

### Volume Calculation for Spill

The amount of volume spill was determined from the average of daily production. All of the oil (35 bbls) was absorbed by the soil, Spilled saltwater amount was 80 bbls, with 60 bbls of salt water recovered.

Table 7: Spill Calculations

				***** LIQUID SPILLS - VOLUME CALCULATIONS *****							
Location of Spill: <u>Fair 17 Fed. #003</u>								Site Soil Type: <u>Caliche</u>			
Daily Production: <u>52 BBLs Oil 122 BBLs Water</u>											
Total Area Calculations											
Total Surface Area		Wet Soil Depth (In)		Oil (%)		H2O (%)		Soil Class.		Porosity%	
Area 1	240	18	30	70	GM	22					
Area 2	5,110	6	30	70	GM	22					
Blank	0	0	0	0	0	0					
<b><u>Saturated Soil Volume calculations:</u></b>			<b><u>H2O</u></b>		<b><u>OIL</u></b>						
Area 1	360.00	9.87	4.23								
Area 2	2,555	70.08	30.03								
Blank	0.00	0.00	0.00								
Total Solid/ Liquid Volume:											
<b><u>Estimated Volumes Spilled</u></b>			<b><u>H2O</u></b>		<b><u>OIL</u></b>						
			79.95		34.26						
Liquid Recovered:			60		0						
Total Spill Liquid:			19.95		34.26						

Republic Backhoe Service, LLC  
47 E. Dickens  
Lovington, NM 88260  
(575) 631-0131

November 15, 2023  
District I  
1625 N. French Drive  
Hobbs, NM 88240

Subject: Site Assessment/Soil Remediation Work Plan/Closure Report for Fair 17 Fed. #003, Eddy County, New Mexico.

On behalf of Fair Oil LTD, Republic Backhoe Service, LLC. (RBS) has prepared this Release Notification, Site Assessment / Work Plan, and Closure Report associated with Fair 17 Fed. #003. The site is located in NWNW Section 17, Township 17 South, Range 31 East, Eddy County, New Mexico. Attachment #1 and #2 illustrates the vicinity and location of the site. Eolian and Piedmont deposits from the Holocene to the Pleistocene age make up the subsurface of the area (mrdata.usgs.gov, Table 6). The site is not within a 100-year floodplain (FEMA FIRMette Map, Attachment #4). The surface is federally owned land.

Table 1. below summarizes information regarding the release:

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) 35	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 80	Volume Recovered (bbls) 60
	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		
The cable on the rod rotator came loose and snagged onto the stainless steel line that runs to the high pressure shut down kill switch. The stainless steel line was broken out of the pumping tee.		

Regulatory Guidelines

New Mexico Oil Conversation Division (NMOCD) regulates surface impacts from unauthorized releases of crude oil, gases, produced water, condensate or other oil field waste in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). In accordance with NMAC 19.15.29 the Fair 17 Federal #003 is assessed by the following guidelines: Table 2 below.

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?	None (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

## Groundwater Depth

A search of a groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average depth to groundwater within 7,000 meters (Attachment #3). The search was inconclusive. No ground water is reported in section 17.

## Wellhead Protection Area

A search of a groundwater database maintained by NMOSE identified registered wells within 7,000 meters of the release at the site. The nearest reported depth to water is in section 31 at 96 ft. Bgs. (Attachment #3)

## Closure Criteria

According to ground water depth findings and distance of nearest wells, the following table explains the NMOCD permissible levels for the site: **Table 3** below.

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

\*Or other test methods approved by the division.

\*\*Numerical limits or natural background level, whichever is greater.

\*\*\*This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]

## Site Assessment/Delineation

On January 7, 2023, RBS performed field sampling on Areas 1 and 2. In Area 1, nearest the point of release, chlorides were above permissible levels at 1 foot. In Area 2, chlorides varied from above and below permissible range at 6 inches. High concentrations decreased significantly at 6" intervals. See **Table 4**.

On February 7, 2023, RBS went to location to perform closure sampling. Laboratory results concluded that TPH/Benzene/BTEX/Chloride concentrations met permissible levels at 2 ½ ft. Bgs. in Area 1. In Area 2 permissible levels were met at 1 ½ ft. Bgs. Soil samples collected in both Areas 1 and 2 are below NMOCD permissible levels for closure criteria of the upper four feet of soils impacted by a release. See **Table 5**.

Table 4: Field Sample Results

Sample	Depth	Chlorides (PPM)	GPS
1	1'	596	32.839162, -103.899704
1	1.5'	900	
2	1'	2,736	32.839131, -103.899711
2	1.5'	1,872	
3	6"	1,292	32.839090, -103.899714
3	1'	404	
3	1.5'	124	
4	6"	2,504	32.839052, -103.899720
4	1'	148	
4	1.5'	124	
5	6"	6,084	32.839052, -103.899777
5	1'	900	
6	6"	8,900	32.839091, -103.899770
6	1'	364	
7	6"	1,684	32.839139, -103.899760
7	1'	448	
8	6"	6,084	32.839175, -103.899751
8	1'	364	
9	6"	364	32.839179, -103.899810
9	1'	124	
10	6"	708	32.839141, -103.899815
10	1'	200	
11	6"	900	32.839096, -103.899822
11	1'	324	
12	6"	6,084	32.839052, -103.899830
12	1'	544	
13	6"	4,148	32.838999, -103.899904
13	1'	292	
14	6"	1,872	32.839048, -103.899891
14	1'	124	
15	6"	2,736	32.839100, -103.899885
15	1'	200	
16	6"	4,148	32.839145, -103.899875
16	1'	596	
17	6"	1,292	32.839142, -103.899942
17	1'	148	
18	6"	4,148	32.839129, -103.899989
18	1'	448	
19	6"	4,148	32.839084, -103.899997
19	1'	292	
20	6"	8,240	32.839049, -103.900004
20	1'	364	
21	6"	200	32.839003, -103.900010
21	1'	148	

Table 5A: Closure Samples

Sample	Depth(ft)	Chlorides	BTEX	TPH	GPS
A	1 ½	32	<0.300	<10.0	32.838987, -103.899906
B	1 ½	128	<0.300	<10.0	32.838993, -103.899937
C	1 ½	64	<0.300	<10.0	32.838997, -103.899967
D	1 ½	288	<0.300	<10.0	32.839002, -103.899999
E	1 ½	32	<0.300	<10.0	32.839007, -103.900031
F	1 ½	64	<0.300	<10.0	32.839012, -103.900062
G	1 ½	64	<0.300	<10.0	32.839063, -103.900053
H	1 ½	16	<0.300	<10.0	32.839057, -103.900024
I	1 ½	32	<0.300	<10.0	32.839052, -103.899992
J	1 ½	32	<0.300	<10.0	32.839047, -103.899959
K	1 ½	16	<0.300	<10.0	32.839043, -103.899928
L	1 ½	64	<0.300	<10.0	32.839039, -103.899895
M	1 ½	160	<0.300	<10.0	32.839034, -103.899863
N	1 ½	48	<0.300	<10.0	32.839028, -103.899830
O	1 ½	112	<0.300	<10.0	32.839024, -103.899799
P	1 ½	112	<0.300	<10.0	32.839021, -103.899768
Q	1 ½	96	<0.300	<10.0	32.839015, -103.899741
R	1 ½	48	<0.300	<10.0	32.839072, -103.899730
S	1 ½	64	<0.300	<10.0	32.839076, -103.899758
T	1 ½	160	<0.300	<10.0	32.839081, -103.899788
U	1 ½	80	<0.300	<10.0	32.839086, -103.899819
V	1 ½	32	<0.300	<10.0	32.839091, -103.899854
W	1 ½	48	<0.300	<10.0	32.839097, -103.899885
X	1 ½	32	<0.300	<10.0	32.839102, -103.899917
Y	1 ½	48	<0.300	<10.0	32.839104, -103.899948
Z	1 ½	16	<0.300	<10.0	32.839106, -103.899979
AA	1 ½	32	<0.300	<10.0	32.839111, -103.900012
BB	1 ½	32	<0.300	<10.0	32.839116, -103.900045
CC	1 ½	16	<0.300	<10.0	32.839171, -103.900033
DD	1 ½	32	<0.300	<10.0	32.839168, -103.900003
EE	1 ½	32	<0.300	<10.0	32.839161, -103.899970
FF	1 ½	<16.0	<0.300	<10.0	32.839157, -103.899937
GG	1 ½	<16.0	<0.300	<10.0	32.839151, -103.899907
HH	1 ½	32	<0.300	<10.0	32.839147, -103.899874
II	1 ½	<16.0	<0.300	<10.0	32.839143, -103.899843
JJ	1 ½	<16.0	<0.300	<10.0	32.839138, -103.899810
KK	1 ½	32	<0.300	<10.0	32.839133, -103.899777
LL	1 ½	<16.0	<0.300	<10.0	32.839128, -103.899745
MM	2 ½	112	<0.300	<10.0	32.839124, -103.899719
NN	1 ½	32	<0.300	<10.0	32.839069, -103.899703
OO	2 ½	32	<0.300	<10.0	32.839118, -103.899689
PP	2 ½	48	<0.300	<10.0	32.839162, -103.899689
QQ	1 ½	48	<0.300	<10.0	32.839182, -103.899671
RR	1 ½	48	<0.300	<10.0	32.839180, -103.899734
SS	1 ½	240	<0.300	<10.0	32.839185, -103.899767
TT	1 ½	48	<0.300	<10.0	32.839138, -103.900068
UU	1 ½	16	<0.300	<10.0	32.839034, -103.900085

Table 5B: Closure Sample (Perimeter)

Sample	Depth	Chlorides	BTEX	TPH	GPS
1	4"	352	<0.300	<10.0	32.839208, -103.900058
2	4"	272	<0.300	<10.0	32.839149, -103.900077
3	4"	80	<0.300	<10.0	32.839097, -103.900086
4	4"	80	<0.300	<10.0	32.839043, -103.900096
5	4"	80	<0.300	<10.0	32.838989, -103.900104
6	4"	288	<0.300	<10.0	32.838976, -103.900032
7	4"	32.0	<0.300	<10.0	32.838968, -103.899972
8	4"	160	<0.300	<10.0	32.838957, -103.899894
9	4"	192	<0.300	<10.0	32.839005, -103.899882
10	4"	32	<0.300	<10.0	32.838994, -103.899808
11	4"	<16.0	<0.300	<10.0	32.838985, -103.899732
12	4"	32.0	<0.300	<10.0	32.839036, -103.899718
13	4"	16.0	<0.300	<10.0	32.839034, -103.899691
14	4"	<16.0	<0.300	<10.0	32.839088, -103.899679
15	4"	224	<0.300	<10.0	32.839089, -103.899663
16	4"	320	<0.300	<10.0	32.839120, -103.899656
17	4"	656	<0.300	<10.0	32.839139, -103.899702
18	4"	16.0	<0.300	<10.0	32.839143, -103.899654
19	4"	48.0	<0.300	<10.0	32.839188, -103.899643
20	4"	32.0	<0.300	<10.0	32.839200, -103.899703
21	4"	<16.0	<0.300	<10.0	32.839212, -103.899780
22	4"	240	<0.300	<10.0	32.839168, -103.899788
23	4"	<16.0	<0.300	<10.0	32.839179, -103.899852
24	4"	<16.0	<0.300	<10.0	32.839188, -103.899920
25	4"	272	<0.300	<10.0	32.839199, -103.899995

Table 6: Subsurface Geology

Scientific data near [32.83945,-103.89920]

Search area extends approximately 1.0 km east-west and 1.0 km north-south.

Narrower

Wider

JSON

XML

Geographic context	
Counties, states, countries, continents, or oceans	
Eddy	county
New Mexico	state
United States	country
North America	continent
Land	continent
Map quadrangles, from USGS or Canadian NTS	
Loco Hills	quadrangle 1:24,000 scale
Hobbs	quadrangle 1:100,000 scale
Hobbs	quadrangle 1:250,000 scale
Watershed boundaries (USGS hydrologic units)	
Upper Pecos-Black	hydrologic unit
Upper Pecos	hydrologic accounting unit
Upper Pecos	hydrologic subregion
Rio Grande	hydrologic region

Geology of US states		
Digital geologic maps of the US states with consistent lithology, age, GIS database structure, and format		
<div>Database Home</div>		
Unit	State	Lithology
Eolian and piedmont deposits	NM	Holocene to middle Pleistocene

Table 7: Spill Calculations

***** LIQUID SPILLS - VOLUME CALCULATIONS *****								
Location of Spill: <u>Fair 17 Fed. #003</u>								
Site Soil Type: <u>Caliche</u>								
Daily Production: <u>52 BBLs Oil</u> <u>122 BBLs Water</u>								
Total Area Calculations								
Total Surface Area	Wet Soil Depth (In)		Oil (%)	H2O (%)	Soil Class.	Porosity%		
Area 1	240	18	30	70	GM	22		
Area 2	5,110	6	30	70	GM	22		
Blank	0	0	0	0	0	0		
Saturated Soil Volume calculations:								
			H2O	OIL				
Area 1	360.00		9.87	4.23				
Area 2	2,555		70.08	30.03				
Blank	0.00		0.00	0.00				
Total Solid/ Liquid Volume:								
Estimated Volumes Spilled			H2O	OIL				
			79.95	34.26				
Liquid Recovered:			60	0				
Total Spill Liquid:			19.95	34.26				

## Excavation Logs:

Site Name: Fair 17 Date: 1/7/23  
Fed # 3

Soil Profile

Description	Area 1	ft. deep
Surface: Caliche Pad		1
		6"
		1
Caliche		8"
		1
Top Soil		1'



### Soil Profile

ft. bps

[illegible]

*[Signature]*

**Remediation/Closure**

Commencement Date: November 22, 2022

Completion Date: October 12, 2023

The following remedial activities are in accordance with 19.15.29.12 NMAC, remediation of releases on oil well pads. The remedial activities took place on the Fair 17 Fed. #003 pad (See Attachment #5). The release poses no threat to ground water.

On November 22, 2022, Republic Backhoe Service LLC responded to a release at Fair 17 Federal #003. The release occurred overnight due to the cable on the rod rotator becoming loose and snagging onto the stainless-steel line that runs to the high pressure shut down kill switch. The stainless-steel line was broken out of the pumping tree. This resulted in the release of approximately 35 barrels of oil and 80 barrels of produced water. Estimates are based on current production (See Table 7). The release was contained on the pad.

A vacuum truck recovered 60 barrels of standing produced water. After standing fluids were vacuumed, a backhoe began removing contaminated caliche from the pad. A surface area of approximately 5,350 sq. feet was affected. A depth of six inches was removed from the pad and all visible oil and stained caliche was hauled to an NMOCD approved disposal site. Due to the compaction of the caliche pad, oil absorption was minimal.

RBS removed and hauled 184 yards of contaminated material to disposal. Area 1 was excavated to a depth of 1 ft. and Area 2 was excavated to a depth of 6 inches. The area was then field sampled for chlorides on January 7, 2023 (See Attachment #6). Results from field testing were above NMOCD permissible levels in several areas, and it was determined that the vertical extent of the release was not reached. It was concluded from field sampling that an additional 1 ft. would be excavated in Area 2, and an additional 1 ½ ft would be excavated in Area 1.

An additional 550 yards of contaminated material was excavated from the pad and hauled to disposal. Closure sampling was then scheduled for February 7, 2023. Notice was emailed to the NMOCD Environmental Bureau on February 1, 2023 (See Attachment #7). Composite samples A through UU were collected and delivered to Cardinal Labs in Hobbs, NM. After receiving analytical results, it was determined that closure criteria had been met for both Area 1 and Area 2 (See Attachment #8).

Upon completion, Area 1 was excavated to a depth of 2 ½ ft. with a surface area measuring 445 sq. feet. Area 2 was excavated to a depth of 1 ½ ft. with a surface area of 8,650 sq. feet (See Attachment #9). A total of 734 yards of contaminated material was hauled to an NMOCD approved disposal site. The area was backfilled with 820 yards of caliche hauled from the Republic yard and BLM caliche pits. On February 18, backfilling was completed.

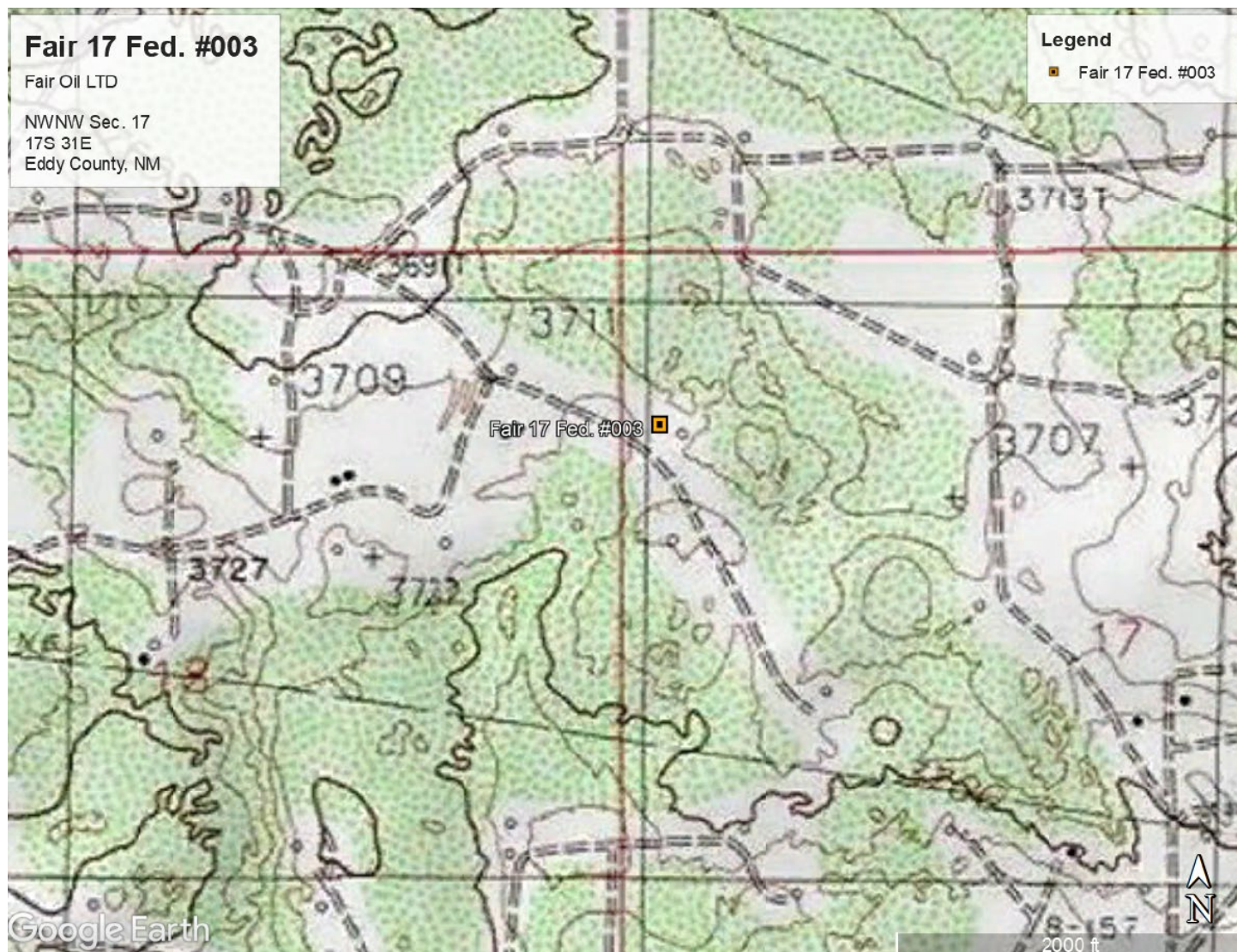
Additional perimeter sampling was later requested. Notification of sampling was sent to the NMOCD Environmental Bureau on October 9, 2023 (See Attachment #10). A total of 25 perimeter samples were collected on October 12, 2023 (See Attachment #11). Samples 1 through 16 and 18 through 25 tested within permissible criteria (See Table 5B). Sample 17, at the well head, tested slightly above permissible levels at 656 ppm. This area was previously backfilled after remediation. The bottom hole sample tested within permissible levels prior to backfill. The current surface contamination is a result of daily production activities. The area poses no threat to ground water. Republic Backhoe Service LLC. is requesting closure of the release.

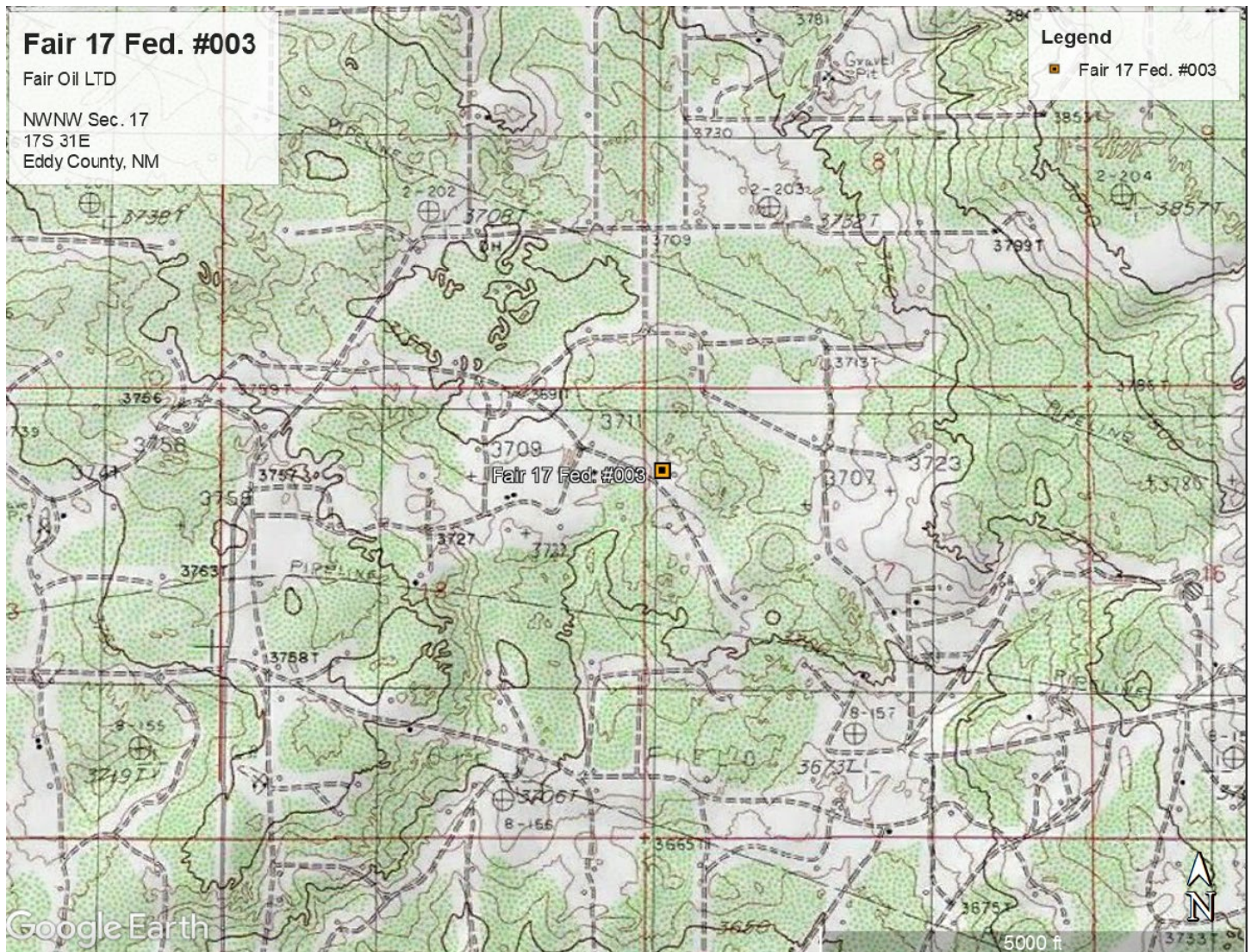
Eric Garcia

Republic Backhoe Service LLC.



Attachment #1 & 2: Vicinity Maps





Attachment #3: Depth to Ground Water Report

# 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	Code	POD Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">RA 13235 POD1</a>		RA	ED	1	1	1	21	17S	31E	604631	3632537	2202	102		
<a href="#">RA 13213 POD1</a>		RA	CH	2	2	1	24	17S	30E	600489	3632575	2861	101		
<a href="#">RA 13106 POD2</a>		RA	ED	4	2	3	01	17S	30E	600406	3636426	3541			
<a href="#">RA 13106 POD3</a>		RA	ED	4	2	3	01	17S	30E	600381	3636421	3555			
<a href="#">RA 13212 POD1</a>		RA	CH	1	3	4	11	17S	30E	598984	3634474	4020			
<a href="#">L 14207 POD3</a>		L	LE	2	3	3	31	16S	37E	606117	3636977	4334	240	96	144
<a href="#">RA 11590 POD4</a>		RA	ED	4	1	1	32	17S	31E	603308	3629253	4748	55		
<a href="#">RA 11590 POD3</a>		RA	ED	3	1	2	32	17S	31E	603932	3629260	4826	60		
<a href="#">RA 11590 POD1</a>		RA	ED	2	1	3	32	17S	31E	603315	3628545	5455	158		

Average Depth to Water: 96 feet

Minimum Depth: 96 feet

Maximum Depth: 96 feet

Record Count: 9

UTM NAD83 Radius Search (in meters):

Easting (X): 602975.667

Northing (Y): 3633990.883

Radius: 7000

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.

3/10/23 2:14 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Attachment #4: National Flood Hazard Layer Firmette

National Flood Hazard Layer FIRMette



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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		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
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

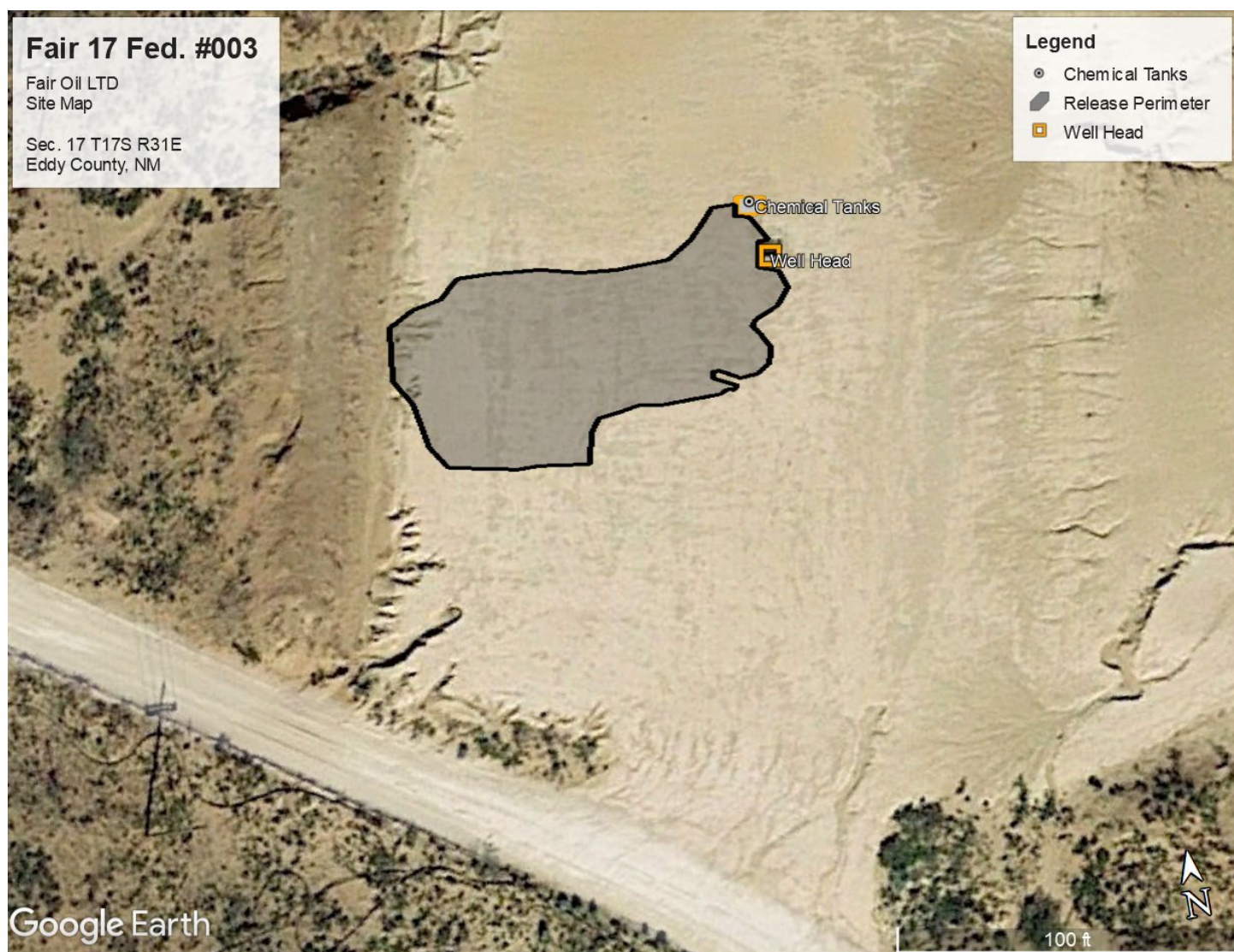
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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.

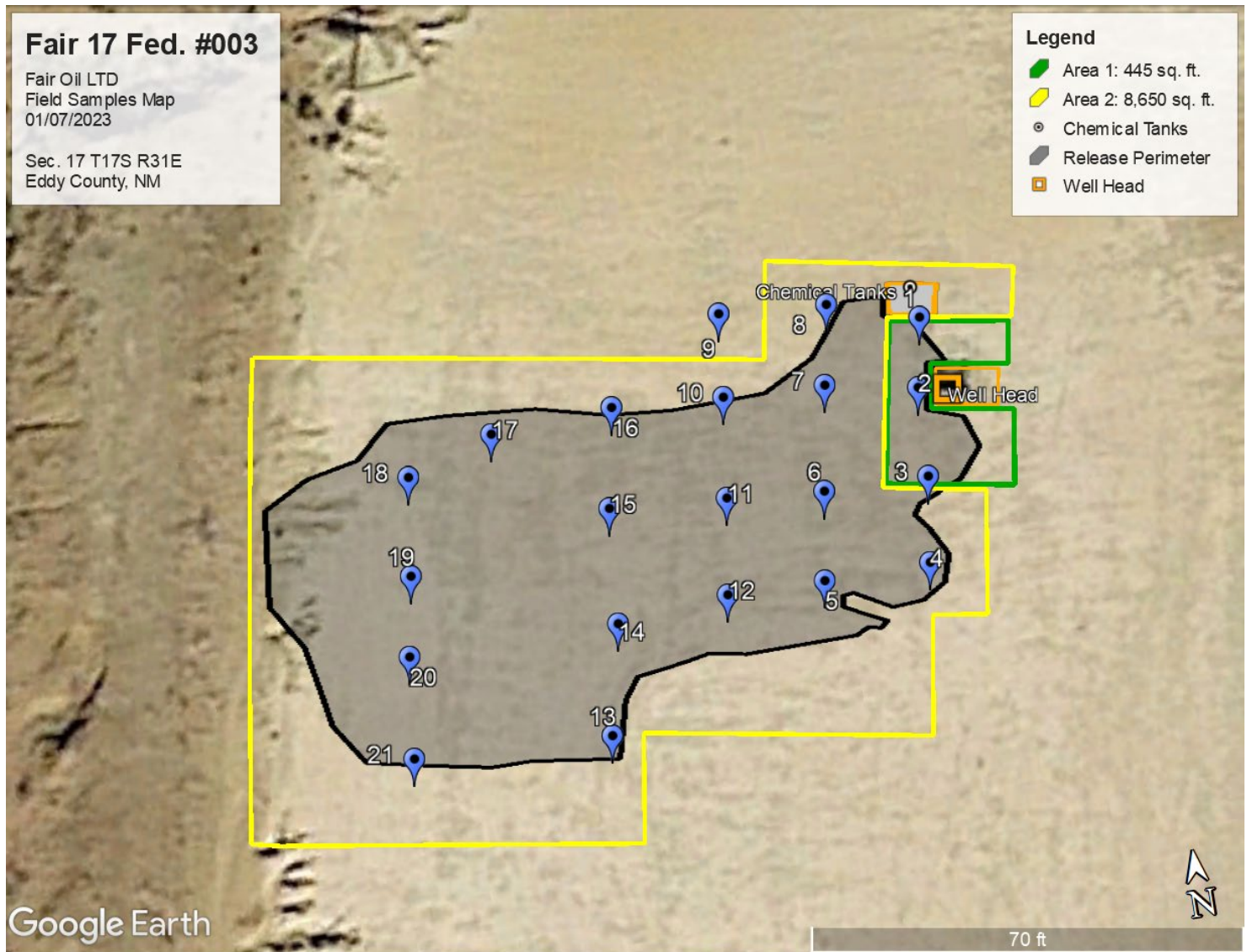
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/3/2023 at 3:50 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new 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.

Attachment #5: Site Map



Attachment #6: Field Samples Map



**Attachment #7: Notice of Closure Sampling**



Nichole Calahan <republiconecalls@gmail.com>

**Notice of Sampling**

2 messages

**Nichole Calahan** <republiconecalls@gmail.com>  
To: OCD.Enviro@emnrd.nm.gov, Steve.talley@fairoil.com

Wed, Feb 1, 2023 at 11:02 AM

Good morning,

In regard to incident # nAPP2234659605, soil sampling has been scheduled for 02/07/2023. It is our intent to use the samples for closure. Republic Backhoe Service, LLC. will be collecting samples on behalf of Fair Oil LTD at Fair 17 Fed. #003.

Thank you.

**Nichole Calahan**

**Republic Backhoe Service, LLC.**

**47 E. Dickens Rd**

**Lovington, NM 88260**

**(575) 602-4251**



---

**Enviro, OCD, EMNRD** <OCD.Enviro@emnrd.nm.gov>

Wed, Feb 1, 2023 at 11:09 AM

To: Nichole Calahan <republiconecalls@gmail.com>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Hamlet, Robert, EMNRD" <Robert.Hamlet@emnrd.nm.gov>

Nichole,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

**Jocelyn Harimon** • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

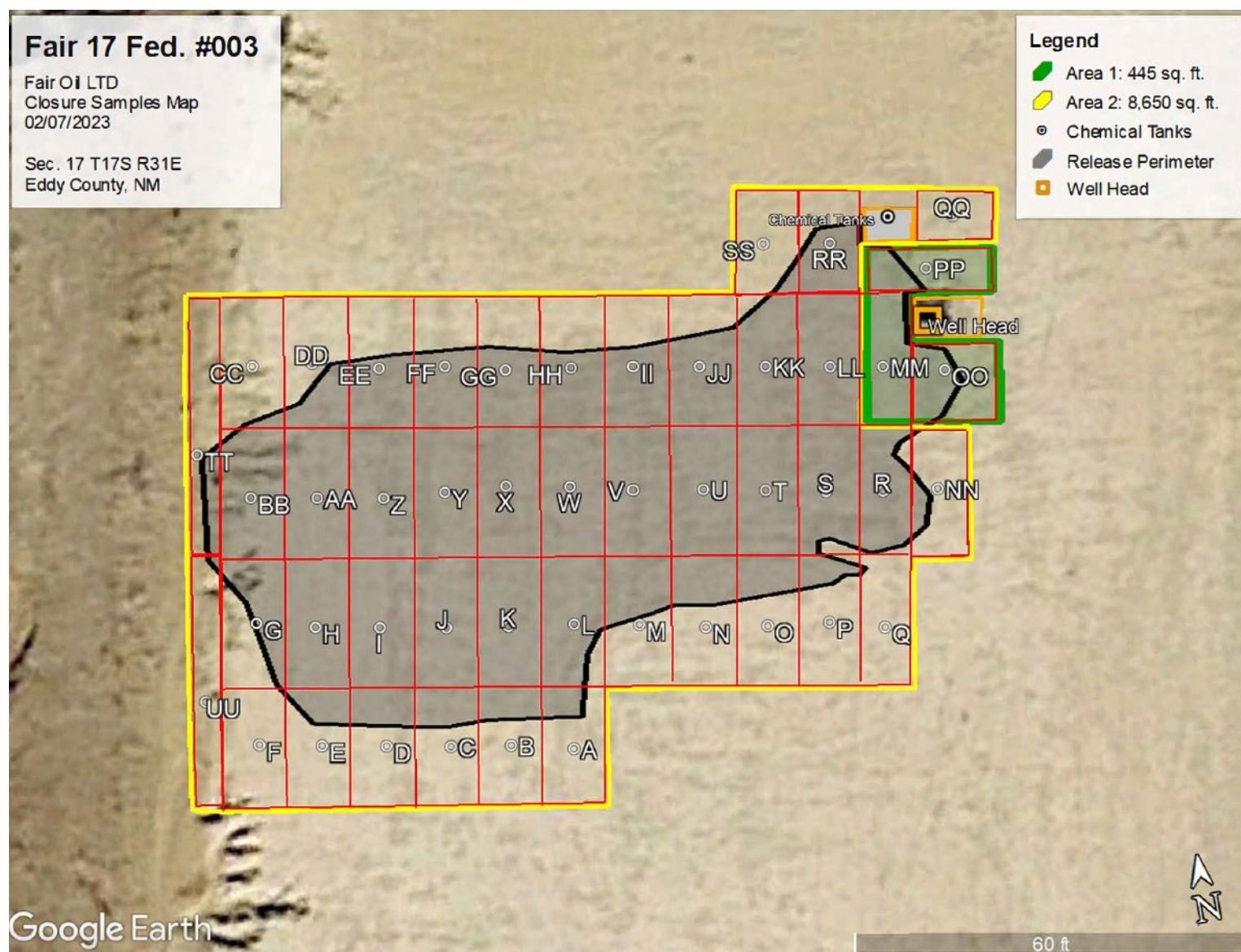
1220 South St. Francis Drive | Santa Fe, NM 87505

(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)

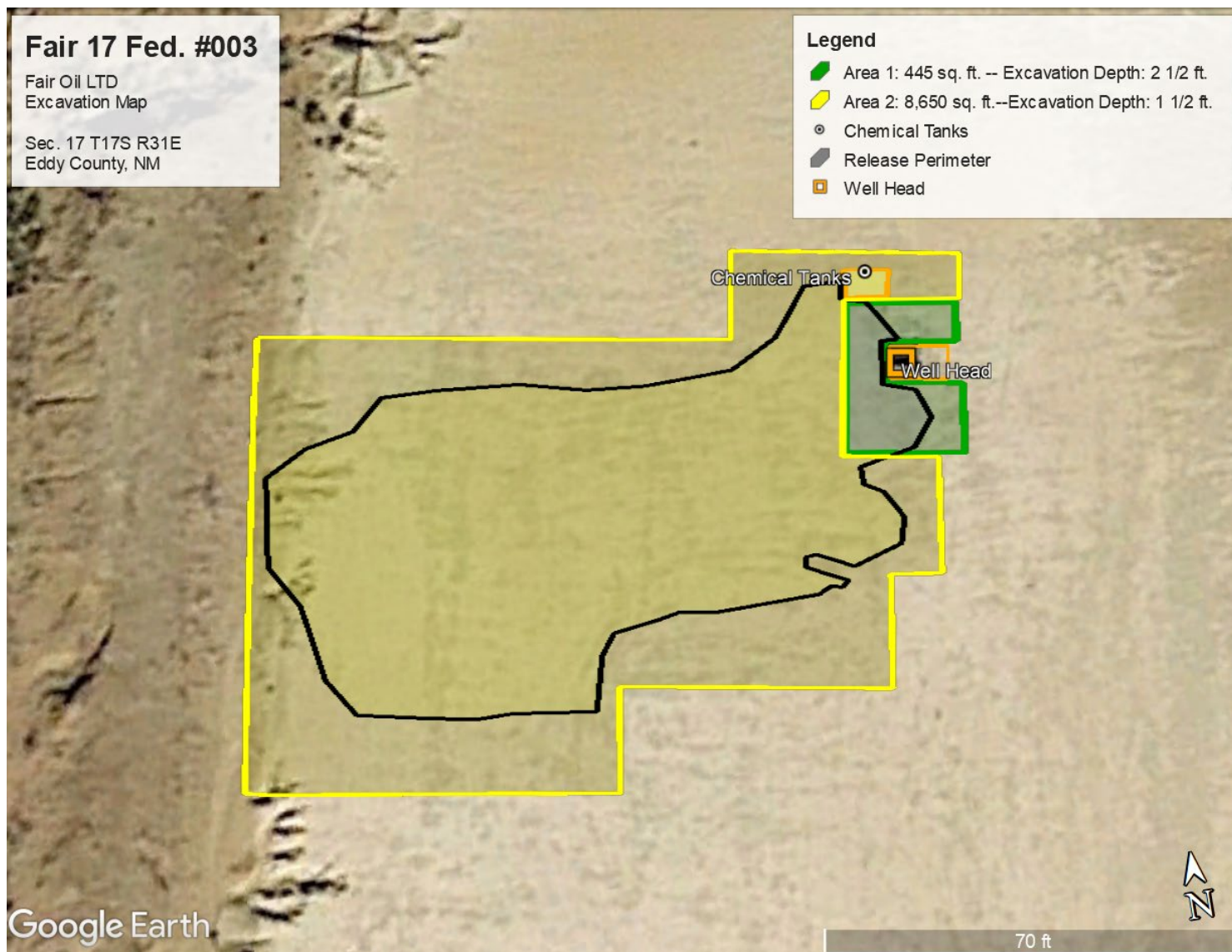
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



## Attachment #8: Closure Samples Map



Attachment #9: Excavation Map



Attachment #10: Notice of Closure Sampling

From: Nichole Calahan <[republiconecalls@gmail.com](mailto:republiconecalls@gmail.com)>  
Sent: Monday, October 9, 2023 2:56 PM  
To: Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Steve Talley <[Steve.talley@fairoil.com](mailto:Steve.talley@fairoil.com)>  
Subject: [EXTERNAL] Notice of Sampling

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

In regard to incident # [nAPP2234659605](#), soil sampling has been scheduled for October 12, 2023. It is our intent to use the samples for closure. Republic Backhoe Service, LLC, will be collecting samples on behalf of Fair Oil LTD at Fair 17 Fed. #003.

Thank you.

Nichole Calahan

Republic Backhoe Service, LLC.  
47 E. Dickens Rd  
Lovington, NM 88260  
(575) 602-4251



Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
to Steve, Robert., Michael, me ▾

Tue, Oct 10, 10:13AM ☆ ↶ ⋮

Good morning Nichole,

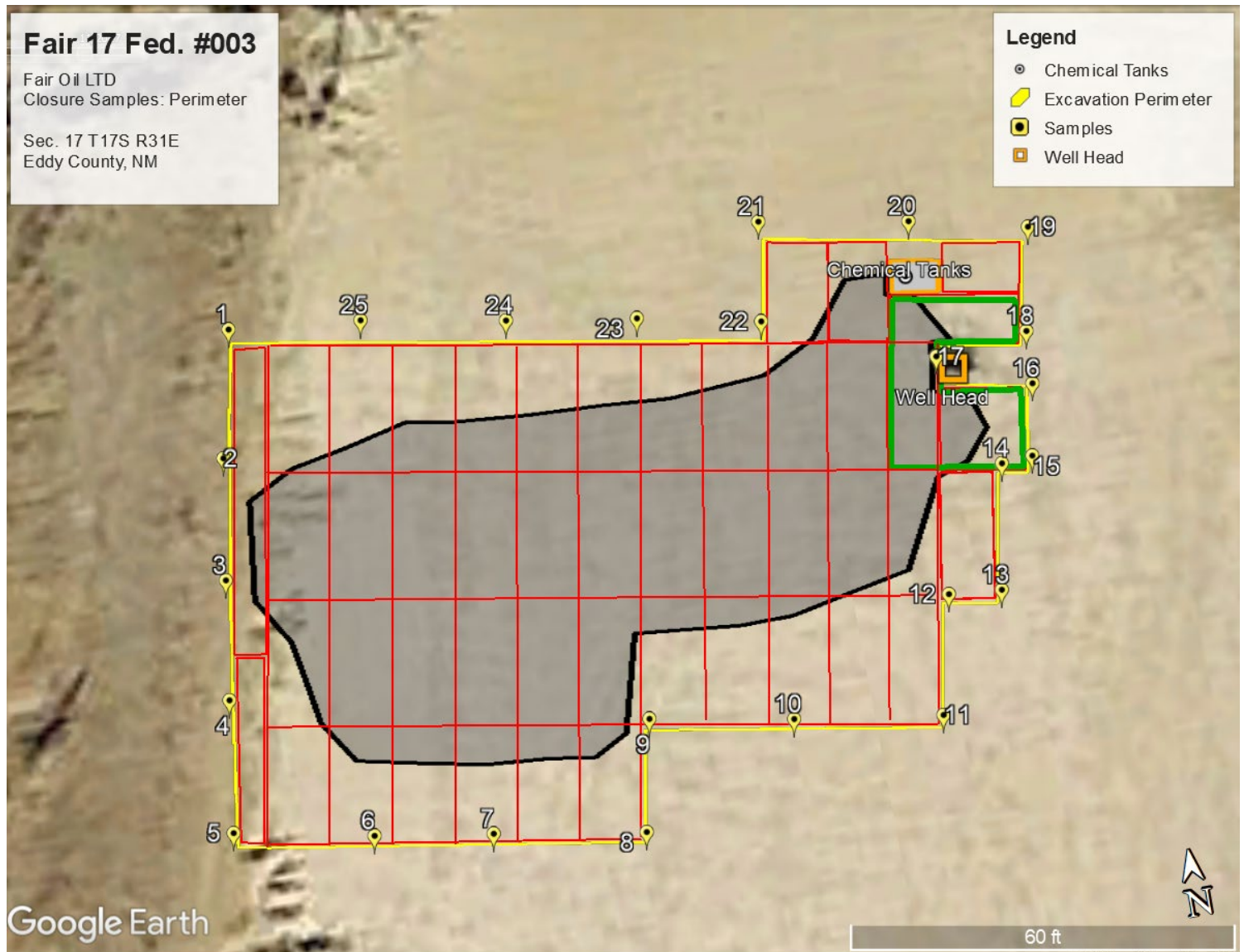
The OCD has received your notification. Please include the anticipated time sampling will commence in future emails. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520|[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

Attachment #11: Closure Samples (Perimeter)



Attachment #12: Photos











**Attachment # 11: Laboratory Analysis**



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February 15, 2023

ERIC GARCIA

REPUBLIC BACKHOE SERVICES

47 E. DICKENS RD

LOVINGTON, NM 88260

RE: FAIR 17 FED. #003

Enclosed are the results of analyses for samples received by the laboratory on 02/09/23 10:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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](http://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".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: A (H230602-01)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.95	97.5	2.00	0.692	
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	195	97.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	204	102	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B (H230602-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.95	97.5	2.00	0.692		
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24		
Total BTEx	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/13/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: C (H230602-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: D (H230602-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/13/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: E (H230602-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/10/2023	ND	2.05	102	2.00	1.52		
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41		
Total BTEX	<0.300	0.300	02/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: F (H230602-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: G (H230602-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H (H230602-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: I (H230602-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: J (H230602-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: K (H230602-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: L (H230602-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/13/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: M (H230602-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: N (H230602-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: O (H230602-15)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64		
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46		
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND						

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: P (H230602-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: Q (H230602-17)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: R (H230602-18)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S (H230602-19)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T (H230602-20)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: U (H230602-21)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0		
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10		
Total BTEx	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	201	100	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	191	95.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V (H230602-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEx	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W (H230602-23)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: X (H230602-24)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: Y (H230602-25)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: Z (H230602-26)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: AA (H230602-27)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	1.83	91.4	2.00	11.0	
Toluene*	<0.050	0.050	02/12/2023	ND	1.85	92.5	2.00	8.49	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.83	91.6	2.00	8.31	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.52	92.0	6.00	8.10	
Total BTEX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BB (H230602-28)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CC (H230602-29)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: DD (H230602-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EE (H230602-31)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FF (H230602-32)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: GG (H230602-33)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91	
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40	
Total BTEX	<0.300	0.300	02/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
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 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HH (H230602-34)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91	
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40	
Total BTEX	<0.300	0.300	02/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
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 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: II (H230602-35)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: JJ (H230602-36)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: KK (H230602-37)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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ERIC GARCIA  
47 E. DICKENS RD  
LOVINGTON NM, 88260  
Fax To: NONE

Received: 02/09/2023  
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Project Name: FAIR 17 FED. #003  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: LL (H230602-38)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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**Analytical Results For:**

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 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: MM (H230602-39)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
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 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
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 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NN (H230602-40)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: OO (H230602-41)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	194	97.2	200	0.530	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	214	107	200	0.182	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: PP (H230602-42)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	181	90.6	200	8.92	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	184	92.2	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: QQ (H230602-43)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	181	90.6	200	8.92	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	184	92.2	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: RR (H230602-44)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	181	90.6	200	8.92	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	184	92.2	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SS (H230602-45)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91	
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40	
Total BTEX	<0.300	0.300	02/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	181	90.6	200	8.92	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	184	92.2	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TT (H230602-46)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	181	90.6	200	8.92	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	184	92.2	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 02/09/2023  
 Reported: 02/15/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 02/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: UU (H230602-47)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2023	ND	1.96	97.8	2.00	2.91		
Toluene*	<0.050	0.050	02/13/2023	ND	2.00	99.8	2.00	2.75		
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	1.98	99.0	2.00	2.66		
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.11	102	6.00	2.40		
Total BTEX	<0.300	0.300	02/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	181	90.6	200	8.92	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	184	92.2	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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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*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO							ANALYSIS REQUEST						
Company Name: Fair Oil LTD							P.O. #:						
Project Manager: Republic Backhoe Service, LLC.							Company: Republic Backhoe						
Address: 47 E. Dickens Rd.							Attn:						
City: Lovington							Address: 47 E. Dickens Rd.						
State: NM Zip: 88260													
Phone #: (575) 631-0131							City: Lovington						
Project #:							State: NM Zip: 88260						
Project Location: Fair 17 Fed. #003							Phone #: (575) 631-0131						
Fax #:													
Sample Name: Eric Garcia							PRESERV						
FOR LAB USE ONLY							SAMPLING						
Lab I.D.							Sample I.D.						
H3301003							A B C D E F G H I J K L M N O P Q R S T U V W X Y Z						
1							C						
2							X						
3							2/7/23 10:15						
4							2/7/23 10:20						
5							2/7/23 10:30						
6							2/7/23 10:35						
7							2/7/23 10:45						
8							2/7/23 10:50						
9							2/7/23 11:00						
10							2/7/23 11:15						
11							2/7/23 11:20						
12													
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Relinquished By: [Signature]							Received By: [Signature]						
Date: 2/7/2023							Time: 10:50						
Relinquished By: [Signature]							Received By: [Signature]						
Date: 2/7/2023							Time: 10:50						
Delivered By: (Circle One)							Observed Temp.: °C 3.7						
Sampler - UPS - Bus - Other:							Corrected Temp.: °C 3.1						
Sample Condition: Cool Intact Yes No							CHECKED BY: (Initials) [Signature]						
Turnaround Time: Standard Rush							Bacteria (only) Sample Condition Cool Intact Yes No						
Thermometer ID #13 Correction Factor -0.5°C							Observed Temp.: °C Corrected Temp.: °C						
Verbal Result: Yes No Add'l Phone #:							All Results are emailed. Please provide Email address: republiconecalls@gmail.com						
REMARKS:													

**Company Name:** Fair Oil LTD

**BILL TO**

ANALYSIS REQUEST

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b>	Fair Oil LTD	<b>P.O. #:</b>		<b>BILL TO</b>	<b>ANALYSIS REQUEST</b>
<b>Project Manager:</b>	Republic Backhoe Service, LLC.	<b>Company:</b>	Republic Backhoe		
<b>Address:</b>	47 E. Dickens Rd.	<b>Attn:</b>			
<b>City:</b>	Lovington	<b>Address:</b>	47 E. Dickens Rd.		
<b>Phone #:</b>	(575) 631-0131	<b>State:</b>	NM	<b>Zip:</b>	88260
<b>Project #:</b>		<b>City:</b>	Lovington		
<b>Project Location:</b>	Fair 17 Fed. #003	<b>State:</b>	NM	<b>Zip:</b>	88260
<b>Sampler Name:</b>	Eric Garcia	<b>Phone #:</b>	(575) 631-0131		
<b>FOR LAB USE ONLY</b>		<b>Fax #:</b>			

	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING	Chloride	TPH	BTEX							
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :												
HQ30403				X			X	X	X							
a1	V					DATE TIME										
a2	V					2/7/13 1:30	X	X	X							
a3	W					1:45										
a4	X					1:55										
a5	Z					2:05										
a6	A A					2:15										
a7	B B					2:36										
a8	C C					2:35										
a9	D D					2:45										
b0						3:00										

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<b>Relinquished By:</b>	Date: 2/9/2013	<b>Received By:</b>	[Signature]
<b>Reinquinshed By:</b>	Date: 10:00	<b>Time:</b>	50
<b>Delivered By:</b> (Circle One)	Observed Temp.: °C 3.7	Corrected Temp.: °C 3.1	Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Sampler - UPS - Bus - Other:</b>	Checked BY: [Initials] V	Turnaround Time:	Standard RUSH <input checked="" type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: republiconecalls@gmail.com
<b>REMARKS:</b>			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Fair Oil LTD		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>			
<b>Project Manager:</b> Republic Backhoe Service, LLC.		<b>P.O. #:</b>					
<b>Address:</b> 47 E. Dickens Rd.		<b>Company:</b> Republic Backhoe					
<b>City:</b> Lovington		<b>Attn:</b>					
<b>State:</b> NM <b>Zip:</b> 88260		<b>Address:</b> 47 E. Dickens Rd.					
<b>Phone #:</b> (575) 631-0131 <b>Fax #:</b>		<b>City:</b> Lovington					
<b>Project #:</b>		<b>State:</b> NM <b>Zip:</b> 88260					
<b>Project Name:</b>		<b>Phone #:</b> (575) 631-0131					
<b>Project Location:</b> Fair 17 Fed. #003		<b>Fax #:</b>					
<b>Sampler Name:</b> Eric Garcia							
<small>FOR LAB USE ONLY</small>							
<b>Lab I.D.</b> H33002 31 32 33 34 35 36 37 38 39 40	<b>Sample I.D.</b> EE EE GG HH II JJ KK LL MM NN	(G)RAB OR (C)OMP.					
		# CONTAINERS					
		GROUNDWATER					
		WASTEWATER					
		SOIL					
		OIL					
		SLUDGE					
		OTHER :					
		ACID/BASE:					
		ICE / COOL					
		OTHER :					
		DATE		TIME			
		2/1/23		3:10 <sup>0</sup>		Chloride	
				3:20		TPH	
				3:30		BTX	
		3:50					
		4:00					
		4:10					
		4:20					
		4:35					
		4:45					
		4:50					

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<b>Relinquished By:</b>	<b>Date:</b> 2/1/2023	<b>Received By:</b>	<b>Date:</b> 2/1/2023
<b>Relinquished By:</b>	<b>Date:</b> 2/1/2023	<b>Received By:</b>	<b>Date:</b> 2/1/2023

<b>Delivered By: (Circle One)</b>	<b>Observed Temp. °C</b>	<b>Sample Condition</b>	<b>CHECKED BY:</b>	<b>Turnaround Time:</b>	<b>Standard</b>	<b>Bacteria (only)</b>	<b>Sample Condition</b>
Sampler - UPS - Bus - Other:	3.7	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)		Standard	<input checked="" type="checkbox"/>	Observed Temp. °C
	Corrected Temp. °C 3.1	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					Corrected Temp. °C

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



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

October 19, 2023

ERIC GARCIA

REPUBLIC BACKHOE SERVICES

47 E. DICKENS RD

LOVINGTON, NM 88260

RE: FAIR 17 FED. #003

Enclosed are the results of analyses for samples received by the laboratory on 10/13/23 15:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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](http://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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 1 (H235608-01)**

BTX 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	10/15/2023	ND	1.95	97.6	2.00	1.43	
Toluene*	<0.050	0.050	10/15/2023	ND	1.97	98.6	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/15/2023	ND	2.01	101	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/15/2023	ND	6.03	101	6.00	1.74	
Total BTX	<0.300	0.300	10/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/16/2023	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2023	ND	174	86.9	200	1.85	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	168	83.8	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 2 (H235608-02)**

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	10/15/2023	ND	1.95	97.6	2.00	1.43	
Toluene*	<0.050	0.050	10/15/2023	ND	1.97	98.6	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/15/2023	ND	2.01	101	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/15/2023	ND	6.03	101	6.00	1.74	
Total BTEx	<0.300	0.300	10/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2023	ND	174	86.9	200	1.85	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	168	83.8	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 3 (H235608-03)**

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	10/15/2023	ND	1.95	97.6	2.00	1.43	
Toluene*	<0.050	0.050	10/15/2023	ND	1.97	98.6	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/15/2023	ND	2.01	101	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/15/2023	ND	6.03	101	6.00	1.74	
Total BTEX	<0.300	0.300	10/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	174	86.9	200	1.85	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	168	83.8	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 4 (H235608-04)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	174	86.9	200	1.85	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	168	83.8	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 (H235608-05)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	174	86.9	200	1.85	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	168	83.8	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 6 (H235608-06)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/16/2023	ND	416	104	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	185	92.6	200	0.789	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	163	81.6	200	0.856	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 7 (H235608-07)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	185	92.6	200	0.789	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	163	81.6	200	0.856	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.5 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 8 (H235608-08)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.7 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 9 (H235608-09)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 10 (H235608-10)**

BTX 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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 11 (H235608-11)**

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	10/16/2023	ND	2.00	100	2.00	6.20		
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02		
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46		
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53		
Total BTEX	<0.300	0.300	10/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 12 (H235608-12)**

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	10/16/2023	ND	2.00	100	2.00	6.20		
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02		
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46		
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53		
Total BTEX	<0.300	0.300	10/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 13 (H235608-13)**

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	10/16/2023	ND	2.00	100	2.00	6.20		
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02		
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46		
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53		
Total BTEX	<0.300	0.300	10/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 14 (H235608-14)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 15 (H235608-15)**

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	10/16/2023	ND	2.00	100	2.00	6.20		
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02		
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46		
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53		
Total BTEX	<0.300	0.300	10/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 16 (H235608-16)**

BTX 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	10/16/2023	ND	2.00	100	2.00	6.20		
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02		
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46		
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53		
Total BTX	<0.300	0.300	10/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 17 (H235608-17)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 18 (H235608-18)**

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	10/16/2023	ND	2.00	100	2.00	6.20		
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02		
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46		
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53		
Total BTEX	<0.300	0.300	10/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 64.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.2 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 19 (H235608-19)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 20 (H235608-20)**

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	10/16/2023	ND	2.00	100	2.00	6.20		
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02		
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46		
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53		
Total BTEX	<0.300	0.300	10/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.7 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 21 (H235608-21)**

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	10/16/2023	ND	2.00	100	2.00	6.20	
Toluene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	1.88	94.0	2.00	9.46	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.59	93.2	6.00	9.53	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 22 (H235608-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2023	ND	2.04	102	2.00	5.43		
Toluene*	<0.050	0.050	10/16/2023	ND	1.97	98.7	2.00	4.68		
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.00	99.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.97	99.4	6.00	4.38		
Total BTEX	<0.300	0.300	10/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/16/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 23 (H235608-23)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	2.04	102	2.00	5.43	
Toluene*	<0.050	0.050	10/16/2023	ND	1.97	98.7	2.00	4.68	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.00	99.8	2.00	4.39	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.97	99.4	6.00	4.38	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/16/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 72.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 24 (H235608-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	2.04	102	2.00	5.43	
Toluene*	<0.050	0.050	10/16/2023	ND	1.97	98.7	2.00	4.68	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.00	99.8	2.00	4.39	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.97	99.4	6.00	4.38	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received: 10/13/2023  
 Reported: 10/19/2023  
 Project Name: FAIR 17 FED. #003  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 25 (H235608-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	2.04	102	2.00	5.43	
Toluene*	<0.050	0.050	10/16/2023	ND	1.97	98.7	2.00	4.68	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.00	99.8	2.00	4.39	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.97	99.4	6.00	4.38	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/16/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	183	91.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	167	83.4	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Fair Oil, LTD		P.O. #:		ANALYSIS REQUEST	
Project Manager:		Company: Republic Bathke			
Address: 225 South College St		Attn:			
City: Tyler		Address: 47 E Dickens Rd.			
State: TX Zip: 75702		City: Livingston			
Phone #: 575-631-0131 Fax #:		State: NY Zip: 88246			
Project #: Project Owner: Fair Oil LTD		Phone #: 575-631-0131			
Project Name: Fair 17 Fed #3		Fax #:			
Project Location: Fair 17 Fed #3					
Sampler Name: Eric Garcia					
FOR LAB USE ONLY					
Lab I.D.		Sample I.D.			
HE351008					
1		(G)RAB OR (C)OMP.			
2		# CONTAINERS			
3		GROUNDWATER			
4		WASTEWATER			
5		SOIL			
6		OIL			
7		SLUDGE			
8		OTHER :			
9		ACID/BASE:			
10		ICE / COOL			
11		OTHER :			
12		DATE			
13		TIME			
14		BTEx			
15		TPH			
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**101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Fair Oil LTD						<b>BILL TO</b>						<b>ANALYSIS REQUEST</b>					
<b>Project Manager:</b>						<b>P.O. #:</b>											
<b>Address:</b> 225 South College Street						<b>Company:</b> Republic Bank &											
<b>City:</b> Tyler						<b>Attn:</b>											
<b>State:</b> TX <b>Zip:</b> 75702						<b>Address:</b> 47 E Dickens											
<b>Phone #:</b>						<b>City:</b> Livingston											
<b>Fax #:</b>						<b>State:</b> NM <b>zip:</b> 88260											
<b>Project #:</b>						<b>Phone #:</b> 575 431 6131											
<b>Project Location:</b> Fair 17 Fed #3						<b>Fax #:</b>											
<b>Sample Name:</b> Eric Garcia																	
<b>FOR LAB USE ONLY</b>																	
<b>Lab I.D.</b>		<b>Sample I.D.</b>		(G)RAB OR (C)OMP.		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>							
				# CONTAINERS													
H23SC08 11 12 13 14 15 16 17 18 19 20				GROUNDWATER		SOIL		ACID/BASE:		DATE		BTEx TPH CI					
				WASTEWATER		OIL		ICE / COOL		TIME							
				SLUDGE		OTHER :											
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<b>Relinquished By:</b> [Signature]						<b>Received By:</b> [Signature]						<b>Verbal Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Add'l Phone #:</b>					
<b>Date:</b> 10-13						<b>Date:</b> 10-13						<b>All Results are emailed. Please provide Email address:</b> republiconecalls@mgmail.com					
<b>Time:</b> 3:34pm						<b>Time:</b> 3:34pm						<b>REMARKS:</b>					
<b>Relinquished By:</b>						<b>Received By:</b>											
<b>Date:</b>						<b>Date:</b>											
<b>Time:</b>						<b>Time:</b>											
<b>Delivered By: (Circle One)</b>						<b>Observed Temp. °C</b>						<b>Sample Condition</b>					
<b>Sampler - UPS - Bus - Other:</b>						<b>Corrected Temp. °C</b>						<b>Cool Intact</b>					
						61						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
												<b>CHECKED BY:</b> [Signature] (Initials)					
												<b>Turnaround Time:</b>					
												<b>Standard</b>					
												<b>RUSH</b>					
												<b>Bacteria (only)</b>					
												<b>Cool Intact</b>					
												<input type="checkbox"/> Yes <input type="checkbox"/> No					
												<b>Observed Temp. °C</b>					
												<b>Corrected Temp. °C</b>					



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Fair Oil LTD	OGRID 65531
Contact Name Steve Talley	Contact Telephone
Contact email Steve.talley@fairoil.com	Incident # (assigned by OCD) nAPP2234659605
Contact mailing address P.O. Box 689, Tyler, TX, 75710	

### Location of Release Source

Latitude 32.839138 Longitude -103.899696  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Fair 17 Federal #003	Site Type Oil Lease
Date Release Discovered 11/22/2022 2022 RJ	API# (if applicable) 30-015-48239

Unit Letter	Section	Township	Range	County
D	17	17S	31E	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) 35	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 80	Volume Recovered (bbls) 60
	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

The cable on the rod rotator came loose and snagged onto the stainless steel line that runs to the high pressure shut down kill switch. The stainless steel line was broken out of the pumping tee.

Form C-141

Page 2

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  Based on current production, the estimated volume released exceeds 25 barrels (35 bbls Oil/80 bbls Produced water).
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? On 11/22/2022, Rodney Thomson notified the BLM of the over night release via email. Notice of release was filed with NMOCD on 12/12/2022.	

**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>Rodney K. Thomson</u>	Title: <u>Production Manager</u>
Signature: <u>[Signature]</u>	Date: <u>2-9-24</u>
email: <u>rodney.thomson@fgi-oil.com</u>	Telephone: <u>903-510-6527</u>
<b><u>OCD Only</u></b> Received by: _____ Date: _____	

Form C-141

Page 3

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

What is the shallowest depth to groundwater beneath the area affected by the release?	None (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 <b>not</b> 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.

## Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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: Rodney K Thomson Title: Production Manager

Signature: *RK Thomson* Date: 2-9-24

email: rodney.thomson@fairoil.com Telephone: 903-510-6527

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ 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: Rodney K Thomson Title: Production Manager  
Signature: [Signature] Date: 2-9-24  
email: rodney.thomson@fairoil.com Telephone: 903-510-6527

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

QUESTIONS  
  
Action 313891

QUESTIONS

Operator: FAIR OIL LTD P.O. Box 689 Tyler, TX 75710	OGRID:
	65531
	Action Number:
	313891
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2234659605
Incident Name	NAPP2234659605 FAIR 17 FEDERAL #3 @ 30-015-48239
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-48239] FAIR 17 FEDERAL #003

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FAIR 17 FEDERAL #3
Date Release Discovered	11/22/2022
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Coupling   Crude Oil   Released: 35 BBL   Recovered: 0 BBL   Lost: 35 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Coupling   Produced Water   Released: 80 BBL   Recovered: 60 BBL   Lost: 20 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	the majority of the oil and water spill was picked up and recovered.

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QUESTIONS, Page 2

Action 313891

**QUESTIONS (continued)**

Operator: FAIR OIL LTD P.O. Box 689 Tyler, TX 75710	OGRID:
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	Action Number:
	313891
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Rodney Thomson Email: rodney.thomson@fairoil.com Date: 03/18/2024
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QUESTIONS, Page 3

Action 313891

**QUESTIONS (continued)**

Operator: FAIR OIL LTD P.O. Box 689 Tyler, TX 75710	OGRID:	65531
	Action Number:	313891
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	11/22/2022
On what date will (or did) the final sampling or liner inspection occur	10/12/2023
On what date will (or was) the remediation complete(d)	02/18/2023
What is the estimated surface area (in square feet) that will be remediated	9095
What is the estimated volume (in cubic yards) that will be remediated	734
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS, Page 4  
Action 313891

QUESTIONS (continued)

Operator: FAIR OIL LTD P.O. Box 689 Tyler, TX 75710	OGRID:	65531
	Action Number:	313891
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Rodney Thomson Email: rodney.thomson@fairoil.com Date: 03/18/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 6

Action 313891

**QUESTIONS (continued)**

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	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Liner Inspection Information</b>	
Last liner inspection notification (C-141L) recorded	{Unavailable.}
Was all the impacted materials removed from the liner	Unavailable.

<b>Remediation Closure Request</b>	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
What was the total surface area (in square feet) remediated	9095
What was the total volume (cubic yards) remediated	734
Summarize any additional remediation activities not included by answers (above)	Not applicable.
<i>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 (in .pdf format) 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.</i>	
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I hereby agree and sign off to the above statement	Name: Rodney Thomson Email: rodney.thomson@fairoil.com Date: 03/18/2024

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CONDITIONS  
  
Action 313891

CONDITIONS

Operator: FAIR OIL LTD P.O. Box 689 Tyler, TX 75710	OGRID: 65531
	Action Number: 313891
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Closure Report Approved. Per 19.15.29.13.D.1 The reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA method 300.0., or other test methods approved by the division. Sample 17 taken on 10/12/2023 will be required to be remediated when the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	5/1/2024