



**SOUTH BOYD FEDERAL COM BATTERY
CLOSURE REPORT**

**API NO. 30-015-44686
RELEASE DATE: 11/26/2019
INCIDENT NO. NRH2003450480
U/L B, SECTION 34, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO**

PREPARED BY:



**#7 COMPRESS ROAD
ARTESIA, NM 88210**

February 16, 2021

State of New Mexico Energy Minerals and Natural Resources Department
Oil Conservation Division – District II
C/O Mike Bratcher, Robert Hamlet, Cristina Eads
811 S. First Street
Artesia, NM 88210

Bureau of Land Management
C/O Jim Amos
620 E. Green Street
Carlsbad, NM 88220

Spur Energy Partners
C/O Braidy Moulder
919 Milam Street Suite 2475
Houston, TX 77002

RE: South Boyd Federal Com Battery
Date of Release: 11/26/2019
API No. 30-015-44686
U/L B, Section 34, Township 19S, Range 25E

To Whom it May Concern:

Spur Energy Partners has retained ESS (Energy Staffing Services) Environmental & Regulatory Division to conduct and address the spill assessment and remediation for the produce water release that occurred at the South Boyd Federal Com Battery (hereafter referred to as “South Boyd”). Hungry Horse provided the notification of the spill to the New Mexico Oil Conservation Division (NMOCD) District 2 and the Bureau of Land Management (BLM), who owns the land, via submission of the initial C141 Release Notification on December 26, 2019. The NMOCD tracking number assigned to this incident is NRM2003450480.

This letter provides a description of the spill assessment and remediation activities, and demonstrates that closure criteria established in 19.15.29.12 *New Mexico Administrative Code (NMAC; New Mexico Oil Conservation Division, 2018)*, have been met and all applicable regulations have been followed. This document is intended to serve as a final report to obtain approval from the NMOCD for closure of this release.

Incident Description

On November 26, 2019 a release occurred at the Spur Energy Partners South Boyd site when a 4" check valve on the manifold for the water transfer pump discharge side, developed a hole due to corrosion. It was observed that approximately 10 barrels (bbls) of produced water was released inside the unlined containment. The leak was repaired and a vacuum truck was dispatched out to recover standing fluids. Approximately 3bbls of produced water was recovered. Immediately following the recovery of the standing fluid, the saturated soil was hand excavated and put on plastic. Although the release that occurred on November 26, 2019 was contained within the boundaries of the engineered pad. No produced water was released into any undisturbed areas or waterways.

Site Characterization

The release at the South Boyd, occurred on federally-owned land, N32.623058, W-104.468394, approximately five miles from Brantley Lake in between Carlsbad and Artesia, New Mexico. The legal description of the site is Unit Letter B, Section 34, Township 19S and Range 25E in Eddy County, New Mexico. This location is within the Permian Basin and has historically been used for oil and gas exploration and production, and rangeland. An aerial photograph and site schematic are included.

The South Boyd complex consists of oil and gas operating equipment, a tank battery and a nearby oil and gas exploration and production well. This well is the closest well to the release and is known as the South Boyd Federal Com #019H, which is the API No. associated with this release. The following sections precisely describe the release area inside the facility area as well as an incidental release on the southeastern corner of the pad as well as the small area in the pasture.

The surrounding landscape is associated with the Reagan-Upton Association, with 0 to 9 percent slopes. Typical elevations average around 3515 feet. The attached soil map and data is attached herein.

There is no surface water located on-site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC is the Brantley Lake which is located approximately 5 miles from the site in question. There are no continuously flowing watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features at the South Boyd, as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

This site has a "high potential" for Karst Geology to be present near the South Boyd site according to the *United States Department of the Interior, Bureau of Land Management*. Please find the karst map attached herein.

The nearest recent groundwater well according to the *New Mexico Office of the State Engineer* is RA 03018 which is located 992' from the site and does not indicate a water depth. Upon researching the OSE Database (map included); RA 03018 sits just outside the ½ mile requirement. Please find the attached groundwater data and mapping attached.

Closure Criteria Determination

Using the Table I, Closure Criteria for Soils impacted by a Release dated 8/14/2018, this site falls under the site ranking of <50'bgs. Please see the below chart for the sampling criteria for this site.

DGW	Constituent	Method	Limit
≤ 50'	Chloride	EPA 300.0 OR SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 METHOD 8015M	100 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	50 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

Soil Sampling Procedures

Soil sampling for laboratory analysis was conducted according to the NMOCD – approved industry standards. Accepted NMOCD soil sampling procedures and laboratory analytical methods are as follows:

- Collect clean samples in air tight glass jars supplied by the laboratory to conduct the analysis
- Each sample jar was labelled with site and sample information
- Samples were kept in and stored in a cool place and packed on ice
- Promptly ship samples to the lab for analysis following the COC (chain of custody) procedures

The following lab analysis method was used for each bottom hole and sidewall samples submitted to Envirotech Analytical Laboratory:

Volatile Organics by EPA 8021B

- Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes

Nonhalogenated Organics by EPA 8015

- Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPH 8015D – DRO/GRO

- Diesel Range Organics (C10-C28)
- Oil Range Organics (C28-C40)

Anions by EPA 300.0/9056A

- Chloride

Delineation and Remedial Activities

Hungry Horse, LLC conducted the delineation and remediation of the South Boyd reportable incident. On November 26, 2019 Hungry Horse was notified of the release and a site assessment was completed. In December of 2019, Hungry Horse, LLC began to delineate the site. The site was delineated by use of hand auger and was field tested in 2' intervals.

Crews began to vertically delineate the site and the samples confirmed with laboratory analysis on the delineation sampling procedure were well below the closure criteria for SP1 thru SP5. SP6 did not reach standard until 6' and SP7 at 8'bgs. SP8 showed chloride concentrations at the surface but cleaned up at 2'bgs. SP9 showed no detection of any concentrations. SP10 and SP11 only showed impact for chlorides at the surface but cleaned up at 2'bgs. Horizontal samples were then placed around the stained area and fully delineated. SW1 thru SW10 showed field testing levels to below the requirements for this site and samples were all submitted at 2'bgs and confirmed with lab analysis. SW11 showed elevated levels of BTEX and TPH.

Another incidental release occurred while delineation was in process, this area was just outside the previously delineated area due to a small flowline leak. Therefore, SP12 thru SP14 were added. SP12 was delineated to 4'bgs and showed elevated chlorides and TPH, SP13 and SP14 was delineated to 5'bgs which also showed elevated chlorides and TPH levels. Auger refusal occurred on both the SP12 and SP14. Below you will find the delineation sample data with confirmed lab analysis:

SP1	SURF	240							
SP1	1'	240							
SP1	2'	160		ND	ND	ND	ND	ND	ND
SP2	SURF	320							
SP2	1'	240							
SP2	2'	160		ND	ND	ND	ND	ND	63.3
SP3	SURF	240							
SP3	2'	160							
SP3	4'	160		ND	ND	ND	ND	ND	54.9

SP4	SURF	400							
SP4	2'	560							
SP4	4'	240		ND	ND	ND	ND	ND	368
SP5	SURF	320							
SP5	2'	320							
SP5	4'	320		ND	41.6	ND	ND	41.6	101
SP6	SURF	4320							
SP6	2'	6240							
SP6	4'	480							
SP6	6'	480		ND	28	ND	ND	28	533
SP7	SURF	13200							
SP7	2'	6400							
SP7	4'	1680							
SP7	6'	480							
SP7	8'	480		ND	50.3	ND	ND	50.3	306
SP8	SURF	4000							
SP8	2'	320							
SP8	4'	400		ND	ND	ND	ND	ND	201
SP9	SURF	480							
SP9	2'	480							
SP9	4'	480		ND	ND	ND	ND	ND	ND
SP10	SURF	6400							
SP10	2'	480							
SP10	4'	320		ND	ND	ND	ND	ND	404
SP11	SURF	16000							
SP11	2'	400							
SP11	4'	240		ND	ND	ND	ND	ND	76
SW1	SURF	320							
SW1	1'	160							
SW1	2'	160		ND	ND	ND	ND	ND	ND

SW2	SURF	320							
SW2	1'	240							
SW2	2'	240		ND	ND	ND	ND	ND	ND
SW3	SURF	240							
SW3	1'	160							
SW3	2'	160		ND	ND	ND	ND	ND	ND
SW4	SURF	240							
SW4	1'	240							
SW4	2'	160		ND	ND	ND	ND	ND	ND
SW5	SURF	240							
SW5	1'	160							
SW5	2'	160		ND	ND	ND	ND	ND	137
SW6	SURF	240							
SW6	1'	160							
SW6	2'	160		ND	ND	ND	ND	ND	ND
SW7	SURF	320							
SW7	1'	400							
SW7	2'	400		ND	ND	ND	ND	ND	325
SW8	SURF	560							
SW8	1'	480							
SW8	2'	400		ND	ND	ND	ND	ND	290
SW9	SURF	320							
SW9	1'	240							
SW9	2'	160		ND	ND	ND	ND	ND	30.2
SW10	SURF	320							
SW10	1'	240							
SW10	2'	160		ND	ND	ND	ND	ND	59
SW11	SURF	320							
SW11	1'	240							
SW11	2'	240		0.303	57	ND	ND	57	21

SP12	SURF	26000							
SP12	1'	1600							
SP12	2'	880							
SP12	3'	480							
SP12	4'	480		1.37	751	251	24.8	1026.8	1210
SP13	SURF	7200							
SP13	1'	1680							
SP13	2'	1600							
SP13	3'	1200							
SP13	4'	560							
SP13	5'	480		0.0265	66.1	ND	ND	66.1	450
SP14	SURF	16000							
SP14	1'	2400							
SP14	2'	2000							
SP14	3'	960							
SP14	4'	400							
SP14	5'	400		0.818	336	77.4	ND	413.4	814

June 1st of 2020 excavation of the site began. The impacted area of the release was hand excavated by use of hand shovel and a backhoe. 53.77 tons of impacted material was hauled to Lea Land Disposal. Please see manifests attached. Only the area that was added due to a flowline release was excavated by Hungry Horse. Five bottom hole composite samples were obtained along with the five horizontal sample points and were submitted to Envirotech Laboratories. Field sample data was not provided by Hungry Horse. Below you will find the lab confirmed composite data. The sample labeled SWE-N 2' should be SWE-S 2'. Please see the attached closure lab sample data and sample maps.

COMPOSITE SAMPLE DATA

SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
BH1				ND	ND	ND	ND	ND	ND
BH2				ND	ND	ND	ND	ND	ND
BH3				ND	ND	ND	ND	ND	ND
BH4				ND	ND	ND	ND	ND	ND
BH5				ND	ND	ND	ND	ND	ND
SWC-N	SURF			ND	102	ND	ND	102	878

SWC-N	1'			ND	ND	ND	ND	ND	ND
SWC-E	SURF			0.0631	30.6	ND	ND	30.6	73.7
SWC-W	2'			ND	ND	ND	ND	ND	ND
SWE-W	1'			ND	ND	ND	ND	ND	23.6
SWE-N	2'			ND	ND	ND	ND	ND	ND

Closure Request

ESS recommends no additional actions are needed to address the release at the South Boyd. Confirmed lab analysis documentation no concern of concentration levels that are above the NMOCD closure criteria for the site. The delineation samples also showed constituent of concern concentrations levels below the strictest closure criteria and are indicative of full horizontal and vertical delineation. There are no anticipated risks to human, ecological or hydrological receptors associated with the release site.

ESS requests that this incident (NRM2003450480) be closed as the remediation and delineation of the site address and closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Spur Energy certifies that all information provided in this report and the attachments are correct, and they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet the NMOCD requirements to obtain closure for the South Boyd Federal Com Battery dated November 26, 2019.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575-390-6397 or natalie@energystaffingllc.com.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

#7 Compress Rd

Artesia, NM 88210

Cell: 575-390-6397

Email: natalie@energystaffingllc.com



Attachments:

Initial C141
Site Map
Initial Site Photos
Soil Data and Map
Karst Map
Groundwater Data
Groundwater Map
OSE Water Map
Delineation Photos
Delineation Sample Map
Sample Data
Lab Analysis
Excavation Map
Manifests
Final Photos
Final C141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NRH2003450480
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude **32.623058**

Longitude **-104.468394**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name SOUTH BOYD FEDERAL COM BATTERY (CLOSEST WELL SOUTH BOYD FED COM #019H)	Site Type OIL & GAS
Date Release Discovered 11-26-2019	API# 30-015-44686

Unit Letter	Section	Township	Range	County
B	34	19S	25E	EDDY

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: **BOTH MINERAL AND SURFACE**)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10BBLS	Volume Recovered (bbls) 3BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

4" CHECK VALVE ON THE MANIFOLD FOR THE WATER TRANSFER PUMP DISCHARGE SIDE, DEVELOPED A HOLE DUE TO CORROSION. A VACUUM TRUCK WAS DISPATCHED OUT TO RECOVER THE STANDING FLUID AND REPAIRS WERE MADE.

Form C-141

State of New Mexico
Oil Conservation Division


Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: THE CHECK VALVE WAS REPLACED ON THE MANIFOLD
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>NATALIE GLADDEN</u> Title: <u>ENVIRONMENTAL AND REGULATORY</u> DIRECTOR Signature:  Date: <u>12/20/19</u> email: <u>NGLADDEN@HUNGRY-HORSE.COM</u> Telephone: <u>575-390-6397</u>
OCD Only Received by: <u>Robert Hamlet</u> Date: <u>2/3/2020</u>

SPUR ENERGY PARTNERS

SOUTH BOYD FED COM BTY
SITE MAP

Legend

 SOUTH BOYD FED COM BTY



SPUR E&P SOUTH BOYD FEDERAL COM BATTERY



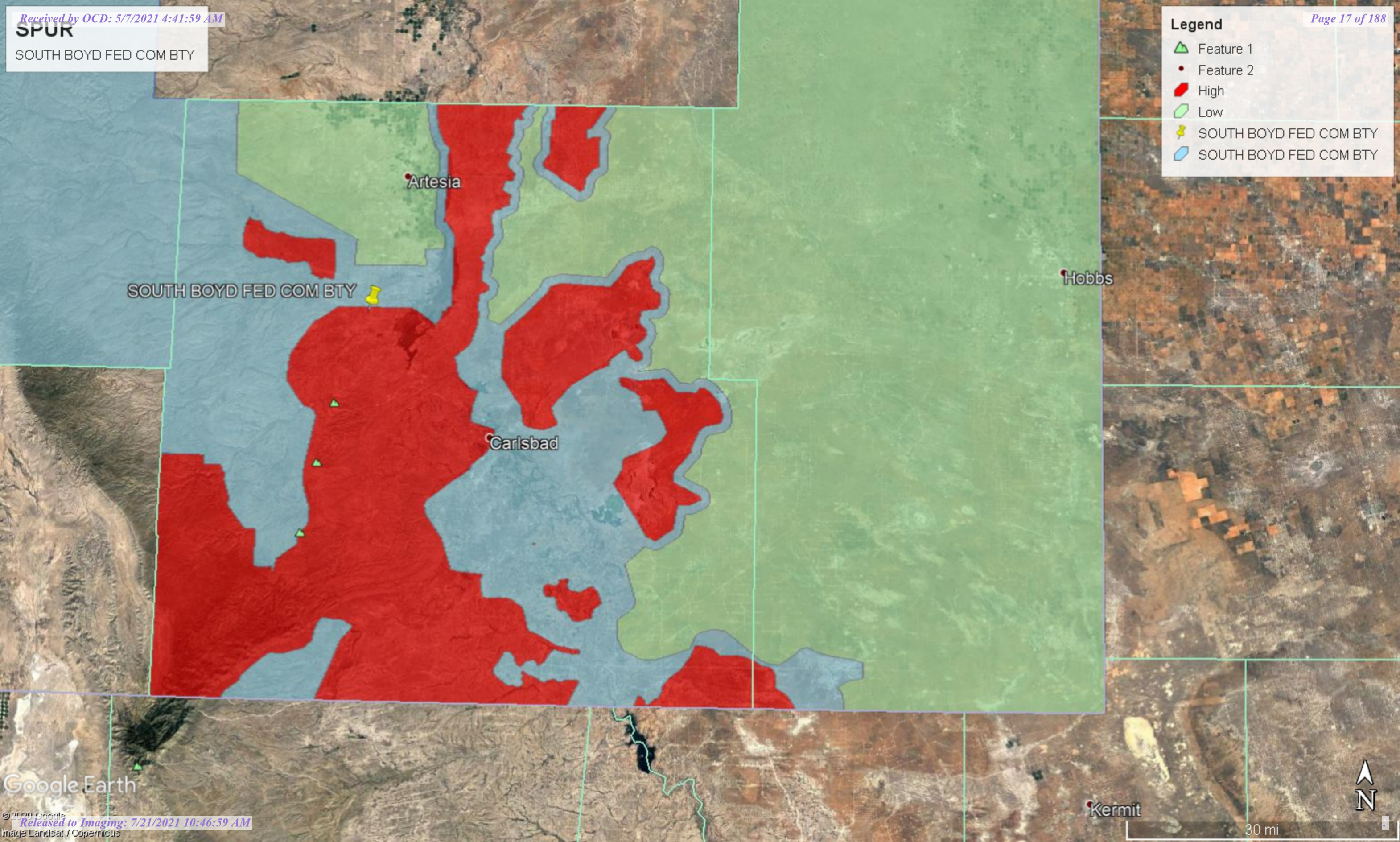




SPUR
SOUTH BOYD FED COM BTY

Legend

- Feature 1
- Feature 2
- High
- Low
- SOUTH BOYD FED COM BTY
- SOUTH BOYD FED COM BTY






New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
	RA 03304	1 27 19S 25E	549081	3610973* 

Driller License: 62**Driller Company:** BEATTY, J.R.**Driller Name:** BEATTY, J.R.**Drill Start Date:** 10/13/1954**Drill Finish Date:** 10/15/1954**Plug Date:****Log File Date:** 11/22/1954**PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 7.00**Depth Well:** 130 feet**Depth Water:** 60 feet**Water Bearing Stratifications:****Top Bottom Description**

90 100 Sandstone/Gravel/Conglomerate

103 118 Sandstone/Gravel/Conglomerate

Casing Perforations:**Top Bottom**

90 118

*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.

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POD SUMMARY - RA 03304



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 02909		1	3	22	19S	25E	548864	3611989*	

Driller License:

Driller Company:

Driller Name: A.F. SMITH

Drill Start Date: 06/26/1952

Drill Finish Date: 07/05/1952

Plug Date:

Log File Date: 08/11/1952

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 8.63

Depth Well: 188 feet

Depth Water: 130 feet

Water Bearing Stratifications:

Top Bottom Description

120 130 Sandstone/Gravel/Conglomerate

*UTM location was derived from PLSS - see Help

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POD SUMMARY - RA 02909




New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
RA 08986		1 3 3	22	19S	25E	548825	3611507 

Driller License: 421	Driller Company: GLENN'S WATER WELL SERVICE
Driller Name: GLENN'S WATER WELL SERVICE	
Drill Start Date: 05/15/1995	Drill Finish Date: 05/15/1995
Log File Date: 05/17/1995	PCW Rcv Date:
Pump Type:	Estimated Yield:
Casing Size:	Depth Well: 320 feet
	Depth Water: 220 feet

Meter Number: 4314	Meter Make: HALLIBURTON
Meter Serial Number: 2ST23206	Meter Multiplier: 1.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Barrels 42 gal.	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Quarterly (No Reading Expected)

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/01/2001	2000	160500	A	PRT		0
03/01/2001	2000	180000	A	RPT		2.513
12/31/2001	2001	180960	A	RPT		0.124
04/01/2002	2002	180960	A	RPT		0
06/30/2002	2002	180960	A	RPT		0
09/30/2002	2002	180960	A	RPT		0
04/01/2003	2003	180960	A	RPT		0
08/15/2003	2003	180960	A	tw		0
09/30/2003	2003	180960	A	tw		0
12/31/2003	2003	180960	A	tw		0
07/01/2004	2004	180960	A	sj		0
10/01/2004	2004	180960	A	sj		0
12/31/2004	2004	180960	A	sj		0
09/30/2005	2005	180960	A	RPT		0

**YTD Meter Amounts:	Year	Amount
	2000	2.513
	2001	0.124
	2002	0
	2003	0

****YTD Meter Amounts: Year Amount**

2004	0
2005	0

Meter Number:	8259	Meter Make:	HALIBURTON
Meter Serial Number:	2 ST 23206	Meter Multiplier:	1.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Barrels 42 gal.	Return Flow Percent:	
Usage Multiplier:	0.00	Reading Frequency:	Quarterly (No Reading Expected)

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
10/01/2004	2004	180960	A	sj		0


****YTD Meter Amounts: Year Amount**

2004	0
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New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 03018	3	2	4	34	19S	25E	549987	3608639* 

Driller License: 46**Driller Company:** ABBOTT BROTHERS COMPANY**Driller Name:** ABBOTT BROS.**Drill Start Date:****Drill Finish Date:** 02/01/1953**Plug Date:****Log File Date:** 08/26/1953**PCW Rcv Date:****Source:****Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 7.00**Depth Well:** 530 feet**Depth Water:**

*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.

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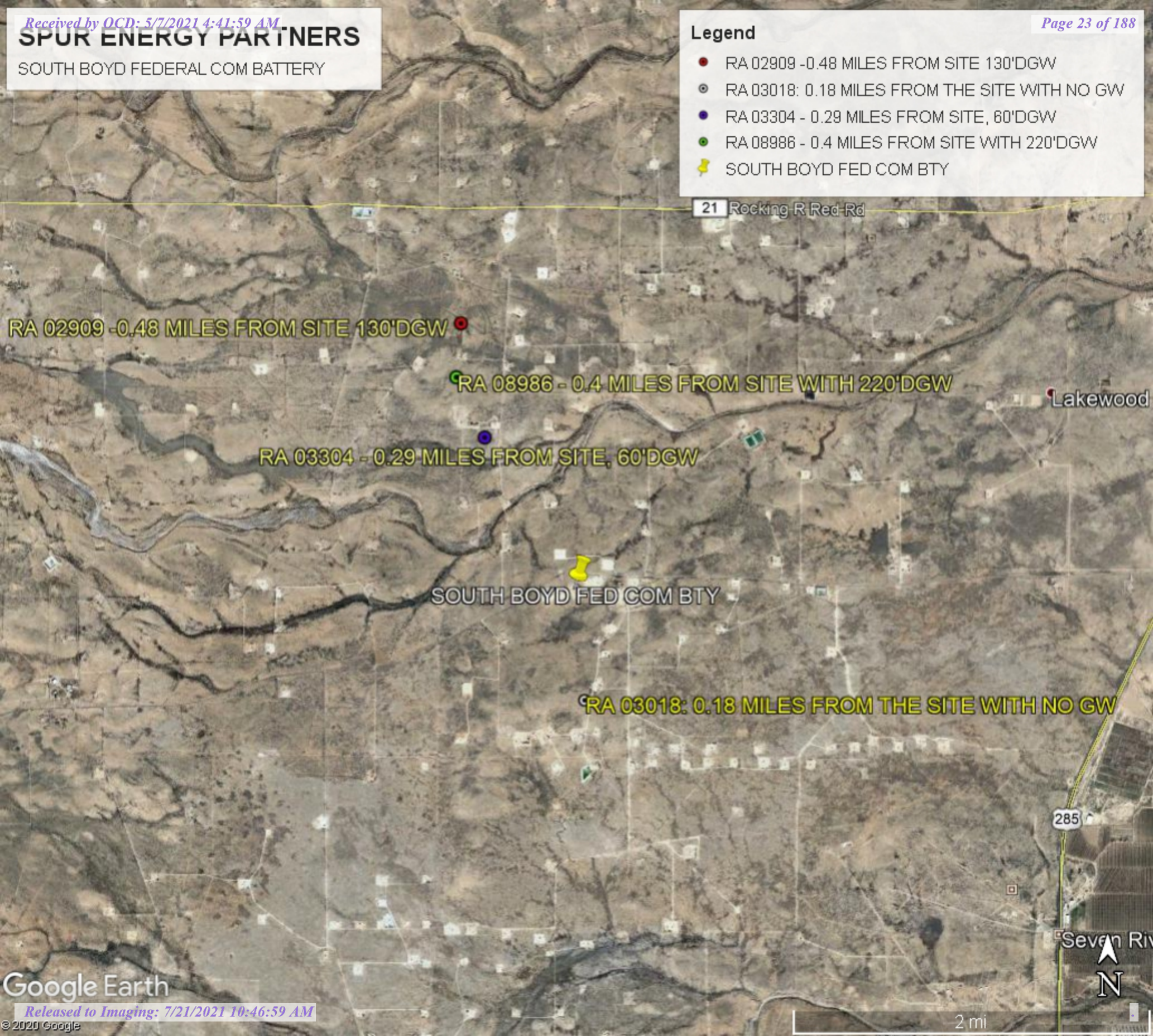
POD SUMMARY - RA 03018

SPUR ENERGY PARTNERS

SOUTH BOYD FEDERAL COM BATTERY

Legend

- RA 02909 - 0.48 MILES FROM SITE 130'DGW
- RA 03018: 0.18 MILES FROM THE SITE WITH NO GW
- RA 03304 - 0.29 MILES FROM SITE, 60'DGW
- RA 08986 - 0.4 MILES FROM SITE WITH 220'DGW
- 📌 SOUTH BOYD FED COM BTY



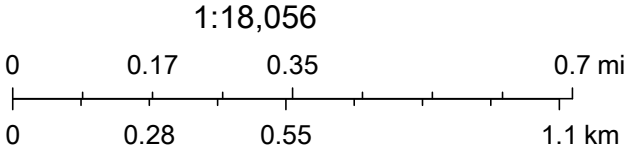
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GIS WATERS PODs

- Active
- Pending
- OSE District Boundary
- New Mexico State Trust Lands
 - Subsurface Estate
 - Both Estates
 - SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

SPUR ENERGY SOUTH BOYD FEDERAL COM BATTERY









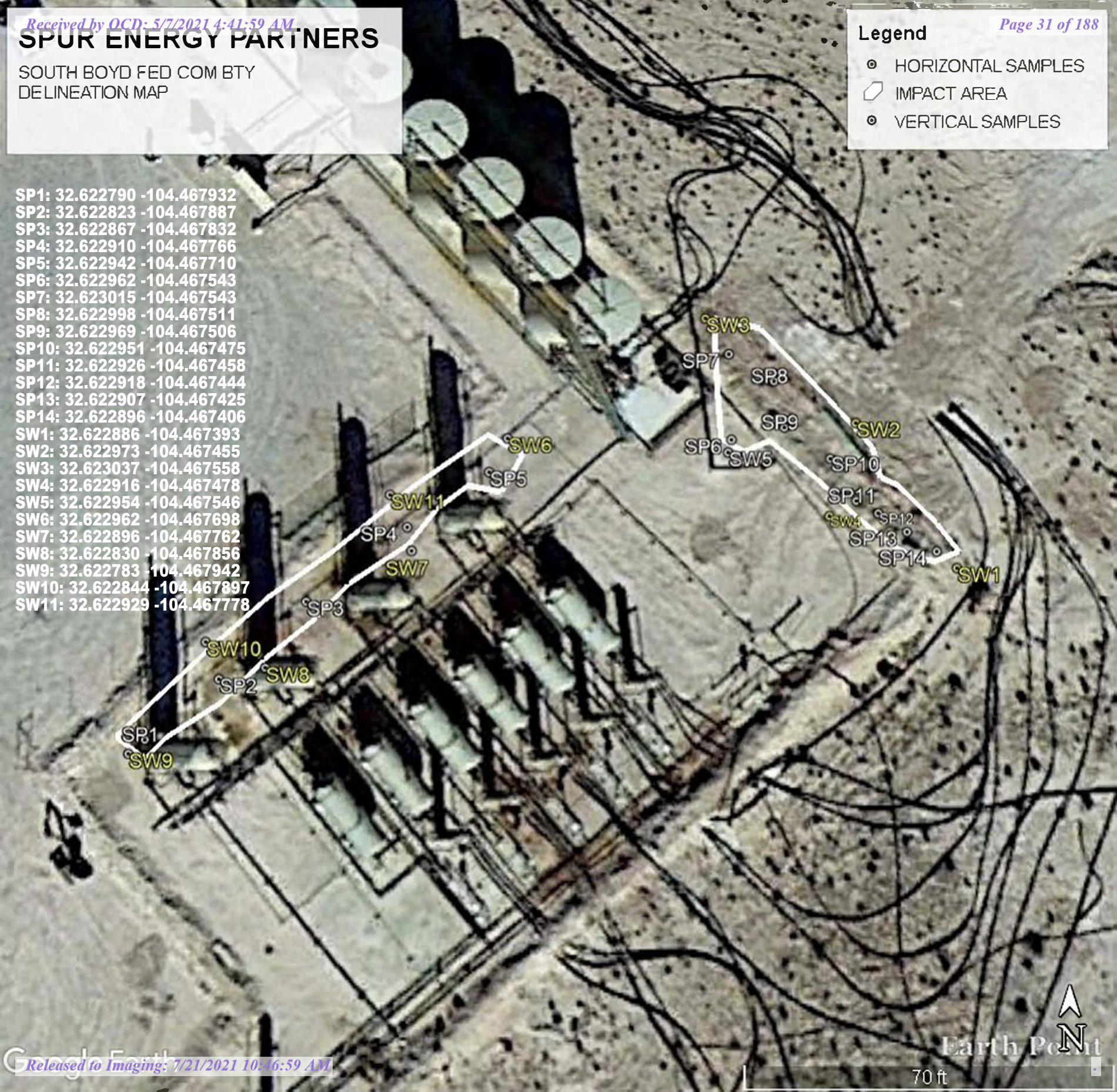




SPUR ENERGY PARTNERSSOUTH BOYD FED COM BTY
DELINEATION MAP**Legend**

- HORIZONTAL SAMPLES
- IMPACT AREA
- VERTICAL SAMPLES

SP1: 32.622790 -104.467932
SP2: 32.622823 -104.467887
SP3: 32.622867 -104.467832
SP4: 32.622910 -104.467766
SP5: 32.622942 -104.467710
SP6: 32.622962 -104.467543
SP7: 32.623015 -104.467543
SP8: 32.622998 -104.467511
SP9: 32.622969 -104.467506
SP10: 32.622951 -104.467475
SP11: 32.622926 -104.467458
SP12: 32.622918 -104.467444
SP13: 32.622907 -104.467425
SP14: 32.622896 -104.467406
SW1: 32.622886 -104.467393
SW2: 32.622973 -104.467455
SW3: 32.623037 -104.467558
SW4: 32.622916 -104.467478
SW5: 32.622954 -104.467546
SW6: 32.622962 -104.467698
SW7: 32.622896 -104.467762
SW8: 32.622830 -104.467856
SW9: 32.622783 -104.467942
SW10: 32.622844 -104.467897
SW11: 32.622929 -104.467778



Company Name:	SPUR ENERGY	Location Name:	SOUTH BOYD 18 BTY	Release Date:	11.26.19
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SP ID	Depth	Tit	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	240									SURFACE ONLY
SP1	1'	240									
SP1	2'	160		ND	ND	ND	ND	ND	ND		
SP2	SURF	320									SURFACE ONLY
SP2	1'	240									
SP2	2'	160		ND	ND	ND	ND	ND	63.3		
SP3	SURF	240									SURFACE ONLY
SP3	2'	160									
SP3	4'	160		ND	ND	ND	ND	ND	54.9		
SP4	SURF	400									SURFACE ONLY
SP4	2'	560									
SP4	4'	240		ND	ND	ND	ND	ND	368		
SP5	SURF	320									SURFACE ONLY
SP5	2'	320									
SP5	4'	320		ND	41.6	ND	ND	41.6	101		
SP6	SURF	4320									SURFACE ONLY
SP6	2'	6240									
SP6	4'	480									
SP6	6'	480		ND	28	ND	ND	28	533		
SP7	SURF	13200									SURFACE ONLY
SP7	2'	6400									
SP7	4'	1680									
SP7	6'	480									
SP7	8'	480		ND	50.3	ND	ND	50.3	306		
SP8	SURF	4000									SURFACE ONLY
SP8	2'	320									

SP8	4'	400		ND	ND	ND	ND	ND	201		
SP9	SURF	480									SURFACE ONLY
SP9	2'	480									
SP9	4'	480		ND	ND	ND	ND	ND	ND		
SP10	SURF	6400									SURFACE ONLY
SP10	2'	480									
SP10	4'	320		ND	ND	ND	ND	ND	404		
SP11	SURF	16000									SURFACE ONLY
SP11	2'	400									
SP11	4'	240		ND	ND	ND	ND	ND	76		
SW1	SURF	320									
SW1	1'	160									
SW1	2'	160		ND	ND	ND	ND	ND	ND		
SW2	SURF	320									
SW2	1'	240									
SW2	2'	240		ND	ND	ND	ND	ND	ND		
SW3	SURF	240									
SW3	1'	160									
SW3	2'	160		ND	ND	ND	ND	ND	ND		
SW4	SURF	240									
SW4	1'	240									
SW4	2'	160		ND	ND	ND	ND	ND	ND		
SW5	SURF	240									
SW5	1'	160									
SW5	2'	160		ND	ND	ND	ND	ND	137		
SW6	SURF	240									
SW6	1'	160									

SW6	2'	160		ND	ND	ND	ND	ND	ND		
SW7	SURF	320									
SW7	1'	400									
SW7	2'	400		ND	ND	ND	ND	ND	325		
SW8	SURF	560									
SW8	1'	480									
SW8	2'	400		ND	ND	ND	ND	ND	290		
SW9	SURF	320									
SW9	1'	240									
SW9	2'	160		ND	ND	ND	ND	ND	30.2		
SW10	SURF	320									
SW10	1'	240									
SW10	2'	160		ND	ND	ND	ND	ND	59		
SW11	SURF	320									
SW11	1'	240									
SW11	2'	240		0.303	57	ND	ND	57	21		
SP12	SURF	26000									SURFACE ONLY
SP12	1'	1600									
SP12	2'	880									
SP12	3'	480									
SP12	4'	480		1.37	751	251	24.8	1026.8	1210		
SP13	SURF	7200									SURFACE ONLY
SP13	1'	1680									
SP13	2'	1600									
SP13	3'	1200									
SP13	4'	560									
SP13	5'	480		0.0265	66.1	ND	ND	66.1	450		

SP14	SURF	16000									SURFACE ONLY
SP14	1'	2400									
SP14	2'	2000									
SP14	3'	960									
SP14	4'	400									
SP14	5'	400		0.818	336	77.4	ND	413.4	814		

COMPOSITE SAMPLE DATA

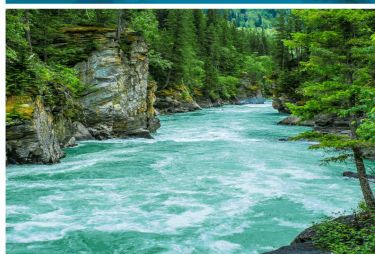
SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL	Soil	Notes
BH1				ND	ND	ND	ND	ND	ND		
BH2				ND	ND	ND	ND	ND	ND		
BH3				ND	ND	ND	ND	ND	ND		
BH4				ND	ND	ND	ND	ND	ND		
BH5				ND	ND	ND	ND	ND	ND		
SWC-N	SURF			ND	102	ND	ND	102	878		
SWC-N	1'			ND	ND	ND	ND	ND	ND		
SWC-E	SURF			0.0631	30.6	ND	ND	30.6	73.7		
SWC-W	2'			ND	ND	ND	ND	ND	ND		
SWE-W	1'			ND	ND	ND	ND	ND	23.6		
SWE-N	2'			ND	ND	ND	ND	ND	ND		

Report to:

Brady Moulder

PO Box 1058

Hobbs, NM 88240



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006023

Job Number: 19054-0003

Received: 6/9/2020

Revision: 2

Report Reviewed By:

Walter Hinchman

Walter Hinchman

Laboratory Director

9/18/20

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/18/20

Brady Moulder
PO Box 1058
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery
Workorder: P006023
Date Received: 6/9/2020 10:00:00AM

Brady Moulder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2020 10:00:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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 regarding 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
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Sample Summary

Spur	Project Name:	South Boyd Federal Com Battery	Reported: 09/18/20 12:50
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWC-N	P006023-01A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWC-E	P006023-02A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWC-W-2'	P006023-03A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWE-W-1'	P006023-04A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWE-N-2'	P006023-05A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.



Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	Reported: 9/18/2020 12:50:19PM
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SWC-N

P006023-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	50-150		06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	102	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
Surrogate: n-Nonane	79.0 %	50-200		06/09/20	06/09/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	878	20.0	1	06/09/20	06/09/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	102	20.0		06/09/20	06/09/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Brady Moulder

Reported:
9/18/2020 12:50:19PM

SWC-E

P006023-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	0.0379	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	0.0252	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	30.6	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		87.4 %	50-200	06/09/20	06/09/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	73.7	20.0	1	06/09/20	06/09/20	
Totals	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	0.0631	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	30.6	20.0		06/09/20	06/09/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Brady Moulder

Reported:
9/18/2020 12:50:19PM

SWC-W-2'

P006023-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>						
		92.1 %	50-200	06/09/20	06/09/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	ND	20.0	1	06/09/20	06/09/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Brady Moulder

Reported:
9/18/2020 12:50:19PM

SWE-W-1'

P006023-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
Surrogate: 4-Bromochlorobenzene-PID	105 %	50-150		06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	50-150		06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
Surrogate: n-Nonane	92.4 %	50-200		06/09/20	06/09/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	23.6	20.0	1	06/09/20	06/09/20	
Totals	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Brady Moulder

Reported:
9/18/2020 12:50:19PM

SWE-N-2'

P006023-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>						
		91.9 %	50-200	06/09/20	06/09/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	ND	20.0	1	06/09/20	06/09/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:50:19PM

Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024004-BLK1)

Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	50-150			

LCS (2024004-BS1)

Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.52		8.00		107	50-150			

Matrix Spike (2024004-MS1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.15	0.0250	5.00	ND	103	54.3-133			
Toluene	5.16	0.0250	5.00	ND	103	61.4-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.14	0.0250	5.00	ND	103	63.3-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	50-150			

Matrix Spike Dup (2024004-MSD1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.14	0.0250	5.00	ND	103	54.3-133	0.0797	20	
Toluene	5.12	0.0250	5.00	ND	102	61.4-130	0.765	20	
Ethylbenzene	5.10	0.0250	5.00	ND	102	61.4-133	0.769	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63.3-131	0.817	20	
o-Xylene	5.11	0.0250	5.00	ND	102	63.3-131	0.741	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	0-200	0.792	200	
Surrogate: 4-Bromochlorobenzene-PID	8.48		8.00		106	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:50:19PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024004-BLK1)

Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			

LCS (2024004-BS2)

Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	50-150			

Matrix Spike (2024004-MS2)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	50-150			

Matrix Spike Dup (2024004-MSD2)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	0.745	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:50:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024006-BLK1)

Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			

LCS (2024006-BS1)

Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	451	25.0	500		90.1	38-132			
Surrogate: n-Nonane	48.8		50.0		97.7	50-200			

Matrix Spike (2024006-MS1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	539	25.0	500	102	87.4	38-132			
Surrogate: n-Nonane	41.6		50.0		83.3	50-200			

Matrix Spike Dup (2024006-MSD1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	535	25.0	500	102	86.7	38-132	0.716	20	
Surrogate: n-Nonane	45.2		50.0		90.4	50-200			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:50:19PM

Anions by EPA 300.0/9056A

Analyst: NE

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

Blank (2024005-BLK1)					Prepared: 06/09/20 Analyzed: 06/09/20				
Chloride	ND	20.0							
LCS (2024005-BS1)					Prepared: 06/09/20 Analyzed: 06/09/20				
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2024005-MS1)					Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20				
Chloride	1020	20.0	250	878	57.3	80-120			M2
Matrix Spike Dup (2024005-MSD1)					Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20				
Chloride	1120	20.0	250	878	98.5	80-120	9.62	20	

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.



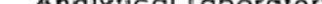
Definitions and Notes

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:50

- 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

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

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

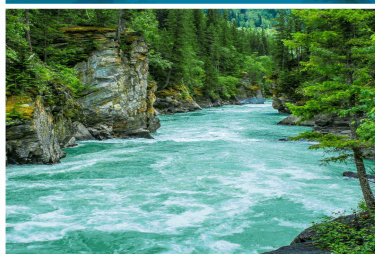

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 24 Hour Emergency Response Phone: (800) 362-1879 labadmin@envirotech-inc.com

Report to:

Brady Moulder

PO Box 1058

Hobbs, NM 88240



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006044

Job Number: 19054-0003

Received: 6/12/2020

Revision: 2

Report Reviewed By:

Walter Hinchman

Walter Hinchman

Laboratory Director

9/18/20

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
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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 NM009792018-1 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 9/18/20

Brady Moulder
PO Box 1058
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery
Workorder: P006044
Date Received: 6/12/2020 9:45:00AM

Brady Moulder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2020 9:45:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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 regarding 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
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Sample Summary

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWC-N-1'	P006044-01A	Soil	06/11/20	06/12/20	Glass Jar, 4 oz.



Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	Reported: 9/18/2020 12:51:04PM
--	--	--

SWC-N-1'

P006044-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2024026	
Benzene	ND	0.0250	1	06/12/20	06/12/20	
Toluene	ND	0.0250	1	06/12/20	06/12/20	
Ethylbenzene	ND	0.0250	1	06/12/20	06/12/20	
p,m-Xylene	ND	0.0500	1	06/12/20	06/12/20	
o-Xylene	ND	0.0250	1	06/12/20	06/12/20	
Total Xylenes	ND	0.0250	1	06/12/20	06/12/20	
Surrogate: 4-Bromochlorobenzene-PID	105 %	50-150		06/12/20	06/12/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2024026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/20	06/12/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	50-150		06/12/20	06/12/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2024027	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/20	06/12/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/12/20	06/12/20	
Surrogate: n-Nonane	101 %	50-200		06/12/20	06/12/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2024025	
Chloride	ND	20.0	1	06/12/20	06/12/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/12/20	06/12/20	
Total BTEX	ND	0.0250		06/12/20	06/12/20	
Total TPH (C6-C40)	ND	20.0		06/12/20	06/12/20	



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:51:04PM

Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024026-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	50-150			

LCS (2024026-BS1)

Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.23	0.0250	5.00		105	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	50-150			

Matrix Spike (2024026-MS1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.12	0.0250	5.00	ND	102	54.3-133			
Toluene	5.10	0.0250	5.00	ND	102	61.4-130			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61.4-133			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63.3-131			
o-Xylene	5.07	0.0250	5.00	ND	101	63.3-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	50-150			

Matrix Spike Dup (2024026-MSD1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.05	0.0250	5.00	ND	101	54.3-133	1.37	20	
Toluene	5.02	0.0250	5.00	ND	100	61.4-130	1.55	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61.4-133	1.44	20	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63.3-131	1.38	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63.3-131	1.21	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	0-200	1.32	200	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:51:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024026-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.4	50-150			

LCS (2024026-BS2)

Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	50-150			

Matrix Spike (2024026-MS2)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	50-150			

Matrix Spike Dup (2024026-MSD2)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130	0.613	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:51:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024027-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	50-200			

LCS (2024027-BS1)

Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	444	25.0	500		88.7	38-132			
Surrogate: n-Nonane	47.6		50.0		95.3	50-200			

Matrix Spike (2024027-MS1)

Source: P006045-01 Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	474	25.0	500	ND	94.8	38-132			
Surrogate: n-Nonane	47.1		50.0		94.1	50-200			

Matrix Spike Dup (2024027-MSD1)

Source: P006045-01 Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	482	25.0	500	ND	96.4	38-132	1.64	20	
Surrogate: n-Nonane	47.3		50.0		94.6	50-200			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:51:04PM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024025-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Chloride ND 20.0

LCS (2024025-BS1)

Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 248 20.0 250 99.2 90-110

Matrix Spike (2024025-MS1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 265 20.0 250 ND 106 80-120

Matrix Spike Dup (2024025-MSD1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 262 20.0 250 ND 105 80-120 1.06 20

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

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:51

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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



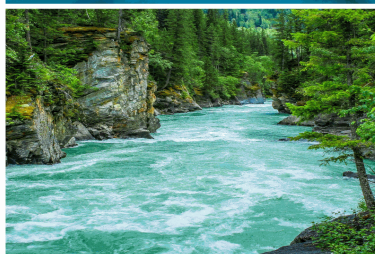

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 24 Hour Emergency Response Phone: (800) 362-1879

Report to:

Eddie Gayton

PO Box 1058

Hobbs, NM 88240



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006052

Job Number: 19054-0003

Received: 6/16/2020

Revision: 2

Report Reviewed By:

Walter Hinchman

Walter Hinchman

Laboratory Director

9/18/20

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/18/20

Eddie Gayton
PO Box 1058
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery
Workorder: P006052
Date Received: 6/16/2020 9:30:00AM

Eddie Gayton,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2020 9:30:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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 regarding 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
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Raina Lopez
Laboratory Administrator
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Sample Summary

Spur	Project Name:	South Boyd Federal Com Battery	Reported: 09/18/20 12:51
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-1	P006052-01A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-2	P006052-02A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-3	P006052-03A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-4	P006052-04A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-5	P006052-05A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.



Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	Reported: 9/18/2020 12:51:42PM
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BH-1

P006052-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
Surrogate: 4-Bromochlorobenzene-PID	106 %	50-150		06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.5 %	50-150		06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
Surrogate: n-Nonane	96.2 %	50-200		06/15/20	06/16/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Eddie Gayton

Reported:
9/18/2020 12:51:42PM

BH-2

P006052-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.7 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	06/15/20	06/16/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Eddie Gayton

Reported:
9/18/2020 12:51:42PM

BH-3

P006052-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>		99.6 %	50-200	06/15/20	06/16/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals		mg/kg	mg/kg			
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Eddie Gayton

Reported:
9/18/2020 12:51:42PM

BH-4

P006052-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	06/15/20	06/16/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Eddie Gayton

Reported:
9/18/2020 12:51:42PM

BH-5

P006052-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	06/15/20	06/16/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	9/18/2020 12:51:42PM

Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2025002-BLK1)

Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.49		8.00		106	50-150			

LCS (2025002-BS1)

Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.63		8.00		108	50-150			

Matrix Spike (2025002-MS1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	5.20	0.0250	5.00	ND	104	54.3-133			
Toluene	5.19	0.0250	5.00	ND	104	61.4-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.19	0.0250	5.00	ND	104	63.3-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.77		8.00		110	50-150			

Matrix Spike Dup (2025002-MSD1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	4.77	0.0250	5.00	ND	95.3	54.3-133	8.67	20	
Toluene	4.73	0.0250	5.00	ND	94.6	61.4-130	9.30	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61.4-133	9.18	20	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63.3-131	9.19	20	
o-Xylene	4.73	0.0250	5.00	ND	94.7	63.3-131	9.23	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.3	0-200	9.20	200	
Surrogate: 4-Bromochlorobenzene-PID	8.71		8.00		109	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	9/18/2020 12:51:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2025002-BLK1)

Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	50-150			

LCS (2025002-BS2)

Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	50-150			

Matrix Spike (2025002-MS2)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	50-150			

Matrix Spike Dup (2025002-MSD2)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	0.802	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	9/18/2020 12:51:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2025007-BLK1)

Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	56.9		50.0		114	50-200			

LCS (2025007-BS1)

Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	442	25.0	500		88.4	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike (2025007-MS1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	7930	500	500	7770	31.0	38-132			M4
Surrogate: n-Nonane	56.4		50.0		113	50-200			

Matrix Spike Dup (2025007-MSD1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	8050	500	500	7770	56.3	38-132	1.58	20	M4
Surrogate: n-Nonane	56.6		50.0		113	50-200			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	9/18/2020 12:51:42PM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2025010-BLK1)

Prepared: 06/16/20 Analyzed: 06/16/20

Chloride ND 20.0

LCS (2025010-BS1)

Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 253 20.0 250 101 90-110

Matrix Spike (2025010-MS1)

Source: P006046-01 Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 1970 40.0 250 1660 124 80-120 M2

Matrix Spike Dup (2025010-MSD1)

Source: P006046-01 Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 1770 40.0 250 1660 43.5 80-120 10.8 20 M2

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

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Eddie Gayton	09/18/20 12:51

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference

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

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




 5796 US Highway 64, Farmington, NM 87401
 24 Hour Emergency Response Phone: (800) 362-1879
 Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com



Analytical Report

Report Summary

Client: Spur

Samples Received: 1/2/2020

Job Number: 19054-0003

Work Order: P001005

Project Name/Location: South Boyd 18

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 1/3/20

Walter Hinchman, Laboratory Director



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Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



Spur	Project Name:	South Boyd 18	Reported: 01/03/20 11:59
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 12-4'	P001005-01A	Soil	12/30/19	01/02/20	Glass Jar, 4 oz.
SP 13-5'	P001005-02A	Soil	12/30/19	01/02/20	Glass Jar, 4 oz.
SP 14-5'	P001005-03A	Soil	12/30/19	01/02/20	Glass Jar, 4 oz.

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	01/03/20 11:59

SP 12-4'
P001005-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Toluene	0.188	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Ethylbenzene	0.678	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
p,m-Xylene	0.915	0.0500	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
o-Xylene	0.459	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Total Xylenes	1.37	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.3 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Toluene-d8		102 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Bromofluorobenzene		98.2 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	751	25.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Oil Range Organics (C28-C40)	251	50.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Surrogate: n-Nonane		111 %		50-200	2001001	01/02/20	01/02/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	24.8	20.0	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.3 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Toluene-d8		102 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Bromofluorobenzene		98.2 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1210	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	01/03/20 11:59

SP 13-5'
P001005-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Ethylbenzene	0.0305	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
o-Xylene	0.0265	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Total Xylenes	0.0265	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.1 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Toluene-d8		101 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Bromofluorobenzene		98.9 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	66.1	25.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Surrogate: n-Nonane		88.8 %		50-200	2001001	01/02/20	01/02/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.1 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Toluene-d8		101 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Bromofluorobenzene		98.9 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	450	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	01/03/20 11:59

SP 14-5'
P001005-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Toluene	0.0585	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Ethylbenzene	0.365	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
p,m-Xylene	0.533	0.0500	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
o-Xylene	0.285	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Total Xylenes	0.818	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Toluene-d8		99.7 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Bromofluorobenzene		99.1 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	336	25.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Oil Range Organics (C28-C40)	77.4	50.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Surrogate: n-Nonane		85.8 %		50-200	2001001	01/02/20	01/02/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Toluene-d8		99.7 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Bromofluorobenzene		99.1 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	814	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	Reported: 01/03/20 11:59
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001003 - Purge and Trap EPA 5030A

Blank (2001003-BLK1)

Prepared & Analyzed: 01/02/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	0.492		"	0.500		98.4	70-130			
Surrogate: Toluene-d8	0.508		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.470		"	0.500		93.9	70-130			

LCS (2001003-BS1)

Prepared & Analyzed: 01/02/20 1

Benzene	2.40	0.0250	mg/kg	2.50		96.0	70-130			
Toluene	2.47	0.0250	"	2.50		98.8	70-130			
Ethylbenzene	2.56	0.0250	"	2.50		103	70-130			
p,m-Xylene	4.95	0.0500	"	5.00		99.0	70-130			
o-Xylene	2.48	0.0250	"	2.50		99.1	70-130			
Total Xylenes	7.43	0.0250	"	7.50		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.514		"	0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.503		"	0.500		101	70-130			

Matrix Spike (2001003-MS1)

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Benzene	2.40	0.0250	mg/kg	2.50	ND	95.8	48-131			
Toluene	2.63	0.0250	"	2.50	0.188	97.6	48-130			
Ethylbenzene	3.47	0.0250	"	2.50	0.678	112	45-135			
p,m-Xylene	6.20	0.0500	"	5.00	0.915	106	43-135			
o-Xylene	3.09	0.0250	"	2.50	0.459	105	43-135			
Total Xylenes	9.30	0.0250	"	7.50	1.37	106	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.500		"	0.500		99.9	70-130			
Surrogate: Toluene-d8	0.502		"	0.500		100	70-130			
Surrogate: Bromofluorobenzene	0.515		"	0.500		103	70-130			

Matrix Spike Dup (2001003-MSD1)

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Benzene	2.40	0.0250	mg/kg	2.50	ND	96.1	48-131	0.333	23	
Toluene	3.10	0.0250	"	2.50	0.188	117	48-130	16.5	24	
Ethylbenzene	5.22	0.0250	"	2.50	0.678	182	45-135	40.2	27	M2, R3
p,m-Xylene	8.58	0.0500	"	5.00	0.915	153	43-135	32.1	27	M2, R3
o-Xylene	4.19	0.0250	"	2.50	0.459	149	43-135	30.0	27	M2, R3
Total Xylenes	12.8	0.0250	"	7.50	1.37	152	43-135	31.4	27	M2, R3
Surrogate: 1,2-Dichloroethane-d4	0.500		"	0.500		100	70-130			
Surrogate: Toluene-d8	0.509		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.515		"	0.500		103	70-130			

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	01/03/20 11:59

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001001 - DRO Extraction EPA 3570

Blank (2001001-BLK1)

Prepared: 01/02/20 0 Analyzed: 01/02/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	46.5		"	50.0		93.0	50-200			

LCS (2001001-BS1)

Prepared: 01/02/20 0 Analyzed: 01/02/20 1

Diesel Range Organics (C10-C28)	442	25.0	mg/kg	500		88.5	38-132			
Surrogate: n-Nonane	46.5		"	50.0		92.9	50-200			

Matrix Spike (2001001-MS1)

Source: P001005-01

Prepared: 01/02/20 0 Analyzed: 01/02/20 1

Diesel Range Organics (C10-C28)	1150	25.0	mg/kg	500	751	79.4	38-132			
Surrogate: n-Nonane	60.3		"	50.0		121	50-200			

Matrix Spike Dup (2001001-MSD1)

Source: P001005-01

Prepared: 01/02/20 0 Analyzed: 01/02/20 1

Diesel Range Organics (C10-C28)	1140	25.0	mg/kg	500	751	77.8	38-132	0.668	20	
Surrogate: n-Nonane	57.9		"	50.0		116	50-200			

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	01/03/20 11:59

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001003 - Purge and Trap EPA 5030A

Blank (2001003-BLK1)

Prepared & Analyzed: 01/02/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.492		"	0.500		98.4	70-130			
Surrogate: Toluene-d8	0.508		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.470		"	0.500		93.9	70-130			

LCS (2001003-BS2)

Prepared & Analyzed: 01/02/20 1

Gasoline Range Organics (C6-C10)	59.3	20.0	mg/kg	50.0		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		"	0.500		97.9	70-130			
Surrogate: Toluene-d8	0.512		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.481		"	0.500		96.1	70-130			

Matrix Spike (2001003-MS2)

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Gasoline Range Organics (C6-C10)	94.3	20.0	mg/kg	50.0	24.8	139	70-130			M2
Surrogate: 1,2-Dichloroethane-d4	0.486		"	0.500		97.2	70-130			
Surrogate: Toluene-d8	0.514		"	0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.511		"	0.500		102	70-130			

Matrix Spike Dup (2001003-MSD2)

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Gasoline Range Organics (C6-C10)	136	20.0	mg/kg	50.0	24.8	223	70-130	36.4	20	M2, R3
Surrogate: 1,2-Dichloroethane-d4	0.505		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.512		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.516		"	0.500		103	70-130			

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	01/03/20 11:59

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001002 - Anion Extraction EPA 300.0/9056A**Blank (2001002-BLK1)**

Prepared & Analyzed: 01/02/20 1

Chloride ND 20.0 mg/kg

LCS (2001002-BS1)

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride 254 20.0 mg/kg 250 102 90-110

Matrix Spike (2001002-MS1)**Source: P001005-01**

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride 1560 20.0 mg/kg 250 1210 140 80-120 M2

Matrix Spike Dup (2001002-MSD1)**Source: P001005-01**

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride 1500 20.0 mg/kg 250 1210 115 80-120 4.22 20

QC Summary Report**Comment:**

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

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	01/03/20 11:59

Notes and Definitions

- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- ** Methods marked with ** are non-accredited methods.

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

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labadmin@envirotech-inc.com



Analytical Report

Report Summary

Client: Spur

Samples Received: 12/31/2019

Job Number: 19054-0003

Work Order: P912081

Project Name/Location: South Boyd 18 BTY

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 1/3/20

Walter Hinchman, Laboratory Director



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



Spur	Project Name:	South Boyd 18 BTY	Reported: 01/03/20 11:56
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1-2'	P912081-01A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP2-2'	P912081-02A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP3-4'	P912081-03A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP4-4'	P912081-04A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP5-4'	P912081-05A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP7-8'	P912081-06A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP8-4'	P912081-07A	Soil	12/26/19	12/31/19	Glass Jar, 4 oz.
SP9-4'	P912081-08A	Soil	12/26/19	12/31/19	Glass Jar, 4 oz.
SP10-4'	P912081-09A	Soil	12/26/19	12/31/19	Glass Jar, 4 oz.
SP11-4'	P912081-10A	Soil	12/26/19	12/31/19	Glass Jar, 4 oz.
SP6-6'	P912081-11A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.

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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP1-2'
P912081-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		94.2 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP2-2'
P912081-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		96.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		93.8 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		96.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	63.3	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP3-4'
P912081-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		102 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		94.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		92.5 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		102 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		94.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	54.9	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP4-4'
P912081-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		95.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		95.9 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		95.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	368	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP5-4'
P912081-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		93.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		99.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		94.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	41.6	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		93.2 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		93.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		99.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		94.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	101	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP7-8'
P912081-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		103 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		97.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	50.3	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		92.2 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		103 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		97.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	306	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP8-4'
P912081-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		102 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		94.7 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		102 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	201	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP9-4'
P912081-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		99.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		93.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		95.6 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		99.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		93.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP10-4'
P912081-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		92.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		93.5 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		92.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	404	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP11-4'
P912081-10 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		97.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		92.1 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		97.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	76.0	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

SP6-6'
P912081-11 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		99.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	28.0	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		96.1 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		99.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	533	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18 BTY	Reported: 01/03/20 11:56
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953010 - Purge and Trap EPA 5030A

Blank (1953010-BLK1)

Prepared & Analyzed: 12/31/19 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	0.469		"	0.500		93.7	70-130			
Surrogate: Toluene-d8	0.511		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.483		"	0.500		96.5	70-130			

LCS (1953010-BS1)

Prepared & Analyzed: 12/31/19 1

Benzene	2.23	0.0250	mg/kg	2.50		89.2	70-130			
Toluene	2.23	0.0250	"	2.50		89.1	70-130			
Ethylbenzene	2.33	0.0250	"	2.50		93.3	70-130			
p,m-Xylene	4.51	0.0500	"	5.00		90.1	70-130			
o-Xylene	2.23	0.0250	"	2.50		89.2	70-130			
Total Xylenes	6.74	0.0250	"	7.50		89.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		"	0.500		98.0	70-130			
Surrogate: Toluene-d8	0.499		"	0.500		99.8	70-130			
Surrogate: Bromofluorobenzene	0.500		"	0.500		99.9	70-130			

Matrix Spike (1953010-MS1)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Benzene	2.17	0.0250	mg/kg	2.50	ND	86.6	48-131			
Toluene	2.17	0.0250	"	2.50	ND	86.7	48-130			
Ethylbenzene	2.27	0.0250	"	2.50	ND	90.7	45-135			
p,m-Xylene	4.38	0.0500	"	5.00	ND	87.5	43-135			
o-Xylene	2.18	0.0250	"	2.50	ND	87.2	43-135			
Total Xylenes	6.56	0.0250	"	7.50	ND	87.4	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.487		"	0.500		97.4	70-130			
Surrogate: Toluene-d8	0.504		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.500		"	0.500		99.9	70-130			

Matrix Spike Dup (1953010-MSD1)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Benzene	2.37	0.0250	mg/kg	2.50	ND	94.7	48-131	8.87	23	
Toluene	2.37	0.0250	"	2.50	ND	94.7	48-130	8.82	24	
Ethylbenzene	2.49	0.0250	"	2.50	ND	99.8	45-135	9.56	27	
p,m-Xylene	4.79	0.0500	"	5.00	ND	95.7	43-135	8.93	27	
o-Xylene	2.38	0.0250	"	2.50	ND	95.4	43-135	8.98	27	
Total Xylenes	7.17	0.0250	"	7.50	ND	95.6	43-135	8.95	27	
Surrogate: 1,2-Dichloroethane-d4	0.500		"	0.500		99.9	70-130			
Surrogate: Toluene-d8	0.504		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.500		"	0.500		100	70-130			

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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953012 - DRO Extraction EPA 3570

Blank (1953012-BLK1)

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	48.7		"	50.0		97.3	50-200			

LCS (1953012-BS1)

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	470	25.0	mg/kg	500		94.0	38-132			
Surrogate: n-Nonane	47.8		"	50.0		95.6	50-200			

Matrix Spike (1953012-MS1)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	484	25.0	mg/kg	500	ND	96.8	38-132			
Surrogate: n-Nonane	48.5		"	50.0		97.0	50-200			

Matrix Spike Dup (1953012-MSD1)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	490	25.0	mg/kg	500	ND	98.0	38-132	1.18	20	
Surrogate: n-Nonane	49.4		"	50.0		98.7	50-200			

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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953010 - Purge and Trap EPA 5030A

Blank (1953010-BLK1)

Prepared & Analyzed: 12/31/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.469		"	0.500		93.7	70-130			
Surrogate: Toluene-d8	0.511		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.483		"	0.500		96.5	70-130			

LCS (1953010-BS2)

Prepared & Analyzed: 12/31/19 1

Gasoline Range Organics (C6-C10)	55.5	20.0	mg/kg	50.0		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		"	0.500		99.8	70-130			
Surrogate: Toluene-d8	0.514		"	0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.485		"	0.500		97.0	70-130			

Matrix Spike (1953010-MS2)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Gasoline Range Organics (C6-C10)	60.9	20.0	mg/kg	50.0	ND	122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		"	0.500		96.8	70-130			
Surrogate: Toluene-d8	0.505		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.500		"	0.500		99.9	70-130			

Matrix Spike Dup (1953010-MSD2)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Gasoline Range Organics (C6-C10)	51.8	20.0	mg/kg	50.0	ND	104	70-130	16.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.498		"	0.500		99.5	70-130			
Surrogate: Toluene-d8	0.507		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.491		"	0.500		98.1	70-130			

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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953014 - Anion Extraction EPA 300.0/9056A**Blank (1953014-BLK1)**

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	ND	20.0	mg/kg							
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LCS (1953014-BS1)

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	251	20.0	mg/kg	250		100	90-110			
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Matrix Spike (1953014-MS1)**Source: P912078-01**

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	338	20.0	mg/kg	250	57.5	112	80-120			
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Matrix Spike Dup (1953014-MSD1)**Source: P912078-01**

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	341	20.0	mg/kg	250	57.5	114	80-120	1.06	20	
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QC Summary Report**Comment:**

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

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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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Client: Spur
 Project: South Bay 18 BtV
 Project Manager: Robert Gladden
 Address: Marlene Gladden
 City, State, Zip _____
 Phone: _____
 Email: _____

Report Attention
 Report due by: 3-DAY
 Attention: Marlene Gladden
 Address: P.O. Box 1058
 City, State, Zip Hobbs, NM 88200
 Phone: _____
 Email: ngladden@hugob-hose.com

Lab Use Only
 Lab WO# P912001 Job Number 19054-0003
 TAT 1D 3D ☒ ☐
 EPA Program RCRA CWA SDV

Analysis and Method

State

NM CO UT A

Remarks

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX						
8:07	12/23	S	1	SP1-2'	1														
9:31	12/23			SP2-2'	2														
11:15	12/23			SP3-4'	3														
12:20	12/23			SP4-4'	4														
2:00	12/23			SP5-4'	5														
12:30	12/23			SP7-8'	6														
1:30	12/24			SP8-4'	7														
3:40	12/24			SP9-4'	8														
4:14	12/24			SP10-4'	9														
4:31	12/24			SP11-4'	10														

Additional Instructions:

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

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

Relinquished by: (Signature) <u>Robert Gladden</u>	Date <u>12/30/19</u>	Time <u>11:45</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1145</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1505</u>	Received by: (Signature) <u>Raina Lopez</u>	Date <u>12/31/19</u>	Time <u>9:30</u>

Lab Use Only
 Received on ice: ☒ Y / ☐ N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client: <u>Spr</u>	Report Attention
Project: <u>South Bay 18 Bty</u>	Report due by: <u>3-DAY</u>
Project Manager: <u>Natalie Gladden</u>	Attention: <u>Natalie Gladden</u>
Address:	Address: <u>PO Box 1058</u>
City, State, Zip	City, State, Zip: <u>Hobbs, NM 88240</u>
Phone:	Phone:
Email:	Email:

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Lab Use Only										TAT		EPA Program			State	Remarks
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX			1D	3D	RCRA	CWA	SDV		
3:17	12/3	S	1	SPU - 6'	11																	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
<u>Natalie Gladden</u>	12/30/19	11:40	<u>[Signature]</u>	12-30-19	11:40		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		
<u>[Signature]</u>	12-30-19	1505	<u>Raina Lopez</u>	12/31/19	9:30	Received on ice: <u>Y</u> / N	
						T1	T2
						AVG Temp °C <u>4</u>	T3

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Analytical Report

Report Summary

Client: Spur

Samples Received: 12/31/2019

Job Number: 19054-0003

Work Order: P912082

Project Name/Location: South Boyd 18

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 1/3/20

Walter Hinchman, Laboratory Director



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



Spur	Project Name:	South Boyd 18	Reported: 01/03/20 12:05
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Fabian Franco	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	P912082-01A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW2	P912082-02A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW3	P912082-03A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW4	P912082-04A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW5	P912082-05A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW6	P912082-06A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW7	P912082-07A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW8	P912082-08A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW9	P912082-09A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW10	P912082-10A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW11	P912082-11A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW12	P912082-12A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW1**P912082-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.2 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.3 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW2**P912082-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.4 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.3 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW3**P912082-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.9 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.6 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW4**P912082-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.9 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.0 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW5**P912082-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		89.3 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.0 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	137	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW6**P912082-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.5 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.6 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW7**P912082-07 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.6 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.5 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	325	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW8**P912082-08 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.5 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.4 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	290	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW9**P912082-09 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/03/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		89.9 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.8 %		50-150	1953011	12/31/19	01/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	30.2	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW10
P912082-10 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/03/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		90.4 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.5 %		50-150	1953011	12/31/19	01/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	59.0	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW11**P912082-11 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Toluene	0.0250	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
o-Xylene	0.0303	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Total Xylenes	0.0303	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>101 %</i>		<i>50-150</i>	<i>1953011</i>	<i>12/31/19</i>	<i>01/03/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	57.0	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>88.7 %</i>		<i>50-200</i>	<i>1953013</i>	<i>12/31/19</i>	<i>12/31/19</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>81.5 %</i>		<i>50-150</i>	<i>1953011</i>	<i>12/31/19</i>	<i>01/03/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	21.0	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

SW12
P912082-12 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %		50-150	1953011	12/31/19	01/03/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.9 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.2 %		50-150	1953011	12/31/19	01/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	Reported: 01/03/20 12:05
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Fabian Franco	

Volatile Organics by EPA 8021 - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953011 - Purge and Trap EPA 5030A**Blank (1953011-BLK1)**

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							

Surrogate: 4-Bromochlorobenzene-PID	7.89		"	8.00		98.7	50-150			
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LCS (1953011-BS1)

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Benzene	4.59	0.0250	mg/kg	5.00		91.9	70-130			
Toluene	4.76	0.0250	"	5.00		95.3	70-130			
Ethylbenzene	4.71	0.0250	"	5.00		94.3	70-130			
p,m-Xylene	9.37	0.0500	"	10.0		93.7	70-130			
o-Xylene	4.68	0.0250	"	5.00		93.5	70-130			
Total Xylenes	14.1	0.0250	"	15.0		93.7	70-130			

Surrogate: 4-Bromochlorobenzene-PID	8.13		"	8.00		102	50-150			
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Matrix Spike (1953011-MS1)

Source: P912082-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Benzene	4.89	0.0250	mg/kg	5.00	ND	97.8	54.3-133			
Toluene	5.01	0.0250	"	5.00	ND	100	61.4-130			
Ethylbenzene	4.98	0.0250	"	5.00	ND	99.6	61.4-133			
p,m-Xylene	9.90	0.0500	"	10.0	ND	99.0	63.3-131			
o-Xylene	4.94	0.0250	"	5.00	ND	98.8	63.3-131			
Total Xylenes	14.8	0.0250	"	15.0	ND	98.9	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID	8.20		"	8.00		103	50-150			
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Matrix Spike Dup (1953011-MSD1)

Source: P912082-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Benzene	4.63	0.0250	mg/kg	5.00	ND	92.6	54.3-133	5.38	20	
Toluene	4.79	0.0250	"	5.00	ND	95.9	61.4-130	4.39	20	
Ethylbenzene	4.73	0.0250	"	5.00	ND	94.6	61.4-133	5.09	20	
p,m-Xylene	9.39	0.0500	"	10.0	ND	93.9	63.3-131	5.24	20	
o-Xylene	4.69	0.0250	"	5.00	ND	93.8	63.3-131	5.18	20	
Total Xylenes	14.1	0.0250	"	15.0	ND	93.9	63.3-131	5.22	20	

Surrogate: 4-Bromochlorobenzene-PID	8.18		"	8.00		102	50-150			
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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953013 - DRO Extraction EPA 3570

Blank (1953013-BLK1)

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	42.5		"	50.0		85.0	50-200			

LCS (1953013-BS1)

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	451	25.0	mg/kg	500		90.1	38-132			
Surrogate: n-Nonane	43.6		"	50.0		87.2	50-200			

Matrix Spike (1953013-MS1)

Source: P912082-01

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	493	25.0	mg/kg	500	ND	98.6	38-132			
Surrogate: n-Nonane	46.2		"	50.0		92.3	50-200			

Matrix Spike Dup (1953013-MSD1)

Source: P912082-01

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	557	25.0	mg/kg	500	ND	111	38-132	12.2	20	
Surrogate: n-Nonane	52.8		"	50.0		106	50-200			

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Spur	Project Name:	South Boyd 18	Reported: 01/03/20 12:05
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Fabian Franco	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953011 - Purge and Trap EPA 5030A

Blank (1953011-BLK1)

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.55		"	8.00		81.9	50-150			

LCS (1953011-BS2)

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Gasoline Range Organics (C6-C10)	47.3	20.0	mg/kg	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.57		"	8.00		82.1	50-150			

Matrix Spike (1953011-MS2)

Source: P912082-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Gasoline Range Organics (C6-C10)	45.6	20.0	mg/kg	50.0	ND	91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.65		"	8.00		83.2	50-150			

Matrix Spike Dup (1953011-MSD2)

Source: P912082-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 2

Gasoline Range Organics (C6-C10)	45.1	20.0	mg/kg	50.0	ND	90.1	70-130	1.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		"	8.00		83.8	50-150			

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001002 - Anion Extraction EPA 300.0/9056A**Blank (2001002-BLK1)**

Prepared & Analyzed: 01/02/20 1

Chloride ND 20.0 mg/kg

LCS (2001002-BS1)

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride 254 20.0 mg/kg 250 102 90-110

Matrix Spike (2001002-MS1)**Source: P001005-01**

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride 1560 20.0 mg/kg 250 1210 140 80-120 M2

Matrix Spike Dup (2001002-MSD1)**Source: P001005-01**

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride 1500 20.0 mg/kg 250 1210 115 80-120 4.22 20

QC Summary Report**Comment:**

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

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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Project Information

Chain of Custody

Page 2 of 2

Client: <u>SPur</u>				Report Attention				Lab Use Only				TAT		EPA Program			
Project: <u>South Boyd</u>				Report due by:				Lab WO# <u>P912082</u>		Job Number <u>19054-0003</u>		1D	3D	RCRA	CWA	SDV	
Project Manager: <u>Fabian Franco</u>				Attention: <u>Natalie Gladden</u>													
Address:				Address:				Analysis and Method									
City, State, Zip				City, State, Zip				State									
Phone:				Phone:				NM CO UT A									
Email:				Email: <u>natalie</u>				Remarks									
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX				
2:15	12/27	soil	1	SW11	11												
2:25	12/27	soil	1	SW12	12												

Additional Instructions:

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

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

Relinquished by: (Signature) <u>Natalie Gladden</u>	Date <u>12/30/19</u>	Time <u>11:45</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>11:45</u>	Lab Use Only	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1505</u>	Received by: (Signature) <u>Raimon Lopez</u>	Date <u>12/31/19</u>	Time <u>9:30</u>	Received on ice: <u>Y</u> / N	
						T1	T2
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C <u>4</u>	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							

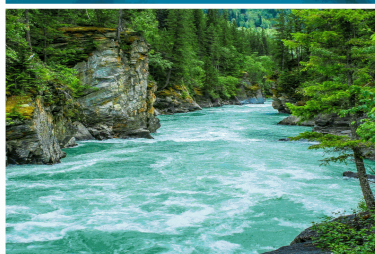
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Report to:

Eddie Gayton

PO Box 1058

Hobbs, NM 88240



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Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006052

Job Number: 19054-0003

Received: 6/16/2020

Revision: 2

Report Reviewed By:

Walter Hinchman

Walter Hinchman

Laboratory Director

9/18/20

5796 U.S. Hwy 64
Farmington, NM 87401

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



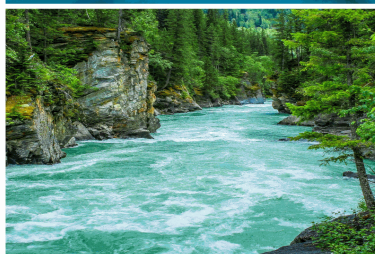
Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification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

Report to:

Brady Moulder

PO Box 1058

Hobbs, NM 88240



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006044

Job Number: 19054-0003

Received: 6/12/2020

Revision: 2

Report Reviewed By:

Walter Hinchman

Walter Hinchman

Laboratory Director

9/18/20

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/18/20

Brady Moulder
PO Box 1058
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery
Workorder: P006044
Date Received: 6/12/2020 9:45:00AM

Brady Moulder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2020 9:45:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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 regarding 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 Lopez
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Sample Summary

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWC-N-1'	P006044-01A	Soil	06/11/20	06/12/20	Glass Jar, 4 oz.



Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Number: Project Manager:	South Boyd Federal Com Batte 19054-0003 Brady Moulder	Reported: 9/18/2020 12:51:04PM
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SWC-N-1'

P006044-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS		Batch: 2024026	
Benzene	ND	0.0250	1	06/12/20	06/12/20	
Toluene	ND	0.0250	1	06/12/20	06/12/20	
Ethylbenzene	ND	0.0250	1	06/12/20	06/12/20	
p,m-Xylene	ND	0.0500	1	06/12/20	06/12/20	
o-Xylene	ND	0.0250	1	06/12/20	06/12/20	
Total Xylenes	ND	0.0250	1	06/12/20	06/12/20	
Surrogate: 4-Bromochlorobenzene-PID	105 %	50-150		06/12/20	06/12/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS		Batch: 2024026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/20	06/12/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	50-150		06/12/20	06/12/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2024027	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/20	06/12/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/12/20	06/12/20	
Surrogate: n-Nonane	101 %	50-200		06/12/20	06/12/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2024025	
Chloride	ND	20.0	1	06/12/20	06/12/20	
Totals	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/12/20	06/12/20	
Total BTEX	ND	0.0250		06/12/20	06/12/20	
Total TPH (C6-C40)	ND	20.0		06/12/20	06/12/20	



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:51:04PM

Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024026-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	50-150			

LCS (2024026-BS1)

Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.23	0.0250	5.00		105	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	50-150			

Matrix Spike (2024026-MS1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.12	0.0250	5.00	ND	102	54.3-133			
Toluene	5.10	0.0250	5.00	ND	102	61.4-130			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61.4-133			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63.3-131			
o-Xylene	5.07	0.0250	5.00	ND	101	63.3-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	50-150			

Matrix Spike Dup (2024026-MSD1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.05	0.0250	5.00	ND	101	54.3-133	1.37	20	
Toluene	5.02	0.0250	5.00	ND	100	61.4-130	1.55	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61.4-133	1.44	20	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63.3-131	1.38	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63.3-131	1.21	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	0-200	1.32	200	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:51:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024026-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.4	50-150			

LCS (2024026-BS2)

Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	50-150			

Matrix Spike (2024026-MS2)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	50-150			

Matrix Spike Dup (2024026-MSD2)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130	0.613	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	50-150			



QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Number: Project Manager:	South Boyd Federal Com Battery 19054-0003 Brady Moulder	Reported: 9/18/2020 12:51:04PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024027-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.0		50.0		104	50-200			

LCS (2024027-BS1)

Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	444	25.0	500		88.7	38-132			
Surrogate: <i>n</i> -Nonane	47.6		50.0		95.3	50-200			

Matrix Spike (2024027-MS1)

Source: P006045-01 Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	474	25.0	500	ND	94.8	38-132			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.1	50-200			

Matrix Spike Dup (2024027-MSD1)

Source: P006045-01 Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	482	25.0	500	ND	96.4	38-132	1.64	20	
Surrogate: <i>n</i> -Nonane	47.3		50.0		94.6	50-200			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:51:04PM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024025-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Chloride	ND	20.0
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LCS (2024025-BS1)

Prepared: 06/12/20 Analyzed: 06/12/20

Chloride	248	20.0	250	99.2	90-110
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Matrix Spike (2024025-MS1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Chloride	265	20.0	250	ND	106	80-120
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Matrix Spike Dup (2024025-MSD1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Chloride	262	20.0	250	ND	105	80-120	1.06	20
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QC Summary Report Comment:

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



Definitions and Notes

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:51

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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




 5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-1881 Fx (505) 632-1865 labadmin@envirotech-inc.com
 24 Hour Emergency Response Phone: (800) 362-1879

Date Reported: 9/18/20

Eddie Gayton
PO Box 1058
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery
Workorder: P006052
Date Received: 6/16/2020 9:30:00AM

Eddie Gayton,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2020 9:30:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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 regarding 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
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Sample Summary

Spur	Project Name:	South Boyd Federal Com Battery	Reported: 09/18/20 12:51
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-1	P006052-01A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-2	P006052-02A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-3	P006052-03A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-4	P006052-04A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-5	P006052-05A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.



Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	Reported: 9/18/2020 12:51:42PM
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BH-1

P006052-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
Surrogate: 4-Bromochlorobenzene-PID	106 %	50-150		06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.5 %	50-150		06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
Surrogate: n-Nonane	96.2 %	50-200		06/15/20	06/16/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Eddie Gayton

Reported:
9/18/2020 12:51:42PM

BH-2

P006052-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/15/20	06/16/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Eddie Gayton

Reported:
9/18/2020 12:51:42PM

BH-3

P006052-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>		99.6 %	50-200	06/15/20	06/16/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals		mg/kg	mg/kg			
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Eddie Gayton

Reported:
9/18/2020 12:51:42PM

BH-4

P006052-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	06/15/20	06/16/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Eddie Gayton

Reported:
9/18/2020 12:51:42PM

BH-5

P006052-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	50-150	06/16/20	06/16/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	06/15/20	06/16/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	9/18/2020 12:51:42PM

Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2025002-BLK1)

Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.49		8.00		106	50-150			

LCS (2025002-BS1)

Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.63		8.00		108	50-150			

Matrix Spike (2025002-MS1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	5.20	0.0250	5.00	ND	104	54.3-133			
Toluene	5.19	0.0250	5.00	ND	104	61.4-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.19	0.0250	5.00	ND	104	63.3-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.77		8.00		110	50-150			

Matrix Spike Dup (2025002-MSD1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	4.77	0.0250	5.00	ND	95.3	54.3-133	8.67	20	
Toluene	4.73	0.0250	5.00	ND	94.6	61.4-130	9.30	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61.4-133	9.18	20	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63.3-131	9.19	20	
o-Xylene	4.73	0.0250	5.00	ND	94.7	63.3-131	9.23	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.3	0-200	9.20	200	
Surrogate: 4-Bromochlorobenzene-PID	8.71		8.00		109	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	9/18/2020 12:51:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2025002-BLK1)

Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	50-150			

LCS (2025002-BS2)

Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	50-150			

Matrix Spike (2025002-MS2)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	50-150			

Matrix Spike Dup (2025002-MSD2)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	0.802	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	9/18/2020 12:51:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2025007-BLK1)

Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	56.9		50.0		114	50-200			

LCS (2025007-BS1)

Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	442	25.0	500		88.4	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike (2025007-MS1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	7930	500	500	7770	31.0	38-132			M4
Surrogate: n-Nonane	56.4		50.0		113	50-200			

Matrix Spike Dup (2025007-MSD1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	8050	500	500	7770	56.3	38-132	1.58	20	M4
Surrogate: n-Nonane	56.6		50.0		113	50-200			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Eddie Gayton	9/18/2020 12:51:42PM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2025010-BLK1)

Prepared: 06/16/20 Analyzed: 06/16/20

Chloride	ND	20.0
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LCS (2025010-BS1)

Prepared: 06/16/20 Analyzed: 06/16/20

Chloride	253	20.0	250	101	90-110
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Matrix Spike (2025010-MS1)

Source: P006046-01 Prepared: 06/16/20 Analyzed: 06/16/20

Chloride	1970	40.0	250	1660	124	80-120	M2
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Matrix Spike Dup (2025010-MSD1)

Source: P006046-01 Prepared: 06/16/20 Analyzed: 06/16/20

Chloride	1770	40.0	250	1660	43.5	80-120	10.8	20	M2
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QC Summary Report Comment:

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



Definitions and Notes

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Eddie Gayton	09/18/20 12:51

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference

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

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



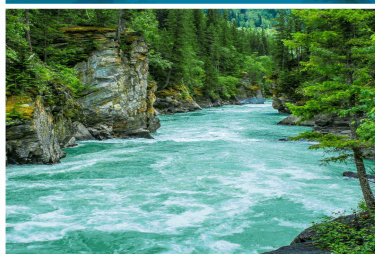

 5796 US Highway 64, Farmington, NM 87401
 24 Hour Emergency Response Phone: (800) 362-1879
 Ph (505) 632-1881 Fx (505) 632-1865
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Report to:

Brady Moulder

PO Box 1058

Hobbs, NM 88240



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006023

Job Number: 19054-0003

Received: 6/9/2020

Revision: 2

Report Reviewed By:

Walter Hinchman

Walter Hinchman

Laboratory Director

9/18/20

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/18/20

Brady Moulder
PO Box 1058
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery
Workorder: P006023
Date Received: 6/9/2020 10:00:00AM

Brady Moulder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2020 10:00:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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 regarding 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
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Sample Summary

Spur	Project Name:	South Boyd Federal Com Battery	Reported: 09/18/20 12:50
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWC-N	P006023-01A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWC-E	P006023-02A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWC-W-2'	P006023-03A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWE-W-1'	P006023-04A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWE-N-2'	P006023-05A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.



Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	Reported: 9/18/2020 12:50:19PM
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SWC-N

P006023-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	102	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		79.0 %	50-200	06/09/20	06/09/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	878	20.0	1	06/09/20	06/09/20	
Totals	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	102	20.0		06/09/20	06/09/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Brady Moulder

Reported:
9/18/2020 12:50:19PM

SWC-E

P006023-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	0.0379	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	0.0252	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	30.6	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		87.4 %	50-200	06/09/20	06/09/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	73.7	20.0	1	06/09/20	06/09/20	
Totals	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	0.0631	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	30.6	20.0		06/09/20	06/09/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Brady Moulder

Reported:
9/18/2020 12:50:19PM

SWC-W-2'

P006023-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>						
		92.1 %	50-200	06/09/20	06/09/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	ND	20.0	1	06/09/20	06/09/20	
Totals						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Brady Moulder

Reported:
9/18/2020 12:50:19PM

SWE-W-1'

P006023-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		92.4 %	50-200	06/09/20	06/09/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	23.6	20.0	1	06/09/20	06/09/20	
Totals	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: South Boyd Federal Com Batte
Project Number: 19054-0003
Project Manager: Brady Moulder

Reported:
9/18/2020 12:50:19PM

SWE-N-2'

P006023-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	50-150	06/09/20	06/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		91.9 %	50-200	06/09/20	06/09/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	ND	20.0	1	06/09/20	06/09/20	
Totals	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:50:19PM

Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024004-BLK1)

Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	50-150			

LCS (2024004-BS1)

Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.52		8.00		107	50-150			

Matrix Spike (2024004-MS1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.15	0.0250	5.00	ND	103	54.3-133			
Toluene	5.16	0.0250	5.00	ND	103	61.4-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.14	0.0250	5.00	ND	103	63.3-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	50-150			

Matrix Spike Dup (2024004-MSD1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.14	0.0250	5.00	ND	103	54.3-133	0.0797	20	
Toluene	5.12	0.0250	5.00	ND	102	61.4-130	0.765	20	
Ethylbenzene	5.10	0.0250	5.00	ND	102	61.4-133	0.769	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63.3-131	0.817	20	
o-Xylene	5.11	0.0250	5.00	ND	102	63.3-131	0.741	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	0-200	0.792	200	
Surrogate: 4-Bromochlorobenzene-PID	8.48		8.00		106	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:50:19PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2024004-BLK1)

Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			

LCS (2024004-BS2)

Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	50-150			

Matrix Spike (2024004-MS2)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	50-150			

Matrix Spike Dup (2024004-MSD2)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	0.745	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			



QC Summary Data

Spur	Project Name:	South Boyd Federal Com Battery	Reported:
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	9/18/2020 12:50:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2024006-BLK1)

Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.7		50.0		91.4	50-200			

LCS (2024006-BS1)

Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	451	25.0	500		90.1	38-132			
Surrogate: <i>n</i> -Nonane	48.8		50.0		97.7	50-200			

Matrix Spike (2024006-MS1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	539	25.0	500	102	87.4	38-132			
Surrogate: <i>n</i> -Nonane	41.6		50.0		83.3	50-200			

Matrix Spike Dup (2024006-MSD1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	535	25.0	500	102	86.7	38-132	0.716	20	
Surrogate: <i>n</i> -Nonane	45.2		50.0		90.4	50-200			



QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Number: Project Manager:	South Boyd Federal Com Battery 19054-0003 Brady Moulder	Reported: 9/18/2020 12:50:19PM
--	--	---	--

Anions by EPA 300.0/9056A

Analyst: NE

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

Blank (2024005-BLK1)

Prepared: 06/09/20 Analyzed: 06/09/20

Chloride ND 20.0

LCS (2024005-BS1)

Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 249 20.0 250 99.5 90-110

Matrix Spike (2024005-MS1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 1020 20.0 250 878 57.3 80-120 M2

Matrix Spike Dup (2024005-MSD1)

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 1120 20.0 250 878 98.5 80-120 9.62 20

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


Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:50

- 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

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

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




 5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-1881 Fx (505) 632-1865 envirotech-inc.com
 24 Hour Emergency Response Phone: (800) 362-1879 labadmin@envirotech-inc.com

SPUR ENERGY PARTNERSSOUTH BOYD FED COM BTY
EXCAVATION MAP**Legend**

- BOTTOM HOLE COMPOSITE
- COMP EXCV AREA
- SIDEWALL COMPOSITE

BH1: 32.622990 -104.467537
BH2: 32.622983 -104.467507
BH3: 32.622961 -104.467479
BH4: 32.622932 -104.467451
BH5: 32.622904 -104.467420
SWC-N: 32.622973 -104.467458
SWC-E: 32.622886 -104.467394
SWC-W: 32.622996 -104.467557
SWC-N (S): 32.622926 -104.467481



Spur Energy Weights Statement - Total Received

<i>Receive Date</i>	<i>Manifest Number</i>	<i>Lease Name</i>	<i>Weight (lbs.)</i>	<i>Weight (Tons)</i>
6/1/2020	137244	South Boyd Fed Com Battery	25,420	12.71
6/2/2020	137262	South Boyd Fed Com Battery	41,800	20.80
6/3/2020	137282	South Boyd Fed Com Battery	40,520	20.26
<i>TOTALS:</i>			107,540	53.77
			<i>lbs.</i>	<i>Tons</i>

Lea Land Landfill New Mexico

Mile Market # 64 US Highway 62/180

30 miles East of Carlsbad, NM * (505) 887-4048

<h1 style="margin: 0;">LEA LAND DISPOSAL SITE NEW MEXICO</h1> <p style="margin: 0; font-size: small;">MILE MARKER 64 U.S. HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048</p>											
<h2 style="margin: 0;">LEA LAND, LLC</h2> <p style="margin: 0; font-size: small;">1700 WINEGUM STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4357</p>											
NON-HAZARDOUS WASTE MANIFEST				137244		1 PAGE ____ OF ____		2 TRAILER NO. DT4			
GENERATOR	3. COMPANY NAME Spur Energy			4. ADDRESS 920 Memorial City Way			5. PICK-UP DATE 8/1/2020				
	PHONE NO. (833) 930-8602			CITY STATE ZIP Houston Tx. 77024			6. TNRCC I.D. NO.				
	7. NAME OR DESCRIPTION OF WASTE SHIPPED						8. CONTAINERS No. Type		9. TOTAL QUANTITY		
	Non-Regulated, Non Hazardous Waste						1 CM				
	b. c. Wt: 25420										
RECEIVER	12. COMMENTS OR SPECIAL INSTRUCTIONS: SOUTH BOYD FED COM BATTERY						13. WASTE PROFILE NO.				
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT										
	NAME JOE ONTIVEROS PHONE NO. 575-887-8048 24-HOUR EMERGENCY NO.										
O	15. GENERATOR'S CERTIFICATION: I have signed this manifest and the contents of this consignment are fully and accurately described above by proper shipping name and are the actual pack, or material, and label on the container is in proper condition for transport by highway according to applicable international and national governmental regulations, including applicable waste regulations, and are the same materials previously approved by LEA LAND, LLC										
	PRINTED/TYPED NAME CO. MAN: JERRY MATHEWS					SIGNATURE _____ DATE _____					
TRANSPORTERS	16. TRANSPORTER (1) NAME HUNGRY HORSE					17. TRANSPORTER (2)					
	TEXAS I.D. NO. VERNON BLACK					TEXAS I.D. NO.					
	IN CASE OF EMERGENCY CONTACT (575) 831-2268					IN CASE OF EMERGENCY CONTACT:					
	EMERGENCY PHONE					EMERGENCY PHONE:					
	18. TRANSPORTER (1): Acknowledgment of receipt of material					19. TRANSPORTER (2): Acknowledgment of receipt of material					
DISPOSAL	PRINTED/TYPED NAME David Hernandez					PRINTED/TYPED NAME _____					
	SIGNATURE David Hernandez DATE 8/1/2020					SIGNATURE _____ DATE _____					
	Lea Land, LLC					ADDRESS Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM					
	PERMIT NO. WM-01-035 - New Mexico					PHONE: 575-887-4048					
	20. COMMENTS										
DISPOSAL FACILITY	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted for this use. (40 CFR 261.24)										
	AUTHORIZED SIGNATURE Santa Gonzalez					CELL NO. _____		DATE 8/1/2020		TIME 1:05	
	22. COMMENTS										

<h1 style="margin: 0;">LEA LAND DISPOSAL SITE NEW MEXICO</h1> <p style="margin: 0; font-size: small;">MILE MARKER 64, U.S. HWY 62/180, 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048</p>										
<h2 style="margin: 0;">LEA LAND, LLC</h2> <p style="margin: 0; font-size: small;">1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257</p>										
NON-HAZARDOUS WASTE MANIFEST				137262		1 PAGE OF		2 TRAILER NO. DT-7		
GENERATOR'S CERTIFICATION:	3. COMPANY NAME Spur Energy			4. ADDRESS 920 Memorial City Way			5. PICK-UP DATE 8/2/2020			
	PHONE NO. (833) 930-9502			CITY STATE ZIP Houston Tx. 77024			6. TNRCC I.D. NO.			
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:						8. CONTAINERS		9. TOTAL QUANTITY	
	Non-Regulated, Non Hazardous Waste						No. Type 1 CM		10. UNIT Wt Vol	
	11. COMMENTS OR SPECIAL INSTRUCTIONS: SOUTH BOYD FED COM BATTERY						13. WASTE PROFILE NO.			
TRANSPORTER'S CERTIFICATION:	14. IN CASE OF EMERGENCY OR SPILL, CONTACT									
	NAME JOE ONTIVEROS			PHONE NO. 575-887-4048			24-HOUR EMERGENCY NO.			
DISPOSAL FACILITY'S CERTIFICATION:	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classed, packaged, marked, labeled, and are in all respects in proper condition for transport by highway according to applicable international and national regulatory requirements, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC.									
	PRINTED/TYPED NAME CO. MAN: JERRY MATHEWS					SIGNATURE DATE				
TRANSPORTER'S CERTIFICATION:	16. TRANSPORTER (1)					17. TRANSPORTER (2)				
	NAME: HUNGRY HORSE					NAME				
	TEXAS I.D. NO.					TEXAS I.D. NO.				
	IN CASE OF EMERGENCY CONTACT VERNON BLACK (575) 831-2253					IN CASE OF EMERGENCY CONTACT				
	EMERGENCY PHONE					EMERGENCY PHONE				
DISPOSAL FACILITY'S CERTIFICATION:	18. TRANSPORTER (1):					19. TRANSPORTER (2): Acknowledgment of receipt of material				
	PRINTED TYPED NAME Donald Hernandez					PRINTED TYPED NAME				
	SIGNATURE Donald Hernandez DATE 8/2/2020					SIGNATURE DATE				
DISPOSAL FACILITY'S CERTIFICATION:	Lea Land, LLC			ADDRESS Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM			PHONE 575-887-4048			
	PERMIT NO. WM-01-035 - New Mexico			20. COMMENTS						
	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.									
	22. AUTHORIZED SIGNATURE Santos Gonzalez					CELL NO.		DATE 8/2/2020		TIME 11:30

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER 64, U.S. HWY 62 180-30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

100 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Yungry Horse
DT-7

NON-HAZARDOUS WASTE MANIFEST

137282

1 PAGE OF

TRAILER NO.

G E N E R A T O R	3. COMPANY NAME Spur Energy		4. ADDRESS 920 Memorial City Way		5. PICK-UP DATE 8/3/2020	
	PHONE NO. (833) 930-8502		CITY STATE ZIP Houston Tx 77024		6. TNRCC I.D. NO.	
N E E D S	7. NAME OR DESCRIPTION OF WASTE SHIPPED: Non-Regulated, Non Hazardous Waste				8. CONTAINERS No. Type 1 CM	9. TOTAL QUANTITY
						10. UNIT Wt Vol
A T T E N T I O N	12. COMMENTS OR SPECIAL INSTRUCTIONS: SOUTH BOYD FED COM BATTERY				13. WASTE PROFILE NO.	
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME PHONE NO. 24-HOUR EMERGENCY NO. JOE ONTIVEROS 575-887-4048					
R E C E I V E R	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, and are of correct quantity, weight, label, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC.					
	PRINTED/TYPED NAME CO. MAN: JERRY MATHEWS				SIGNATURE DATE	
T R A N S P O R T E R S	16. TRANSPORTER (1) NAME: HUNGRY HORSE TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: VERNON BLACK EMERGENCY PHONE: (575) 681-2253				17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:	
	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME: Daniel Hernandez SIGNATURE: Daniel Hernandez DATE: 8/3/2020				19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME: SIGNATURE: DATE:	
D I S C O P I E S	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62 180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS			
L A N D	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	MATERIALS RECEIVED BY Santo Morales		CELL NO.	DATE: 8/3/2020	TIME: 9:55	

Force

Spir South BOYD Fed Com Battery 6.01.21

[illegible]

7-

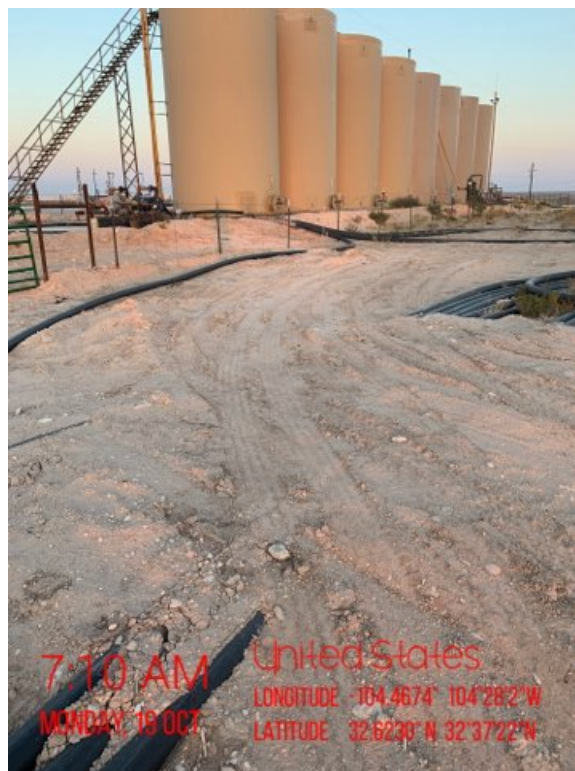
Spur South Boyd Fed Com Battery 6.2.21

-4-

SPUR ENERGY

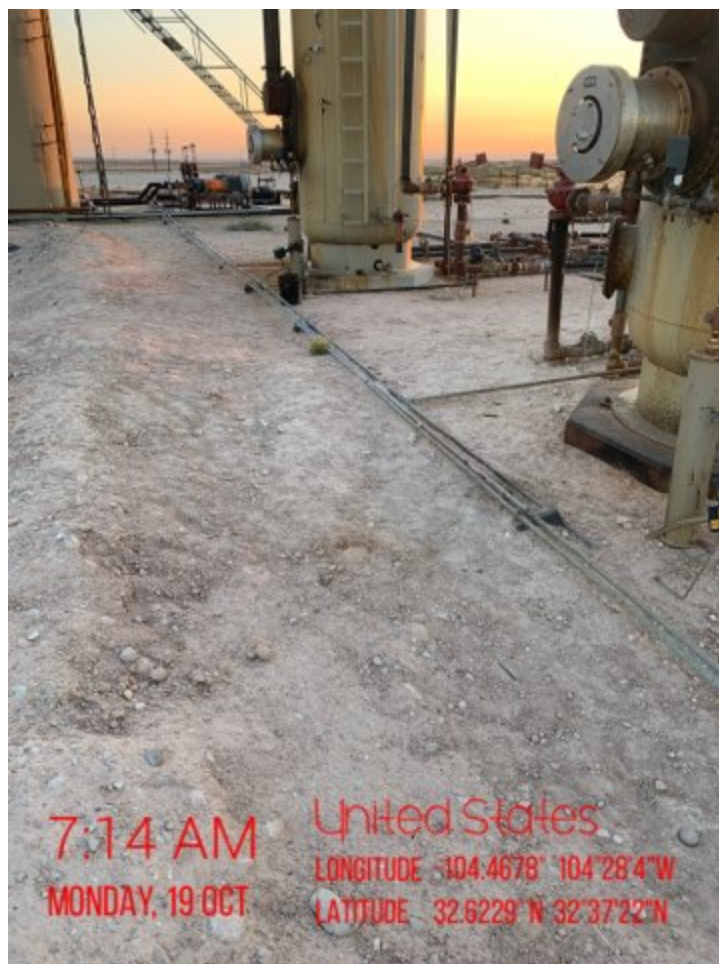
SOUTH BOYD FEDERAL COM BATTERY

FINAL SITE PHOTOS













Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	UNK (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

State of New Mexico

Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory

Signature:  Date: 5-6-21

email: natalie@energystaffingllc.com Telephone: 575-390-6397

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Natalie Gladden Title: Director of Environmental and RegulatorySignature:  Date: 5-6-21email: natalie@energystaffingllc.com Telephone: 575-390-6397**OCD Only**

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Natalie Gladden Title: Director of Environmental and RegulatorySignature:  Date: 5-6-21email: natalie@energystaffingllc.com Telephone: 575-390-6397**OCD Only**

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Incident ID	NRH2003450480
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory

Signature:  Date: 5-6-21

email: natalie@energystaffingllc.com Telephone: 575-390-6397

OCD Only

Received by: Robert Hamlet Date: 7/21/2021

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

Closure Approved by: Robert Hamlet Date: 7/21/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

District I

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

District II

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

District III

1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

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

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

CONDITIONS

Action 27247

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 27247
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Closure Report is approved. On future releases, if rock refusal hinders delineation/excavation, use a hydrovac to clean contaminated soil off rock. After rock surface is clean, layer rock with microbial strains to digest organics and hydrocarbons if present. Back-fill with clean material. Please make sure this process is incorporated into remediation projects and included on future closure report summaries if rock refusal is encountered.	7/21/2021