Biscuit Hills SWD #001
Closure Report

API No. 30-015-28142
2RP-5669
Release Date: 09/17/2019

U/L O, Section 29, Township 17S, Range 31E
Eddy County, New Mexico

06/04/2020
Prepared by:

7 W Compress Road
Artesia, New Mexico 88210
575-746-9547

June 04, 22020

New Mexico Energy, Minerals & Natural Resources
NMOCD District II
C/O Mike Bratcher, Robert Hamlet & Victoria Venegas
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
920 Memorial City Way, Suite 1000
Houston, TX 77024

SUBJECT: **Closure Request for Spur Energy Partners – Biscuit Hills SWD #001**
API No. 30-015-28142
2RP-5669
Incident No. NAB1928851161
U/L O, Section 29, Township 17S, Range 31E
Eddy County

To Whom It May Concern,

On behalf of Spur Energy Partners, Energy Staffing & Services (ESS) has prepared this CLOSURE REPORT that describes the assessment, delineation and remediation for the release associated with the Biscuit Hills SWD #001, dated September 17th, 2019 with RP# 2RP-5669.

BACKGROUND

This site is located in Eddy County, New Mexico. The release was discovered on September 17th, 2019. The release was caused by a hole in the water line. The line has been repaired. Approximately 22bbls of produced water was released. The fluid stayed on the pad. A vacuum truck was dispatched to the site and approximately 18bbls of fluid was recovered. The fluid was taken to an approved landfill for disposal. The approved corresponding C-141 for the release is attached. The approximate area of impact was 1685.20 sq. ft.

GROUNDWATER RESEARCH

ESS has conducted a groundwater study of this area. It has been determined that according to the New Mexico Office of the State Engineer, the closest well to the site is 472' with no water depth. The closest three wells are listed below:

RA 11590 POD3 is 472' from the site with no water depth
RA 11590 POD4 is 790' from the site with no water depth
RA 11590 POD1 is 1340' from the site with no water depth

With the data collected during the groundwater research protocol, there is not any available or verifiable records of groundwater in the vicinity of the site detailed herein. There is no eminent danger of groundwater impact found at this site.

The Closure Criteria for Soils Impacted by a Release is shown below, based on groundwater of 0'bgs the site falls into the >100' depth category. Please see the groundwater data and map attached.

Closure Criteria for Soil NMAC 19.15.29			
Depth	**Constituent**	**Method**	**Limit**
>100 feet	Chloride	EPA 300.0 OR SM4500 CL B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method	2,500 mg/kg
	GRO + DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

KARST RESEARCH

The Karst Mapping Data found for this site indicates the site is located inside the low marked area in green. Please see the attached Karst Map.

DELINEATION AND REMEDIATION

On, or about, March 26th, 2020, Hungry Horse, LLC dispatched a crew to the location to begin delineation. The site had previously been mapped, photographed and flagged. The site was sampled both vertically and horizontally. Eight vertical sample points were set. The site was sampled at 2' intervals by use of a backhoe. The samples were tested in the field via the titration method as recommended by the NMOCD. A PID Meter was also on site to detect concentrations of TPH. In the table below, you will find the surface samples as titrated in the field:

Ver Sam ID	Depth	Titr/Chl
SP 1	SURF	480
SP 2	SURF	7760
SP 3	SURF	3680
SP 4	SURF	6320
SP 5	SURF	320
SP 6	SURF	560
SP 7	SURF	400
SP 8	SURF	3280

Following the testing of surface samples, the site was fully delineated vertically to ascertain the depth of the impacted soil. Each sample was titrated in the field then jarred and sent to Envirotech Laboratory for confirmation. Below you will find the verified samples as confirmed by Envirotech Laboratory.

Ver Sam ID	Depth	Titr/Chl	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
SP 1	4'	400	ND	ND	ND	ND	ND	289
SP 2	4'	320	ND	ND	ND	ND	ND	119
SP 3	4'	480	ND	ND	ND	ND	ND	447
SP 4	4'	560	ND	ND	ND	ND	ND	79.5
SP 5	4'	160	ND	ND	ND	ND	ND	108
SP 6	4'	320	ND	ND	ND	ND	ND	266
SP 7	4'	160	ND	ND	ND	ND	ND	20.9
SP 8	4'	320	ND	ND	ND	ND	ND	101

As evidenced by the table above and the attached sample data and lab analytical results, the confirmed samples were well within the proscribed limits set forth in the Closure Criteria for Soil Impacted by a Release in the >100' range.

Following vertical delineation, the site was fully delineated horizontally to ascertain the outside edges of the impacted soil. Six sidewalls were sampled using 1' increments. Each sample was titrated in the field, then jarred and sent to Envirotech Laboratory for confirmation. Below you will find the verified samples as confirmed by Envirotech.

Hor Sam ID	Depth	Tit/Chl	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
SW 1	2'	160	ND	ND	ND	ND	ND	ND
SW 2	2'	320	ND	ND	ND	ND	ND	ND
SW 3	2'	320	ND	ND	ND	ND	ND	236
SW 4	2'	80	ND	ND	ND	ND	ND	742
SW 5	2'	160	ND	ND	ND	ND	ND	128
SW 6	2'	80	ND	ND	ND	ND	ND	52.7

Please see that SW4 is at the berm area of the facility and could not be sampled any further.

As shown on the above table of horizontally delineated sidewalls, all of the confirmed samples were well within the proscribed limits set forth in the Closure Criteria for Soils Impacted by a Release in the >100' range.

Upon receipt of the confirmation sidewall samples, it was agreed between Spur Energy Partners and Hungry Horse, LLC that 2'bgs would be excavated from the impacted area on the pad. The impacted soil was excavated and stockpiled on plastic. The impacted soil was then hauled to Lea Landfill for disposal. 72 cu.yds. of impacted soil was hauled out and 90 cu.yds. of clean caliche was backhauled. Once the site was fully excavated, an email was sent to NMOCD and BLM requesting witnessing of closure samples. Closure samples were obtained on March 31st, 2020. The bottom of the excavation was divided into three (3) areas to obtain composite samples and four (4) sidewalls were sampled. Each of the samples were tested in the field using the titration method. The samples were then jarred and sent to Envirotech Laboratory for final confirmation. The table below shows the results of the confirmed closure samples.

Closure ID	Depth	Tit/Chl	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
C1 SP1		2880	ND	269	284	ND	553	3300
C1 SP2		2400	ND	277	271	ND	548	3680
C1 SP3		3600	ND	183	111	ND	294	3690
C1 SP4		2080	ND	277	163	ND	440	3710
C1 SP5		2560	ND	399	372	ND	771	3490
C1 COMP	MIX	2520	ND	276	255	ND	531	3280
C2 SP1		2560	ND	401	331	ND	732	3490
C2 SP2		2080	ND	367	292	ND	659	3210
C2 SP3		2320	ND	226	155	ND	381	3160
C2 SP4		2920	ND	215	201	ND	416	3750
C2 SP5		2880	ND	202	195	ND	397	4280
C2 COMP	MIX	2160	ND	175	183	ND	358	3840
C3 SP1		3280	ND	245	236	ND	481	3870
C3 SP2		2480	ND	151	76.7	ND	227.7	3660
C3 SP3		3200	ND	264	130	ND	394	3930
C3 SP4		2400	ND	304	280	ND	584	3670
C3 SP5		2560	ND	461	240	ND	701	3450
C3 COMP	MIX	3200	ND	266	132	ND	398	3240
C SW1		2960	ND	228	128	ND	356	3800
C SW2		2960	ND	1620	380	ND	2000	3690
C SW3		2480	ND	236	143	ND	379	3640
C SW4		2480	ND	385	164	ND	549	3250

Following receipt of the confirmed closure samples, the site was backfilled with 90 cu.yds. of clean caliche and contoured back to the natural pad.

SCOPE OF WORK AND LIMITATIONS

The scope of services consisted of the review of Hungry Horse site assessment, delineation and remediation as well as regulatory liaison and preparation of this closure report by ESS. All work has been performed in accordance with NMOCD Rules and Regulations for Spills and Releases dated August 14th, 2018 (19.15.29 NMAC).

On behalf of Spur Energy Partners and Energy Staffing & Services, we respectfully request closure on the release associated with the Biscuit Hills SWD #001. If you have any questions or concerns please address them to me, Natalie Gladden, Director of Environmental and Regulatory Services for Energy Staffing & Services. I can be contacted either via cell phone at (575) 390-6397 or via email at natalie@energystaffingllc.com.

Sincerely,

Natalie Gladden

Natalie Gladden
Director of Environmental & Regulatory Services
Energy Staffing & Services
7 W Compress Road
Artesia, NM 88210

ATTACHMENTS

- Initial C-141
- Groundwater data and Map
- Site Map
- Karst Map
- Sample Data
- Lab Analysis
- Sample Map w/GPS
- Photo Pages

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification KRTFX-191001-C-1410

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jennifer Knowlton	Contact Telephone	(575) 748-1570
Contact email	JKnowlton@concho.com	Incident # *(assigned by OCD)*	NAB1928851161
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.80065 Longitude -103.88990
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Biscuit Hills SWD #001	Site Type	Salt Water Disposal
Date Release Discovered	September 17, 2019	API# *(if applicable)*	30-015-28142

Unit Letter	Section	Township	Range	County
O	29	17S	31E	Eddy

Surface Owner: ☒ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 22	Volume Recovered (bbls) 18
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a hole in the water line. The line is being repaired.
The release was on location. A vacuum truck was dispatched to remove all freestanding fluids.
Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ 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

- ■ The source of the release has been stopped.
- ■ The impacted area has been secured to protect human health and the environment.
- ■ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ■ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: DeAnn Grant Title: HSE Administrative Assistant

Signature: DeAnn Grant Date: 9/19/2019

email: agrant@concho.com Telephone: (432) 253-4513

OCD Only

Received by: Amalia Bustamante Date: 10/15/2019

New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Subbasin	County	Source	q 64	q 16	q 4	Sec	Tws	Rng	X	Y		Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 11590 POD3		RA	ED		3	1	2	32	17S	31E	603932	3629260		472	01/22/2010	01/22/2010	04/23/2010	60			225
RA 11590 POD4		RA	ED		4	1	1	32	17S	31E	603308	3629253		790	01/21/2010	01/22/2010	04/23/2010	55			225

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 603936.2 **Northing (Y):** 3629732.82 **Radius:** 1000

New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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(in feet)

POD Number	Code	POD Subbasin	County	Source	q 64	q 16	q 4	Sec	Tws	Rng	X	Y		Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 11590 POD3		RA	ED		3	1	2	32	17S	31E	603932	3629260		472	01/22/2010	01/22/2010	04/23/2010	60			225
RA 11590 POD4		RA	ED		4	1	1	32	17S	31E	603308	3629253		790	01/21/2010	01/22/2010	04/23/2010	55			225
RA 11590 POD1		RA	ED		2	1	3	32	17S	31E	603315	3628545		1340	01/20/2010	01/26/2010	04/23/2010	158			225

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 603936.2 **Northing (Y):** 3629732.82 **Radius:** 5000

New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Subbasin	County	Source	q 64	q 16	q 4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 11590 POD3		RA	ED		3	1	2	32	17S	31E	603932	3629260	472	01/22/2010	01/22/2010	04/23/2010	60			225
RA 11590 POD4		RA	ED		4	1	1	32	17S	31E	603308	3629253	790	01/21/2010	01/22/2010	04/23/2010	55			225
RA 11590 POD1		RA	ED		2	1	3	32	17S	31E	603315	3628545	1340	01/20/2010	01/26/2010	04/23/2010	158			225
L 14207 POD3		L	LE	Shallow	2	3	3	31	16S	37E	606117	3636977	7565	10/03/2016	10/12/2016	12/12/2016	240	96	WHITE, JOHN W	1456
RA 11914 POD1		RA	ED	Shallow	2	4	2	20	17S	30E	594801	3632002	9412	03/19/2013	03/19/2013	04/09/2013	85	80	JOHN NORRIS	1682
CP 00672		CP	LE	Shallow		4	4	07	18S	32E	612475	3624947*	9788	07/17/1992	08/07/1992	08/12/1992	524	430	ABBOTT, MURRELL	46
CP 00672 CLW475398	O	CP	LE	Shallow		4	4	07	18S	32E	612475	3624947*	9788	01/22/1985	01/29/1985	02/08/1985	540	460	FELKINS, LARRY	882

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 603936.2 **Northing (Y):** 3629732.82 **Radius:** 10000

***UTM location was derived from PLSS - see Help**

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	Twn	Rng	X	Y
	RA 11590 POD3	3	1	2	32	17S	31E	603932	3629260

Driller License: 225 **Driller Company:** RODGERS & CO., INC.
Driller Name:

Drill Start Date:	01/22/2010	**Drill Finish Date:**	01/22/2010	**Plug Date:**	
Log File Date:	04/23/2010	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	60 feet	**Depth Water:**	

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) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 11590 POD4	4	1	1	32	17S	31E	603308	3629253

Driller License:	225	**Driller Company:**	RODGERS & CO., INC.		
Driller Name:					
Drill Start Date:	01/21/2010	**Drill Finish Date:**	01/22/2010	**Plug Date:**	
Log File Date:	04/23/2010	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	55 feet	**Depth Water:**	

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twp	Rng	X	Y
	RA 11590 POD1	2	1	3	32	17S	31E	603315	3628545

Driller License: 225 **Driller Company:** RODGERS & CO., INC.
Driller Name:

Drill Start Date: 01/20/2010 **Drill Finish Date:** 01/26/2010 **Plug Date:**
Log File Date: 04/23/2010 **PCW Rcv Date:** **Source:**
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: **Depth Well:** 158 feet **Depth Water:**

SPUR ENERGY PARTNERS

BISCUIT HILLS SWD #1
DOR: 9.17.19
GROUND WATER MAP

Legend
RA 11590

BISCUIT HILLS SWD #1

RA 11590 POD 4 NO GW

RA 11590 POD3 NO GW

RA 11590 POD1 NO GW

222

Shugart Rd

N

1000 ft

Google Earth

SPUR ENERGY PARTNERS

BISCUIT HILLS SWD #1
DOR: 9.17.19
SITE MAP

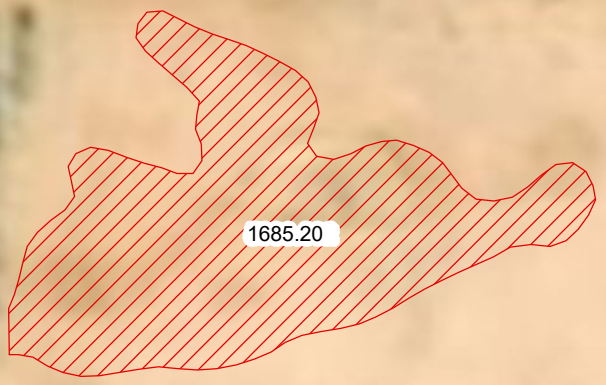
Legend

BISCUIT HILLS SWD #1

Spur Energy Partners
Biscuit Hills SWD #1

Legend

SpillArea



0 5 10 20 30 40 Yards

Hungry-Horse, LLC
Oil & Gas Services

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

SPUR ENERGY PARTNERS

BISCUIT HILLS SWD #1
DOR: 9.17.19
KARST MAP: LOW

Legend

- BISCUIT HILLS SWD #1
- High
- Low
- Medium

121
249
Hwy 82
Maljamar
Loco Hills
82
BISCUIT HILLS SWD #1
Bermuda Rd
529
360
Bluestem Rd
Google Earth
Image Landsat / Copernicus
N
6 mi

Company Name: SPUR LOCATION NAME: BISCUIT HILLS Release Date: 9/17/2019

SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL	Soil	Notes
SP 1	SURF	480									
	2'	480									
	4'	400		ND	ND	ND	ND	ND	289		
SP 2	SURF	7760									
	2'	640									
	4'	320		ND	ND	ND	ND	ND	119		
SP 3	SURF	3680									
	2'	5600									
	4'	480		ND	ND	ND	ND	ND	447		
SP 4	SURF	6320									
	2'	4000									
	4'	560		ND	ND	ND	ND	ND	79.5		
SP 5	SURF	320									
	2'	160									
	4'	160		ND	ND	ND	ND	ND	108		
SP 6	SURF	560									
	2'	400									
	4'	320		ND	ND	ND	ND	ND	266		
SP 7	SURF	400									
	2'	320									
	4'	160		ND	ND	ND	ND	ND	20.9		
SP 8	SURF	3280									
	2'	560									
	4'	320		ND	ND	ND	ND	ND	101		

SW 1	SURF	400									
	1'	320									
	2'	160		ND	ND	ND	ND	ND	ND		
SW 2	SURF	400									
	1'	400									
	2'	320		ND	ND	ND	ND	ND	ND		
SW 3	SURF	560									
	1'	400									
	2'	320		ND	ND	ND	ND	ND	236		
SW 4	SURF	160									
	1'	160									
	2'	80		ND	ND	ND	ND	ND	742		
SW 5	SURF	320									
	1'	320									
	2'	160		ND	ND	ND	ND	ND	128		
SW 6	SURF	320									
	1'	320									
	2'	80		ND	ND	ND	ND	ND	52.7		
C1 SP1		2880		ND	269	284	ND	553	3300		
C1 SP2		2400		ND	277	271	ND	548	3680		
C1 SP3		3600		ND	183	111	ND	294	3690		
C1 SP4		2080		ND	277	163	ND	440	3710		
C1 SP5		2560		ND	399	372	ND	771	3490		

C1	COMP	2520		ND	276	255	ND	531	3280		
C2 SP1		2560		ND	401	331	ND	732	3490		
C2 SP2		2080		ND	367	292	ND	659	3210		
C2 SP3		2320		ND	226	155	ND	381	3160		
C2 SP4		2920		ND	215	201	ND	416	3750		
CS SP5		2880		ND	202	195	ND	397	4280		
C2	COMP	2160		ND	175	183	ND	358	3840		
C3 SP1		3280		ND	245	236	ND	481	3870		
C3 SP2		2480		ND	151	76.7	ND	227.7	3660		
C3 SP3		3200		ND	264	130	ND	394	3930		
C3 SP4		2400		ND	304	280	ND	584	3670		
C3 SP5		2560		ND	461	240	ND	701	3450		
C3	COMP	3200		ND	266	132	ND	398	3240		
C SW1		2960		ND	228	128	ND	356	3800		
C SW2		2960		ND	1620	380	ND	2000	3690		
C SW3		2480		ND	236	143	ND	379	3640		
C SW4		2480		ND	385	164	ND	549	3250		

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 3/28/2020
Job Number: 19054-0003
Work Order: P003129
Project Name/Location: Biscuit Hills SWD

Report Reviewed By: _____ Date: 3/30/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1-4'	P003129-01A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP2-4'	P003129-02A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP3-4'	P003129-03A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP4-4'	P003129-04A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP5-4'	P003129-05A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP6-4'	P003129-06A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP7-4'	P003129-07A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP8-4'	P003129-08A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP1-4'
P003129-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*77.3 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**289**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP2-4'
P003129-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*64.1 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**119**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP3-4'
P003129-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*62.5 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**447**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP4-4'
P003129-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*66.0 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**79.5**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP5-4'
P003129-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*80.8 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**108**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP6-4'
P003129-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*63.1 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**266**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP7-4'
P003129-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*68.8 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**20.9**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP8-4'
P003129-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*74.8 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**101**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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
Batch 2013027 - Purge and Trap EPA 5030A										
Blank (2013027-BLK1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*8.49*		*"*	*8.00*		*106*	*50-150*			
LCS (2013027-BS1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Benzene	5.04	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.06	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.06	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.08	0.0250	"	5.00		102	70-130			
Total Xylenes	15.2	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.53*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike (2013027-MS1)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Benzene	4.88	0.0250	mg/kg	5.00	ND	97.6	54.3-133			
Toluene	4.91	0.0250	"	5.00	ND	98.2	61.4-130			
Ethylbenzene	4.90	0.0250	"	5.00	ND	98.0	61.4-133			
p,m-Xylene	9.79	0.0500	"	10.0	ND	97.9	63.3-131			
o-Xylene	4.92	0.0250	"	5.00	ND	98.4	63.3-131			
Total Xylenes	14.7	0.0250	"	15.0	ND	98.1	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.43*		*"*	*8.00*		*105*	*50-150*			
Matrix Spike Dup (2013027-MSD1)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Benzene	4.98	0.0250	mg/kg	5.00	ND	99.6	54.3-133	2.00	20	
Toluene	4.99	0.0250	"	5.00	ND	99.8	61.4-130	1.60	20	
Ethylbenzene	4.99	0.0250	"	5.00	ND	99.7	61.4-133	1.69	20	
p,m-Xylene	9.96	0.0500	"	10.0	ND	99.6	63.3-131	1.71	20	
o-Xylene	5.01	0.0250	"	5.00	ND	100	63.3-131	1.76	20	
Total Xylenes	15.0	0.0250	"	15.0	ND	99.8	0-200	1.73	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.54*		*"*	*8.00*		*107*	*50-150*			

envirotech
Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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
Batch 2013025 - DRO Extraction EPA 3570										
Blank (2013025-BLK1)				Prepared & Analyzed: 03/28/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*51.8*		*"*	*50.0*		*104*	*50-200*			
LCS (2013025-BS1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Diesel Range Organics (C10-C28)	450	25.0	mg/kg	500		90.1	38-132			
Surrogate: n-Nonane	*48.7*		*"*	*50.0*		*97.3*	*50-200*			
Matrix Spike (2013025-MS1)		**Source: P003130-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Diesel Range Organics (C10-C28)	598	25.0	mg/kg	500	155	88.7	38-132			
Surrogate: n-Nonane	*47.3*		*"*	*50.0*		*94.5*	*50-200*			
Matrix Spike Dup (2013025-MSD1)		**Source: P003130-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Diesel Range Organics (C10-C28)	592	25.0	mg/kg	500	155	87.5	38-132	0.933	20	
Surrogate: n-Nonane	*38.8*		*"*	*50.0*		*77.6*	*50-200*			

envirotech Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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
Batch 2013027 - Purge and Trap EPA 5030A										
Blank (2013027-BLK1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*"*	*8.00*		*90.9*	*50-150*			
LCS (2013027-BS2)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Gasoline Range Organics (C6-C10)	45.2	20.0	mg/kg	50.0		90.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*"*	*8.00*		*93.3*	*50-150*			
Matrix Spike (2013027-MS2)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Gasoline Range Organics (C6-C10)	45.2	20.0	mg/kg	50.0	ND	90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*"*	*8.00*		*92.7*	*50-150*			
Matrix Spike Dup (2013027-MSD2)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/29/20 0						
Gasoline Range Organics (C6-C10)	45.0	20.0	mg/kg	50.0	ND	90.0	70-130	0.323	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*"*	*8.00*		*92.6*	*50-150*			

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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
Batch 2013026 - Anion Extraction EPA 300.0/9056A										
Blank (2013026-BLK1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	ND	20.0	mg/kg							
LCS (2013026-BS1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (2013026-MS1)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	580	20.0	mg/kg	250	289	116	80-120			
Matrix Spike Dup (2013026-MSD1)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	561	20.0	mg/kg	250	289	109	80-120	3.25	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 my differ slightly.

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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.

Project Information

Chain of Custody

Page 1 of 1

Client:	SPUR
Project:	Biscuit Hills SWD
Project Manager:	
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	Natalie Gladden
Address:	
City, State, Zip	
Phone:	
Email:	ngladden@hungryhorse.com

Hungry Horse

Lab Use Only

Lab WO#	Job Number
P003129	19054-0003

TAT: 1D X | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ | TX | OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
3/26/20		S		SP 1 - 4'	1									X				
3/26/20				SP 2 - 4'	2													
3/26/20				SP 3 - 4'	3													
3/26/20				SP4 - 4'	4													
3/26/20				SP 5 - 4'	5													
3/27/20				SP 6 - 4'	6													
3/27/20				SP 7 - 4'	7													
3/27/20				SP 8 - 4'	8													

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
Natalie Rivera	3/27/20	13:41		3.27.2020	1341
	3.27.2020	1555	Raul Lopez	3/28/20	16:33

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.

envirotech Analytical Laboratory
5795 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
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envirotech-inc.com
labadmin@envirotech-inc.com

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 3/31/2020
Job Number: 19054-0003
Work Order: P003133
Project Name/Location: Biscuit Hills SWD#1

Report Reviewed By: Date: 4/1/20

Walter Hinchman, Laboratory Director

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-2'	P003133-01A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW2-2'	P003133-02A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW3-2'	P003133-03A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW4-2'	P003133-04A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW5-2'	P003133-05A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW6-2'	P003133-06A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW1-2'
P003133-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*85.4 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW2-2'
P003133-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*89.4 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW3-2'
P003133-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*84.6 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**236**	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW4-2'
P003133-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*89.6 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**742**	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW5-2'
P003133-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*87.9 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**128**	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW6-2'
P003133-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*89.1 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**52.7**	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

envirotech Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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
Batch 2014006 - Purge and Trap EPA 5030A										
Blank (2014006-BLK1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*8.31*		*"*	*8.00*		*104*	*50-150*			
LCS (2014006-BS1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Benzene	5.06	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.09	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.10	0.0250	"	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.11	0.0250	"	5.00		102	70-130			
Total Xylenes	15.3	0.0250	"	15.0		102	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.53*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike (2014006-MS1)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Benzene	4.80	0.0250	mg/kg	5.00	ND	96.0	54.3-133			
Toluene	4.82	0.0250	"	5.00	ND	96.3	61.4-130			
Ethylbenzene	4.81	0.0250	"	5.00	ND	96.1	61.4-133			
p,m-Xylene	9.60	0.0500	"	10.0	ND	96.0	63.3-131			
o-Xylene	4.83	0.0250	"	5.00	ND	96.6	63.3-131			
Total Xylenes	14.4	0.0250	"	15.0	ND	96.2	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.38*		*"*	*8.00*		*105*	*50-150*			
Matrix Spike Dup (2014006-MSD1)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Benzene	4.97	0.0250	mg/kg	5.00	ND	99.4	54.3-133	3.49	20	
Toluene	4.97	0.0250	"	5.00	ND	99.4	61.4-130	3.17	20	
Ethylbenzene	4.96	0.0250	"	5.00	ND	99.2	61.4-133	3.17	20	
p,m-Xylene	9.90	0.0500	"	10.0	ND	99.0	63.3-131	3.10	20	
o-Xylene	4.98	0.0250	"	5.00	ND	99.6	63.3-131	3.06	20	
Total Xylenes	14.9	0.0250	"	15.0	ND	99.2	0-200	3.09	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.42*		*"*	*8.00*		*105*	*50-150*			

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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
Batch 2014004 - DRO Extraction EPA 3570										
Blank (2014004-BLK1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*51.0*		*"*	*50.0*		*102*	*50-200*			
LCS (2014004-BS1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Diesel Range Organics (C10-C28)	443	25.0	mg/kg	500		88.6	38-132			
Surrogate: n-Nonane	*46.9*		*"*	*50.0*		*93.9*	*50-200*			
Matrix Spike (2014004-MS1)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Diesel Range Organics (C10-C28)	468	25.0	mg/kg	500	ND	93.6	38-132			
Surrogate: n-Nonane	*47.3*		*"*	*50.0*		*94.7*	*50-200*			
Matrix Spike Dup (2014004-MSD1)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Diesel Range Organics (C10-C28)	490	25.0	mg/kg	500	ND	98.0	38-132	4.55	20	
Surrogate: n-Nonane	*48.7*		*"*	*50.0*		*97.3*	*50-200*			

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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
Batch 2014006 - Purge and Trap EPA 5030A										
Blank (2014006-BLK1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		"	*8.00*		*91.9*	*50-150*			
LCS (2014006-BS2)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Gasoline Range Organics (C6-C10)	44.7	20.0	mg/kg	50.0		89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		"	*8.00*		*92.2*	*50-150*			
Matrix Spike (2014006-MS2)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Gasoline Range Organics (C6-C10)	45.3	20.0	mg/kg	50.0	ND	90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		"	*8.00*		*91.9*	*50-150*			
Matrix Spike Dup (2014006-MSD2)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Gasoline Range Organics (C6-C10)	44.7	20.0	mg/kg	50.0	ND	89.5	70-130	1.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		"	*8.00*		*92.3*	*50-150*			

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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
Batch 2014002 - Anion Extraction EPA 300.0/9056A										
Blank (2014002-BLK1)				Prepared & Analyzed: 03/31/20 0						
Chloride	ND	20.0	mg/kg							
LCS (2014002-BS1)				Prepared & Analyzed: 03/31/20 0						
Chloride	240	20.0	mg/kg	250		95.9	90-110			
Matrix Spike (2014002-MS1)		**Source: P003132-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Chloride	247	20.0	mg/kg	250	ND	98.8	80-120			
Matrix Spike Dup (2014002-MSD1)		**Source: P003132-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Chloride	248	20.0	mg/kg	250	ND	99.1	80-120	0.295	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 my differ slightly.

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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.

Project Information | Chain of Custody | Page 1 of 1

Client:	Spur
Project:	Biscuit Hills SWD #1
Project Manager:	E. Franco
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	Hungry - Horse
Address:	
City, State, Zip	
Phone:	
Email:	ngladden@hungryhorse.com

Lab Use Only

Lab WO#	Job Number
P003133	19054-0003

TAT: 1D / 3D — 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ | TX | OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
13:00	3/27	S	1	SW1-2'	1													
				SW2-2'	2													
				SW3-2'	3													
				SW4-2'	4													
				SW5-2'	5													
				SW6-2'	6													

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
Natalie Gladden	3/30/20	1405		3.30.2020	1405
	3.30.2020	1640	Raiz Lopez	3/31/20	9:30

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.

envirotech Analytical Laboratory
5795 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

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 4/1/2020
Job Number: 19054-0003
Work Order: P004001
Project Name/Location: Biscuit Hills SWD#1

Report Reviewed By: Date: 4/2/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, 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.

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C1SP1	P004001-01A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1SP2	P004001-02A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1SP3	P004001-03A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1SP4	P004001-04A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1SP5	P004001-05A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1 Composite	P004001-06A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP1	P004001-07A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP2	P004001-08A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP3	P004001-09A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP4	P004001-10A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP5	P004001-11A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2 Composite	P004001-12A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP1	P004001-13A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP2	P004001-14A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP3	P004001-15A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP4	P004001-16A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP5	P004001-17A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3 Composite	P004001-18A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
CSW1	P004001-19A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
CSW2	P004001-20A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
CSW3	P004001-21A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
CSW4	P004001-22A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP1

P004001-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**269**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**284**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*92.5 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3300**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP2

P004001-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**277**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**271**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*89.8 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3680**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP3

P004001-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**183**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**111**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*87.5 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3690**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP4

P004001-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*50-150*		*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**277**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**163**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*89.0 %*	*50-200*		*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*50-150*		*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3710**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP5

P004001-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**399**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**372**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*103 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3490**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1 Composite
P004001-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**276**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**255**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*88.2 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3280**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP1

P004001-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**401**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**331**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*82.7 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3490**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP2

P004001-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**367**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**292**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*93.0 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3210**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP3

P004001-09 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**226**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**155**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*87.7 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3160**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP4

P004001-10 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**215**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**201**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*90.6 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3740**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP5

P004001-11 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*50-150*		*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**202**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**195**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*91.6 %*	*50-200*		*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*50-150*		*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**4280**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2 Composite

P004001-12 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**175**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**183**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*93.2 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.9 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3840**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP1

P004001-13 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**245**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**236**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*90.3 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3870**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP2

P004001-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**151**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**76.7**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*90.7 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3660**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP3

P004001-15 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**264**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**130**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*89.4 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.8 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3930**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP4

P004001-16 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**304**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**280**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*107 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3670**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP5

P004001-17 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*106 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*94.9 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**461**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**240**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*74.5 %*	*50-200*		*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*106 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*94.9 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3450**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3 Composite
P004001-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*105 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**266**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**132**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*76.6 %*	*50-200*		*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*105 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3240**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

CSW1

P004001-19 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*107 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*99.3 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**228**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**128**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*82.6 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*107 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*99.3 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3800**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

CSW2

P004001-20 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*107 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**1620**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**380**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*77.9 %*	*50-200*		*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*107 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3690**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

CSW3
P004001-21 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*104 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**236**	25.0	mg/kg	1	2014017	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**143**	50.0	mg/kg	1	2014017	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*86.2 %*	*50-200*		*2014017*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*104 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3640**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

CSW4

P004001-22 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*107 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**385**	25.0	mg/kg	1	2014017	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**164**	50.0	mg/kg	1	2014017	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*82.7 %*	*50-200*		*2014017*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*107 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3250**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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
Batch 2014010 - Purge and Trap EPA 5030A										
Blank (2014010-BLK1)				Prepared: 03/31/20 1 Analyzed: 04/01/20 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	*0.496*		"	*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.537*		"	*0.500*		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*0.492*		"	*0.500*		*98.3*	*70-130*			
LCS (2014010-BS1)				Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Benzene	2.22	0.0250	mg/kg	2.50		88.8	70-130			
Toluene	2.50	0.0250	"	2.50		99.9	70-130			
Ethylbenzene	2.50	0.0250	"	2.50		100	70-130			
p,m-Xylene	4.96	0.0500	"	5.00		99.1	70-130			
o-Xylene	2.48	0.0250	"	2.50		99.2	70-130			
Total Xylenes	7.44	0.0250	"	7.50		99.2	0-200			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		"	*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.525*		"	*0.500*		*105*	*70-130*			
Surrogate: Bromofluorobenzene	*0.483*		"	*0.500*		*96.6*	*70-130*			
Matrix Spike (2014010-MS1)		**Source: P003138-01**		Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Benzene	2.28	0.0250	mg/kg	2.50	ND	91.2	48-131			
Toluene	2.52	0.0250	"	2.50	ND	101	48-130			
Ethylbenzene	2.53	0.0250	"	2.50	ND	101	45-135			
p,m-Xylene	5.01	0.0500	"	5.00	ND	100	43-135			
o-Xylene	2.50	0.0250	"	2.50	ND	100	43-135			
Total Xylenes	7.51	0.0250	"	7.50	ND	100	0-200			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		"	*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.533*		"	*0.500*		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*0.485*		"	*0.500*		*97.0*	*70-130*			
Matrix Spike Dup (2014010-MSD1)		**Source: P003138-01**		Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Benzene	2.24	0.0250	mg/kg	2.50	ND	89.6	48-131	1.81	23	
Toluene	2.42	0.0250	"	2.50	ND	96.8	48-130	4.23	24	
Ethylbenzene	2.41	0.0250	"	2.50	ND	96.5	45-135	4.59	27	
p,m-Xylene	4.84	0.0500	"	5.00	ND	96.7	43-135	3.63	27	
o-Xylene	2.41	0.0250	"	2.50	ND	96.2	43-135	3.87	27	
Total Xylenes	7.24	0.0250	"	7.50	ND	96.5	0-200	3.71	200	
Surrogate: 1,2-Dichloroethane-d4	*0.505*		"	*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.519*		"	*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.476*		"	*0.500*		*95.1*	*70-130*			

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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
Batch 2014015 - Purge and Trap EPA 5030A										
Blank (2014015-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*8.43*		*"*	*8.00*		*105*	*50-150*			
LCS (2014015-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Benzene	5.02	0.0250	mg/kg	5.00		100	70-130			
Toluene	5.06	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.08	0.0250	"	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.08	0.0250	"	5.00		102	70-130			
Total Xylenes	15.2	0.0250	"	15.0		102	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.42*		*"*	*8.00*		*105*	*50-150*			
Matrix Spike (2014015-MS1)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Benzene	4.96	0.0250	mg/kg	5.00	ND	99.2	54.3-133			
Toluene	4.99	0.0250	"	5.00	ND	99.9	61.4-130			
Ethylbenzene	5.00	0.0250	"	5.00	ND	99.9	61.4-133			
p,m-Xylene	9.99	0.0500	"	10.0	ND	99.9	63.3-131			
o-Xylene	5.00	0.0250	"	5.00	ND	100	63.3-131			
Total Xylenes	15.0	0.0250	"	15.0	ND	99.9	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.58*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike Dup (2014015-MSD1)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Benzene	5.04	0.0250	mg/kg	5.00	ND	101	54.3-133	1.66	20	
Toluene	5.05	0.0250	"	5.00	ND	101	61.4-130	1.14	20	
Ethylbenzene	5.06	0.0250	"	5.00	ND	101	61.4-133	1.16	20	
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131	1.04	20	
o-Xylene	5.05	0.0250	"	5.00	ND	101	63.3-131	0.999	20	
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200	1.03	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*"*	*8.00*		*105*	*50-150*			

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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
Batch 2014016 - DRO Extraction EPA 3570										
Blank (2014016-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*48.1*		*"*	*50.0*		*96.1*	*50-200*			
LCS (2014016-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	437	25.0	mg/kg	500		87.5	38-132			
Surrogate: n-Nonane	*48.1*		*"*	*50.0*		*96.3*	*50-200*			
Matrix Spike (2014016-MS1)	**Source: P004001-01**			Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	837	25.0	mg/kg	500	269	114	38-132			
Surrogate: n-Nonane	*49.5*		*"*	*50.0*		*98.9*	*50-200*			
Matrix Spike Dup (2014016-MSD1)	**Source: P004001-01**			Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	691	25.0	mg/kg	500	269	84.5	38-132	19.0	20	
Surrogate: n-Nonane	*48.3*		*"*	*50.0*		*96.6*	*50-200*			

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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
Batch 2014017 - DRO Extraction EPA 3570										
Blank (2014017-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*47.3*		*"*	*50.0*		*94.7*	*50-200*			
LCS (2014017-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	452	25.0	mg/kg	500		90.4	38-132			
Surrogate: n-Nonane	*48.3*		*"*	*50.0*		*96.5*	*50-200*			
Matrix Spike (2014017-MS1)	**Source: P003138-01**			Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	447	25.0	mg/kg	500	ND	89.5	38-132			
Surrogate: n-Nonane	*49.0*		*"*	*50.0*		*98.1*	*50-200*			
Matrix Spike Dup (2014017-MSD1)	**Source: P003138-01**			Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	442	25.0	mg/kg	500	ND	88.4	38-132	1.23	20	
Surrogate: n-Nonane	*49.3*		*"*	*50.0*		*98.6*	*50-200*			

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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
Batch 2014010 - Purge and Trap EPA 5030A										
Blank (2014010-BLK1)				Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.496*		"	*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.537*		"	*0.500*		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*0.492*		"	*0.500*		*98.3*	*70-130*			
LCS (2014010-BS2)				Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	50.3	20.0	mg/kg	50.0		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		"	*0.500*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.543*		"	*0.500*		*109*	*70-130*			
Surrogate: Bromofluorobenzene	*0.484*		"	*0.500*		*96.8*	*70-130*			
Matrix Spike (2014010-MS2)	**Source: P003138-01**			Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	51.9	20.0	mg/kg	50.0	ND	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.515*		"	*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.534*		"	*0.500*		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*0.487*		"	*0.500*		*97.3*	*70-130*			
Matrix Spike Dup (2014010-MSD2)	**Source: P003138-01**			Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	51.9	20.0	mg/kg	50.0	ND	104	70-130	0.0183	20	
Surrogate: 1,2-Dichloroethane-d4	*0.516*		"	*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.532*		"	*0.500*		*106*	*70-130*			
Surrogate: Bromofluorobenzene	*0.483*		"	*0.500*		*96.6*	*70-130*			

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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
Batch 2014015 - Purge and Trap EPA 5030A										
Blank (2014015-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*"*	*8.00*		*90.9*	*50-150*			
LCS (2014015-BS2)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	43.1	20.0	mg/kg	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*"*	*8.00*		*91.9*	*50-150*			
Matrix Spike (2014015-MS2)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	44.2	20.0	mg/kg	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*"*	*8.00*		*90.7*	*50-150*			
Matrix Spike Dup (2014015-MSD2)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	44.5	20.0	mg/kg	50.0	ND	89.0	70-130	0.773	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*"*	*8.00*		*92.2*	*50-150*			

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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
Batch 2014012 - Anion Extraction EPA 300.0/9056A										
Blank (2014012-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	ND	20.0	mg/kg							
LCS (2014012-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	253	20.0	mg/kg	250		101	90-110			
Matrix Spike (2014012-MS1)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	3620	40.0	mg/kg	250	3300	127	80-120			M2
Matrix Spike Dup (2014012-MSD1)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	3860	40.0	mg/kg	250	3300	227	80-120	6.67	20	M2

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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
Batch 2014013 - Anion Extraction EPA 300.0/9056A										
Blank (2014013-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	ND	20.0	mg/kg							
LCS (2014013-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	248	20.0	mg/kg	250		99.4	90-110			
Matrix Spike (2014013-MS1)		**Source: P004001-12**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	4000	40.0	mg/kg	250	3840	64.2	80-120			M2
Matrix Spike Dup (2014013-MSD1)		**Source: P004001-12**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	4110	40.0	mg/kg	250	3840	105	80-120	2.54	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 my differ slightly.

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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.

Project Information

Chain of Custody

3.31.20

Client:	Spur Energy
Project:	Biscuit Hills SWD #1
Project Manager:	Kenny Kidd
Address:	919 Milam St suite 2475
City, State, Zip	Houston TX 77002
Phone:	
Email:	

Report Attention	
Report due by:	Hungry Horse LLC.
Attention:	Natalie Gladden
Address:	4024 Plains Hwy
City, State, Zip	Lovington NM, 88260
Phone:	575-390-6397
Email:	Ngladden@hungry-horse.com

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P004001	19054-0003	✓				

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
7:28	3/31	S	1	C1SP1	1	✓	✓	✓	✓	✓	✓	
7:31			1	C1SP2	2							
7:33			1	C1SP3	3							
7:34			1	C1SP4	4							
7:37			1	C1SP5	5							
7:41			1	C1 Composite	6							
7:45			1	C2SP1	7							
7:49			1	C2SP2	8							
7:51			1	C2SP3	9							
7:54			1	C2SP4	10							

Analysis and Method

State: NM ✓ | CO | UT | AZ

Additional Instructions: * Run for BGDOC per Natalie

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: Javier Chavez

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
	3-31-20	15:29		3.31.2020	1529
	3.31.2020	1650	Raina Lopez	4/1/20	9:30

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.

envirotech Analytical Laboratory
5795 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-4881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

cancelled per Natalie jt 3.31.2020

Client:	SPUR Energy
Project:	Biscuit Hills SWD #1
Project Manager:	
Address:	
City, State, Zip	
Phone:	
Email:	Natalie

Report Attention

Report due by:	
Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	Natalie

Lab Use Only

Lab WO# P004001 Job Number 19054-0003

TAT: 1D ✓ 3D

EPA Program: RCRA | CWA | SDWA

State: NM ✓ | CO | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
7:55	3/31	S	1	C2SP5	11	✓	✓	✓	✓	✓	✓	
7:59			1	C2 Composite	12							
8:09			1	C3SP1	13							
8:11			1	C3SP2	14							
8:14			1	C3SP3	15							
8:16			1	C3SP4	16							
8:22			1	C3SP5	17							
8:27			1	C3 Composite	18							
8:30			1	CSW1	19							
8:34			1	CSW2	20							

Additional Instructions: *BGDOC

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: Javier Chavez

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
	3-31-20	16:34		3.31.2020	1534
	3.31.2020	1650	Raia Lopez	4/1/20	9:30

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.

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envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

Client:	SPUR Energy
Project:	
Project Manager:	
Address:	
City, State, Zip	
Phone:	
Email:	NATALIE

Report Attention

Report due by:	
Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	Natalie

Lab Use Only

Lab WO# P004001

Job Number 19054-0003

TAT: 1D ✓ 3D

EPA Program: RCRA | CWA | SDWA

State: NM ✓ | CO | UT | AZ

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
8:38	3/31	S	1	CSW3	21	✓	✓	✓	✓	✓	✓	
8:41	3/31	1	1	CSW4	22	✓	✓	✓	✓	✓	✓	

cancelled per Natalie 3.31.20

Additional Instructions:
*BGDOC

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: Javier Chavez

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
Javier Chavez	3-31-20	15:36		3-31-2020	1534
	3.31.2020	1650	Rain Lopez	4/1/20	9:30

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.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-4881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

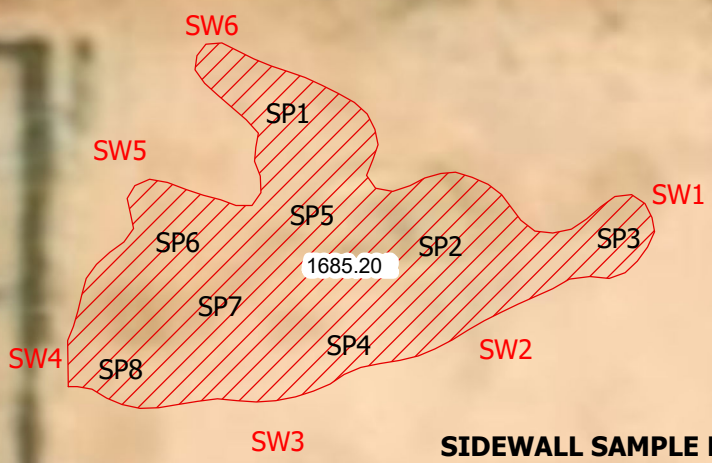
Spur Energy Partners
Biscuit Hills SWD #1

Legend

SpillArea

SAMPLE POINT GPS:

SP1: 32.800821 -103.889649
SP2: 32.800739 -103.889561
SP3: 32.800744 -103.889446
SP4: 32.800669 -103.889608
SP5: 32.800795 -103.889705
SP6: 32.800734 -103.889771
SP7: 32.800686 -103.889702
SP8: 32.800664 -103.889798



SIDEWALL SAMPLE POINT GPS:

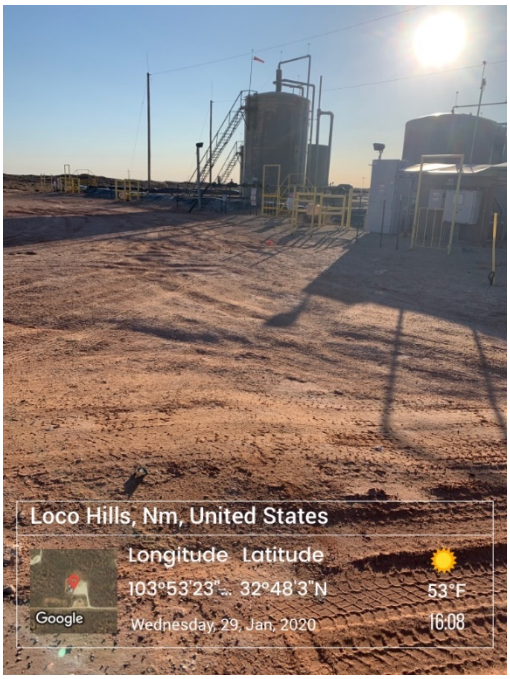
SW1: 32.800768 -103.889419
SW2: 32.800648 -103.889526
SW3: 32.800611 -103.889698
SW4: 32.800642 -103.889848
SW5: 32.800776 -103.889793
SW6: 32.800868 -103.889725

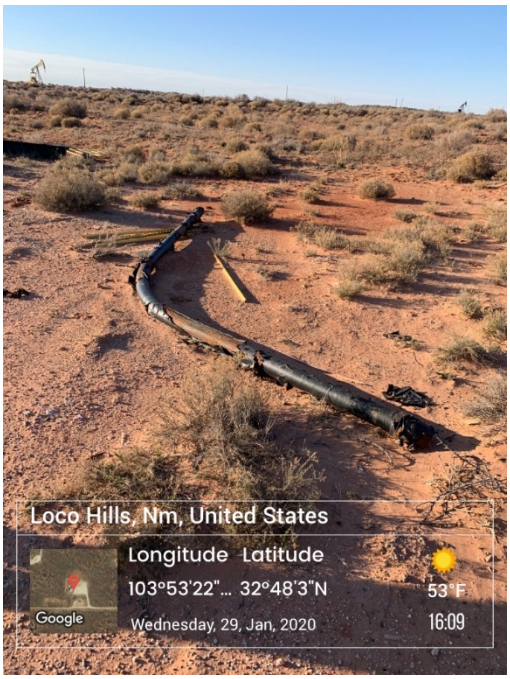
0 5 10 20 30 40 Yards

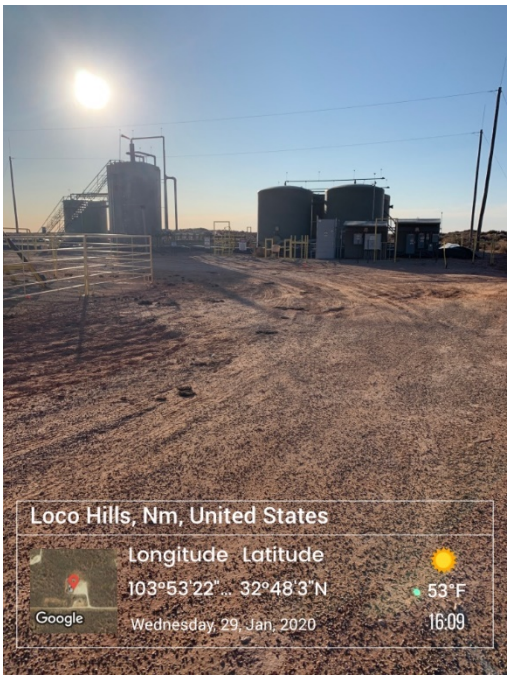
Hungry-Horse, LLC
Oil & Gas Services

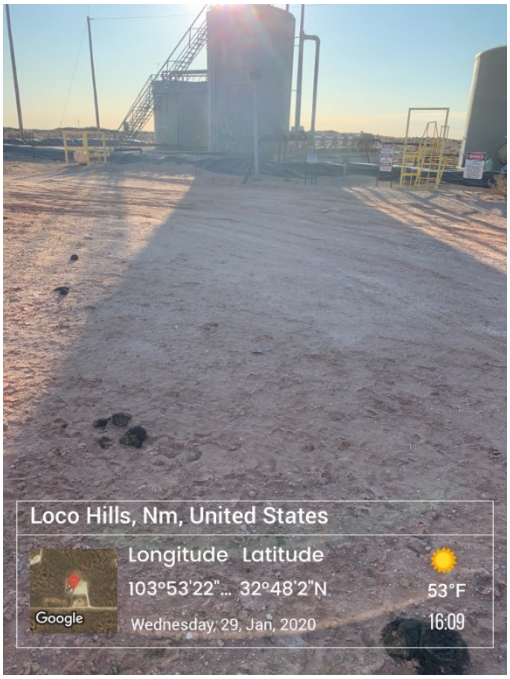
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

BISCUIT HILLS SWD #1
BEGINNING PHOTOS




Loco Hills, Nm, United States
Longitude Latitude
103°53'22"... 32°48'3"N
Wednesday, 29, Jan, 2020
53°F
16:09
Google


Loco Hills, Nm, United States
Longitude Latitude
103°53'22"... 32°48'3"N
Wednesday, 29, Jan, 2020
53°F
16:09
Google


Loco Hills, Nm, United States
Longitude Latitude
103°53'22"... 32°48'2"N
Wednesday, 29, Jan, 2020
53°F
16:09
Google


Loco Hills, Nm, United States
Longitude Latitude
103°53'22"... 32°48'2"N
Wednesday, 29, Jan, 2020
53°F
16:10
Google

BISCUIT HILLS SWD #1
DURING AND FINAL PHOTOS – RELEASE DATE 09/17/2019


Loco Hills, Nm, United States
Longitude Latitude
103°53'23" 32°48'1"N
Tuesday, 31, Mar, 2020
71°F
13:49


Loco Hills, Nm, United States
Longitude Latitude
103°53'23" 32°48'2"N
Tuesday, 31, Mar, 2020
71°F
14:29


Loco Hills, Nm, United States
Longitude Latitude
103°53'21"W 32°48'2"N
Tuesday, 31, Mar, 2020
71°F
14:28


Loco Hills, Nm, United States
Longitude Latitude
103°53'21"W 32°48'2"N
Tuesday, 31, Mar, 2020
71°F
14:28

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

- ☒ 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
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

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

Signature: Natalie Gladden Date: 6-18-20

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

OCD Only

Received by: Date:

Form C-141
Page 5

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 & Regulatory

Signature: Natalie Gladden Date: 6/18/20

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

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

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

Signature: Natalie Gladden Date: 6-18-20

email: 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: _____