

Pima Environmental Services 5614 N. Lovington Highway Hobbs, NM 88240 575-964-7740

March 20th, 2022

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

Bureau of Land Management 620 East Green Street Carlsbad, NM 88220

Re: Site Assessment, Remediation and Closure Report

Shelby 23 #006H Battery API No. 30-015-41784

GPS: Latitude 32.6367288 Longitude -104.4490816

UL "A", Sec. 26, T19S, R25E

Eddy County, NM

NMOCD Ref. No. NAPP2113934267

Pima Environmental Services, LLC. (Pima) has been contracted by Spur Energy Partners, LLC. (Spur) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Shelby 23 #006H Battery (Shelby). The initial C-141 was submitted on May 28th, 2021 (Appendix C). This incident was assigned Incident ID NAPP2113934267, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Shelby is located approximately 17 miles northwest of Carlsbad, NM. This spill site is in Unit A, Section 26, Township 19S, Range 25E, Latitude 32.6367288 Longitude -104.4490816, Eddy County, NM. Figure 1 references a Location Map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 220 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 50 feet BGS. The closest waterway is Brantley Lake located approximately 5.38 miles to the southeast of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29									
Depth to Groundwater		Constituent & Limits							
(Appendix A)	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene				
<50' (Lack of GW data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg				
51-100′	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg				
>100′	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg				

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2113934267: The leak occurred when a hammer union on the primary transfer pump started to leak, all fluid remained inside the earthen berm surrounding the facility. The total volume of fluid released was calculated to be approximately 60 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 59 bbls of total fluid.

Site Assessment and Soil Sampling Results

On August 31st, 2021, Pima mobilized personnel to the site to assess the area. A Site Map can be found in Figure 4. We sampled the impacted areas. Laboratory results of this sampling event can be found in the following data table.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Groundwater is <50'											
SPUR ENERGY - Shelby 23 #1											
Date 8/31/20	Date 8/31/2021 NM Approved Laboratory Results										
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl			
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
	Surface	ND	ND	ND	8950	2880	11830	56000			
S-1	1'	ND	ND	ND	ND	ND	0	48			
	2'	ND	ND	ND	ND	ND	0	144			
	Surface	29.4	0.298	610	46100	12100	58810	46400			
S-2	1'	ND	ND	ND	ND	ND	0	144			
	2'	ND	ND	ND	56.3	ND	56.3	224			
	Surface	47	0.527	761	50200	15000	65961	47200			
S-3	1'	ND	ND	ND	67.6	ND	67.6	1420			
	2'	ND	ND	ND	21.5	ND	21.5	1340			
	Surface	ND	ND	ND	2030	624	2654	86600			
S-4	1'	ND	ND	ND	ND	ND	0	1040			
	2'	ND	ND	ND	ND	ND	0	96			
S-5	Surface	ND	ND	ND	ND	ND	0	15200			
S-6	Surface	ND	ND	ND	ND	ND	0	6640			
3-0	1'	ND	ND	ND	ND	ND	0	160			
SW-1	0-6"	ND	ND	ND	ND	ND	0	32			
SW-2	0-6"	ND	ND	ND	ND	ND	0	16			
SW-3	0-6"	ND	ND	ND	ND	ND	0	32			
SW-4	0-6"	ND	ND	ND	ND	ND	0	16			
SW-5	0-6"	ND	ND	ND	ND	ND	0	16			
SW-6	0-6"	ND	ND	ND	ND	ND	0	32			
SW-7	0-6"	ND	ND	ND	ND	ND	0	ND			
SW-8	0-6"	ND	ND	ND	ND	ND	0	ND			
SW-9	0-6"	ND	ND	ND	ND	ND	0	ND			
BG-1	0-6"	ND	ND	ND	ND	ND	0	ND			
BG-2	0-6"	ND	ND	ND	ND	ND	0	ND			
BG-3	0-6"	ND	ND	ND	ND	ND	0	ND			
ND- Analyte Not Detected											

Remediation Activities

On November 22nd, 2021, Pima mobilized personnel and equipment to conduct remedial activities. The following table represents the excavated areas and results of the sampling events at various depths BGS. Bottom and sidewall composite samples were obtained to ensure that the horizontal extents of the contamination had been removed. Photographic documentation can be found in Appendix

On November 24th, 2022, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table.

11-24-21 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Groundwater is <50'											
SPUR ENERGY - Shelby 23 #1											
Date 11/24/2	Date 11/24/2021 NM Approved Laboratory Results										
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg			
CS 1	0-6"	ND	ND	ND	ND	ND	0	ND			
CS 2	0-6"	ND	ND	ND	ND	ND	0	ND			
CS 3	0-6"	ND	ND	ND	ND	ND	0	ND			
CS 4	1'	ND	ND	ND	ND	ND	0	ND			
CS 5	1'	ND	ND	ND	ND	ND	0	ND			
CS 6	1'	ND	ND	ND	ND	ND	0	ND			
CS 7	1'	ND	ND	ND	ND	ND	0	ND			
CS 8	1'	ND	ND	ND	ND	ND	0	ND			
CS 9	3'	ND	ND	ND	ND	ND	0	ND			
CS 10	2'	ND	ND	ND	ND	ND	0	ND			
CS 11	2'	ND	ND	ND	ND	ND	0	ND			
CS 12	2'	ND	ND	ND	ND	ND	0	ND			
CS 13	2'	ND	ND	ND	ND	ND	0	ND			
CS 14	0-6"	ND	ND	ND	ND	ND	0	ND			
CS 15	0-6"	ND	ND	ND	ND	ND	0	ND			
CS 16	0-6"	ND	ND	ND	ND	ND	0	ND			
CS 17	3"	ND	ND	ND	ND	ND	0	ND			
CS 18	3"	ND	ND	ND	ND	ND	0	ND			
CS 19	1'	ND	ND	ND	ND	ND	0	ND			
CS 20	1'	ND	ND	ND	ND	ND	0	31.1			
CS 21	0-6"	ND	ND	ND	ND	ND	0	ND			
CS 22	0-6"	ND	ND	ND	ND	ND	0	71.4			

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to Lea Land, an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. A Confirmation Map can be found in Figure 5.

Closure Request

After careful review, Pima requests that this incident, NAPP2119560689 be closed. Spur has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Gio Gomez

Gio Gomez

Environmental Project Manager

Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

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

Appendix D – Photographic Documentation

Appendix E – Laboratory Report



Figures:

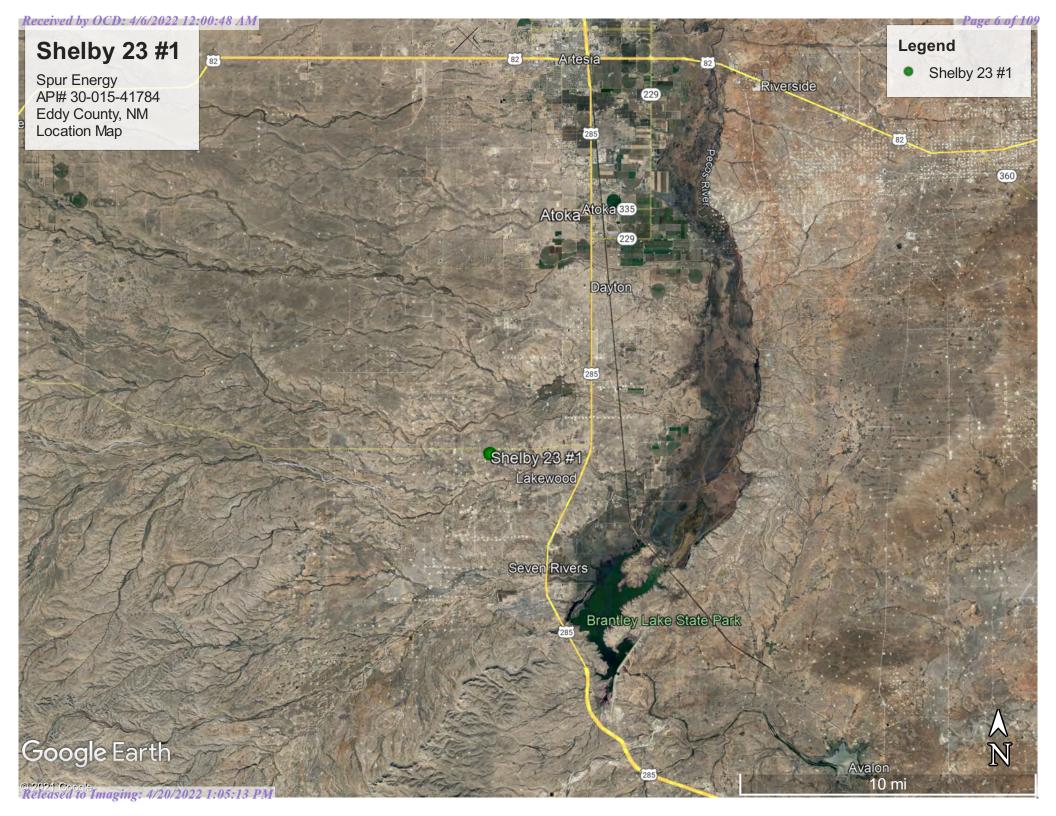
1-Location Map

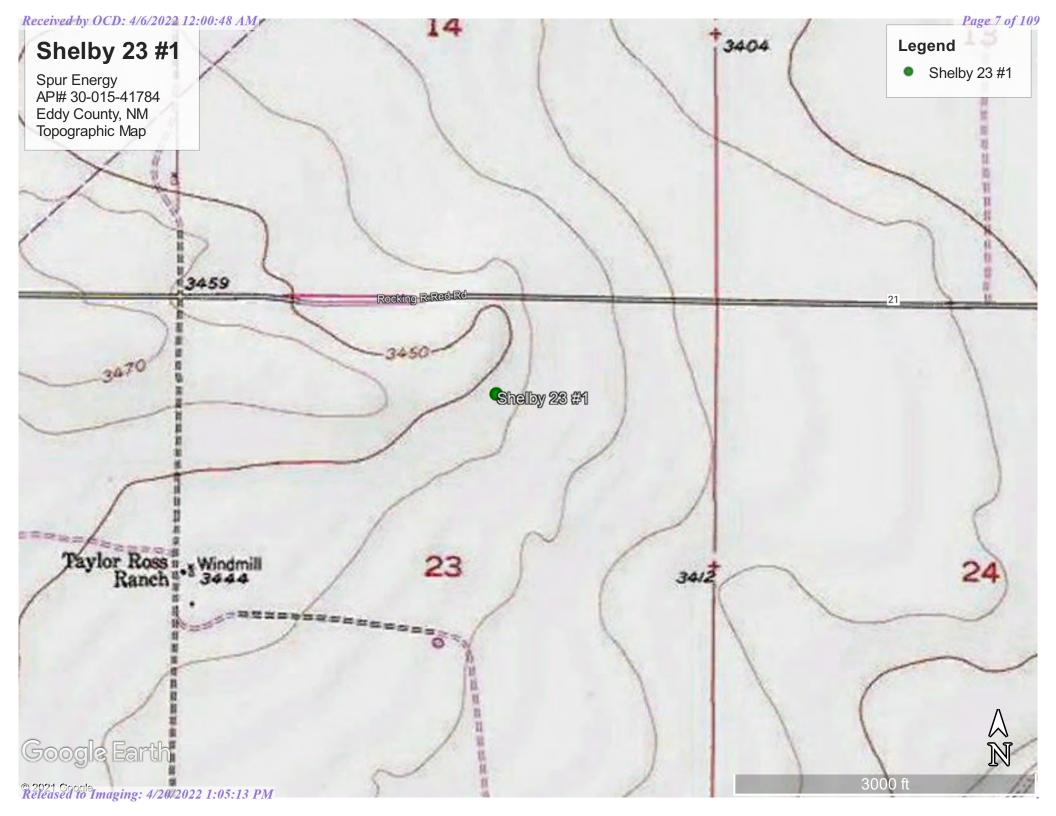
2-Topo Map

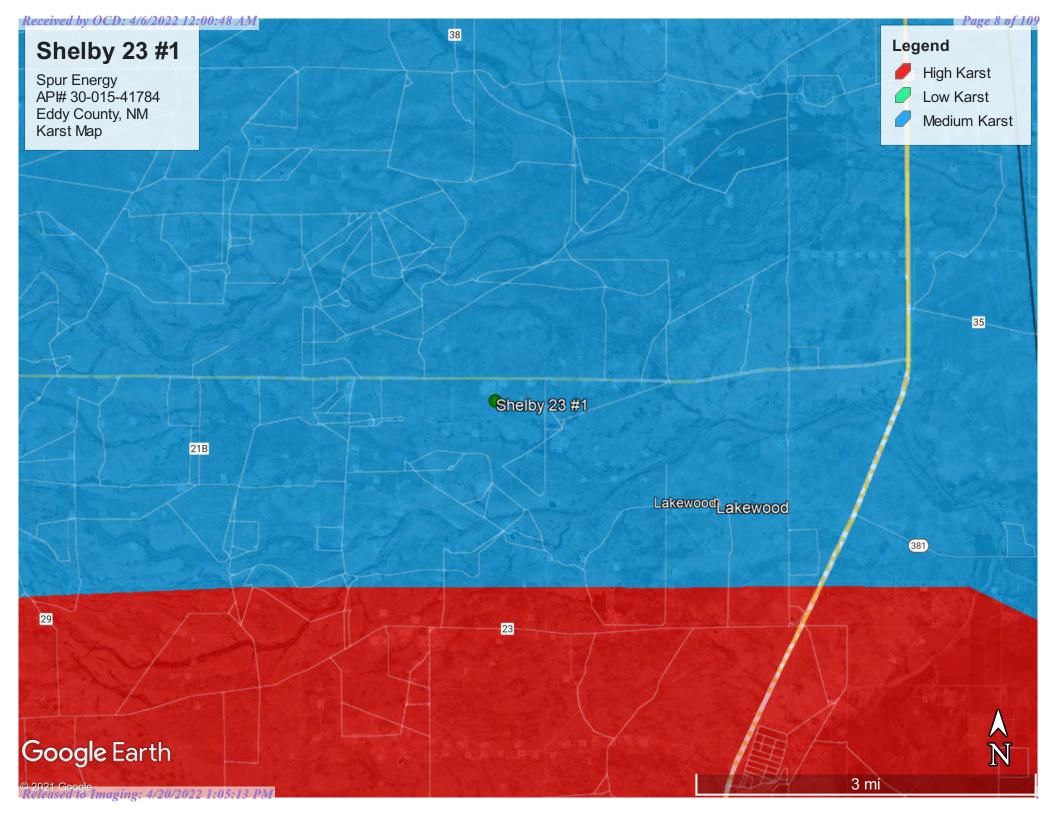
3-Karst Map

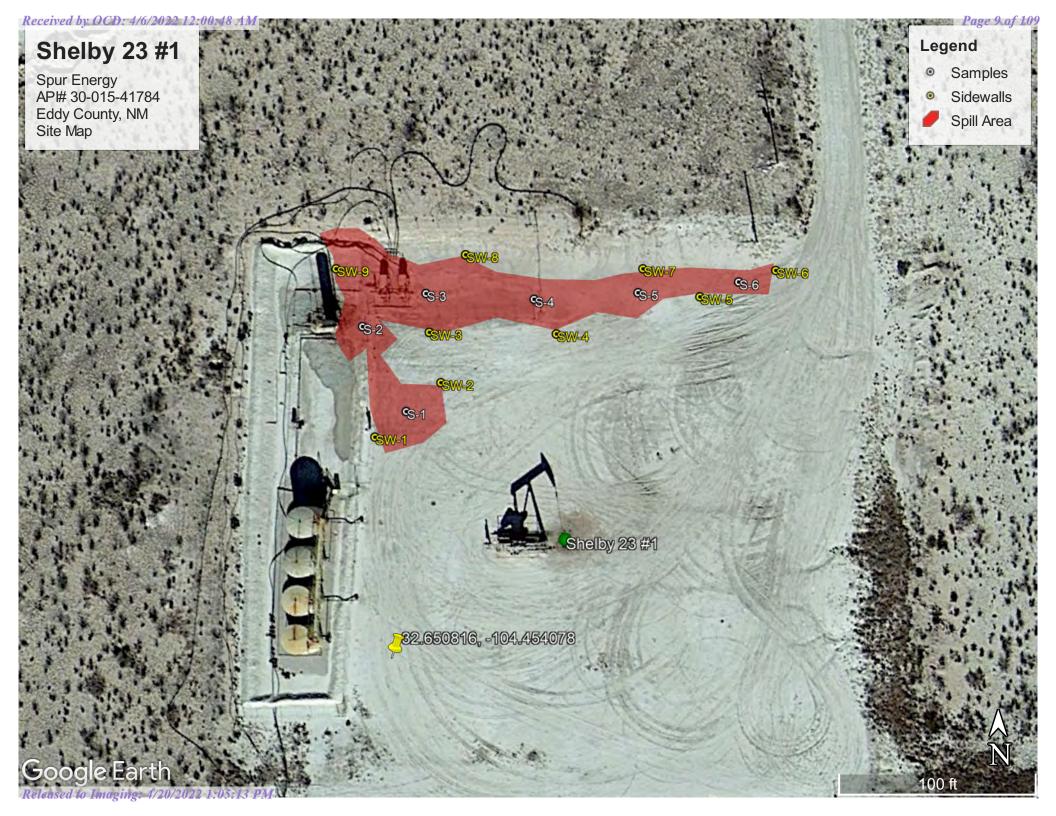
4-Site Map

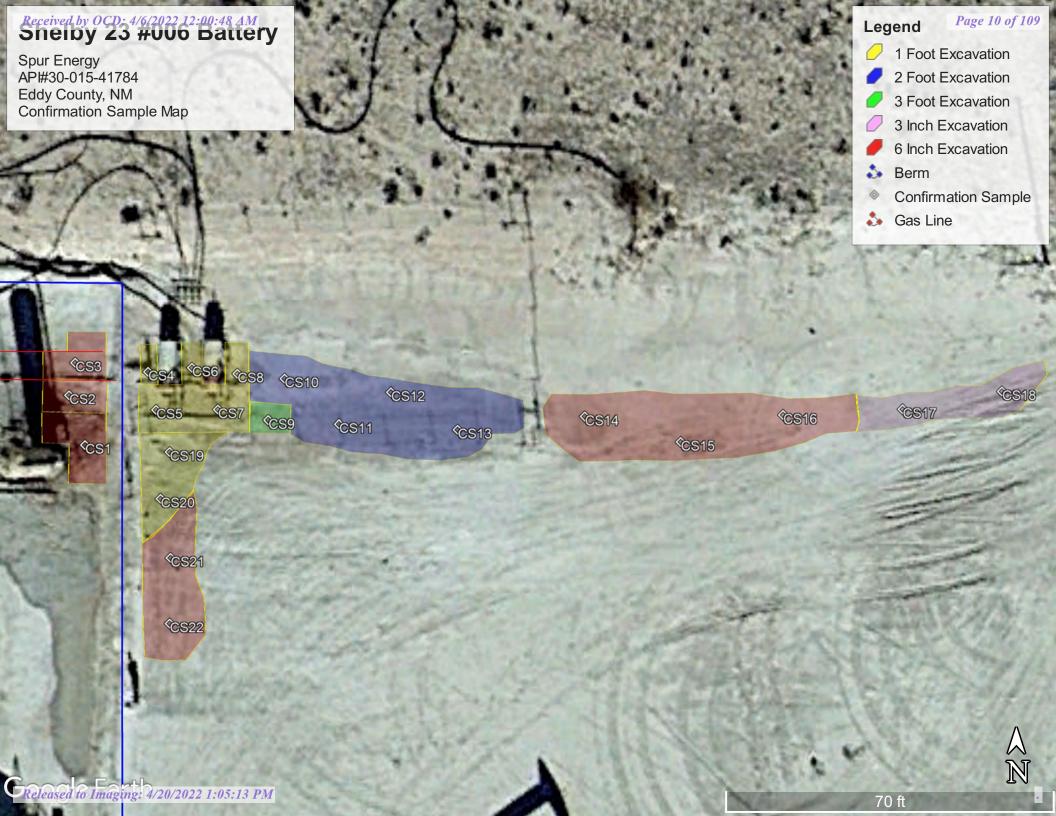
5-Confirmation Sample Map













Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

		POD													
		Sub-		Q	Q (Q								1	Vater
POD Number	Code	basin	County	64	16	4 S	ec	Tws	Rng	X	Y	DistanceDe	pthWellDep	othWater C	olumn
<u>RA 05450</u>		RA	СН		4	2 1	15	19S	25E	550057	3614015*	1735	204	80	124
RA 09295		RA	ED	4	3	4 1	13	19S	25E	552979	3613115*	1825	250	85	165
RA 09293		RA	ED	3	4	4 1	13	19S	25E	553180	3613114*	2022	250	60	190
RA 09294		RA	ED	3	4	4 1	13	19S	25E	553180	3613114*	2022	194	76	118
RA 08611		RA	ED	1	1	1 1	19	19S	26E	553583	3612909*	2392	235	90	145
RA 02909		RA	ED		1	3 2	22	19S	25E	548864	3611989*	2443	188	130	58
RA 08986		RA	ED	1	3	3 2	22	19S	25E	548825	3611507	2660	320	220	100
RA 03304		RA	ED			1 2	27	19S	25E	549081	3610973*	2738	130	60	70
RA 08612		RA	ED	1	2	1 1	19	19S	26E	553989	3612912*	2797	221	80	141
RA 09988		RA	ED	2	4	1 1	19	19S	26E	554190	3612507*	2997	100	65	35

Average Depth to Water:

94 feet

Minimum Depth:

60 feet 220 feet

Maximum Depth:

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 551198.9 **Northing (Y):** 3612708.45 **Radius:** 3000

*UTM location was derived from PLSS - see Help

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

9/7/21 2:34 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

323928104271301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323928104271301 19S.25E.14.43311

Available data for this site Groundwater: Field measurements
GO
GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°39'28", Longitude 104°27'13" NAD27

Land-surface elevation 3,429 feet above NAVD88

The depth of the well is 430 feet below land surface.

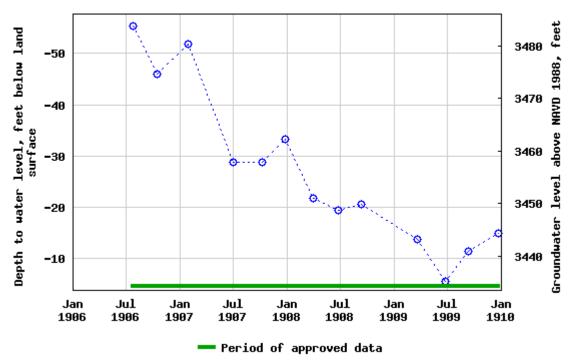
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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

USGS 323928104271301 195.25E.14.43311



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

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Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2021-09-07 16:37:37 EDT

0.62 0.47 nadww01





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National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

323855104274301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323855104274301 19S.25E.23.133334

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'55", Longitude 104°27'43" NAD27

Land-surface elevation 3,451 feet above NAVD88

The depth of the well is 366 feet below land surface.

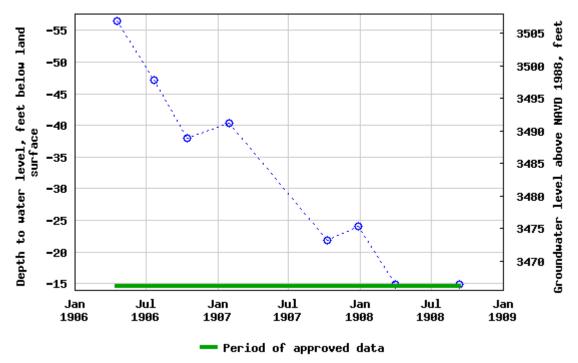
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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

USGS 323855104274301 195,25E,23,133334



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

Questions about sites/data?
Feedback on this web site
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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

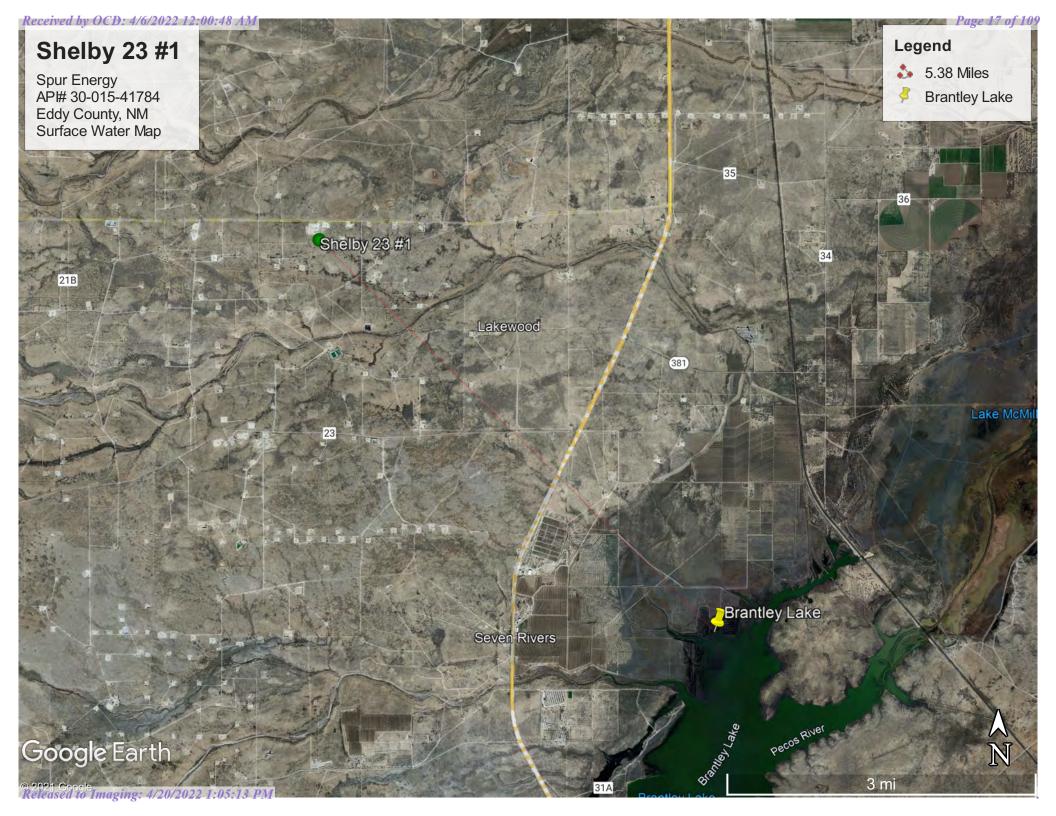
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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

Page Last Modified: 2021-09-07 16:38:10 EDT

0.67 0.51 nadww01







Appendix B

Soil Survey & Geological Data FEMA Flood Map

Eddy Area, New Mexico

UG—Upton gravelly loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w64 Elevation: 1,100 to 4,400 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

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

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Upton

Setting

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Residuum weathered from limestone

Typical profile

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

H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Low to

moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 75 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

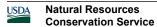
Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s



Hydrologic Soil Group: D

Ecological site: R042XC025NM - Shallow

Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 1 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Reagan

Percent of map unit: 1 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Upton

Percent of map unit: 1 percent

Ecological site: R042XC025NM - Shallow

Hydric soil rating: No

Atoka

Percent of map unit: 1 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 17, Sep 12, 2021

OReleas 250 Im 5 9 Ang: 4/20/2022 P.905:13 PM

Received by OCD: 4/6/2022 12:00:48 AM National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER Profile Baseline **FEATURES** Hydrographic Feature Digital Data Available

MAP PANELS

Unmapped The pin displayed on the map is an approximate

an authoritative property location.

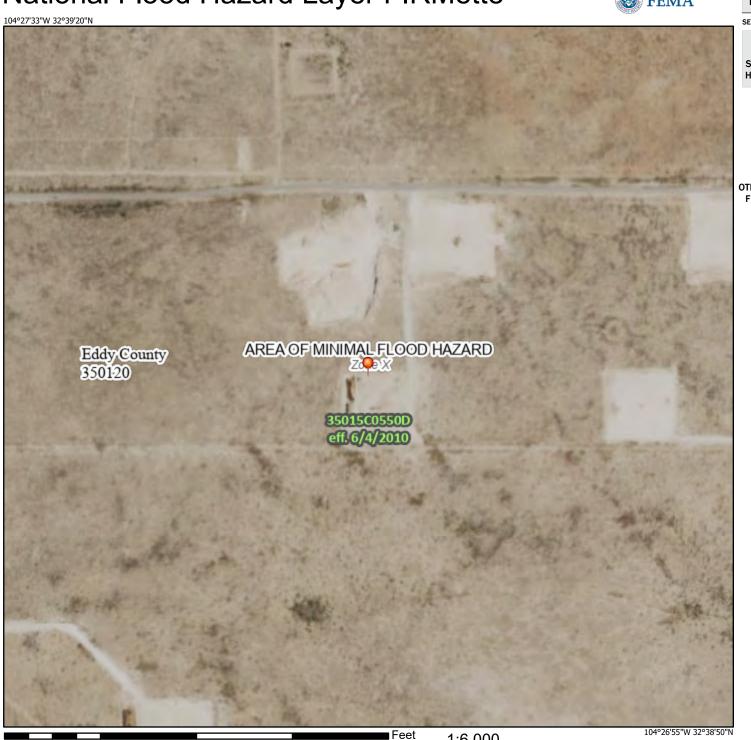
No Digital Data Available

point selected by the user and does not represent

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 10/26/2021 at 11:43 AM 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.



2.000



Appendix C

C-141 Form 48-Hour Notification <u>District I</u> 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	NAPP2113934267
District RP	
Facility ID	1 13
Application ID	

Release Notification

Responsible Party

OGRID

Contact Nam	Party Spu	ir Energy Partner	SLLC	OGRID 328947			
Jonitaet I (am	ne Bra	idy Moulder	(Contact Telephone 713-264-2517			
Contact emai	il bm	oulder@spurep	llc.com I	Incident # (assigned by OCD) NAPP2113934267			
Contact mail	ing address 2	2407 Pecos Ave	enue, Artesia, NM 882	10			
atitude 32	636728	38	Location of Rel	ongitude -104.4490	816		
ite Name Ok	aalby 22 #(006H Battery		ite Type Production			
		05/16/2021		PI# (if applicable)			
and Atorondo	2.500 , 5.64	03/10/2021		W 01			
Unit Letter	Section	Township	Range	County			
Α	26	198	25E	Eddy			
			Nature and Volu	me of Release			
_			that apply and attach calculation	s or specific justification for the	volumes provided below)		
Crude Oi	l	Volume Released	that apply and attach calculation i (bbls)	s or specific justification for the Volume Recov	vered (bbls)		
	l	Volume Released	that apply and attach calculation 1 (bbls) 1 (bbls) 60	s or specific justification for the Volume Recov	vered (bbls)		
	l	Volume Released Volume Released Is the concentrati	that apply and attach calculation 1 (bbls) 1 (bbls) 60 on of dissolved chloride in	s or specific justification for the Volume Recov	vered (bbls)		
	l Water	Volume Released	that apply and attach calculation (bbls) (bbls) 60 on of dissolved chloride in 10,000 mg/l?	s or specific justification for the Volume Recov	vered (bbls) vered (bbls) 59		
Produced	l Water	Volume Released Volume Released Is the concentration produced water >	that apply and attach calculation 1 (bbls) 1 (bbls) 60 on of dissolved chloride in 10,000 mg/l? 1 (bbls)	volume Recov	vered (bbls) 59 vered (bbls) 59 vered (bbls)		
Produced Condense	l Water ate Gas	Volume Released Is the concentrati produced water > Volume Released Volume Released	that apply and attach calculation 1 (bbls) 1 (bbls) 60 on of dissolved chloride in 10,000 mg/l? 1 (bbls)	volume Recover the Wolume Recove	vered (bbls) vered (bbls) 59 vered (bbls)		

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	NAPP2113934267
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ■ Yes □ No	If YES, for what reason(s) do >25 bbls	pes the responsible party consider this a major release?
		thom? To whom? When and by what means (phone, email, etc)? Bratcher and Jim Griswold on 5/17/2021.
		Initial Response
The responsible	party must undertake the following ac	tions immediately unless they could create a safety hazard that would result in injury
■ The impacted area h ■ Released materials h		an health and the environment. of berms or dikes, absorbent pads, or other containment devices. n removed and managed appropriately.
Per 10 15 20 9 D (4) M	MAC the responsible party may	commence remediation immediately after discovery of a release. If remediation
has begun, please attacl	a narrative of actions to date.	If remedial efforts have been successfully completed or if the release occurred (a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the infregulations all operators at public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations.	formation given above is true and core required to report and/or file certainment. The acceptance of a C-141 igate and remediate contamination of a C-141 report does not relieve	omplete to the best of my knowledge and understand that pursuant to OCD rules and ain release notifications and perform corrective actions for releases which may endanger report by the OCD does not relieve the operator of liability should their operations have that pose a threat to groundwater, surface water, human health or the environment. In the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Dako	ta Neel	Title: HSE Coordinator
	lots Ned	Date: 05/28/2021
_{email:} dneel@sp	ureplic.com	Telephone; 832-849-7837
OCD Only		
Received by: Ramona Marcus		Date: 11/9/2021

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Incident ID	NAPP2113934267
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?	(ft bgs)			
Did this release impact groundwater or surface water?	☐ Yes 🏻 No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes 🏻 No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🏻 No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes 🔀 No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes 🛛 No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes 🄀 No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes 🛛 No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes 🛛 No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes 🔀 No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes 🛚 No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes 💢 No			
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes 🛛 No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and 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.				
 \Bigsize Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area. Data table of soil contaminant concentration data 	ls.			
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release				

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.

Boring or excavation logs

Received by OCD: 4/6/2022 12:00:48 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Application ID

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Page 27 of 109

Incident ID	NAPP2113934267
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.

New Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	os of the liner integrity if applicable (Note: appropriate OCD District office			
☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)				
Description of remediation activities				
and regulations all operators are required to report and/or file cert may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and r human health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or regu	olete to the best of my knowledge and understand that pursuant to OCD rules ain release notifications and perform corrective actions for releases which of a C-141 report by the OCD does not relieve the operator of liability remediate contamination that pose a threat to groundwater, surface water, of a C-141 report does not relieve the operator of responsibility for allations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.			
Printed Name: Braidy Moulder	Title: HSE Coordinator			
Signature: Braidy Moulder	Date: 3/20/2022			
email: bmoulder@spurepllc.com	Telephone: <u>713-264-2517</u>			
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: 04/20/2022			
Printed Name: Jennifer Nobui	Title: Environmental Specialist A			
_				

From: sebastian@pimaoil.com
To: ocdonline@state.nm.us

Cc: tom@pimaoil.com; gio@pimaoil.com

Subject: Shelby 23 #006H Battery- 48 Hour Notification Date: Monday, November 22, 2021 5:18:38 PM

Good afternoon,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Shelby 23 #006H Battery incident number NAPP2113934267. Pima personnel is scheduled to be on site for this sampling event at approximately 8:00 a.m. on Wednesday, November 24th, 2021. If you have any questions or concerns, please let me know. Thank you.

Respectfully,
Sebastian Orozco
Environmental Professional
1601 N. Turner Ste. 500
Hobbs, NM 88240
Sebastian@pimaoil.com
619-721-4813 cell



Appendix D

Photographic Documentation



SITE PHOTOGRAPHS SPUR ENERGY SHELBY 23 #1

Site Assessment





































Post Treatment























Appendix E

Laboratory Reports



September 03, 2021

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

RE: SHELBY 23 #1

Enclosed are the results of analyses for samples received by the laboratory on 08/31/21 15:45.

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

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

BTEX 8021B

Project Location: SPUR ENERGY - EDDY CO NM

mg/kg

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 1 SURFACE (H212364-01)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	2.05	103	2.00	2.54	
Toluene*	<0.050	0.050	09/02/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.37	106	6.00	2.17	
Total BTEX	<0.300	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	56000	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	8950	50.0	09/01/2021	ND	222	111	200	6.53	QM-07

Analyzed By: MS

Surrogate: 1-Chlorooctane 87.3 % 44.3-133 Surrogate: 1-Chlorooctadecane 441 % 38.9-142

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

ma/ka

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 1 1' (H212364-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	2.05	103	2.00	2.54	
Toluene*	<0.050	0.050	09/01/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.37	106	6.00	2.17	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	222	111	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	78.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.4	% 38.9-14	2						

Applyzod By: MC

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Celeg D. Freene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40 Project Location: SPUR ENERGY - EDDY CO NM Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: S - 1 2' (H212364-03)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	2.05	103	2.00	2.54	
Toluene*	<0.050	0.050	09/01/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.37	106	6.00	2.17	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	222	111	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	84.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.5	% 38.9-14	2						

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Celey D. Keene



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

Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)

Sample Received By: Tamara Oldaker

Sample ID: S - 2 SURFACE (H212364-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.298	0.050	09/02/2021	ND	2.05	103	2.00	2.54	
Toluene*	4.23	0.050	09/02/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	7.31	0.050	09/02/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	17.6	0.150	09/02/2021	ND	6.37	106	6.00	2.17	
Total BTEX	29.4	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	221 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46400	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	610	100	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	46100	100	09/01/2021	ND	222	111	200	6.53	
EXT DRO >C28-C36	12100	100	09/01/2021	ND					
Surrogate: 1-Chlorooctane	215	% 44.3-13	3						

Surrogate: 1-Chlorooctadecane 1830 % 38.9-142

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Celey D. Keine



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

ma/ka

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 2 1' (H212364-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	2.05	103	2.00	2.54	
Toluene*	<0.050	0.050	09/01/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.37	106	6.00	2.17	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	222	111	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	75.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.7	% 38.9-14	2						

Applyzod By: MC

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Celey D. Keene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Location: SPUR ENERGY - EDDY CO NM

6-40

ma/ka

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 2 2' (H212364-06)

Project Number:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	2.05	103	2.00	2.54	
Toluene*	<0.050	0.050	09/01/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.37	106	6.00	2.17	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	56.3	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.0	% 38.9-14	2						

Applyzod By: MC

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Celey D. Keene



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

Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: S - 3 SURFACE (H212364-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.527	0.200	09/02/2021	ND	2.05	103	2.00	2.54	
Toluene*	6.67	0.200	09/02/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	11.8	0.200	09/02/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	28.0	0.600	09/02/2021	ND	6.37	106	6.00	2.17	
Total BTEX	47.0	1.20	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	150	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	47200	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	761	100	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	50200	100	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	15000	100	09/01/2021	ND					
Surrogate: 1-Chlorooctane	171	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	1510	% 38 9-14	2						

1510 % Surrogate: 1-Chlorooctadecane 38.9-142

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Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

ma/ka

Project Number: 6-40
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 3 1' (H212364-08)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	67.6	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	76.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.6	% 38.9-14	2						

Applyzod By: MC

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Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Location: SPUR ENERGY - EDDY CO NM

6-40

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: S - 3 2' (H212364-09)

Project Number:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	21.5	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	78.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.8	% 38.9-14	2						

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Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM Sampling Date: 08/31/2021

Sampling Type: Soil Sampling Condition:

** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: S - 4 SURFACE (H212364-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	86600	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	2030	50.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	624	50.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	83.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110 9	% 38.9-14	2						

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Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Location: 6-40

Project Location: SPLIP ENERGY - ED

Project Location: SPUR ENERGY - EDDY CO NM

mg/kg

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 4 1' (H212364-11)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	83.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.9	% 38.9-14	2						

Analyzed By: MS

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Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

ma/ka

Sampling Date: 08/31/2021

Sampling Type: Soil
Sampling Condition: ** (See Notes)

Sample Received By: Tamara Oldaker

Sample ID: S - 4 2' (H212364-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	86.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.1	% 38.9-14	2						

Applyzod By: MC

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 5 SURFACE (H212364-13)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	78.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.6	% 38.9-14	2						

Analyzed By: MC

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Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: S - 6 SURFACE (H212364-14)

BTEX 8021B	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	ed By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	153 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	138 9	% 38.9-14	2						

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Celey D. Keene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Location: SPUR ENERGY - EDDY CO NM

6-40

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S - 6 1' (H212364-15)

Project Number:

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	76.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.7	% 38.9-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPLIP ENERGY

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil
Sampling Condition: ** (See Notes)

Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (H212364-16)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	79.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.8	% 38.9-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil
Sampling Condition: ** (See Notes)

Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (H212364-17)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	75.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.4	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

mg/kg

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (H212364-18)

BTEX 8021B

DIEX GOZID	ıııg,	- Kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	80.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.2	% 38.9-14	2						

Analyzed By: MS

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Celey D. Keine



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (H212364-19)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.3	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil
Sampling Condition: ** (See Notes)

Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (H212364-20)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	75.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.3	% 38.9-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (H212364-21)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43	
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60	
Total BTEX	<0.300	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	70.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	61.4	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

ma/ka

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (H212364-22)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43	
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60	
Total BTEX	<0.300	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	77.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.4	% 38.9-14	2						

Applyzod By: MC

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Celey D. Keene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (H212364-23)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43	
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60	
Total BTEX	<0.300	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	80.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.9	% 38.9-14	22						

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Celeg D. Freene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (H212364-24)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43	
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60	
Total BTEX	<0.300	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-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	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	75.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.5	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil
Sampling Condition: ** (See Notes)

Sample Received By: Tamara Oldaker

Sample ID: BG - 1 (H212364-25)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43	
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60	
Total BTEX	<0.300	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	74.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.4	% 38.9-14	2						

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Celey D. Keene



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

ma/ka

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BG - 2 (H212364-26)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43	
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60	
Total BTEX	<0.300	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	197	98.5	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	213	107	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	83.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.6	% 38.9-14	2						

Applyzod By: MC

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Celey D. Keine



Analytical Results For:

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

Received: 08/31/2021 Reported: 09/03/2021

Project Name: SHELBY 23 #1

Project Number: 6-40

Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BG - 3 (H212364-27)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.98	99.2	2.00	1.48	
Toluene*	<0.050	0.050	09/02/2021	ND	1.97	98.6	2.00	4.08	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	7.63	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.15	103	6.00	7.70	
Total BTEX	<0.300	0.300	09/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	197	98.5	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	213	107	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					
Surrogate: 1-Chlorooctane	86.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.6	% 38.9-14	2						

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Celey D. Keine



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-247												
Company Name	e: Pima Environmental Serv	ices	3			BII	L TO			ANALYS	S REQUE	EST	
Project Manage	chris Jones				P.(0. #:							
Address: 160	01 N Turner St., Suite 500				Co	mpany: 57	our Energy						
city: Hobbs	S State: NM	Zip	8	8240	At		2/						
Phone #: 575	-964-7740 Fax #:			Ad	ldress:								
Project #:/5 -	40 Project Owne	ur	Energy	Cit	ty:								
Project Name:	Shelby 23 #1		3/			Zip:							
Project Location	n: Eddy NM			Ph	one #:	-	-	+					
Sampler Name:					Fa	x #:		1	4				
FOR LAB USE ONLY			П	MATRIX		PRESERV.	SAMPLING	TH	N I				
Lab I.D. #212364 1 2 3 4 5	Sample I.D. S-1 Surface S-1 1' S-1 21 S-2 Surface S-2 1' S-7 2'	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER OIL	OTHER:	ACID/BASE: CE / COOL OTHER:	DATE TIME	Hd1>	S TEX				
7 8 9 0	5-3 Sutta Ce 5-3 11 5-3 21 5-4 Suffa (e nd Damages. Cardinat's kiability and client's exclusive remedy for	any dain	arfsin	g whether based in contra	act or tor	1, shall be limited to	of the amount paid by the clier	nt for the					

affiliates or successors arising out of or related to the perfor	mance of services hereunder by Co	ardinal, regardless of whether such claim is bas	sed upon any of the above stated re	asons or otherwise.			
Relinquished By:	Date /	Received By:	11111	Phone Result:	☐ Yes	□ No	Add'l Phone #:
1. 1	0/21/51	1	11/1/1/1/	Fax Result:	☐ Yes	□ No	Add'l Fax #:
Jugar /	Time: 545	· Jamara	UNALW	REMARKS:			
Relinquished By:	Date:	Received By:	The state of the s				
	Time:						
Delivered By: (Circle One)		Sample Condition	CHECKED BY:				
Sampler - UPS - Bus - Other:	27.2c \$	Cool Intact Yes Yes No No No	(Initials)	Bro	usi	+50	traight to lab from field
10 5 1					0		

12:00:48 AM

Received by OCD: 4/6/2022

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name				В	ILL TO					ANAL	YSIS	REQU	EST					
	r: Chris Jones						P.O. #				T							
Address: 160	01 N Turner St., Suite 500)					Comp	any:			1							
city: Hobbs			: 8	8240			Attn:											
Phone #: 575-	hone #: 575-964-7740 Fax #:							ss:										
Project #:	Project #: Project Owner:																	
Project Name:	roject Name:								Zip:									
Project Location								#:			1	-						
Sampler Name:							Fax #:				\perp	-	1					
FOR LAB USE ONLY				N	MATRI	X	PR	ESER	/. SAMPLI	ING	4	1	20					
Lab I.D. H212364 11 12 13 14 15 16 17	Sample I.D. 5-4 2' 5-5 Sufface 5-6 Sufface 5-6 1' 5W-1 5W-2 5W-3 5W-4	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER: ACID/BASE:	CTHEB.	DATE 8/31/21	TIME	TAL	7777	Chlari					
20	SW- 5	V			V			A	V		1	W	V					

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affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, recardless of whether such claim is hased upon any of the above stated reasons or otherwise.

Relinquished By;	Date: Bul-	Received By:	0.	Phone Result:	☐ Yes	□ No	Add'l Phone #:
0.1/	8/71/21		111111	Fax Result:	☐ Yes	□ No	Add'l Fax #:
Monay y	Time:	munes d	Maken	REMARKS:			
0 0 0 0	1070	Tunnena IX	sucus yic				
Relinquished By:	Date:	Received By:					
	Times						
	Time:						
Delivered By: (Circle One)		Sample Condition	CHECKED BY:				
Delivered by. (Officie Offe)		Cool Intact	(Initials)				
Sampler - UPS - Bus - Other:	57 70	4412 Tyes Tyes					
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Released to Imaging: 4/20/2022 1:05:13 PM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

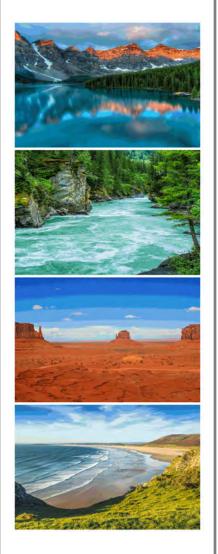
101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476 Company Name: Pima Environmental Services									BIL	L TO					AN	ALYSI	S RE	QUEST	Γ	
Project Manager: Chris Jor							P.O.	#:												
Address: 1601 N Turner							Company:													
city: Hobbs	State: NM Zip	: 8	824	10			Attr	1:												
Phone #: 575-964-7740							Add	iress	:											
roject #: Project Owner:							City	:												
roject Name:							Stat	te:		Zip:										
roject Name: roject Location:							Pho	ne #	:			-								
Sampler Name:							Fax	#:				1							- 1	
FOR LAB USE ONLY		Т		M.A	ATRI	X		PRES	ERV.	SAMPLI	NG	111		8						
H212364 21 SW-6 22 SW-7 23 SW-8	uple I.D.	TAINE	GROUNDWATER	WASTEWATER	0 0	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE 8/3/21	TIME	HALL	THE STATE	Moria						
24 5 W - 9 25 Bg - 1 24 Bg - 2 27 Bg - 3		1		1	7				V	V		V	V	V						

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed w service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By: Relinquished By:	Date: 74/21 Time: Date: Time:	Received By: Muara Malyer Received By:	Phone Result: Fax Result: REMARKS:	☐ Yes ☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	27.2°	Sample Condition CHECKED Cool Intact (Initials Tyes Tyes No No				

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shelby 23 #1

Work Order: E111142

Job Number: 21064-0001

Received: 11/27/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/2/21

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

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

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

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

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

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/2/21

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Shelby 23 #1

Workorder: E111142

Date Received: 11/27/2021 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/27/2021 12:00:00PM, under the Project Name: Shelby 23 #1.

The analytical test results summarized in this report with the Project Name: Shelby 23 #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	Reported:
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/02/21 14:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E111142-01A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS2	E111142-02A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS3	E111142-03A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS4	E111142-04A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS5	E111142-05A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS6	E111142-06A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS7	E111142-07A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS8	E111142-08A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS9	E111142-09A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS10	E111142-10A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS11	E111142-11A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS12	E111142-12A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS13	E111142-13A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS14	E111142-14A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS15	E111142-15A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS16	E111142-16A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS17	E111142-17A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS18	E111142-18A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS19	E111142-19A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS20	E111142-20A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS21	E111142-21A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS22	E111142-22A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS1

		E111142-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		123 %	50-200	11/29/21	11/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	

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CS2

		E111142-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		116 %	50-200	11/29/21	11/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		120 %	50-200	11/29/21	11/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
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CS4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		120 %	50-200	11/29/21	11/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2149004
·	ND	20.0		11/29/21	11/29/21	



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CS5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		120 %	50-200	11/29/21	11/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2149004
·	ND	20.0	1	11/29/21	11/29/21	



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CS6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		119 %	50-200	11/29/21	11/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



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CS7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		122 %	50-200	11/29/21	11/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2149004
	ND	20.0		11/29/21	11/29/21	



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CS8

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		123 %	50-200	11/29/21	11/29/21	
A L., EDA 200 0/005/A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2149004
Anions by EPA 300.0/9056A	8 8					



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CS9

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
Surrogate: n-Nonane		118 %	50-200	11/29/21	11/29/21	
A : 1 EDA 200 0/0056 A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2149004
Anions by EPA 300.0/9056A	8 8	<u> </u>				



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CS10

Analyst: RKS	pared Analyzed	Notes
		D . 1 . 21.10001
1 11/2		Batch: 2149001
1 11/2	9/21 12/01/21	
1 11/2	9/21 12/01/21	
1 11/2	9/21 12/01/21	
1 11/2	9/21 12/01/21	
1 11/2	9/21 12/01/21	
1 11/2	9/21 12/01/21	
11/2	9/21 12/01/21	
Analyst: RKS		Batch: 2149001
1 11/2	9/21 12/01/21	
11/2	9/21 12/01/21	
Analyst: JL		Batch: 2149005
1 11/2	9/21 11/30/21	
1 11/2	9/21 11/30/21	
11/2	9/21 11/30/21	
Analyst: IY		Batch: 2149004
111101750111		Datell. 2147004
	1 11/2 1 11/2 1 11/2 1 11/2 Analyst: RKS 1 11/2 I1/2 Analyst: JL 1 11/2 1 11/2 11/2	1 11/29/21 12/01/21 1 11/29/21 12/01/21 1 11/29/21 12/01/21 11/29/21 12/01/21 Analyst: RKS 1 11/29/21 12/01/21 I1/29/21 12/01/21 Analyst: JL 1 11/29/21 11/30/21 1 11/29/21 11/30/21 I1/29/21 11/30/21



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CS11

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
Surrogate: n-Nonane		120 %	50-200	11/29/21	11/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2149004
	ND	20.0	-	11/29/21	11/29/21	



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
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CS12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
Surrogate: n-Nonane		116 %	50-200	11/29/21	11/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	_

Anions by EPA 300.0/9056A

Chloride

Sample Data

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Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS13

		E111142-13				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
Surrogate: n-Nonane		121 %	50-200	11/29/21	11/30/21	

mg/kg

20.0

mg/kg

ND

Analyst: IY

11/29/21

11/30/21



Batch: 2149004

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
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CS14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2149005
tonnaiogenated Organics by ETA 0013B BRO/ORO		2 2				
	ND	25.0	1	11/29/21	11/30/21	
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)			1		11/30/21 11/30/21	
Diesel Range Organics (C10-C28)	ND	25.0	1 1 50-200	11/29/21		
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND	25.0 50.0	1 1	11/29/21 11/29/21 11/29/21	11/30/21	Batch: 2149004



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS15

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	_
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
Surrogate: n-Nonane		124 %	50-200	11/29/21	11/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS16

	Danartina				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2149001
ND	0.0250	1	11/29/21	12/01/21	
ND	0.0250	1	11/29/21	12/01/21	
ND	0.0250	1	11/29/21	12/01/21	
ND	0.0250	1	11/29/21	12/01/21	
ND	0.0500	1	11/29/21	12/01/21	
ND	0.0250	1	11/29/21	12/01/21	
	99.7 %	70-130	11/29/21	12/01/21	
mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2149001
ND	20.0	1	11/29/21	12/01/21	
	94.3 %	70-130	11/29/21	12/01/21	
mg/kg	mg/kg	Anal	lyst: JL		Batch: 2149005
ND	25.0	1	11/29/21	11/30/21	
ND	50.0	1	11/29/21	11/30/21	
	120 %	50-200	11/29/21	11/30/21	
mg/kg	mg/kg	Anal	lyst: IY		Batch: 2149004
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 25.0 MB/kg mg/kg MB/kg mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 99.7 % 70-130 mg/kg mg/kg Ana ND 20.0 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/29/21 ND 0.0250 1 11/29/21 ND 0.0250 1 11/29/21 ND 0.0250 1 11/29/21 ND 0.0500 1 11/29/21 ND 0.0250 1 11/29/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/29/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL ND 25.0 1 11/29/21 ND 50.0 1 11/29/21	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/29/21 12/01/21 ND 0.0250 1 11/29/21 12/01/21 ND 0.0250 1 11/29/21 12/01/21 ND 0.0500 1 11/29/21 12/01/21 ND 0.0250 1 11/29/21 12/01/21 MD 0.0250 1 11/29/21 12/01/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/29/21 12/01/21 mg/kg mg/kg Analyst: JL 12/01/21 mg/kg mg/kg Analyst: JL ND 25.0 1 11/29/21 11/30/21 ND 25.0 1 11/29/21 11/30/21 11/30/21 ND 50.0 1 11/29/21 11/30/21



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS17

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
Surrogate: n-Nonane		114 %	50-200	11/29/21	11/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2149004
· ·	ND	20.0		11/29/21	11/30/21	<u>"</u>



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS18

		Reporting				
	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2149001
	ND	0.0250	1	11/29/21	12/01/21	
ene	ND	0.0250	1	11/29/21	12/01/21	
	ND	0.0250	1	11/29/21	12/01/21	
	ND	0.0250	1	11/29/21	12/01/21	
ne	ND	0.0500	1	11/29/21	12/01/21	
enes	ND	0.0250	1	11/29/21	12/01/21	
4-Bromochlorobenzene-PID		101 %	70-130	11/29/21	12/01/21	
genated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	Analyst: RKS		Batch: 2149001
Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
l-Chloro-4-fluorobenzene-FID		94.6 %	70-130	11/29/21	12/01/21	
genated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2149006
nge Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
n-Nonane		133 %	50-200	11/29/21	11/30/21	
	_	71	Λ,	nalyst: IY		Batch: 2149004
y EPA 300.0/9056A	mg/kg	mg/kg	Ai	naryst. 11		Daten. 2147004
	_	п	۸,	nalvet: IV		Rate

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS19

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/kg		Ana	lyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2149006
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
Surrogate: n-Nonane		120 %	50-200	11/29/21	11/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/kg		Anal	yst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	11/29/21	12/01/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2149006
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
Surrogate: n-Nonane		122 %	50-200	11/29/21	11/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2149004
	31.1	20.0		11/29/21	11/30/21	



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS21

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: RKS		Batch: 2149002
ND	0.0250	1	11/29/21	11/29/21	
ND	0.0250	1	11/29/21	11/29/21	
ND	0.0250	1	11/29/21	11/29/21	
ND	0.0250	1	11/29/21	11/29/21	
ND	0.0500	1	11/29/21	11/29/21	
ND	0.0250	1	11/29/21	11/29/21	
	99.0 %	70-130	11/29/21	11/29/21	
mg/kg	mg/kg	Analyst: RKS			Batch: 2149002
ND	20.0	1	11/29/21	11/29/21	
	93.7 %	70-130	11/29/21	11/29/21	
mg/kg	mg/kg	Analy	vst: JL		Batch: 2149006
ND	25.0	1	11/29/21	11/30/21	
ND	50.0	1	11/29/21	11/30/21	
	120 %	50-200	11/29/21	11/30/21	
	120 /0	20200			
mg/kg	120 % mg/kg	Analy	vst: IY		Batch: 2149003
	ND ND ND ND ND ND MD Mg/kg ND	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ### March 10	ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 One of the control o	ND 0.0250 1 11/29/21 ND 0.0500 1 11/29/21 ND 0.0250 1 11/29/21 MD 0.0250 1 11/29/21 99.0 % 70-130 11/29/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/29/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL ND 25.0 1 11/29/21	ND 0.0250 1 11/29/21 11/29/21 ND 0.0500 1 11/29/21 11/29/21 ND 0.0500 1 11/29/21 11/29/21 ND 0.0250 1 11/29/21 11/29/21 ND 0.0250 1 11/29/21 11/29/21 99.0 % 70-130 11/29/21 11/29/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/29/21 11/29/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL ND 25.0 1 11/29/21 11/29/21

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

CS22

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2149002
Benzene	ND	0.0250	1	11/29/21	11/29/21	
Ethylbenzene	ND	0.0250	1	11/29/21	11/29/21	
Toluene	ND	0.0250	1	11/29/21	11/29/21	
o-Xylene	ND	0.0250	1	11/29/21	11/29/21	
p,m-Xylene	ND	0.0500	1	11/29/21	11/29/21	
Total Xylenes	ND	0.0250	1	11/29/21	11/29/21	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/29/21	11/29/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/		Ana	lyst: RKS		Batch: 2149002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	11/29/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/29/21	11/29/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2149006
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
Surrogate: n-Nonane		123 %	50-200	11/29/21	11/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2149003
	71.4	20.0		11/29/21	11/29/21	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Shelby 23 #1 21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

Plains TX, 79355-0247		Project Number: Project Manager:		om Bynum					12/2/2021 2:33:31PM	
Volatile Organics by EPA 8021B										
Analyte		Reporting	Spike	Source	_	Rec	DDD	RPD		
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	NI .	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2149001-BLK1)							Prepared: 1	1/29/21 A	nalyzed: 11/30/21	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130				
LCS (2149001-BS1)							Prepared: 1	1/29/21 A	nalyzed: 11/30/21	
Benzene	4.39	0.0250	5.00		87.8	70-130				
Ethylbenzene	4.78	0.0250	5.00		95.5	70-130				
Toluene	4.78	0.0250	5.00		95.6	70-130				
o-Xylene	4.91	0.0250	5.00		98.2	70-130				
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130				
Total Xylenes	14.6	0.0250	15.0		97.4	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130				
LCS Dup (2149001-BSD1)							Prepared: 1	1/29/21 A	nalyzed: 11/30/21	
Benzene	4.29	0.0250	5.00		85.7	70-130	2.38	20		
Ethylbenzene	4.68	0.0250	5.00		93.7	70-130	1.94	20		
Toluene	4.68	0.0250	5.00		93.5	70-130	2.12	20		
o-Xylene	4.83	0.0250	5.00		96.6	70-130	1.62	20		
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130	1.89	20		
Total Xylenes	14.4	0.0250	15.0		95.7	70-130	1.80	20		

70-130



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Plains TX, 79355-0247									12/2/2021 2:33:31PM
Plains 1A, /9333-024/		Project Manager:	1	om Bynum					12/2/2021 2:55:51FWI
		Volatile O	rganics	by EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2149002-BLK1)						F	Prepared: 1	1/29/21 <i>A</i>	Analyzed: 11/29/21
Paurana /	ND	0.0250							•

Blank (2149002-BLK1)						Prepared: 11	/29/21 Analyzed: 11/29/2
Benzene	ND	0.0250					
Ethylbenzene	ND	0.0250					
Toluene	ND	0.0250					
o-Xylene	ND	0.0250					
p,m-Xylene	ND	0.0500					
Total Xylenes	ND	0.0250					
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00	98.2	70-130		
LCS (2149002-BS1)						Prepared: 11	/29/21 Analyzed: 11/29/2
Benzene	4.42	0.0250	5.00	88.4	70-130		
Ethylbenzene	4.62	0.0250	5.00	92.3	70-130		
Toluene	4.68	0.0250	5.00	93.6	70-130		
o-Xylene	4.75	0.0250	5.00	95.1	70-130		
p,m-Xylene	9.39	0.0500	10.0	93.9	70-130		
Total Xylenes	14.1	0.0250	15.0	94.3	70-130		
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00	100	70-130		
LCS Dup (2149002-BSD1)						Prepared: 11	/29/21 Analyzed: 11/29/2
Benzene	4.51	0.0250	5.00	90.1	70-130	1.89	20
Ethylbenzene	4.71	0.0250	5.00	94.2	70-130	2.07	20
Toluene	4.77	0.0250	5.00	95.4	70-130	1.93	20
	4.84	0.0250	5.00	96.8	70-130	1.83	20
o-Xylene						1.04	20
o-Xylene p,m-Xylene	9.58	0.0500	10.0	95.8	70-130	1.94	20
-		0.0500 0.0250	10.0 15.0	95.8 96.1	70-130 70-130	1.94 1.90	20 20

Pima Environmental Services-CarlsbadProject Name:Shelby 23 #1Reported:PO Box 247Project Number:21064-0001Plains TX, 79355-0247Project Manager:Tom Bynum12/2/2021 2:33:31PM

Nonhalogenated	Organics	by 1	EPA	8015D -	GRO

Analyst: RKS

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

Blank (2149001-BLK1)						Prepared: 1	1/29/21	Analyzed: 11/30/21
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00	94.9	70-130			
LCS (2149001-BS2)						Prepared: 1	1/29/21	Analyzed: 11/30/21
Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00	96.9	70-130			
LCS Dup (2149001-BSD2)						Prepared: 1	1/29/21	Analyzed: 11/30/21
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	103	70-130	4.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00	97.2	70-130			



Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Shelby 23 #1 21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					12/2/2021 2:33:31PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	t
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2149002-BLK1)							Prepared: 1	1/29/21	Analyzed: 11/29/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			
LCS (2149002-BS2)							Prepared: 1	1/29/21	Analyzed: 11/29/21
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			
LCS Dup (2149002-BSD2)							Prepared: 1	1/29/21	Analyzed: 11/29/21
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130	2.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					12/2/2021 2:33:31PN
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2149005-BLK1)							Prepared: 1	1/29/21	Analyzed: 11/29/21
biesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	59.6		50.0		119	50-200			
.CS (2149005-BS1)							Prepared: 1	1/29/21	Analyzed: 11/29/21
riesel Range Organics (C10-C28)	517	25.0	500		103	38-132			
urrogate: n-Nonane	57.7		50.0		115	50-200			
Matrix Spike (2149005-MS1)				Source:	E111144-0)2	Prepared: 1	1/29/21	Analyzed: 11/29/21
viesel Range Organics (C10-C28)	563	25.0	500	ND	113	38-132			
urrogate: n-Nonane	62.9		50.0		126	50-200			
Matrix Spike Dup (2149005-MSD1)				Source:	E111144-0)2	Prepared: 1	1/29/21	Analyzed: 11/29/21
tiesel Range Organics (C10-C28)	549	25.0	500	ND	110	38-132	2.60	20	
urrogate: n-Nonane	57.5		50.0		115	50-200			



Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					12/2/2021 2:33:31PM
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2149006-BLK1)							Prepared: 1	1/29/21 A	Analyzed: 11/29/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.7		50.0		113	50-200			
LCS (2149006-BS1)							Prepared: 1	1/29/21 A	Analyzed: 11/29/21
Diesel Range Organics (C10-C28)	527	25.0	500		105	38-132			
Surrogate: n-Nonane	60.0		50.0		120	50-200			
Matrix Spike (2149006-MS1)				Source:	E111142-1	19	Prepared: 1	1/29/21 A	Analyzed: 11/30/21
Diesel Range Organics (C10-C28)	528	25.0	500	ND	106	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			
Matrix Spike Dup (2149006-MSD1)				Source:	E111142-1	19	Prepared: 1	1/29/21 A	Analyzed: 11/30/21
Diesel Range Organics (C10-C28)	555	25.0	500	ND	111	38-132	4.95	20	
Surrogate: n-Nonane	56.5		50.0		113	50-200			



Chloride

Chloride

Matrix Spike Dup (2149003-MSD1)

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

Plains TX, 79355-0247		Project Manager	r: To	m Bynum				17	2/2/2021 2:33:31PM
		Anions	by EPA 3	00.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2149003-BLK1)							Prepared: 1	1/29/21 Ana	ılyzed: 11/29/21
Chloride	ND	20.0							
LCS (2149003-BS1)							Prepared: 1	1/29/21 Ana	llyzed: 11/29/21
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2149003-MS1)				Source:	E111144-0)1	Prepared: 1	1/29/21 Ana	llyzed: 11/29/21

250

250

20.0

20.0

893

696

696

92.9

78.9

Source: E111144-01

80-120

80-120

3.84

Prepared: 11/29/21 Analyzed: 11/29/21

20

Chloride

Chloride

Matrix Spike Dup (2149004-MSD1)

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		nelby 23 #1 064-0001					Reported:
Plains TX, 79355-0247		Project Manager	: To	om Bynum					12/2/2021 2:33:31PM
		Anions	by EPA 3	00.0/9056	\				Analyst: IY
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2149004-BLK1)							Prepared: 1	1/29/21 At	nalyzed: 11/29/21
Chloride	ND	20.0							•
LCS (2149004-BS1)							Prepared: 1	1/29/21 Ar	nalyzed: 11/29/21
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2149004-MS1)				Source:	E111142-0	1	Prepared: 1	1/29/21 Ar	nalyzed: 11/29/21

250

250

20.0

20.0

ND

ND

104

103

Source: E111142-01

80-120

80-120

0.191

Prepared: 11/29/21 Analyzed: 11/29/21

20

259

258

QC Summary Report Comment:

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



Definitions and Notes

ſ	Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	
ı	PO Box 247	Project Number:	21064-0001	Reported:
l	Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/02/21 14:33

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



ent: 🗜	IMA E	YOUNDY	mento	al		Bill To				La	ab Us	e On	ly					TA	\T		EPA P	rogram
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	lanager:	om 1	Synum	<u> </u>	Add	ress:		EI	1114	12		210										
ldress: y, Stat					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, State, Zip						Analy	sis ar	nd Me	ethod							RCRA
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nail:					<u>Em</u>	III.		801	8015				0		1005				N	IM CO	State UT AZ	TTV
port d	ue by:							O by	O by	8021	3260	010	300.	200	TCEQ				14	X CO	UI AZ	17
Time impled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Numbe	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	тх - тРН (ТСЕQ 1005)						Remarks	
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inquishe	d by: (Signati	ire)	Date	Time		Received by: (Signature)	Date	•	Time				Tem		1	1						



Client:	PIM	19 1	Envire	nme	ntal		Bill To				La	ab U	se Or	nly					TA	T	EPA P	rogram
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Report d	ue by:								yd C	yd C	8021	260	010	300.	200	(TCEQ 1005)				'X	UI AZ	17
Time Sampled		Sampled	Matrix	No. of	Sample	ID		Lab	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	ТХ - ТРН (1					Remarks	
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Addition	al Inst	tructio	ns:																			
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					ueous, O - Ot		arrangements are made. Hazardous	Container														100.12
							this COC. The liability of the laboratory									chent	exper	ise.	ine rep	ort for the analy	sis of the a	ibove



Client:		0	1			Bill To					La	b Us	e Onl	ly					TA	AT .	EPA P	rogram
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Email:					Em	ail:		-1	801	801				0		1005				NIMI CO	State UT AZ	TX
Report d	lue by:								O by	yd C	8021	260	010	300.	200	CEQ				X	OT AZ	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample IC			La Num	ber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	тх - трн (тсеа 1005)					Remarks	
	11/24/21	Soil	1-402		(2521	2	1							+							
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	trix: S - Soil, Sd - S						Conta					- pc	ly/pla	stic,	ag - a							
						arrangements are made. Haz									t the	client	exper	ise.	The rep	port for the anal	ysis of the a	bove
samples is	applicable only	to those sa	imples rece	ived by the	laboratory with	this COC. The liability of the lab	boratory is limited	to the	amo	ount p	aid for	r on t	he rep	ort.								



enviroteche enviroteche

Printed: 12/2/2021 1:16:40PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Change: Plane Environmental Service-Cambod Date Received: 1126721 12:00 Date Legacy Late 112602 (157) 612-097 Date Legacy Late 112602 (157) 612-097 Date Legacy Late 112602 (157) 612-097 Date Desire Collection of Samples per sampling site location match the COC 2 Vest 2 Vest 2 Vest Note: Analysis and a set visions though to the conference of the Edd, Late 1 Institute to the COC administry and a set vision bounds to endeated in the Edd, Late 1 Institute to COC administry and a set vision bounds to endeated in the Edd, Late 1 Institute to COC administry and a set vision bounds to endeated in the Edd, Late 1 Institute to COC administry and a set vision bounds to endeated in the Edd, Late 1 Institute to COC administry and a set vision bound to endeated in the Edd, Late 1 Institute to COC administry and a set vision bound to endeated in the Edd, Late 1 Institute to COC administry and a set vision bound to endeated in the Edd, Late 1 Institute to COC administry and a set vision bound to endeated in the Edd, Late 1 Institute to COC administry and a set vision of the COC administry and a COC administry		no response concerning onese rooms within 2 i nours of the		,	samples will be all	., us reques		
Easal: biologipianoid.com Due Baie: 120321 17/08/4 day TAT)	Client:	Pima Environmental Services-Carlsbad	Date Received:	11/27/21	12:00		Work Order ID:	E111142
Estable (configurabilities) Chain of Custody (COC) 1. Does the sample ID match the COC? 2. Does the match of Samples per surpting side focation match the COC 3. Were samples dropped off by client or carrier? 3. Were samples dropped off by client or carrier? 4. Was the COC complex, i.e., signature, states/threes, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 6. Doll the COC tackines standard TAT, or Expedited TAT? 6. Doll the COC tackines standard TAT, or Expedited TAT? 7. Was a sample cooler received in good condition? 7. Was a sample cooler received in good condition? 8. Were standard preceived intact, i.e., not robotal? 8. If yes, was coeticated on itself type, the received in the flow control of the sample intervention in an trapital of samples are necived with 15 minutes of samples collected in the flow. 8. Intermediate present of the samples of the temperature. Actual sample temperature. 14. Are suppose VOC samples present? 15. Are VOC samples collected in VOC vallyses? 16. Is the hand space losted than 6.8 mm (pas sized or less)? 18. Are non-VOC samples collected in the correct containers? 19. It has a significal for mancher of sample containers collected? 19. Were flow the containers of	Phone:	(575) 631-6977	Date Logged In:	11/24/21	12:16		Logged In By:	Alexa Michaels
1. Does the sample ID match the COC* 3. Were samples deepped off by client or earnier? 4. Was the COC complexe, i.e., signatures, distosition, expected analyses? 5. Were all samples received with his boling time? 6. Were for excellent and the coche of the field, i.e., 19 minute hold from, are not included in this discossion. Sample Turn A round Time (TAD) 6. Did the COC indicate standard TAT, or Expedited TAT? 8. If yes, was conder received in good condition? 9. Were the cantely for excellent in good condition? 9. Were the cantely for excellent in good condition? 10. Were caustody/security seals instea? 11. If yes, were caustody/security seals instea? 12. Was the sample to excellent and if it is included to the field in the sample received in its included to the field in the sample received in the field in the sample received in the field in the fie							<i>50</i> ,	
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Date

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 96104

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	96104
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	4/20/2022