Time: 3:40 PM
Received By: [Signature] Date:
Sample Condition: Cool Intact Yes No
CHECKED BY: (Initials) J.O.
REMARKS: Bill TO SPUR Brought straight to lab from field.

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services
Project Manager: Chris Jones
Address: 1601 N Turner St., Suite 500
City: Hobbs State: NM Zip: 88240
Phone #: 575-964-7740 Fax #:
Project #: 6-10 Project Owner: SPUR
Project Name: Ross Ranch 22 Battery
Project Location: Eddy
Sampler Name: G10
BILL TO ANALYSIS REQUEST
Lab I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS MATRIX PRESERV. SAMPLING
H212346 11 S-11 X WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME TPX BTEX Chlorides
12 S-12 X WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME X X X

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Relinquished By: [Signature] Date: 8/30/21 Time: 3:42pm
Received By:
Phone Result: [] Yes [] No Add'l Phone #:
Fax Result: [] Yes [] No Add'l Fax #:
REMARKS: Bill TO SPUR Brought straight to lab from field.
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 24.2c #113
Sample Condition Cool Intact [] Yes [] No [] Yes [] No
CHECKED BY: (Initials) TO

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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

District IV
 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 48398

CONDITIONS

Operator: Pima Environmental Services, LLC 1601 N. Turner Hobbs, NM 88240	OGRID: 329999
	Action Number: 48398
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/7/2021